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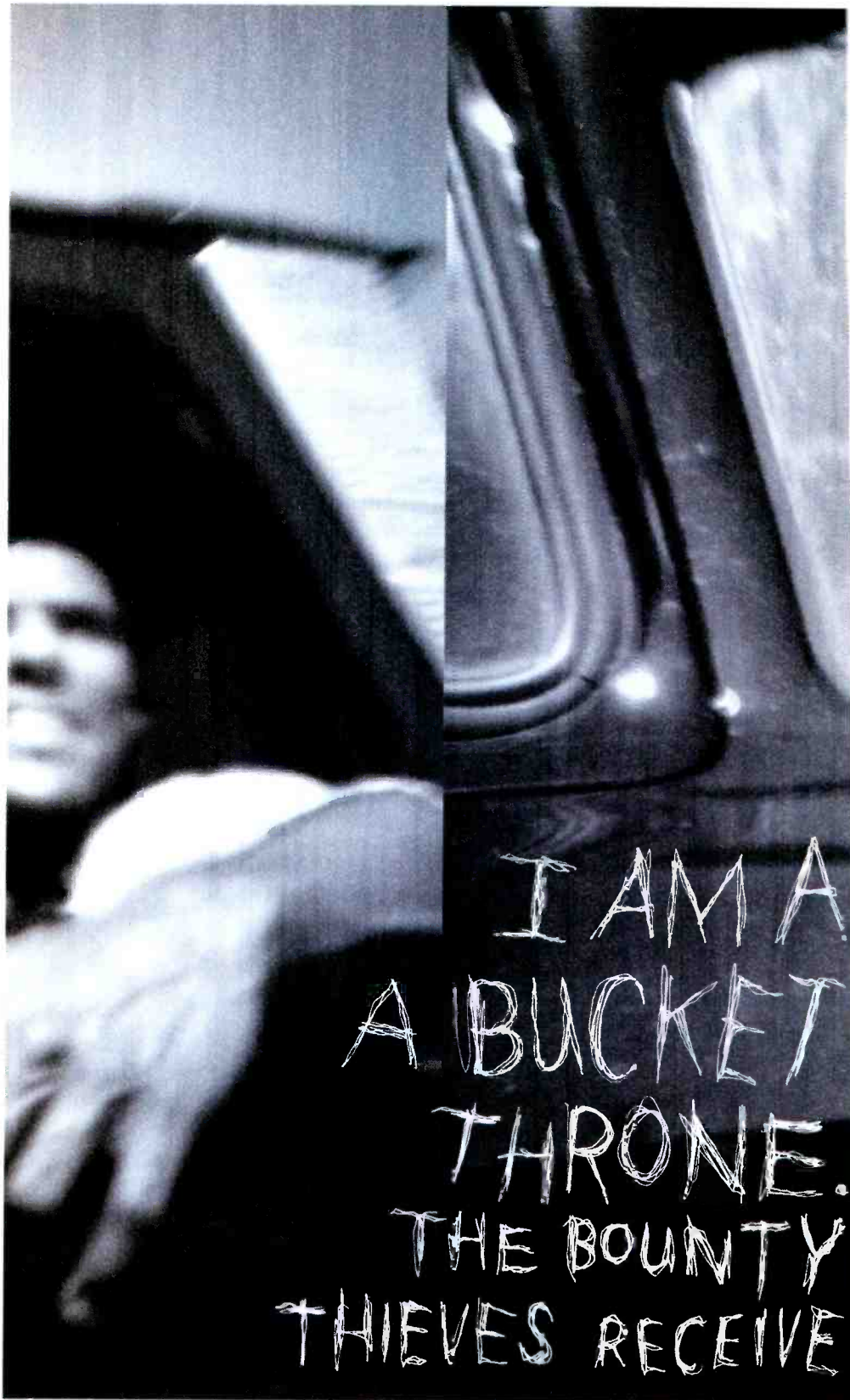
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# AUDIO

THE EQUIPMENT AUTHORITY



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 The Cover Equipment: Pioneer PDR-04 CD-R deck,  
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Subscription Inquiries:  
 Phone, 303/604-1464; fax, 303/604-7455



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Just before I sat down to write this column, I was talking with our managing editor, Kay Blumenthal, about how the number of products in the Annual Equipment Directory seems to grow every year, no matter what. Feast or famine in the outside world, the Directory gets bigger. Why, and what does it mean?

I don't have a very good answer to the first question. The total number of manufacturers doesn't change much year to year. It would make sense for the number of products on the market to rise when sales are booming, but business isn't *always* good. That a product is listed in the Directory doesn't necessarily mean anybody is buying it, of course, but still. . .

Well, then, what does it mean? Can't honestly say that I've got a bead on that one, either. Here's an interesting sidelight, though: Sales of audio components have been declining over the last few years. The trend is not monotonic, but it is plain to see when you scan the numbers. Sales of audio *systems*, on the other hand, have been up even more consistently than component sales have been down. By systems I mean things like shelf and rack systems, with everything made by the same company and often packaged in a single carton. Now, this is a trend that actually does make some sense. Buying and correctly installing a component audio or, especially, audio/video system is more complicated than it used to be—sometimes fearfully so. Buying a prepackaged system is easier, faster, and probably less anxiety-provoking. And some of them are actually pretty good.

That shouldn't be surprising, since, theoretically, a full-system design approach should yield better performance per dollar than mix and match. Trouble is, most of these systems are more complex than they need to be and sound, at best, rather mediocre. Quite a few of them sound simply dreadful. I think this means either that not enough people are being exposed to the difference in sound between such systems and a good component setup or that many of them are so put off by the perceived hassle of the component approach that they simply accept the tradeoff—or possibly both. Regardless, it's a situation that should disturb anyone who cares about the future of high-performance audio. There is a tendency in high-end audio to be dismissive of the mainstream (the needlessly condescending term "mid-fi" is a prime example), but if the middle of the pyramid crumbles, the top will hit the ground

with a thud. What happens to the receiver market matters to all of us, like it or not.

I guess if I had a sure-fire magic solution to the problem I could retire tomorrow. But I think it certainly would help if components became easier to install and use. This requires self-discipline on the part of manufacturers, since components are sold to some extent on the basis of feature comparisons: Brand X has an Overthruster and Brand Y doesn't, etc. (A few years ago I asked a car stereo manufacturer why the company couldn't make head units with performance the same as its existing models but a much simpler control layout, more like factory-installed front ends. He agreed that such products actually would be better, but said they couldn't be sold.) Another step in the right direction is to remotes that automatically configure themselves to the component or task at hand, such as those in Kenwood's Stage 3 products.

But perhaps the time is almost upon us for a more radical approach. More and more components are digital and operate under microprocessor control. It would be wonderful if the audio/video industry could sit down together and hammer out a new connection and communication scheme that would give hi-fi component systems something like the Intel/Microsoft Plug-and-Play protocol for PCs (except ours would work all the time). Connections from one component to another would be via a single cable with standard multipin plugs at each end (bye-bye to rats' nests of RCA interconnects, inadvertently reversed channels, and all that annoying stuff). The cable would have one line devoted to bidirectional communication between components. Each unit would tell any others it might be attached to what it was and what it could and couldn't do, and they would all configure themselves appropriately. Users with the knowledge and the desire would have the option of changing settings manually, but for 99% of the people 99% of the time, installing a system would consist of making a handful of obvious, foolproof connections and hitting the power switch.

A pipe dream? Probably. Wouldn't it be great, though?



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Lawrence B. Johnson

Stereophile Guide to Home Theater, Vol.1, No.1, 1995



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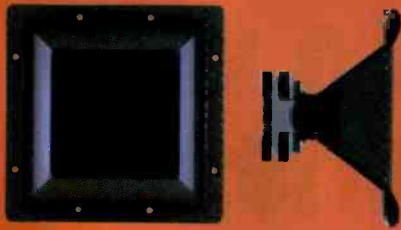
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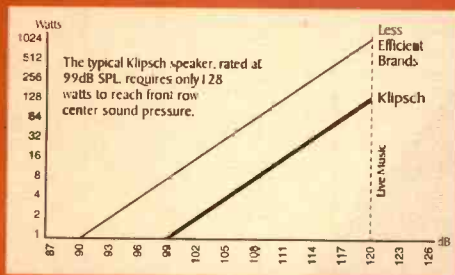
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## LETTERS

### Kessler Cornered

Dear Editor:

Ken Kessler soared to new heights of dweebery ("Mondo Audio," May) when he criticized my *Rolling Stone* article about high-end audio, published last November. Kessler writes that I am "a computer journalist ('nuff said)" and intimates that I am therefore unqualified to write about the industry that butters his bread.

Kessler must be commended for his original point of view. I have written about business, literature, media, technology, music, science, social issues, and current affairs for mainstream magazines in some 15 countries. Kessler identifies me only as a Contributing Editor at *Wired*, and, boy, do I plead guilty! (Forgive my giddiness: On the day I write this, we received our second National Magazine Award for General Excellence.) If my credentials make me unfit for membership in Ken Kessler's boys' club—well, *damm!* Just when I thought I *finally* had my foot in the door!

What does membership entail? Simple. You have to pay lip service to the idea of recruiting the uninitiated yet talk derisively about non-audiophiles as "the Great Unwashed" and "beer-swilling Al Bundys" (Kessler's epithets of choice). After you've uttered these exclusionist cries, you must feign astonishment over the absence of converts. The mindset goes something like this: Why on earth don't those tin-eared barbarians flock hither and join us when we alienate, badger, and insult them?

Far from being the incendiary *J'Accuse* that Kessler believes I wrote, my portrait of the high-end hobby was a benign and even sympathetic look at the passions that grip audiophiles. So great is Kessler's territorial angst, however, that he interprets the occasional good-natured poke from an "outsider" as an all-out assassination attempt.

Interestingly, *Audio* itself can be *far* more brutal in its treatment of high-end aficionados. Editor-at-Large Corey Greenberg, one of the few originals in the field, writes that audiophiles are "geeks," "creeps," and "losers" who are prone to "self-loathing."

I've yet to see Kessler take Greenberg to task; he prefers to heap scorn on the philistines of the general press, such as me. I don't really know why. Because it's politically safer? Because attacking Greenberg would violate the boys' club's rules—and perhaps jeopardize Kessler's paycheck?

My article in *Rolling Stone* introduced a few million audio neophytes to a potentially more rewarding way of listening to music. Drunk on his own snobbery, Kessler typifies these readers, and other non-audiophiles, as mere "civilians" and as "lost souls" who are so dumb that they are "still wrapping [their] minds around the concept of 8-track tapes." Given his profession, I'm sure that Kessler has good ears. It's what's between them that I'm starting to have suspicions about.

Rogier van Bakel  
Sharon, Conn.

### Testing, A/B, Testing

Dear Editor:

Tom Nousaine's "Flying Blind: The Case Against Long-Term Listening," (March) is excellent. It is one of the best articles I've seen on the subject of evaluating components using controlled, short-term direct comparison versus the uncontrolled, long-term listening approach.

I am also pleased that he included the research by David L. Clark and Larry Greenhill. They strengthen his case against uncontrolled, long-term listening sessions. Both articles will win more converts to resolving audio differences via valid testing. However, I am not sure what influence they will have on people who do no A/B testing and rely almost entirely on magazines, perceived value, and gurus to influence their purchases. The no-testing group is, by far, the larger crowd of listeners.

In order to hear the music Nousaine used for the tests, I obtained an identical copy of "Diamonds and Rust" from the CD *The Best of Joan Baez*, (A&M CD3234). My criticisms of his research follow.

Harmonic distortion, though easy to measure, is one of the hardest types of dis-



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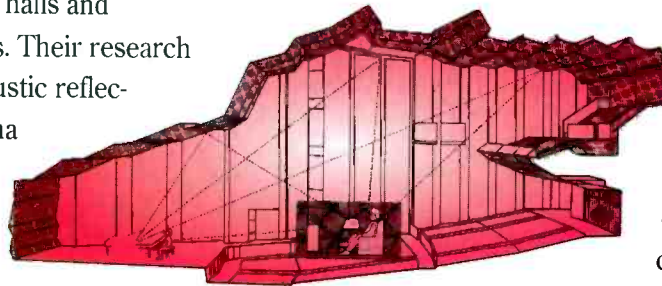
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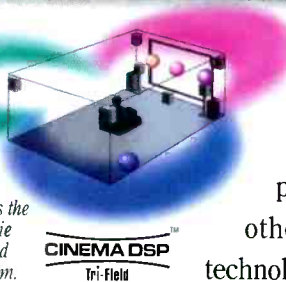


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tortion to hear. Thus, it is not the best experimental variable to employ in evaluating long- versus short-term listening tests. Frequency-response deviations or a combination of all distortions can be easier to hear. Also, the experimental approach Nousaine used in his Second Heat failed to take into account the benefit of information gained by stereo listening. Sometimes components can be distinguished by the amount of "air" and "depth" or ambience surrounding a central image or by channels that are out of balance.

During the First Heat, Nousaine did not give the subjects "clean" and "dirty" copies of the same recording to compare long-term. What memory were they using to compare? They were truly "flying blind." This experimental design does a good job of duplicating the sham testing model used by some component reviewers. In addition, the recording contains no natural or universal references for comparison. A voice, drum, and guitar hardly qualify as solid reference points.

Nousaine should have used and trained more than one subject for the second series of tests. We know that hearing acuity varies among people, and occasionally a person can score 100% on a particular listening test purely by chance.

As a proponent of objective testing, I feel that often too much credibility is accorded those who rely on uncontrolled listening tests and boldly allege their "golden ear" status. Their appeal is based entirely on their ability to write (and thereby convince others of their supernatural hearing acuity). They too often maintain that others should evaluate components by means of uncontrolled, long-term listening tests and select only the component that sounds the most "musical." To hell, they say, if that component measures poorly or costs more than rebuilding a 747. Let your heart be your component guide.

Recently I visited a true, subjectivist audiophile. He had tube equipment, mini-monitors, and an expensive turntable and tonearm. There was only one test record (an LP) in his entire collection (he seemed slightly aware of its content), and he had absolutely no other test equipment. He did not even own a Radio Shack sound-level meter. I would say that he is typical of most audiophiles, and he is a loyal member of the

Boston Audio Society. This audiophile felt his was the absolute best-sounding system that anyone could assemble if given the same amount of money to spend. His musical heart was fulfilled and happy. He also had a pile of subjectivist-type magazines on his table.

My FFT analysis of his tonearm/cartridge combination revealed a broad resonance between 6 and 11 Hz. The resonance was only 2.5 dB below the reference recording level of the test LP. When he played a piano recording I asked him to stop. I could not stand the IM generated by the poor arm/cartridge combination. But he had fulfilled the subjectivist dream; he was listening with his heart. It did not matter that his phono setup tested poorly, although he had assumed that it would test well when called upon.

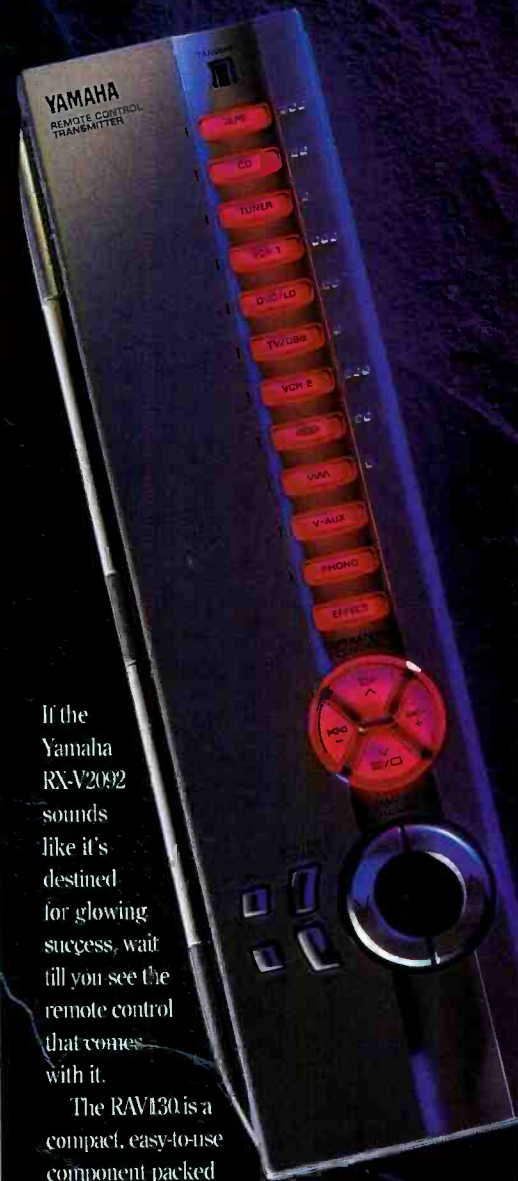
To sum up, I think a more accurate conclusion of Nousaine's two-channel listening tests would be: When a clean mono signal from one channel of a player is compared against a dirty signal from the other channel, audibility of harmonic distortion will be significantly enhanced in comparison testing or A/B tests if a switching duration of less than 25 seconds is employed between the two channels. People's ability to detect harmonic distortion in long-term listening is poor or below significance if a valid or direct comparison is not employed and the distortion is 4% or less.

*Alvin Foster*  
*Founder, Boston Audio Society*  
*Boston, Mass.*

*Author's Reply:* I thank Mr. Foster for his encouraging and thoughtful reply. Let me address some of his concerns.

He suggests that another type of error (IM distortion or frequency-response deviations) would have been a better signal choice. I chose the type used because it had been shown to be of a class and level well above the human audibility threshold. Furthermore, the distortion added to the recording used for the study remains constant regardless of signal level, a condition far worse than that found in ordinary recordings, where distortion is normally a function of recorded level. In judging the effectiveness of evaluative listening methods, the type of error (or distortion) imposed is not important so long as the error

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used is known and can be shown to be above the threshold of audibility. I was not evaluating whether the distortion was audible (I already knew it was) but whether it could be detected under open, long-term listening conditions.

He also suggests that stereo listening is a more sensitive mode for revealing defects. In fact, the long-term test did allow stereo listening. Using this logic, I would estimate the ability to hear the "air" around instruments did nothing to increase the sensitivity of listeners. In any case, one can evaluate air and other sonic attributes in monaural as well.

Although I did not supply extra copies of the original recording, the music used was chosen because it is well known and has been used as a reference recording for many years. Several subjects did own their own copies of the piece, and the only limitation stipulated was that a second CD player and a direct comparison not be used. I know that at least two subjects made comparisons by swapping CDs or by using a carousel changer.

I am also surprised that Foster doesn't consider drums, the female voice, and an acoustic guitar as natural references. If he meant that I should have used classical music, I certainly could have, but it has been my experience, and that of others, that popular studio-recorded music is more revealing of distortion than classical orchestral works.

As for using more subjects for the second heat, note that the same number of trials was used for all sessions. Whether you employ 16 subjects for one trial or one subject for 16 trials matters not; statistically, it's the same—as long as the controls are maintained throughout all the trials. Actually, I chose the subject for the last heat specifically because he was the worst-case listener and had scored poorly during the longest open test.

I have no trouble with Foster's characterization of the results of this particular experiment except that he should have added that the level and type of reference signal used had previously been shown to be at nearly twice the threshold of audibility and that the experiment confirms previous research. His anecdote also confirms exactly what this experiment investigated: that a commonly used evaluative tool—the long-

term, open evaluation with floating reference point—is the most unreliable and least-sensitive listening protocol. No wonder audiophiles can get tricked into snake-oil remedies.—T. N.

## Cat and Corey

Dear Editor:

As a long-time *Audio* subscriber I cannot adequately express my disgust at your photo layout on pages 126 and 127 of the 50th anniversary issue (May). A model semi-reclining on what was once a noble, beautiful leopard is the epitome of insensibility. Have you no shame?

Thanks to Corey Greenberg for remembering the Louvin Brothers ("Front Row," May), and with a minimum of condescension. One small cavil: A true southern fan of hillbilly music will *always* preface the surnames of brother duo acts with the given names: e.g., Ira and Charlie, the Louvin Brothers; Jim and Jessie, the McReynolds Brothers; Teddy and Doyle, the Wilburn Brothers; and so forth. Corey has gained much respect for knowing of them at all. Thanks Corey!

William C. Johnson  
Pensacola, Fla.

## Kitty Korner

Dear Editor:

I was very offended by the photograph of the skinned cat (a leopard) in the article "The Future of Stereo, Part I," in the May 1997 issue. If you are not aware of it, big cats of the world are on the verge of extinction, and one of the reasons is the illegal harvesting of their pelts. Music lovers should help save the big cats while they still have a chance of survival.

Yehuda Norman  
The Big Cat Foundation  
North Miami, Fla.

*Editor's Reply:* No animals were harmed in the preparation of the May issue. That rug, from a theatrical prop house, is so old that the model had to place her hand strategically to hide how the head is starting to come apart from the body. I do not expect they will even try to find a real replacement when it finally does become unusable. We share your concern for the future of the great cats and by no means intended to suggest otherwise.—M.R.



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Think of the SR-880 as your complete home theater command center. It houses an advanced AM/FM tuner and manages a diverse assortment of A/V sources. By adding an external stereo amplifier and speakers, the flexible multi-room/multi-source mode provides a second listening zone with access to any of the connected A/V sources, for full dual zone control.

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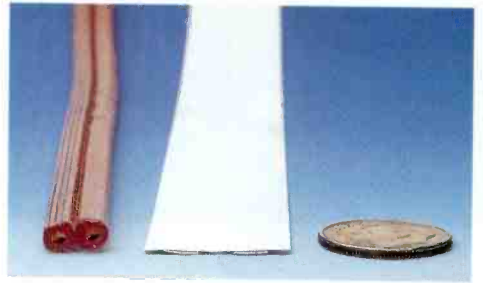
Al Griffin  
 Home Theater Magazine  
 November 1996

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# WHAT'S NEW



## Luxman Amp

An Optimized Dual-Beta (OD-Beta) circuit in the M-7 stereo power amplifier is claimed to minimize the need for negative feedback, thereby promoting sonic transparency and lifelike transient reproduction. Output power is rated at 150 watts per channel into 8 ohms, 20 Hz to 20 kHz,

with less than 0.03% THD or 460 watts in bridged mono (8 ohms). The M-7 has unbalanced RCA and balanced XLR inputs, selectable calibrated attenuators, three-way clamping binding posts, and large log-scale output meters. Price: \$5,000 in gold-tone finish. For literature, circle No. 100

## Acoustic Research Flat Cable

The task of hiding wiring for home theater satellite speakers should be easier with AR's Micro-Flat speaker cable. Less than a half-millimeter thick, the 18-gauge cable has an adhesive backing so it can be affixed to walls and painted to match those surfaces. It's

also available in 16-gauge lengths without the adhesive, in a paintable jacket, for under-rug or on-wall installation. Prices: Micro-Flat, 30 feet, \$31.99; 50 feet, \$47.99. Flat, 30 feet, \$15.99; 50 feet, \$23.99; 100 feet, \$47.91; 500 feet, \$171.50. For literature, circle No. 102



## Toshiba DVD Player

A front-panel jog/shuttle control, time search, selectable Spatializer 3-D Stereo audio enhancement, and a four-power digital zoom that lets you zero in on any one of 25 quadrants of

the picture are some of the functions included in Toshiba's second-generation SD-3107 DVD player. The top-of-the-line player also has upgraded digital audio circuitry with 20-bit, 96-kHz resolution (for suitably-encoded discs), 10-bit video D/A converters, switchable black-level expansion, and component-video outputs. Price: \$799. For literature, circle No. 101

## ARCAM A/V INTEGRATED AMP

Four video and seven line-level audio source inputs can be switched by the Alpha AV50 home cinema amplifier, which has five built-in 50-watt amplifiers, Dolby Pro Logic decoding, and Dolby Digital capability when used with a suitable outboard AC-3 decoder.

Simple front-panel controls, all duplicated on the remote control, and a comprehensive display make operation straightforward. Careful quality control and the use of computer-grade p.c. boards are said to ensure superb audio quality. Price: \$1,295. For literature, circle No. 103



## CINEPRO AC POWER CONDITIONER

Besides providing surge protection for an A/V system, the Power Station II is said to filter out AC line noises associated with dimmers and

refrigerators as well as to be present in most AC lines. Eight rear-panel AC receptacles enable full system power

control via one illuminated switch, and a multicolor LED display shows AC line voltage before, during, and after system power-up. Two slide-out lamp-holders illuminate components mounted below the Power Station II in a soft, non-glare light. Price: \$349. For literature, circle No. 104





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# WHAT'S NEW



## Hsu Research subwoofers

Standing 51 1/2 and 32 1/2 inches tall, respectively, the TN1220HO and TN1225HO subwoofers occupy less than 0.8 square foot of floor space each. Both are available in unpowered or powered versions (with the latter, the amp and crossover are separate) and are rated to produce high output from 25 Hz up to the crossover frequency,  $\pm 2$  dB; the taller sub's response is rated to 20 Hz,  $\pm 2$  dB. Prices: TN1225HO, unpowered, \$350; TN1220HO, unpowered, \$450; either with 150-watt amp, \$225 additional; with 250-watt amp, \$450 additional. For literature, circle No. 105

## NSM Speaker

To avoid phase distortion, the Model 30M speaker uses a first-order crossover. The two-way, bass-reflex, 42-inch-tall tower system is said to deliver equal horizontal and vertical dispersion from its 6 1/2-inch, magnetically shielded coaxial driver.

Moreover, NSM says that time coherence is preserved by the coaxial design. Frequency response is specified at 35 Hz to 20 kHz,  $\pm 3$  dB, with usable bass to 28 Hz ( $-6$  dB) and sensitivity of 88 dB/1 watt/1 meter.

Price: \$2,695 per pair. For literature, circle No. 107

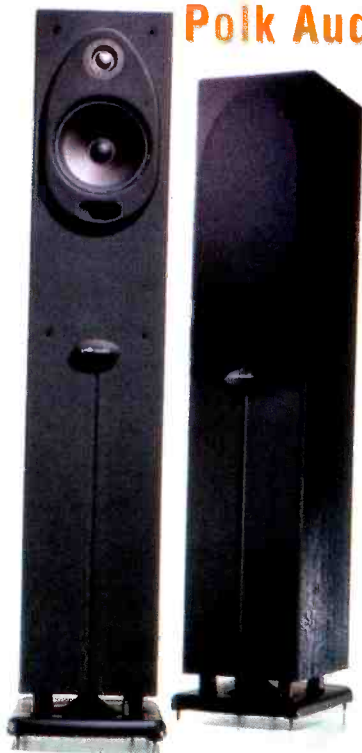


## AVALON ACOUSTICS SPEAKER



The Arcus, a two-way floor-standing speaker with a 1-inch titanium-dome tweeter and an 8 1/2-inch Nomex/Kevlar composite-cone woofer, uses proprietary driver technology that is said to yield extremely short settling times, providing startling dynamic contrasts while retaining imaging detail. Anechoic frequency response is specified at 45 Hz to 24 kHz,  $\pm 1.5$  dB, with a  $-3$  dB point below 35 Hz in a typical room. The 37-inch-tall anti-resonant enclosure weighs 70 pounds and is finished in a high-gloss black. Price: \$6,000 per pair. For literature, circle No. 109

## Polk Audio Speaker



A bandpass subwoofer with a 6 1/2-inch driver, powered by a 160-watt amplifier, is built into each RT1000p tower speaker. Polk's downward-firing Power Port vent (for the sub) is integrated with the speaker's base. The upper enclosure is sealed and uses a 6 1/2-inch mid-woofer with a 1-inch tri-laminate dome tweeter. The frequency range is said to extend from 25 Hz to 26 kHz, with 3-dB-down limits of 36 Hz and 25 kHz. Sensitivity is specified at 90 dB. All drivers are magnetically shielded. Prices: \$559.95 each, in black woodgrain vinyl; \$659.95 each in rosewood veneer. For literature, circle No. 106

Magneplan says the MG10.1 is its smallest-ever planar-magnetic dipole speaker.

## MAGNEPLANAR SPEAKER

Measuring just 53 inches tall by 10 1/2 inches wide, the MG10.1 uses a thin-film diaphragm with quasi-ribbon tweeters. It has a rated frequency range of 80 Hz to 24 kHz and is subwoofer compatible. Price: \$1,275 per pair, in off-white, black and gray fabric, or natural and black oak. For literature, circle No. 108





# WHO IS ROTEL?



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Tuners



Preamplifiers



Power Amplifiers



Integrated Amplifiers



Surround Sound Processors



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## Perhaps a few references are in order:

### Stereophile Magazine (USA), Recommended Components:

- 1996:** RCD950BX CD Player  
RB980BX Power Amplifier  
RB985 Power Amplifier  
RSP960AX Surround Processor  
RT990BX Tuner
- 1995:** RP900 Turntable  
RSP960AX Surround Processor  
RT990BX Tuner  
RHT10 FM Tuner
- 1994:** RCD955BX CD Player  
RCD965BX CD Player  
RB980BX Power Amplifier  
RHT10 FM Tuner
- 1993:** RCD955BX CD Player  
RCD965BX CD Player  
RB980BX Power Amplifier  
RHT10 FM Tuner
- 1992:** RCD955AX CD Player  
RCD965BX CD Player

### Hi Fi Choice Magazine (UK), Hi fi Choice Awards:

- 1996:** RA920AX Integrated Amplifier
- 1993:** RA960BX Integrated Amplifier  
RA935BX Integrated Amplifier  
RT960BX Tuner
- 1992:** RA930AX Integrated Amplifier  
RC960BX Preamplifier  
RB960BX Power Amplifier
- 1991:** RCD965BX CD Player

### Audio Video Intl, (USA), Hi Fi Grand Prix Awards:

- 1996:** RCD950 CD Player  
RA985BX Integrated Amplifier  
RX950 AM/FM Receiver  
RCC945 CD Changer  
RSP980 THX® Surround Processor  
RC995 CD Player  
RT940AX Tuner
- 1994:** RB980BX Power Amplifier
- 1993:** RCD965BX CD Player  
RB980BX Power Amplifier

### Audio Magazine (Germany), Golden Ear Awards:

- 1994:** RB980BX Power Amplifier  
RC980BX Preamplifier
- 1993:** RB980BX Power Amplifier  
RC980BX Preamplifier
- 1992:** RB980BX Power Amplifier  
RC980BX Preamplifier

### Sound & Vision Magazine (Canada), Critics Choice:

- 1995:** RB970BX Power Amplifier  
RB985 Power Amplifier  
RA985BX Integrated Amplifier  
RSP960AX Surround Processor  
RTC940AX Tuner Preamp  
RT940AX Tuner  
RCD930AX CD Player
- 1995:** RC980BX Preamplifier  
RB980BX Power Amplifier  
RSP960AX Surround Processor
- 1994:** RC970BX Preamplifier  
RB980BX Power Amplifier  
RB990BX Power Amplifier  
RA980BX Integrated Amplifier  
RT950BX AM/FM Tuner  
RTC940AX Tuner/Preamp  
RX940AX Receiver  
RX950AX Receiver  
RCD945AX CD Player  
RCC940AX Carousel CD Player  
RSP960AX Surround Processor
- 1993:** RX950AX Receiver  
RC960BX Preamplifier  
RB960BX Power Amplifier  
RB990BX Power Amplifier  
RA980BX Integrated Amplifier  
RT930AX FM Tuner  
RT950BX AM/FM Tuner  
RCD965BX CD Player

### What Hi Fi? Magazine (UK), What HiFi Awards:

- 1993:** RCD945AX CD Player
- 1992:** RT950BX AM/FM Tuner  
RA920AX Integrated Amplifier  
RCD965BX CD Player
- 1991:** RCD965BX CD Player  
RA930AX Integrated Amplifier

### Consumer Electronics Show (USA), Innovations Awards:

- 1997:** RSP980 THX® Surround Processor
- 1995:** RMB100 Monoblock Amplifier
- 1992:** RB980BX Power Amplifier

### Consumers Digest (USA) Best Buys:

- 1996:** RX950AX AM/FM Receiver  
RA970BX Integrated Amplifier

### Home Cinema Choice (UK) A/V Power Amp of the Year:

- 1997:** RB985 Power Amplifier

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## Impedance of Twin Powered Subwoofers

**Q** Edward Long's review of the M&K MX-150THX powered sub (February 1997) left me with a question that I wouldn't otherwise have known to ask. My receiver has right and left sub outputs. If I wanted to attach two powered subs, I assume I could just put a splitter on each output and send the right channel to one sub and the left channel to the other. Long states that the "rated input impedance [of the subwoofer's built-in amp] is 15 kilohms, high enough for two MX-150THX subwoofers to be connected to the same output of a preamp or surround processor." When is it not feasible to hook up two powered subs to the same output, and what is the risk if the impedance is not high enough?—Dave Gannon, Bridgeville, Pa.

**A** If your receiver really has separate subwoofer outputs for each channel, you can simply connect one sub to each and get stereo bass. (More likely it simply has two mono outputs in parallel.) If you wanted each woofer to reproduce the bass from both channels, you'd feed the left output to the left inputs of each sub and feed the right output to each sub's right input. This should create no impedance problems. Even if you had only one subwoofer output, you could probably connect both subwoofers directly to your receiver.

The rule of thumb is that an input impedance should be at least 10 times higher than the source's output impedance. If your receiver's subwoofer outputs have impedances of 100 ohms, you could connect 15 of the MX-150THX powered subwoofers to that input and still be within these guidelines. However, if that output impedance is 1 kilohm (a possibility), the issue becomes cloudy. One subwoofer would be no problem, but two of them would present an impedance of 7.5 kilohms; even that would probably work just fine, but you certainly would not want to add a third subwoofer.

Another question you should ask is about crossovers. Your system should crossover at about 80 Hz, feeding signals above that frequency to the satellites and lower

frequencies to the subwoofer. If your receiver's subwoofer outputs are low-pass filtered and the filter cutoff is 80 Hz (as it will be if the receiver is certified for Home THX), you should switch off the subwoofer's built-in low-pass filter so as not to make the slope too steep. If your receiver also has a high-pass filter to complete the crossover to the satellites or if your satellites roll off at 12 dB per octave below the low-pass frequency, these connections will work fine.

However, if these conditions aren't met, you might be better off connecting your subwoofers and your satellites to the receiver's main outputs, through an external crossover, or through the crossover built into the subwoofer.

## Intermittent Channel

**Q** When I turn on my 10-year-old integrated amp, I sometimes get no sound from the left channel. I can get it to kick in by turning the volume control up about one-third of the way, which is pretty loud; when it kicks in I can turn the volume down to any level. It's had this problem for a while, but it's now happening more often, and it occasionally now goes dead after it's warmed up. Again, turning the volume up made it kick in again and I could turn it back down. Also, the left channel seems to be a bit quieter than the right. Any inkling what the problem might be?—Name withheld

**A** Many things could cause this: bad solder connections on a printed-circuit board, poorly connected speaker cables, a dirty volume control or dirty switches in circuits following the volume control, intermittently open interstage coupling capacitors. . . the list of possibilities is endless. Perhaps the most common cause of such behavior is a dirty contact on a speaker protection relay. This is not a serious problem if you can get to the relay and clean it, but if not, you will want to change the relay. If your amp has a speaker-selector switch, you should probably check its contacts, too; if operating this switch also brings the dead channel back to life, it's probably the cause of your problem.

## Poor Man's Surround

**Q** My roommate has a stereo rack system. We'd like to replace its speakers with two better ones and use the original loudspeakers as surrounds. Both sets of speakers have impedances of 8 ohms. Can we do this? The system has only one pair of loudspeaker outputs.—Stuart, via e-mail

**A** You can get a surround-like ambience effect by hooking up your extra speakers so that they reproduce the differences between the right and left channels, a technique originated by David Hafler. Connect your main speakers normally. Connect the second pair of loudspeakers in series with each other, between the positive, or "hot," terminals of the two front speaker outputs. If your rack system has speaker output terminals designed to accept bare wires, that will be the two red terminals. If it has RCA jacks for speaker outputs, as some rack systems do, you'll need to connect to the center terminals of each jack; a Y-connector in each jack will simplify this.

If the surround speakers sound too loud, add a series rheostat, value about 50 ohms. I am assuming that the rack system's amplifier does not produce lots of power, so the rheostat's wattage rating probably won't be critical.

## Accidental Pink Noise

**Q** When I turn up the volume on my new surround receiver, with or without an input signal, I hear a lot of pink noise (like a "sshhh") from the speakers. What's causing this and how can I stop it?—Matias Helman, via e-mail

**A** Most surround preamps, decoders, and receivers have test-signal generators, many of which produce a signal like the one you're hearing. If you haven't already done so, check to see that this test generator is switched off. If that's not the cause, something more serious is wrong.

You say that you hear this noise when the volume is advanced. Do you hear it at normal listening level? Because if you hear it

If you have a problem or question about audio, write to Mr. Joseph Giovanelli at AUDIO Magazine, 1633 Broadway, New York, N.Y. 10019, or via e-mail at JOEGIO@delphi.com. All letters are answered. In the event that your letter is chosen by Mr. Giovanelli to appear in Audioclinic, please indicate if your name or address should be withheld. Please enclose a stamped, self-addressed envelope.



“...by a wide and clearly audible margin, the Micro90t is the best small-satellite home theater speaker system I have ever reviewed.”

—David Ranada, *Stereo Review*, February 1997

## Boston Acoustics Home Theater Options

### Micro Reference

Big theater sound from small, sculpted satellites.

### Compact Reference

Incredible sound from compact speakers.

### Lynnfield VR™

Audiophile sound with the full impact of Dolby® Digital.

### Boston Acoustics THX®

Dubbing-studio-quality sound.



The experts at *Stereo Review* listen to literally hundreds of home theater speakers each year. So it stands to reason that the Micro90t must be pretty special to warrant such praise.

The reason for this enthusiasm? Good old-fashioned engineering know-how.

Take the Micro90 satellites, for example. They feature a die-cast aluminum housing of incredible strength and rigidity. So the drivers' energy is projected as pure, clean acoustic output instead of being wasted as cabinet vibration. The result: a satellite that can fit in the palm of your hand, and still fill a room with astonishing sound.

Its anodized aluminum tweeter with AMD handles lots of power, yet reproduces highs with virtually zero distortion. And its swivel-mount pedestals make for simple shelf or wall mounting. The Micro90 powered subwoofer, with its clean 75-watt amp and 8-inch DCD™ bass unit, produces ample amounts of deep, tight, powerful bass.

Add the tonally matched Micro90 center channel and either direct or diffuse-field surrounds and you've got a system that beats all other satellite home theaters "by a wide and clearly audible margin." You can test-listen the Micro90t at your local Boston dealer. But rest assured, you won't be the first to listen with a critical ear.



This Micro90t home theater system includes:  
Two Micro90 satellites, sonically matched center channel, powered subwoofer, and a pair of VRS Micro diffuse-field surrounds (available separately).

## Boston Acoustics

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only when you advance the volume control far beyond that point (or when you put your ear close to a speaker), there's probably nothing wrong. Turn the volume up full on any electronic device and you'll hear some hiss, which is simply residual electronic noise produced by transistors and other solid-state components in the circuitry.

If you hear the noise during normal listening, however, there's a problem. If that's the case, take it back to the store where you got it. From what you say about its newness, it should still be covered by its warranty.

## How Do You Get Surround?

**Q** Can home equipment really give you surround sound effects like the ones you hear in the movies? If so, what kind of equipment do you need?—Name withheld

**A** Yes, you can get such effects, but how well they match the movies depends on the equipment and software you use.

Some very inexpensive equipment gives you a sort of surround by playing the out-of-phase components of a stereo signal through speakers at the rear or sides of your room. This is fairly good at reproducing ambience from stereo or surround recordings but doesn't produce the directional effects of more elaborate surround systems.

The next step up is Dolby Surround, which more accurately decodes the surround information in most movies on videotape, laserdisc, and those broadcast in stereo from many TV stations and on cable channels (and the occasional Dolby Surround audio recording). Dolby Pro Logic is an enhanced version of Dolby Surround decoding, with circuits that steer signals appropriately to the various speakers, making surround effects far more pronounced.

You can also now get laserdiscs and DVDs with digital surround signals. Digital surround sounds clearer and maintains true separation between all five main output channels. Dolby Digital (also referred to as AC-3), the chief such system, will also soon be used in satellite and high-definition TV (HDTV) as well; however, some listeners prefer DTS, a competing system.

Besides a surround decoder, which may be built into an amp, receiver, or other component, you'll need extra speakers and amplifier channels. The standard is five speakers (three across the front and two at the

sides of the room) plus a subwoofer, but it's possible to start with fewer and gradually enlarge your system. Home theater amplifiers and receivers usually have enough amplifier channels to drive five channels (most subwoofers have their own amps built in). To receive movies broadcast on TV in stereo or available from cable channels, as well as TV shows and sports broadcasts mixed in Dolby Surround, you'll also need to have a VCR or TV set with a built-in MTS stereo tuner/decoder.

That's just a very quick summary of a complex subject. To learn more, read our reviews and articles and visit a few stores to see and hear what they're selling. You can also glean some information from the specifications listed in our annual October Directory issue.

## Crossover Terms and Concepts

**Q** Now that I'm putting together a home theater system, I'm hearing more and more about crossovers. Please explain the following terms and concepts: crossover filter (as contained in a subwoofer), internal high- and low-pass filters, and speaker-level versus line-level inputs and outputs on powered subs. Also, does Dolby Pro Logic automatically filter out the low end from the main and surround channels or does the subwoofer's crossover do this?—Michael Prescott, Tarzana, Cal.

**A** Since I receive many letters like yours, I'll start with the basics. Subwoofers are speakers designed to reproduce low-frequency (bass) tones, chiefly those below 100 Hz, though some subwoofers can be set to respond smoothly to frequencies as high as 200 Hz. They can be used with "satellite" main speakers, which often are quite compact and reproduce only frequencies above the subwoofer's range, or with full-range main speakers that have some bass capability of their own.

To get the best from a subwoofer, you need a crossover circuit to ensure that the bass goes only to the subwoofer and the upper frequencies only to the main speakers (or satellites) with as little overlap as possible. There are several reasons for this: Speakers are designed for specific frequency ranges and will distort when reproducing other frequencies, so it's best to keep treble out of the subwoofer and bass away from small satellites. Further, any treble coming



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**MO**- Independence AV: Independence• Reference Audio: Sedalia•  
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from the subwoofer will degrade the system's imaging (and divert your attention towards the subwoofer as a sound source, which it should never be perceived as). Moreover, your main speakers and amp will sound cleaner at higher levels if they're not reproducing bass. And frequencies produced by both the satellites and subwoofer will be overemphasized and probably not in exact phase agreement, making the sound muddy.

So a subwoofer crossover should ideally have two parts, a low-pass filter that channels only low frequencies to the subwoofer and a high-pass filter that channels only upper frequencies to the main speakers. Most subwoofers, especially the powered ones, have their own low-pass filters. Most home theater components have line-level subwoofer outputs, but not all apply low-pass filtering to those outputs. If your system has low-pass filtering in your subwoofer and your electronics, you can use either filter but should not use both at once. Some home theater components also have high-pass filters, but many others do not. For this reason, subwoofers sometimes have built-in high-pass filters as well. (All preamps, integrated amps, and receivers with Home THX certification, however, have both high- and low-pass filters.) You can, if necessary, use a subwoofer without high-pass filtering the main speakers. This requires adjusting the low-pass crossover frequency to achieve a smooth blend with the main speakers' natural low-frequency rolloff.

This brings us to the question of speaker-level and line-level subwoofer connections. (Line-level inputs are found only on powered subwoofers; passive subwoofers, which have no amps of their own, have only speaker-level connections.) You'd use line-level connections if your system has a subwoofer line output or if your subwoofer has a line-level crossover with high-pass filtering and your system lets you connect the sub between your system's preamp and power-amp sections; the line-level connection may give you slightly cleaner sound.

If your subwoofer has a full speaker-level crossover and the rest of your system has no high-pass filter, you could also connect your amp's main outputs to the subwoofer's speaker-level inputs and drive your main speakers from the sub's speaker-level outputs (although this can cause unpleasant response irregularities if the sub's

high-pass filter is a passive type that was not designed with your specific main speakers in mind). You might also use this setup if neither your sub nor your system's electronics has high-pass filtering. If your system has no subwoofer output and your sub has no subwoofer-level high-pass outputs, you might try connecting both your main speakers and your sub directly to your amp's speaker-level outputs; this should cause no problems with a powered subwoofer, whose input impedance is fairly high, but could cause amp problems with a passive sub, especially if it or your main speakers have impedances below 8 ohms. If you do have problems, ask the subwoofer's manufacturer for advice.

Dolby Pro Logic components often have switches marked "Wide" and "Narrow" for the center channel. These are short for wideband and narrow-band. If your center speaker can handle bass, leave this switch set at "Wide," and it will receive the full range of frequencies. If your center speaker can't handle bass, switching it to "Narrow" will divert that channel's lower frequencies to the main (left and right front) channels.

Dolby Digital Surround is similar, but its bass management is more complex. For starters, some of the overall signal is intended from the outset to be played through a subwoofer and is carried as a separate Low-Frequency Effects (LFE) channel. But the LFE channel can be redirected to the front left and right speakers if there is no subwoofer or simply turned off. In addition, the bass from all the other channels can be redirected as well. So you can, for example, send low frequencies from any or all channels to a subwoofer or redirect surround-channel bass to the front left and right speakers. Since bigger speakers tend to reproduce more bass than smaller ones, Dolby Digital's bass-management switches are labeled "Large" and "Small" instead of "Wide" and "Narrow."

## Footloose and No Longer Rumble-Free

**Q** My turntable is mounted on a shelf that pulls out from my entertainment center. The turntable's feet have rubber "boots" with springs inside and plastic discs on the end—or rather, had, since the rubber has disintegrated. Now, when I play records with bass at anything above quiet listening



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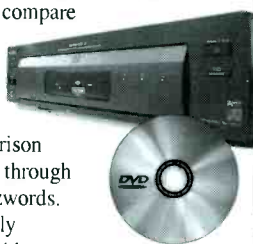
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levels with the turntable's cover down, the sound is noticeably distorted. This only started happening when the rubber feet fell apart. The turntable works great otherwise. I have double-checked the tonearm/cartridge setup, and I replaced the stylus recently. I've thought of buying a set of sorbothane isolation feet or isolation cones, but I don't know if they would work. Ads for these products usually say they're used to support amps, CD transports, and the like. Would the use of either the feet or cones do the trick? What do you suggest?—Chuck Hammill, via e-mail

**A** Apparently, sound waves from your speakers are vibrating the shelf, and the rubber is no longer there to prevent these vibrations from shaking the record or the stylus. You might be able to get replacement feet from your turntable's manufacturer or find isolating feet in audio shops. (The cones, I suspect, would transmit even more vibration, exactly what you don't want.) But you can also try making your own isolation devices. I sometimes use foam rubber whose density is such that the foam just begins to compress under the weight of the base without letting the base sink down all the way. You also can make cheap and effective isolation pads by sandwiching several layers of discarded polyethylene "bubble" packing material and placing them under the turntable's feet. Use scissors to trim them in the shape of the feet so they don't look messy, and make certain the plastic air bubbles haven't been pierced, because they provide the isolation. If there's enough clearance, and the turntable has enough mass, old tennis balls that have lost some of their gas can work quite well as isolating devices placed beneath the turntable feet. Like the foam rubber, the tennis balls should compress just enough to isolate the turntable base from the shelf's vibration.

## Amplifier Hum

**Q** *Your recent answer (June 1997) to the fellow whose old Philco radio had aging capacitors struck a nerve. When I turn on my beloved 15-year-old, kit-built amp and preamp, I hear a barely audible hum from the left speaker. It doesn't increase when I raise the volume, and switching the leads from the amp to the speakers moves the hum to the right speaker. I suspect it's caused by deterioration in the amp. Is it likely to be the big capacitors in the amp or something else? Is it*

*time to apply for a second mortgage and buy a high-end amp? Before I disconnect the beast and drag it to a repair shop, it would be helpful to understand what's causing the problem.*—Name withheld

**A** The fact that the hum doesn't get louder when you raise the volume suggests that it is an amp rather than a pre-amp problem. But the real test is not to switch the speaker leads but to cross the cables from your preamp to your amp, so the preamp's left channel feeds the amp's right, and vice versa. If the hum does not switch channels, it is definitely in your amp; if it does switch channels, it's probably your preamp. I say "probably" because it could be in your cables, too. To check for that, swap the cables' other ends, so that the preamp's left channel feeds the amp's left again, but through the cable that originally carried the right channel. If the hum switches back—or if it disappears—the problem's in the cable.

Assuming it is the amp, it is certainly possible that the main filter capacitors are beginning to fail, but I'm not convinced that they are. The fact that you hear the hum only on the left channel makes me suspicious that there is a weak component in that channel's circuitry. (Unless, of course, your amp has separate power supplies for each channel.)

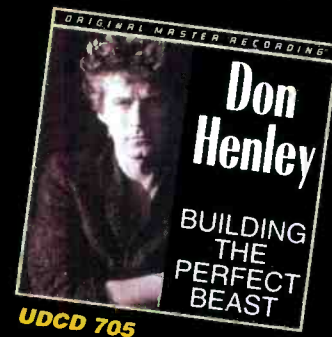
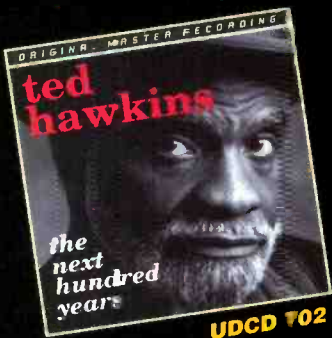
If the faulty amp (or preamp) uses tubes, the hum might be caused by improper bias on the output tubes. It might also be caused by a bad driver tube, which could unbalance the circuit so that hum is no longer cancelled out. Bad output tubes are also worth considering. Leaky interstage coupling capacitors can cause hum by making an output tube draw excessive plate and screen current.

In the long run you will need to change all of the electrolytic capacitors in that unit, and you may need to change interstage units as well. If you can do any of this work yourself, it will be good experience and will save you money.

If you have solid-state gear, it will behave much the same, in some respects. If the output stage or some driver stage draws too much current, the power supply filters won't handle it, and some hum will be produced. Here, too, a push-pull circuit could have become unbalanced so that it no longer cancels hum.



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Problems with solid-state devices are harder to diagnose because of the very considerable interaction among the individual semiconductors. Most tube gear uses interstage coupling capacitors, so that each stage tends to function individually. Solid-state designs are often direct-coupled, with no interstage capacitors; with direct coupling, a little diode or transistor early in the circuit can unbalance an entire amplifier, possibly even burning the channel out.

Another possible hum source is a cold solder joint gone bad. This is especially like-

ly in equipment built from kits, though the fact that it took 15 years for the hum to develop makes a bad solder joint less likely. Still, examine all the solder joints in that channel to make sure none have the clouded or milky look of a bad joint.

On the other hand, the fact that it's a kit means that your original manual probably shows what the correct voltages should be at various points in the circuit. Finding improper voltages may lead you to your hum source. With other equipment, you'd have to get a service manual, which might not be

easy after 15 years. Beyond this it's anybody's guess. A trained service technician, used to working with equipment from the company that made your amp and preamp, will know those products' weak spots.

### Short Cables vs. Long Interconnects

**Q** Which of the following is more efficient: Placing the power amplifier close to speakers to keep speaker cables short, which makes long interconnects necessary between the preamp and amp, or having short interconnects between preamp and amp and long speaker cables?—Fred Watson, via e-mail

**A** Amplifier power is too expensive to waste in the form of heat in loudspeaker interconnecting cables. If this is taken into consideration in the selection of cable, I'm not sure it makes much difference whether the interconnects are long or if the loudspeaker cables are long, particularly if the loudspeakers involved are 8- or 16-ohm. Of course, this can be carried too far—if we are dealing with runs of 100 feet or so, for example. In that case we'd have problems either way. Long audio interconnects can cause loss of highs unless very low-capacitance cable is used. And speaker lines over such distances would have to be of really heavy gauge if DC resistance were to be kept low. The higher the DC resistance, the greater the loss in damping and the greater the power that will be lost in the speaker cable.

With low-impedance loudspeakers (4 ohms or less) located a substantial distance from the preamp, my choice is definitely to have the power amplifier closer to the loudspeakers and run the longer input cables to the preamplifier. I have about 15-foot cable runs in just such a system, and I am using 8-gauge wire. I probably could have used a higher (thinner) gauge, but I didn't want to even think I'd have problems. I have about a 40- to 50-foot run of cable between the preamplifier and the power amplifier, and I have no ill effects, even with ordinary cable. This is a matter of having a preamplifier with a low output impedance, such as 100 ohms or so. Once you get to an output impedance of around 1,000 ohms, your cable capacitance starts entering into the equation, and extreme highs will start to be rolled off with ordinary cable. Use cable with as low a capacitance per foot as possible. **A**

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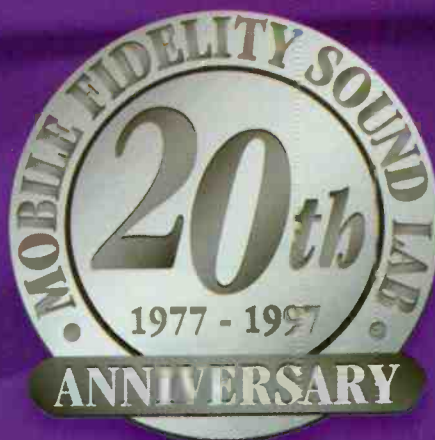
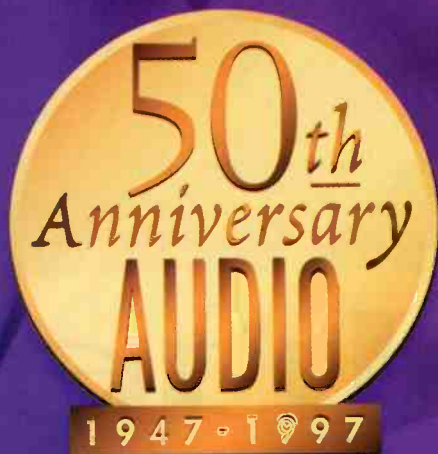
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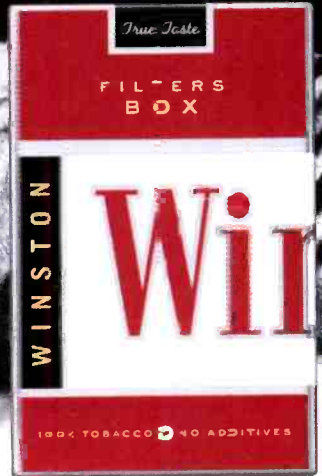
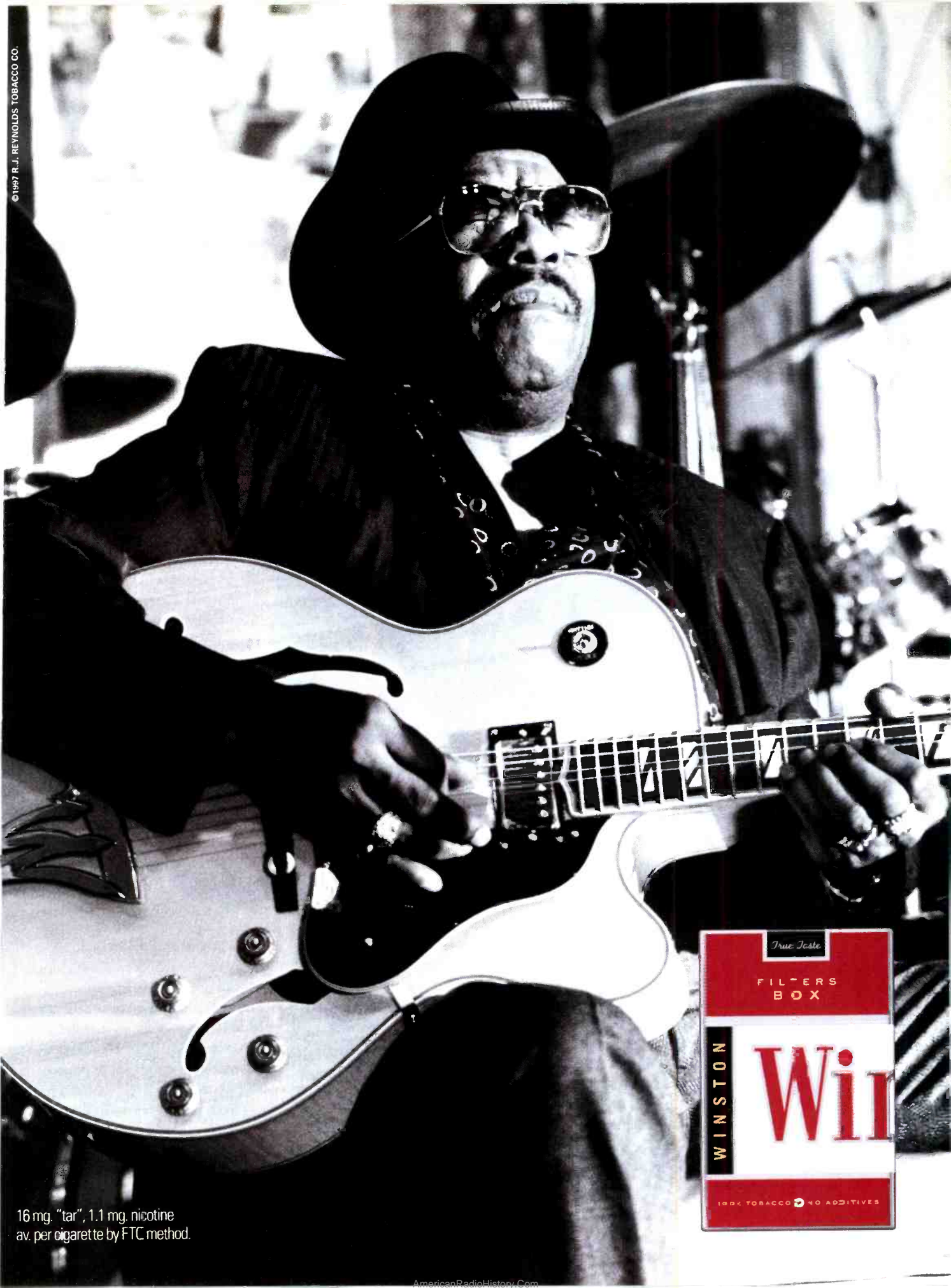
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## BINAURAL SOUND HITS THE BIG SCREEN



Inside the Sony IMAX Theater at Lincoln Square, New York City.

**T**he viewing experience at IMAX theaters, where the screens are already 10 times larger than standard movie screens, is being expanded further, via "3-D" images and true binaural sound. In the United States alone, five "3-D" IMAX films are currently playing at more than 15 IMAX theaters.

The initial IMAX "3-D" film, shown at Expo '85 in Japan, used the primitive anaglyph process of red and green glasses and projection filters. The present approach is far removed from that. Images are projected in full, unfiltered color by two enormous, matched IMAX projectors that put out enough light to require a separate room full of cooling equipment. But instead of casting simultaneous beams, as in previous "3-D" systems, these projectors beam



Headset worn for IMAX "3-D" presentations.

alternately, switching 48 times per second.

To turn the images into "3-D" and to hear the binaural soundtrack, each viewer wears a large but comfortable headset, which contains earphones and eyeglasses (and can be worn over prescription glasses). The lenses are liquid-crystal shutters that switch between opaque and clear in

perfect synchronization with the projectors. Timing is controlled by signals broadcast from infrared transmitters on the theater walls to sensors on both sides of the headsets. Add the giant screen and the detail-filled images from the oversized 70mm frames, and you get uncanny realism, experienced without eyestrain.

Not all of your immersion in this apparent reality comes from the screen. Much of it comes from the sound system, developed after years of research by Sonics Associates of Birmingham, Alabama. Binaural sound emanates from the headsets' two small speakers, just above and slightly in front of your ears; they cover all but the frequencies below 100 Hz. Low bass is handled by a pair of subwoofers behind the giant screen. Four full-range speakers, also behind the screen, keep sounds tied solidly to the film's images even if you turn your head; if you have trouble imaging binaurally (as some people do), these speakers will prevent front sounds from seeming to come from the sides or rear. Two more speakers, in the rear of the theater, carry only surround ambience; the headset's binaural speakers

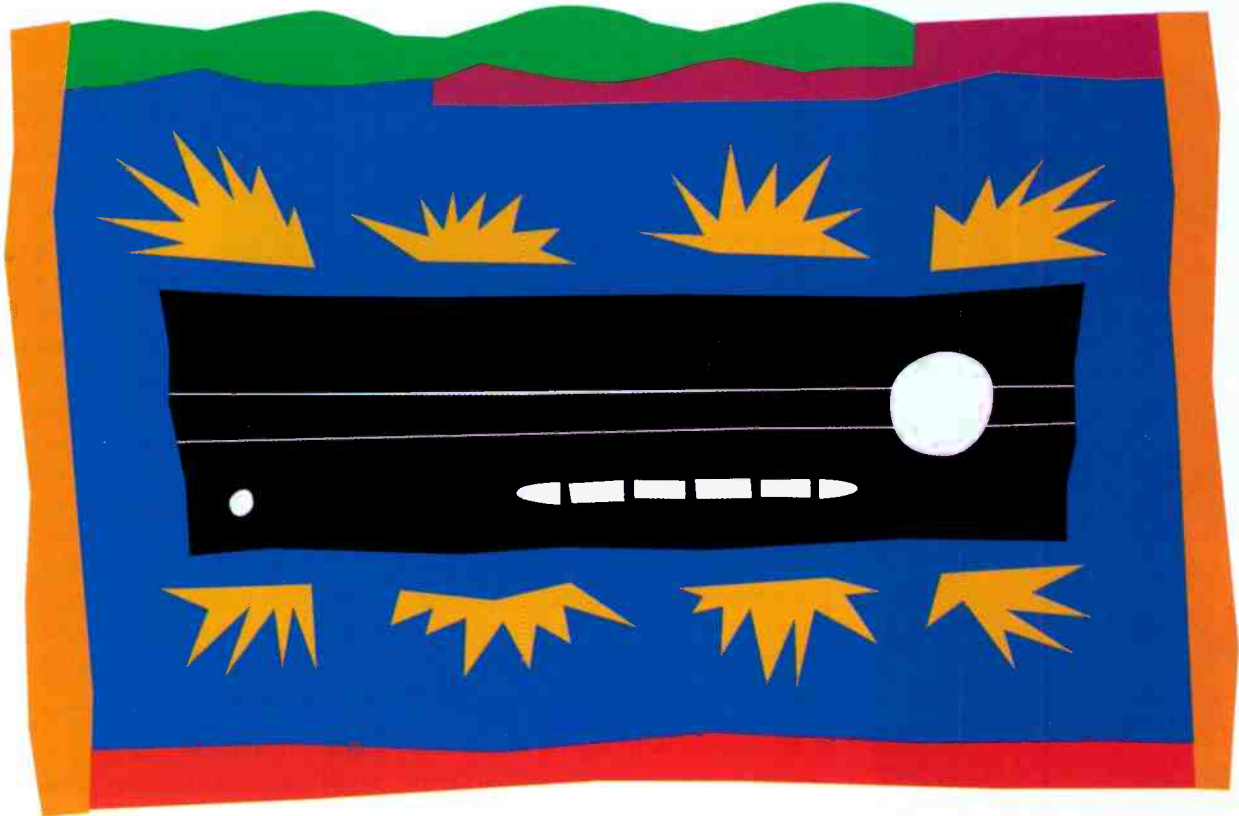
carry sounds that are supposed to originate behind you. Eight channels of an 18,000-watt, 10-channel amplification system feed the speakers; the other two channels feed the binaural signals to the headsets. These amps are fed from four audio CDs, computer-synchronized with one another and with the projectors. The headsets can receive four separate soundtracks, so a movie could be presented in different languages simultaneously if the theater provides enough channels.

There are currently five IMAX "3-D" films. *Into the Deep* is a showcase of often startling "3-D" underwater photography, but it does not use binaural sound. *Wings of Courage*, a



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— Walt Whitman



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## DELCO DOES DATA

The Radio Data System (RDS), which adds station call signs, program types, traffic announcements, and other information to FM signals is now in use by about 14% of U.S. FM stations. And these stations are mostly in metropolitan areas, where 30% of U.S. listeners can pick them up. But most of those listeners are unequipped for RDS reception, and many are even unaware that RDS exists.

The listening public's lack of knowledge and equipment is probably about to change: Delco, the world's largest car stereo manufacturer, will be making RDS-equipped head units for 1998 Cadillacs; RDS will be standard on the Seville STS (due



out about the end of this year) and optional on other Cadillac models (scheduled to be available about the time you read this).

Cadillac was also the first General Motors car line to offer Bose stereo systems,

which have since been made available in every other GM car line except Saturn and on a number of imported cars. The odds are that RDS, a far less costly option, will eventually be offered in every GM car. Ford will also offer

RDS in some U.S. models for '98, as will BMW and Jaguar; Porsche and Audi already offer it here. These companies all sell RDS-equipped cars in Europe, where 90% of FM stations broadcast it. *I.B.*

gripping story featuring Val Kilmer and Tom Hulce, concerns the first airmail flights over the Andes in South America. Although binaural sound is not used extensively in this film, it is used effectively when you hear the thoughts of one character coming from inside your own head!

*Across the Sea of Time* is the story of a child who stows away on a freighter from his native Russia and arrives in New York City, looking for a relative who emigrated there and had worked as a photographer of stereopticon views. Fascinating rare stereo stills of New York City around 1900 (including the building of the subway) are dissolved into "3-D" motion shots of the same locales today, accompanied by a John Barry score. All dialog, music, and environmental sounds were recorded with the Aachen Head Acoustics binaural system. Adding Foley sound effects and dialog after shooting (required because of camera noise) was difficult. For one thing, the acoustics of the recording venue had to match the expected acoustics of the space seen on screen. For another, such sounds as slamming car doors had to be accurately localized within the 360° binaural sound field. Without

those precautions, audience members would experience unnerving contradictions between what their eyes and ears register.

*L-5: First City in Space* is a science fiction tale based on plans for a future space station and the attempted capture of a comet to supply water for it. *Four Million House Guests*, the latest "3-D" production, is another IMAX film centered around a child. The protagonist visits the island home of an eccentric relative who is away but leaves information about entering four different worlds, from the microscopic to the cosmic, for the child to explore. Another IMAX "3-D" production is currently filming in Egypt.

At the moment, IMAX "3-D" films can be seen in New York City; Irvine and Santa Clara, California; Chattanooga, Tennessee; Galveston, Texas; Chicago and Gurney, Illinois; Fort Lauderdale and the Kennedy Space Center in Florida; Las Vegas, Nevada; New Orleans, Louisiana; and Virginia Beach. Some of the more than 100 IMAX theaters in the world are being converted to "3-D," and new ones are being built. Together, these theaters are introducing many people to the excitement of giant-screen "3-D" and binaural surround sound. *John Sunier*



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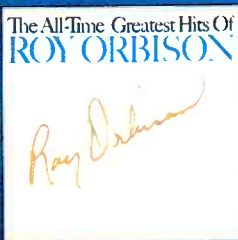
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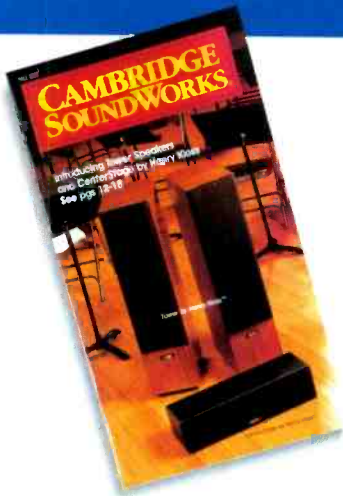
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## ENOUGH TO TURN YOU GREEN

And now for this month's Heartbreaking Display of Idiocy: A British tube-amp manufacturer's representative went into a hi-fi shop to demonstrate his new amplifiers, which feature solid-timber chassis. The retailer said that he loved the amplifiers, but, as he had gone “green,” he would stock them only if the wood were replaced with medium-density fiberboard. I wish I'd been there to ask him about nearly every loud-speaker in the shop, the brochures, the toilet tissue in the can. . .and then to ask him what he thought the primary ingredient of fiberboard was.

*Ken Kessler*

## DID I MYTH SPEAK MYSELF?

My seatmate on the commuter train was holding an LP, so I started talking with him. We were chatting about cartridges when I reached my stop.

I told him I have several moving-coil and moving-magnet cartridges mounted in shells for the Sumiko arm on my Sota turntable, but only MM cartridges, a Shure and a Stanton, in mounts for my three-speed Dual. “I wouldn't put an MC cartridge in an automatic,” I said, and he nodded approvingly.

Then I got off and started thinking about what I had just said. There is an undisputed argument for using my Shure and Stanton on the Dual: It's my only turntable with a 78-rpm speed, and they're the only cartridges for which I have styli to play 78s. But what my seatmate was acknowledging was another, to me disputable, argument: that automatic turntables eat delicate styli.

My first automatic, a primitive brute of a Webcor, certainly did. Since then, I've owned a number of automatics: several Duals, a Garrard, a BIC, and the original ADC Accutrac. All have lowered my styli to the groove in a straight line and, usually, quite gently. All have lifted their arms at each record's end (though I think my first Dual jerked a bit at that). Not one has bent a stylus for me.

They didn't have to. I've bent a number for myself. I've sneezed or shivered or had a cat leap on my back just as I'd nearly lowered the stylus to the record or as I was raising it from the lead-out groove. I've jerked arms sideways. You name it, I've done it (mainly to Ortofons, alas, which had to go back to the factory for new styli).

There's still some instinct telling me to keep the moving-coils on the Sota. But I think it's more to preserve my peace of mind than my styli.

*I.B.*

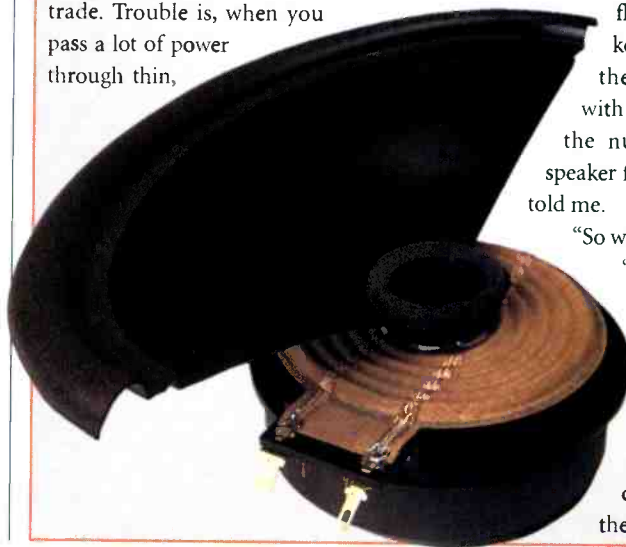
## THE TROUBLE WITH TINSEL

How do you maintain constant electrical contact with a speaker's moving voice coil? Most speakers use thin, flexible braided wires, called “tinsel” in the trade. Trouble is, when you pass a lot of power through thin,

unsupported wires while flexing them violently, they can break. That's one reason why, in its Nitro series of car speakers, Jensen has bonded its tinsel to the flexible cloth “spider” that keeps the voice coil centered, then reinforced that bond with stitching. “This eliminates the number two cause of car speaker failure,” Jensen's Ken Linde told me.

“So what's number one?” I asked. “Playing the speakers too loud,” said Linde. “But on home speakers, broken tinsel is the number-one failure problem—you only get to overload your speakers in the car, because your wife isn't there.”

*I.B.*



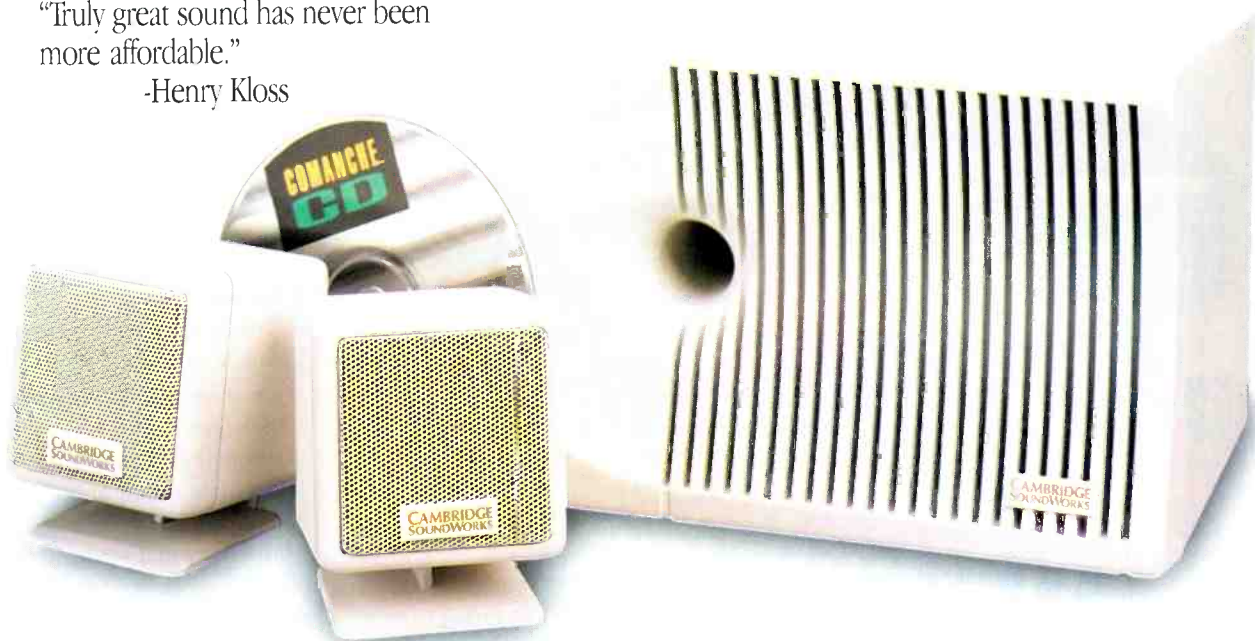
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# THE ODDBALL STATE OF WORLD AUDIO

available only to the locals before they're unleashed on foreign markets. It's a way of field-testing without losing face.

At the other extreme are the teeny companies that can't afford to produce regional variants beyond manufacturing to the correct voltages or perhaps offering silver or black faceplates for markets that demand a choice. And, bless 'em, the

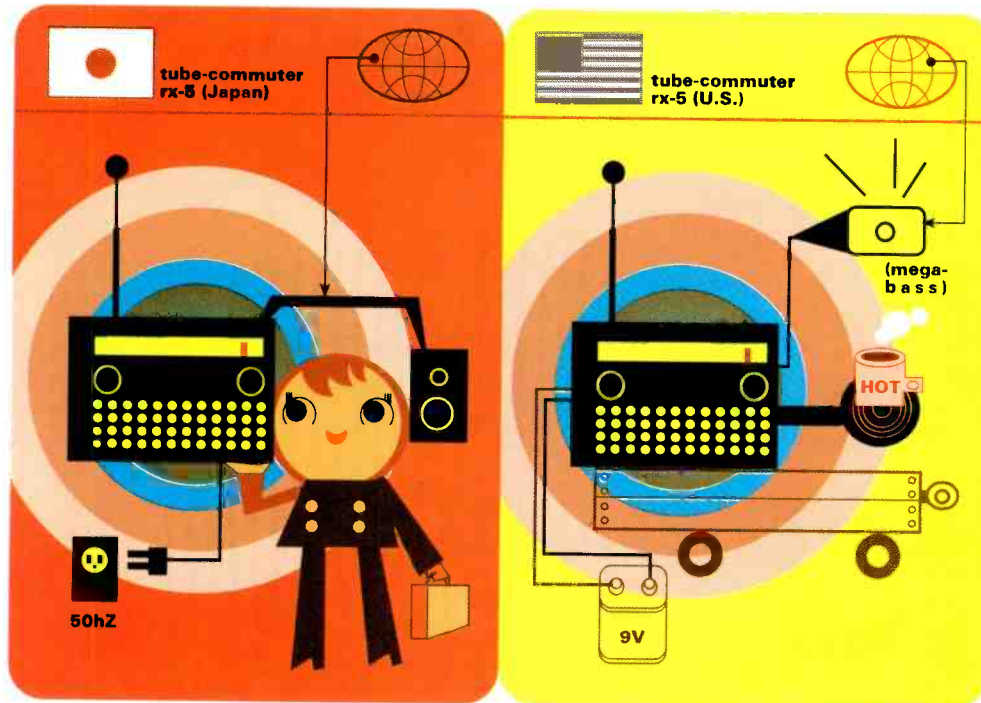
high-end brands, too, tend not to tamper with their products because they sell globally on the strength of reviews in the high-end magazines from the U.S.A. or the U.K. As a consequence, Wilson Audio's world-champion Watt/Puppy speaker system differs not at all from one country to the next, while an acclaimed Mark Levinson CD transport and companion D/A converter or an amplifier will differ only according to each country's AC line voltage.

Then there are those corporations who deliberately set out to use their size to address local tastes, just like the big boys—the automobile manufacturers. It was while visiting hi-fi manufacturers in Italy with a fellow American that we realized just

how localized car models are, and it quickly dawned on us that there are no Italian cars sold in the United States at present besides Ferrari and Lamborghini (no sign of Alfa-Romeo, Fiat, or Lancia returning).

Ditto for all of the French cars, unless Citroen, Peugeot, or Renault are ready to stop licking their wounds. How many Americans are aware

that Opel, Vauxhall, Bristol, Ginetta, MG, Marcos, and Maserati are still around? More to the point, you probably wouldn't even recognize half the cars running around Europe with Ford badges.



**W**hatever anyone tells you, the notion of “globalization” hasn’t really taken root as much as has been suggested. You already know that DVD is as internationally divisive as local languages, currencies, and xenophobia, while the world will forever suffer AC voltages that range from 100 to 250 volts, at frequencies of 50 or 60 Hz. Different AC plugs, different phone connectors—always check before you travel if you plan on using a laptop while abroad to send or retrieve e-mail.

And then there are so-called “world” models. The Japanese have probably done the best job at making universal components, though they are not above producing versions that accommodate local tastes if the

markets are large enough to support them. Examples that spring to mind are speakers that look the same in every territory but that are “voiced” for Japan, the U.S.A., Europe, the U.K., and one or two other zones with special peculiarities. Then there are models from Asia that sell exclusively in Asian markets, or only in Europe, or just for the U.S.A.;

it’s almost heartbreaking to cross the ocean to the Consumer Electronics Show in the U.S. to see some awesome large-screen TV produced only for Americans. And Japan is awash with oddball products that are made

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WILL HAVE TO TRAVEL  
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Illustration: Claudia Newell



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And so it goes for part of the hi-fi industry. People tell me that production from Barclay Digital, an American CD transport maker, is just about 100% for export, while an Englishman will have to travel abroad to find a Sugden or Matisse amplifier. Yes, there are brands that are completely export-oriented. Some of them (especially British ones) cite the lunacy of the home market. Others simply can't find worthy distributors.

So what's in the middle? When you get to the companies that nestle nicely in between the cottage-industry types and the multinationals, you find those that are large enough to support broad catalogues but are small enough to cater to specific tastes. And, to my surprise, that includes Marantz and Tannoy—although I should have recalled the precedents: Marantz once marketed a

\$4,500 two-box CD player limited to 500 pieces for Europe, while for years the more monstrous Tannoy horns were sold almost exclusively in Japan.

Why I would mention those two companies together has a lot to do with Tannoy being distributed in a handful of markets by Marantz. Because of this, the companies shared a joint annual press and dealer conference in Italy in early July, killing a whole flock of birds with one stone. In attendance were enough representatives of both companies to ensure that no question went unanswered. I was in the group with British journalists, who were followed by the Italian press, and we were, blessedly, long gone before British retailers arrived.

Marantz took the first turn, highlighting the recently introduced models in the Ken Ishiwata Signature series. Now just why this line is denied to the American market I'll never understand, because the products win rave reviews and limitless kudos in every country where they're sold. Ishiwata himself is the first-ever (to my knowledge) Japanese audio designer to metamorphose into a hi-fi celebrity, so much so that his

face is featured in the company's advertisements and on a range of his own tweaked editions of standard Marantz models. And it's not as though the standard versions aren't available in the U.S.A. . . .

Ken's handiwork first appeared on versions of Marantz's budget-tagged Special Edition, or "SE," components. He has been well-known to the European press for many years, having lived in Europe for a couple of

decades, so none of us were surprised to learn that he masterminded, say, the conversion of the excellent CD-63 Mark II into the giant-killing CD-63SE. It was never kept secret, and neither Marantz nor parent company Philips ever made any bones about the press turning Ishiwata into a star of sorts. But we knew that he had attained the audio equivalent of a state of grace when the

CD-63 MkII K.I. Signature appeared, "K.I." standing for You-Know-Who.

And just what constituted a Signature version? To a basic CD-63 was added a new chassis made of thicker steel, which was then copper-plated, Ken being especially partial to copper. An extra bottom plate increased the rigidity, the transformer was beefed up, and more. To follow this, Marantz allowed

**The Japanese adore huge, horn speakers like this Tannoy Westminster TW.**

Ishiwata to work his magic on the PM-66 integrated amplifier, the K.I. version featuring a better transformer, a copper-plated chassis (natch), hard-wiring, "audiophile components," and new coupling components. So far, so affordable.

Then came the CD-17 K.I., which introduced the Ishiwata touch to products selling for four figures, albeit only the low four figures. Along with the goodies present in the less expensive CD player came new internal digital screening, more robust end-panels, an oxygen-free-copper AC cable, a separate independent analog output stage, and other bits and pieces.

All of this is more than just a touch of Hollywood. You can't even grumble about ads that tell you that now you can use the hi-fi equipment that Ken Ishiwata uses at home. This stuff is terrific; I've been using a CD-63SE ever since it was introduced, and I have the other two pieces lined up for review back in the U.K. But not here in the U.S.A., because you've been denied it.

Tannoy's story is slightly odder, though the company is working feverishly to re-establish itself in the U.S. domestic market. I gather that its professional business hasn't suffered a lull, and I should watch what I say about the company's plans for the U.S.A. in case I'm all wrong. But you really should know about what was launched in Europe in July, just so you can nag the U.S. division.

The hot new products appeared at either end of the scale. For those handicapped with a surfeit of cash—say, uh, a small BMW-like surplus—there is the Kingdom, which has already had a year to itself in Japan. The Japanese so adore Tannoy that the company was prepared to give them an exclusive. And it paid off to a tune that would induce envy in the most arrogant and seemingly successful of traditional high-end speaker-makers. In brief, this is a



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Corey Greenberg, *AUDIO MAGAZINE*  
August 1997

"... recordings made with the DSM system do indeed throw a (remarkably) believable stereo soundfield when played back through a pair of loudspeakers... The results were astounding. Shockingly real sounding and as musically involving as any recording on any source I've ever had in my home."

Art Dudley, *LISTENER MAGAZINE*  
Autumn, 1996

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Ty Ford, *RADIO WORLD*  
November 27, 1996

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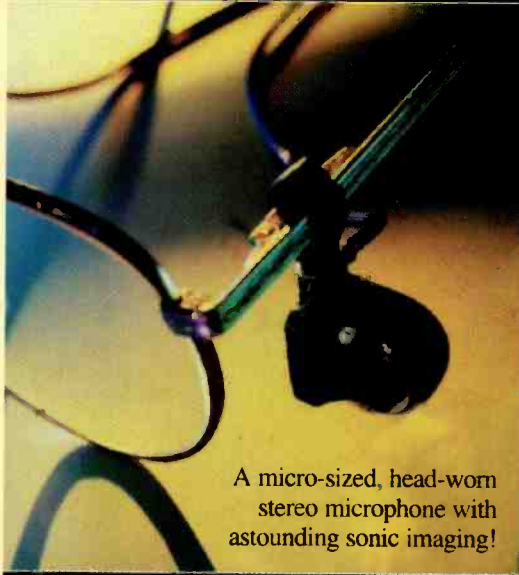
Russell Bruner, *Sound Engineer*  
*FILM & VIDEO*, August, 1992

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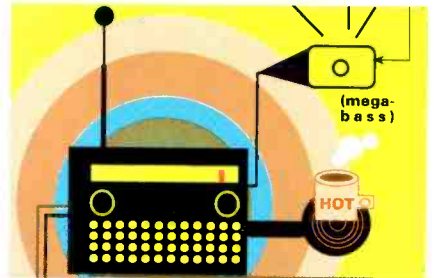
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monster of a floor-stander, measuring an imposing 54½ x 30½ x 25½ inches and weighing 375 pounds apiece. The drivers? An 18-inch sub-bass driver said to deliver sound down to 16 Hz, a dual-concentric driver with an 11¾-inch midrange covering 100 to 1,100 Hz, and a tweeter noteworthy for its 6-pound magnet, topped by a 1-inch ceramic supertweeter good for 44 kHz. But



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forget all that stuff. The hot spec is this system's sensitivity: 92 dB output for 2.8 volts at 1 meter. Oh, and a 750-watt maximum peak input, which means 121 dB SPL at 1 meter. You can almost hear the single-ended triode guys checking to see if their floors can handle a Kingdom.

At the other extreme is the family of speakers spawned by Tannoy's scandalously underpriced Mercury M2, a two-way bookshelf speaker so good that it's scooping up awards all over the place. It's *criminally* good, for a price of less than \$250 *per pair*. Now it's been joined by a smaller version, the M1, perfect for surround-channel duties, and—yup, you guessed it—a center-channel version and a floor-stander. (I hear the U.S. market is now about to get the M1 and M2.)

Confession time: I wasn't looking when Tannoy personnel exchanged the Kingdom for the Mercury M2. And I didn't notice an immediate difference when the latter was played, either. Er, uh, blush.

Here's hoping that both companies find their way to releasing these latest treasures stateside. If it's any consolation, the last U.S.-only TV set I saw that made me wish I still lived in Maine was... a Marantz. A

AUDIO/OCTOBER 1997



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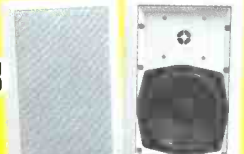
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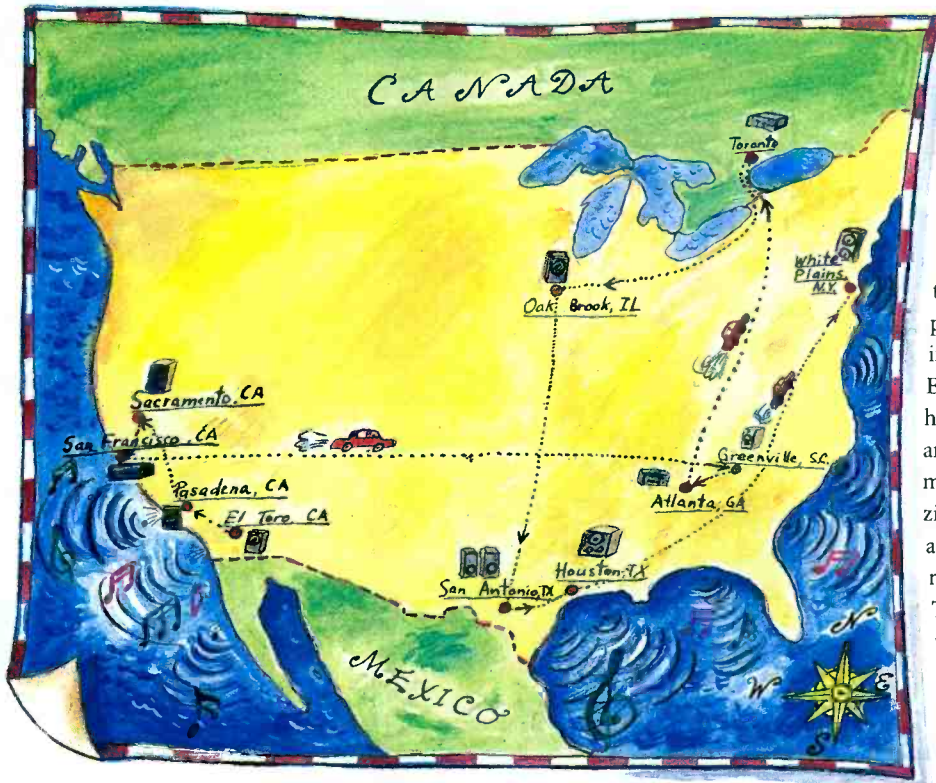
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COREY GREENBERG

# ON THE ROAD: THE COREY TOUR DIARY



To celebrate its Golden Anniversary, Audio sent Corey Greenberg on a three-month, 16-city tour of specialty audio retailers to give presentations on all things audio. Here, minus the obviously fabricated accounts of hot groupie action, are excerpts from Corey's diary.—Ed.

**E**l Toro, Cal., April 17, Genesis Audio—I'm driving to El Toro, projectile-sweating over the interior of my rental car and downing Juicyfruits, box by jumbo box. Nervous? Why should I be nervous? I have zip in terms of a presentation (beyond the seven minutes of video that the magazine put together to celebrate *Audio's* 50 years of publishing). So I'm taking all my

money and betting it on the Q & A, figuring that, like my own experiences back in school, people will prefer lively discussion to a boring lecture. But I've never attempted doing anything remotely like this before! No wonder the sweat's jumping off my skin like water on a hot wok.

Well, the session's over, and I seem to have pulled it off successfully, somehow. Nobody stood up and shouted "Fraud!" or "Mountebank!" In fact, we all had a really good time. Bill Anderson and the rest of the

Genesis Audio folks couldn't have been easier to work with, we got a great turnout (60 attendees), the people asked intelligent, perceptive questions about the magazine, new technologies, and specific hi-fi buying advice, and the allotted hour flew by without apparent effort. I mean, I pitted out my brand new Abboud jacket over this?

**Pasadena, Cal., April 18, GNP Audio Video**—Whereas Genesis Audio is an upscale home theater dealer with a thriving custom-install business, GNP Audio Video is more of an old-school, mom-and-pop-run, high-end salon, with a wacky physical layout that forced us to cram about 65 people, most of them standing, into a lobby the size of my office. Even so, the event itself was a hoot, with a more lively audience and even a couple of heated arguments about whether print magazines like *Audio* are dead in the age of the Internet and its hi-fi-related discussion forums. Yah. There were a lot of laughs, and we ended it on a great note by giving away an expensive pair of Martin-Logan electrostatic speakers to a guy who looked like he'd just won a night with the Doublemint Twins. Actually,

given the makeup of the audience, he'd probably take the speakers over the girls and wonder why anyone would choose differently.

**Sacramento, Cal., April 19, Audio FX**—We had another very large turnout for the Sacramento event, with at least 75 people sitting

very comfortably all over Audio FX's expansive main floor. The audience was a bit more sedate than the wild, sun-baked audiophiles in Pasadena, although one weird guy came up to me before the event and,

**IT'S SO EASY  
FOR REVIEWERS  
TO LOSE TOUCH WITH  
WHAT READERS TRULY  
WANT TO KNOW ABOUT.**

Illustration: Beata Szpura

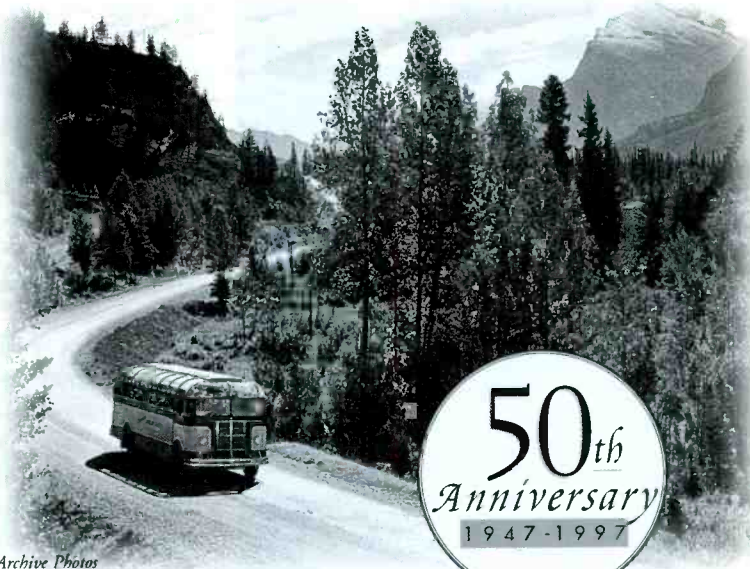


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WED., SEPT. 17TH 7:00 PM	AUDIO PERFECTION 7401 LYNDALE AVE. S. MINNEAPOLIS, MN 55423 (612)866-0083	WED., SEPT. 24TH 7:00 PM	MYER-EMCO 11611 OLD GEORGETOWN RD. ROCKVILLE, MD 20852 (301)468-2000	WED., NOV. 5TH 7:00 PM	CHELSEA AUDIO VIDEO 3700 SOUTHWEST HALL BLVD. BEAVERTON, OR 97005 (503)641-3533
THURS., SEPT. 18TH 7:00 PM	SOUND HOUNDS 333 EAST ALAMEDA DENVER, CO 80209 (303)722-3200	THURS., SEPT. 25TH 7:00 PM	WORLDWIDE STEREO 754 ROUTE 309 MONTGOMERYVILLE, PA 18936 (215)368-8343	THURS., NOV. 6TH 7:00 PM	MAGNOLIA HI-FI 6308 ROOSEVELT WAY N.E. SEATTLE, WA 98115 (206)525-1961
FRIDAY, SEPT. 19TH 7:00 PM	ABT ELECTRONICS 9000 N. WAUKEGAN RD. MORTON GROVE, IL 60053 (847)967-8830	FRIDAY, SEPT. 26TH 7:00 PM	TWEETER ETC. 350 BOYLSTON STREET BOSTON, MA 02116 (617)262-2299	FRIDAY, NOV. 7TH 7:00 PM	AUDIO VIDEO CITY 3201 WILSHIRE BLVD. SANTA MONICA, CA 90403 (310)453-5355

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after a bit of conversation, asked me where I lived. "Actually, I just moved," I said, hoping that was enough. But he asked me again, this time moving just a little bit closer. I looked at him very carefully, especially his hands, and gave him a line about it being against magazine rules to disclose our private addresses. He paused for a second, as if he needed time to make sense of the words, then his face suddenly contorted like he was hit with a Slurpee headache, and he buried it in his hands before jutting it out again and blurting "Oh Lord! I'm not one of those crazy guys!" We're getting married in June.

The event went okay, but there was no beer or wine to loosen the people up beforehand. So there were a lot of painful lulls where I'd look out into a sea of blank, silent, sober faces and then babble incoherently just to fill dead air. The questions would start up again slowly, but I made a mental note: Make sure there's booze at all future events.

**San Francisco, Cal., April 20, Performance Audio**—Another small high-end salon. Sacramento taught me that no beer and wine = a less talkative audience = nervous, involuntary babbling by me to fill in the empty spaces = a pitted-out Abboud, so I made sure we had some sauce on hand. The audience was smaller (30 to 40 people) and definitely tilted more toward questions about high-end audio than home theater. This event can be *Reader's Digest*ed by one guy's rapid-fire question as I was leaving the store to catch a cab to the airport: "Corey, one last question: Avalon-speakers-Wadia-D/A-Wadia-transport-AT&T-glass-fiber-link-Rowland-amp-CAT-Signature-preamp-Golden-Dragon-input-tubes-Card as-speaker-cable-Cardas-interconnect-Tice-line-conditioner-what's-my-weak-link?" I wanted to reply, "Golden Dragon input tubes in a system with an AT&T digi-

tal hookup?! Don't insult me with a question like that, you ignominious cur!" but as I'd placed my testes in a blind trust before the tour I just squeaked, "Gee, sounds like a great system to me!" then hated myself the whole ride to the airport.

**Greenville, S.C., May 1, American Audio**—Ah, the Deep South. I felt like belting out Elvis's version of "Dixie" as I flicked on the hotel TV and the first thing I saw was an ad for the Bible. "Our owner is a very religious person," American Audio's manager told me, profoundly disturbed at my suggestion that we run out to get some booze for the event. I felt bad, wicked, circumcised.

This turned out to be a quiet event, as the DVD hoopla had not quite made it to Greenville yet. There was, however, one very nice gentleman who wanted to know about the "Splat-a-lizer." I asked him if

**ONE VERY NICE GENTLEMAN WANTED TO KNOW ABOUT THE "SPLAT-A-LIZER."**

he meant the stereo-enhancement processor known as "Spatializer," but he said no, he knew what that was, but he wanted to know about the Splat-a-lizer and whether I thought it would be a good thing to add to his system. My fear is that there really is a Splat-a-lizer and that every member of the Greenville militia has one hanging on his belt, ready to use it on the next hi-fi writer who comes to town.

**Atlanta, Ga., May 2, Hi Fi Buys**—Now this is the kind of store I can get excited about. Far from the dark, snobby hi-fi huts of my youth, Hi Fi Buys is the model of what an audio/video specialty retailer should be in the '90s. The staff is large, cheerful, and intelligent, and they treat their customers who want to buy DSS systems and Walkmans with the same care they do the people who want to hear the \$70,000 Meridian Digital Theatre. I'd send my mom to this store, secure in the knowledge she'd be well taken care of. As the event drew to a close, I suggested that the audience grab a





demo of Meridian's Digital Theatre system in the store's main listening room, and I swear all 75 people crammed into the room as soon as the giveaway was over. This event was a smile from start to finish.

**Toronto, Canada, May 10, Audio One**—This was one of the best events on the tour, because Toronto audiophiles are the greatest! Sorry, my fellow Americans, but these Canucks are homo sapiens, and we're chimps. For starters, they don't fall for any of the tweeky fads-o'-the-month we seem to go for on this side of the icy border: You don't see any \$100 magic drink coasters up there. You don't really see any hi-fi tomfoolery of any kind; what you see instead is solid, no-nonsense, perfectly logical hi-fi such as Bryston, Audiolab, and of course, the event's cosponsor, Toronto's own Paradigm Loudspeakers. It was such a pleasure to rap with these hard-nosed, no-hogwash audio hosers—these are my kind of people! The

**CANADIANS DON'T FALL  
FOR THE TWEAKY  
FADS-'O-THE-MONTH WE  
SEEM TO ON THIS SIDE  
OF THE ICY BORDER.**

session lasted over two hours and it felt like about 10 minutes.

**Oak Brook, Ill., May 15, United Audio**—After headlining a string of appearances on this tour, I suddenly found myself working the crowd as the opening act for the man they really came to see—Definitive Technology's Sandy Gross. Oh, the people were polite when I was doing my thing, but when the store's manager took the mike and shouted, "Oak Brook, Illinois, are you ready to rock?! Will you please welcome Sandy!" the place went wild. A couple of kids passed me as I was leaving the hotel ballroom that United Audio had rented for the event. "Are you one of Sandy's roadies?" they asked me, and went right back to talking to each other when I said I wasn't.

**San Antonio, Tex., June 6, Bjorn's Audio Video**—When I saw Bjorn in San Francisco a few weeks before the event, he asked me if I could come to San Antonio a little earlier than planned so we could do two shows to accommodate the response. So I show up,

and now we're up to *three* shows, one right after the other. What am I, Julie Andrews? But Bjorn's a Texas friend from way back, so I coated my throat with cherry Cepacol and vermouth and croaked my way through. As expected, each audience was bigger and more lively than the last one, although during the first event, my big ice-breaker—"So, is David Robinson the Ralph Sampson of the '90s?"—was met with stone faces. I 86'd it for the last two shows, instead substituting "Hey, how 'bout that Alamo, huh people?" to great response. There was

also a mysterious beautiful woman who came by herself to the last event, to the utter bafflement of every audiophile in the room. Necks turned so fast they got cricks. I was afraid to talk to her afterward, for fear she'd say, "Take me, Sandy!"

**Houston, Tex., June 7, Home Entertainment**—In many ways, this was the typical Corey Tour event. The two things that drew the most questions, in Houston and all the other stops on the tour, were DVD and HDTV, period. There were a few scattered questions about DTS versus Dolby



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Digital, magazine ethics, and the like, but the main topic on everyone's mind on this tour was digital video—the present and the future.

*What did I think of the new DVD system's picture quality?*

I think that, overall, it's better than laserdisc now, with room for even better picture quality as MPEG-2 video encoding keeps improving. As it is now, DVD is the closest consumer video format I've seen to D-1 and D-2 professional video. I'm a big fan of DVD, and I'm having a blast with it at home.

*Should I buy a big-screen TV now, with HDTV right around the corner in '98?*

First of all, anyone who says HDTV will arrive in '98 is kidding himself. Everyone in the industry knows this. Excepting little tests here and there, don't expect to see HDTV in any significant way much before the turn of the century, and even then it's going to take years for even half the programming to make the jump to high-def. Don't get me wrong—HDTV has the potential to be awesome. But the reality is that it's still a long way off, and that means that for most of us, the new TV you buy today will last you five or 10 years before you'll be ready and willing to upgrade to an HDTV set. With big-screen TV prices at an all-time low, it makes no sense to wait for HDTV, unless you want to wait another three years at the very least for both plentiful programming and sets you can afford.

*Why are there pit stains under the arms of your blazer?*

It's the latest trend from Milan's most daring fashion houses. Next question?

**White Plains, N.Y., June 22, Lyric Hi Fi**—The final stop on the Corey Tour. I had a pile of mail, a mountain of dirty laundry, and two hungry cats waiting for me when I got home, but I was ready to stop the Willie and Waylon tape and get back to

my real job, which is opening tins of Fancy Feast and listening to the Fairfield Four for the umpteenth time on yet another pair of new speakers.

We had a nice crowd at Lyric's upstate store, but my favorite was this nice old man who kept pulling yellowed clippings from amp reviews with the power measurements highlighted in different colors and asking

me math questions relating to amplifier power versus decibel levels. "If I compare a 95-watt amp to a 100-watt amp, how much louder will amp B be?" Big Blue I'm not; my math skills are more on the Blue Toilet Duck level. I said, "I'm not sure, how about a halfpenny louder?," and this seemed to make him happy. If only life were this easy.

But even though I was psyched to get off the road, I was sad the tour was finished.

It's not every day you're dumb enough to order "Chinese Chicken Salad" from room service in Greenville, South Carolina, and get exactly what you deserve—uncooked spaghetti swimming in La Choy sweet-and-sour sauce.

Nevertheless, I had a great time on this bi-coastal, bi-country tour. It's so easy for reviewers to lose touch with what readers truly want to know about, and meeting so many people on this tour and hearing what's on their minds helped shape my upcoming coverage in so many ways I can't begin to list them. By the time you read this, we'll have cooked up Corey Tour II, so I hope we'll be able to hit your local hi-fi dealer this fall and meet up. To all the dealers and manufacturers who put their time and energy into making this tour so much fun for me and their audiophile neighbors, I thank you. And to all the readers I met along the way, thanks for keeping me on track, and I look forward to seeing you again on the next tour. A



**I'M A BIG FAN OF DVD, AND I'M HAVING A BLAST WITH IT.**



# 1997

**ADCOM**<sup>®</sup>



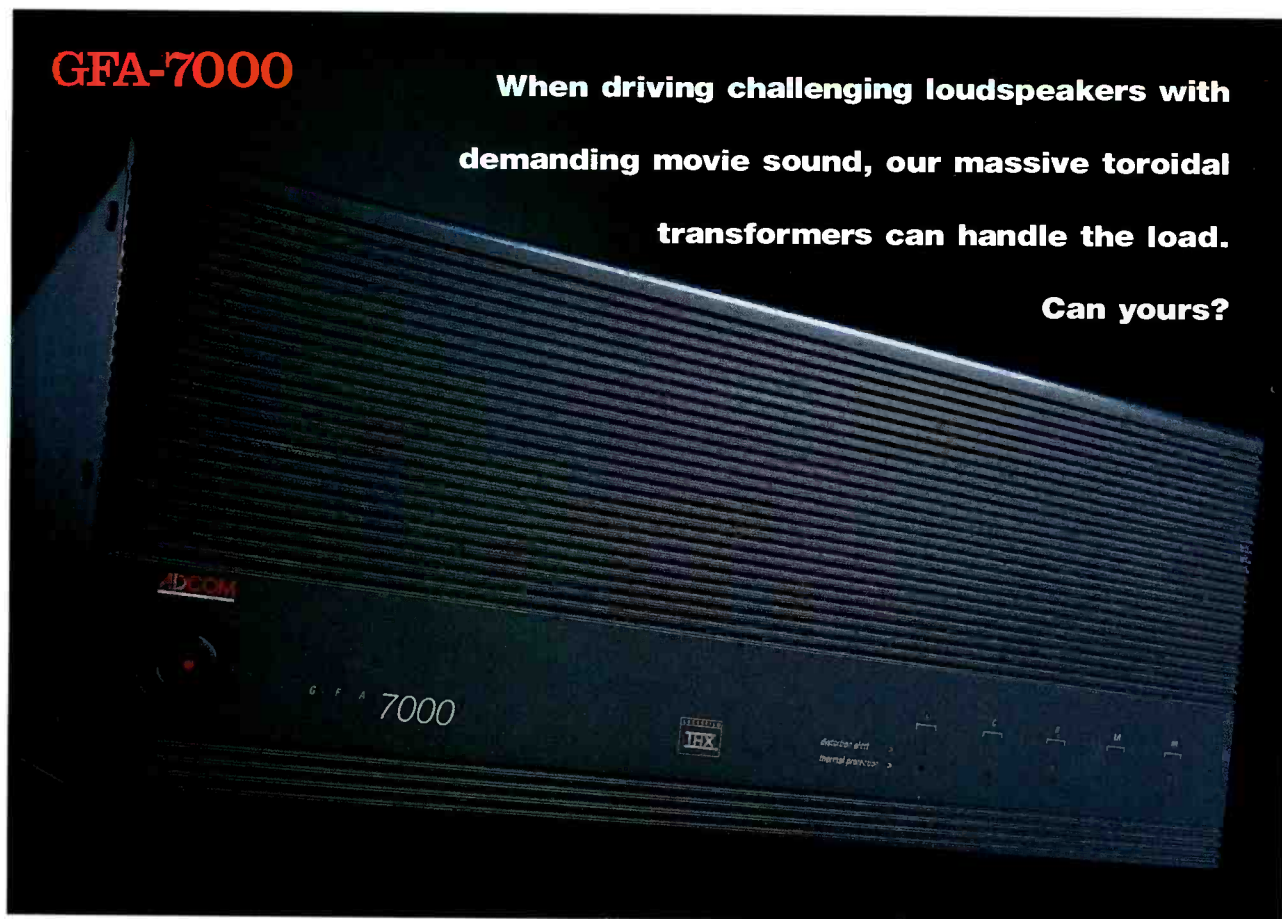
# amplifiers

## home theater amplifiers

### GFA-7000

When driving challenging loudspeakers with demanding movie sound, our massive toroidal transformers can handle the load.

Can yours?



**T**oday's movie soundtracks demand more than conventional home audio systems can deliver. That's why ADCOM developed the Home THX certified GFA-7000 power amplifier.

To earn THX certification, an amplifier must deliver clean, powerful sound effects, dialogue, and musical scores under all room and speaker-load conditions. But ADCOM's engineers went beyond the stringent requirements of THX and created a home theater power amplifier that meets the demands of the world's most critical audiophiles as well.

The GFA-7000's five mono modules produce 130 watts into 8 ohms and over 200 watts into 4 ohms from all five channels. This "five-mono-amplifiers" design guarantees the sonic integrity of each channel by completely eliminating inter-channel crosstalk and ensuring full power with low distortion from each individual channel, regardless of speaker impedance or efficiency. The GFA-7000 features a heavy-duty 2,000-watt toroidal power transformer with five separate secondaries. In addition, the

120,000 $\mu$ F total storage capacitance bank will easily deliver the large amounts of current demanded by today's power hungry, low impedance THX speaker systems. This oversized and generous power supply allows maximum power output over a wide and unrestricted dynamic range of the ever increasing number of digital audio and audio/video recordings.

And because ADCOM designs products for tomorrow as well as today, the GFA-7000 has been designed to meet all the new DOLBY AC-3 requirements, including full-bandwidth response down to the lowest frequencies.

You can be sure, whether you're listening to movies or music, the GFA-7000 is the perfect choice for any stereo or multi-channel home theater system, especially if you want the movies you play at home to sound as live and exciting as their filmmakers intended.

Hey, you deserve it.





**GFA-6000**

Custom tailor your soundfield for optimum enjoyment of any source, regardless of your room's acoustics. **You can** digitally recreate the different characteristics of a stadium, concert hall, large theater, or nightclub. Without leaving the relaxing comfort of your favorite chair. Hey, life is too short. Maybe it's time you started to **maximize the quality of your downtime.**



**GFA-5503**

Creating the big, room filling sound of a true home theater system doesn't mean you need an oversized amplifier. That's why ADCOM's GFA-6000 five-channel power amplifier was specially designed for the home theater customer who needs a compact yet powerful source for five speaker surround sound.

Powered by an enormous toroidal transformer with multiple secondary windings, the GFA-6000 is capable of driving 100 watts into the three front channels and 60 watts into two rear channels. Power of this magnitude is usually only achieved by connecting multiple amplifiers. But with the GFA-6000 you get all that power in a compact package at an affordable price.

Listen to a home theater system built around a GFA-6000 and you'll hear a level of clarity, imaging, and depth that can only be found in amplifiers costing two and three times as much. Its uncompressed dynamics and distortion free soundfield make the most of any size room. The GFA-6000 adapts the sound to fit your environment, so every entertainment event sounds as large and dynamic as the original performance.

And because it's an ADCOM, the GFA-6000 is as easy to use and understand as it is pleasurable to hear. All RCA input connections are gold-plated for the highest quality sound reproduction and all controls are ergonomically configured for easy operation.

Dollar for dollar there isn't another five-channel, home theater amplifier that can deliver this level of power and performance. With ADCOM components, great sounding home theater is definitely within earshot.

# amplifiers

## stereo amplifiers

### The new GFA-5802

Before you buy an  
expensive amplifier,  
read the fine print.



**A**DCOM's dedication to uncompromising sonic reproduction, innovative circuit design, and the highest quality electronic parts guarantee that, dollar for dollar, you're getting the best value in the audio world. At 300 watts per channel into 8 ohms and 450 watts per channel into 4 ohms, our new GFA-5802 combines innovative all MOSFET circuitry with a tremendous power supply to outperform the so-called "super amps" retailing for two to three times the price.

To produce this remarkable amplifier, ADCOM started with an enormous toroidal power transformer. Totally separate secondary windings and independent ground connections ensure each channel is completely isolated from crosstalk and AC line interference. Lots of clean power for lots of clear and powerful sound. Even the neighbors will enjoy it.

In addition to the GFA-5802's main toroidal transformer, a separate front end transformer is also used. This additional device isolates the front end input stages from the main output section so any peak demands from the output stages will not decrease the operating voltages for the input sections. This design also contributes to improved separation at the inputs for precise soundstaging and imaging.

ADCOM's new GFA-5802 power amplifier also has exceptionally large capacitors to store large amounts of reserve current for supply to the speakers. This large storage capacity means that the amplifier won't be starved for power when you're driving low impedance and/or inefficient speaker systems. Now your speakers and your music can sound the way you expect them to.

All the time.



The well organized and simple design of the GFA-5802's glass epoxy circuit boards ensures outstanding and reliable operation. Using only single ended Class "A" circuitry in the front end, the ADCOM GFA-5802 delivers the pure sound that other amplifiers can only talk about. All devices are precision matched for maximum performance, negligible distortion, and higher output currents.

We use only International Rectifier HEXFETs transistors in the signal path of the ADCOM GFA-5802. These HEXFET circuits are reference grade, hybrid MOSFET transistors which reproduce all the punch and muscle of bipolar devices but with the musical sound of tube amplifiers. And since the GFA-5802 has only three gain stages it outperforms comparable amplifiers which usually have five stages or more. The shorter the path of power resistance, the better the sound.

The GFA-5802 comes with versatile binding posts for easy speaker hook up. Accepting either standard stripped or "tinned" wires, single or dual banana plugs or spade lug connectors, the GFA-5802 is a great match for any system. And since it can drive virtually any speaker system regardless of its impedance, even the most demanding speakers will sing beautiful music. Additionally, the GFA-5802 also comes equipped with two sets of binding posts for each channel. These extra binding posts allow the GFA-5802 to accommodate speaker systems that have "bi-wire" compatibility.

ADCOM makes sure that the sound created by your other components can be flawlessly transferred to the GFA-5802's balanced power and optimum circuit technology. The GFA-5802 is equipped with two types of input connectors for complete compatibility, high quality gold-plated RCA jacks and XLR jacks. The GFA-5802's

professional grade three pin XLR jacks provide positive, negative, and shield properties. The result is a balanced line connection between the GFA-5802 and your other components. This connection is essentially immune to electromagnetic and radio frequency interference and provides a significant reduction in common mode noise.

Dependable technology and efficient use of the highest quality parts make the GFA-5802 one of the most sought after audiophile products in recent years. And because it's an ADCOM component it will benefit from a high resale value and an outstanding dealer service network. After you hear the GFA-5802 you'll agree that it's

an incredible value in high-end audio.

Through a combination of technology and innovative engineering techniques, the ADCOM GFA-5802 is quite possibly the best amplifier you may ever hear. From its toroidal transformer and giant capacitors to its reference grade HEXFET circuitry, the ADCOM GFA-5802 is built to be the best amplifier money can buy.

Your ears will thank you. And so will wha's between them.

**“Adcom<sup>®</sup>**  
power amplifiers  
provide a mix of  
**power**  
**& sound**  
quality that is  
untouchable  
at anything close  
to the price.”

-Audio Magazine

**T**he power amplifier is the foundation of every high performance audio/video system. It is also the foundation on which ADCOM built its reputation for performance and value. The GFA-5200, GFA-5300, GFA-5400, and GFA-5500 are the powerful result of new technology built upon our solid foundation of engineering excellence.

The MOSFET outputs are acknowledged worldwide for their ability to amplify harmonics, musical texture, and extended bass with unequaled accuracy. The circuit design with a larger and quieter toroid power transformer and oversized power supply capacitors, deliver the large amounts of current demanded by low impedance speaker loads. The pure simplicity of the design helps to keep the damping factor high to maximize speaker

control and ensure clear and uncolored sound at all frequencies.

Using single ended Class "A" circuitry in the front end, the GFA-5500 amplifier delivers the warmth and smoothness other amplifiers can only envy. The highest quality circuit boards are another testament to ADCOM's commitment to combining the finest level of components to create outstanding performance.

The GFA-5500's ability to deliver more power and more current and to drive virtually any resistive/capacitive load up to its rated output gives you an amplifier that is designed to excel under conditions imposed by even the most demanding speakers.

And the most demanding audience.

You.



**When building something that lasts  
start with a strong foundation.**



# GCA-510

**Sonic excellence.**

**Affordable price.**

**Quite a formidable combination,  
if we do say so ourselves.**



ADCOM amplifiers are often the choice of knowledgeable audio purists because of their reputation for sonic excellence at a sensible price and for their extraordinary levels of stability and reliability even when driving challenging loudspeakers with demanding source material. Now, ADCOM's GCA-510 Control Amplifier brings new levels of value to the high performance market.

The GCA-510 combines a groundbreaking "High Gain" power amplifier section with input selectors and a precision attenuator in a model of innovative simplicity. In completely eliminating the need for a conventional preamplifier section, the GCA-510 pushes aside the limitations inherent in

combining, in one chassis, both a high current, high voltage power amplifier and a low current, low voltage preamplifier.

The GCA-510 benefits from ADCOM's typical attention to quality parts. Precision attenuators and highest grade passive switches contribute no disturbing colorations of their own but also keep the signal path as simple and pure as possible.

The amplifier's circuit topology includes a two stage discrete front end with doubly regulated and temperature compensated active constant current bias sources for exceptionally stable performance from DC to ultrasonic frequencies.

The GCA-510 will drive a difficult, fully phase shifted load with the same minimal distortion performance exhibited with a purely resistive load. Precise loudspeaker control is further assured by the intentional elimination of output coils to provide a constant high damping factor over the entire audio range.

For many who have moved to today's most popular music sources (CD players, VCRs, FM broadcasts, and tape) this revolutionary approach combines the functionality of an "integrated amp" with a satisfying and economical approach to high-end performance. The GCA-510 brings refreshing new thinking to age old challenges giving you uncompromising performance.

So why compromise?



# preamplifiers

## The new GFP-750

Your ears will forgive you for bypassing all the unnecessary features and all their sonic penalties.



**A**DCOM's new GFP-750 stereo preamplifier answers the music enthusiasts' needs for the finest quality audio reproduction while providing an easily used bridge to the rapidly expanding world of multi-channel surround sound.

The GFP-750 has virtually no sonic signature of its own. It's a purely passive attenuator/switcher or, at your option, an active preamplifier. In passive mode, the signal sees only input switching and the high resolution attenuator. For active gain functions, we specified circuit simplicity, zero feedback, true differential balanced audio signal paths, MOSFET devices throughout, user convenience, and an intuitive, non-intrusive way to move to multi-channel sound (whew!). But our first requirement was to be utterly faithful to the audio source. Our engineers responded with a design that uses only one active gain stage implemented exclusively with International Rectifier's reference grade discrete HEXFET transistors. The GFP-750 boasts extraordinary bandwidth, low noise, virtual immunity to RF interference, and immense stability. Full remote control and a unique volume control bypass circuit for surround sound use, complete the picture.

The GFP-750 features balanced (XLR) and single ended (RCA) inputs for CD as well as single ended inputs for four additional line level analog sources. Independent balanced and single ended outputs allow easy interface with almost any amplifier(s) or

powered loudspeaker(s).

The output stage functions as a pure current source, making the GFP-750's performance load-invariant regardless of interconnect characteristics or amplifier impedance. In typical ADCOM fashion, the GFP-750's massive high current power supply features a large toroid transformer with multiple secondary windings for each channel. Individual voltage regulators are mounted on finned aluminum chassis extrusions for maximum heat dissipation. Specially chosen storage capacitors located close to individual circuits insure responsive voltage supply to all active elements.

For audiophiles contemplating an eventual move to home theater, the GFP-750 features a uniquely located and buffered external processor loop ideal for adding a surround sound processor. You simply engage the processor loop with the front panel switch. This bypasses the GFP-750's precision, four-gang attenuator totally and lets the surround processor's master level control maintain the precise front-to-rear channel balance necessary for movie theater quality sound reproduction.

Regardless of application, all users will benefit from the exceptional care shown in circuit layout and implementation. The GFP-750, developed to satisfy the most sophisticated and critical aural tastes, will serve superbly as a cost-effective and flexible control center in a wide variety of system configurations.



## GFP-555II



**T**oday's digital material demands exceptional performance levels from all the components in a music system. The GFP-555II Preamplifier meets these demands head-on with a design that allows full appreciation of the latest recording technologies.

But superior sound alone isn't enough from ADCOM. The GFP-555II's design and stringent parts selection ensures long term integrity and your continued enjoyment. Proprietary linear gain devices complemented by high precision Roederstein 1% metal film resistors and metal film capacitors help reduce noise and distortion to inaudible and almost unmeasurable levels.

An oversized, low output impedance power supply contributes to outstanding musical dynamics by supplying unvarying operating voltages to all circuitry stages.

Ergonomics? The front panel is intuitively inviting yet allows full and accurate control of up to six sources. Separate

recording and listening selectors increase flexibility while an independent external processor loop facilitates addition of a surround sound processor or frequency equalizer. An internal high current amplifier provides sufficient drive for headphones, making private listening very easy.

MAIN and BYPASS outputs allow you the versatility of choosing the convenience and stability of tone controls, filters, and capacitor coupling, or the ultimate signal integrity achieved by bypassing all but absolutely essential circuitry for the most direct signal path.

The GFP-555II's design objective combines the best ADCOM sound quality with the ultimate consumer benefit...a modest level of cost.

And that's a combination that's sure to bring a smile to your ears. And...all together now...what's between them.

**"Adcom® has embarked on a different philosophy, believing that a well-engineered product should be viable for years to come."**

## GFP-345

**-Stereophile**



# tuner/preamps

GTP-600



**The clear choice for a unique combination of high-end sound and full featured ease.**

**T**he overall performance of integrated components is seriously compromised for the seeming advantage of all-in-one convenience. Neither receivers nor integrated amplifiers are equipped with the heavy-duty, high current, high voltage power supplies available in the best separate power amplifiers. First of all, there just isn't enough space. More importantly, there are technical limitations. In a receiver or integrated amplifiers, such supplies would generate unacceptable levels of heat and hum. And the high signal levels found in the power output stages create a source of noise, crosstalk, and preamplifier instability. Obviously, heat and noise-generating elements shouldn't be operating in close proximity to tuner and preamplifier circuits. However, this is exactly where such elements (scaled down, to be sure) are found in receivers and integrated amplifiers.

Demonstrably superior quality along with flexibility and affordability is what we now offer in all our Tuner/Preamps. The GTP-600, GTP-450, and GTP-350 combine an exceptional tuner and preamplifier on one chassis, conceived and designed for use with a wide choice of separate power amplifiers.

Simply stated, we've kept the low current, low voltage elements totally isolated from the high current, high voltage elements (as they should be) and may always be from now on in

quality components. At the same time, we've achieved something else that you can appreciate without a technical background. You can now have all the low distortion power you are ever likely to need or want, from a conservative 50 watts per channel to an awesome 300 watts per channel, continuous, at any time you need it, not just for milliseconds! All with a matching high performance tuner/preamp to control and apply the power. And that's an absolute must for maximizing home theater systems and demanding sonic material.

You've already noted the most obvious advantage of having the tuner and preamplifier on one chassis and the power amplifier on another: the virtually unlimited choice of output power. If at this time, 50 watts per channel meets your needs, that's what you can have with our matching GFA-5200 power stage. If you need more power because of your new CD library, or less efficient speakers in a larger room you should audition our 125 watts per channel GFA-5400 or our 300 watts per channel GFA-5802. And since

ADCOM also offers a full range of multi-channel amplifiers from 60 to 200 watts per channel, your home theater system can grow with your needs as well.

ADCOM strikes again. Building thoughtful products today to meet your needs tomorrow.





# CD players

**A**DCOM's new GCD-750 single disc CD player was developed to satisfy the needs of music lovers and audiophiles who want nothing less than the best in audio CD performance and the newest decoding technologies of HDCD.

The GCD-750 starts with digital processing circuitry first developed for ADCOM's widely praised GDA-600 and GDA-700 stand alone D/A converters. The acclaimed Pacific Microsonics PMD-100 oversampling digital filter/HDCD decoder then processes the digital data. After oversampling and high-speed processing, the data stream feeds two differential pairs of 20-bit linear Burr-Brown D/A converters. This ensures full replication of even the most subtle musical nuance. The resulting analog signal, in turn, feeds a discrete high current differential output stage implemented with FET transistors, long recognized in audiophile circles for their unique combination of dynamic punch and tube-like smoothness.

In common with all ADCOM products, the GCD-750's power supply is substantial. In this "dual mono" implementation, two separate toroid transformers provide operating voltages for each channel's digital and analog stages through separate secondary windings. A full complement of high current regulators and over sized capacitors ensures proper operating voltages to all circuitry stages.

The GCD-750's disc transport is a rugged, high mass, three beam design optimized for superior vibration resistance. The chassis, along with the heavy gauge extruded aluminum face panel,

are carefully executed to provide additional stability, mechanical isolation, and damping. The resulting platform is exceptionally resistant to the deleterious effects of spurious resonances.

The GCD-750 features both balanced (XLR) and single ended (RCA) outputs to complement the input capabilities of any system control center. Future utility is guaranteed by a supplementary coaxial digital input designed to allow owners of auxiliary digital sources (DSS receivers or DVD transports with digital outputs) to enjoy the same exceptional sound quality with appropriate music programming. Convenience features include full remote control, custom programming, repeat modes, random play capability, and a clear calendar display of all disc cuts.

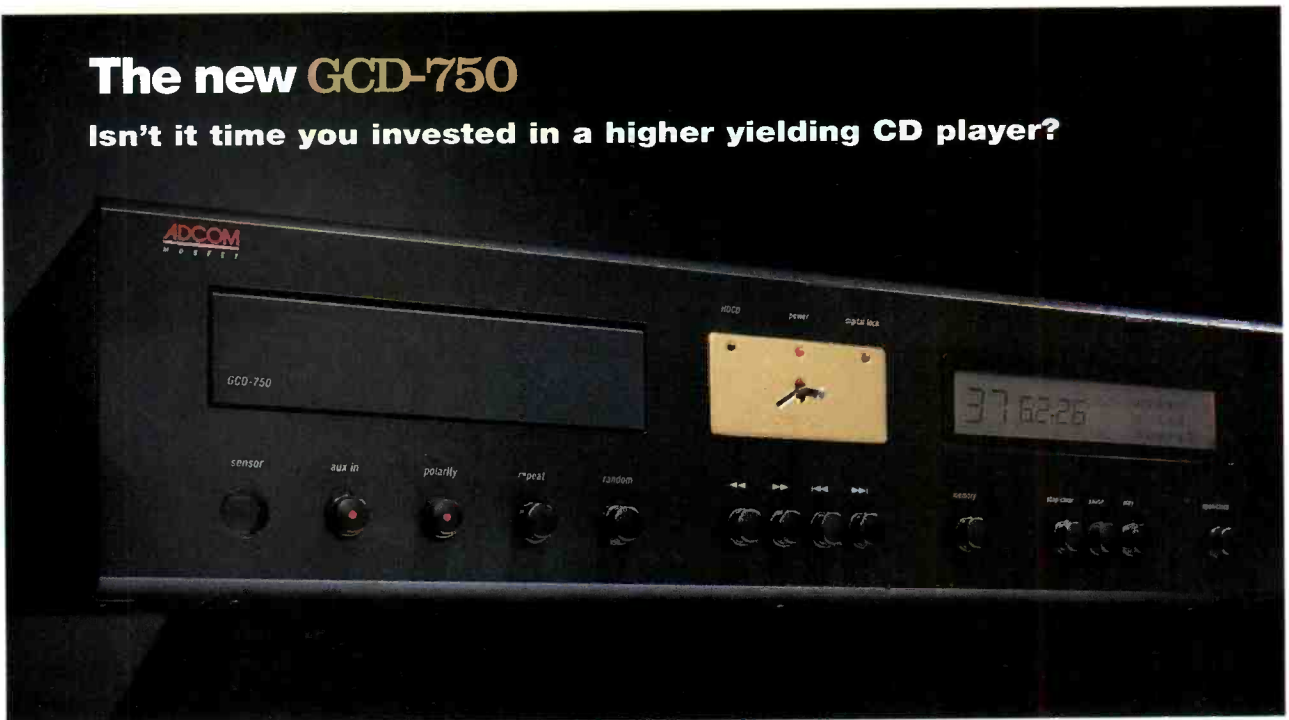
The GCD-750 combines everything we've learned about linear 20-bit D/A conversion and analog circuitry design with a rock solid CD transport. In addition to the audible advantages inherent in a properly executed "single box" player, the GCD-750 brings truly convenient operation and easy access to individual musical selections. The over specified power supply and FET analog circuitry delivers stunningly dimensional sound from any properly recorded compact disc and the HDCD decoding circuitry provides accurate reproduction of all HDCD encoded CDs.

Audition a GCD-750 today. Your ears will thank you.



## The new GCD-750

Isn't it time you invested in a higher yielding CD player?



**T**he design of the GCD-700 multi-disc CD player combines ADCOM's legendary engineering expertise with the newest analog and digital technologies available today.

Our entire audio circuit operates in pure Class "A" and employs ADCOM's proprietary operational amplifiers. This Class "A" design ensures the lowest levels of noise and distortion by avoiding the continuous turn-on and turn-off sequences of the audio circuit transistors. And the ADCOM op-amps offer a level of musicality usually associated with stand alone D/A converters and CD transports.

Our power supply in the GCD-700 starts with two transformers, one for the analog stages and one for the digital circuitry. Each is mounted on a separate circuit board assembly. By effectively isolating the two basic units that make up a CD player, we prevent the sonic pollutants of pulse noise, radio frequency radiation (RF) and electromagnetic induction (EMI) created in the digital circuitry from contaminating the audio signal in the analog stages.

In addition, more than 10,000µF of storage capacitance along with separating the analog and digital power supplies, allow for optimum operation. Compact discs with surface imperfections from fingerprints or scratches make much greater demands from the tracking servos and error correction circuits. These digital stage demands would compromise the dynamic range of the audio section in CD players with smaller power supplies.

The most prominent new technology used in the

ADCOM GCD-700 is the latest Burr-Brown 20-bit D/A converter. These DACs were chosen for their superior ability to recreate low level amplitude differences. This important, and not so subtle, conversion linearity is the key to the improved resolution of the sonic details in the audio signal. And the 20-bit, 8 times oversampling design ensures complete accuracy in reconstructing today's 16-bit data encoded software.

The ADCOM GCD-700 transport offers the best of both worlds in disc handling and convenience. Since the transport is thoroughly isolated, noise and vibration are minimized, yet four discs can be changed while still playing the fifth.

The GCD-700 also features two sets of gold-plated RCA coaxial outputs, one fixed and one variable, to maximize flexibility. The gain of the variable output along with the programming and all control features, including digital polarity selection, are fully accessible via the infrared remote control. A gold-plated coaxial digital output is supplied for those choosing to use an outboard digital-to-analog converter, such as the ADCOM GDA-700. And, naturally, because all ADCOM products are constructed to outlive as well as outperform the competition, the face panel is anodized, heavy gauge, extruded aluminum to enhance structure as well as appearance.

The GCD-700 exemplifies ADCOM's approach to audio engineering: high performance and high value. It's pure ADCOM.





# GDA-700

**Improve the quality of  
your audio and video,  
improve the quality of  
your life. Really.**



**W**hether you are an audiophile wanting to upgrade the performance of your CD player, or a videophile looking to improve the quality of your LD player, the ADCOM GDA-700 will add a new dimension to your audio and audio/video systems. You will experience a new level of life-like spatial soundstaging and fully realize the clarity and dynamics of a live performance. By vastly improving the digital-to-analog conversion process, the GDA-700 brings musical reality to the world of digital reproduction.

The GDA-700 is the first reasonably priced Digital-to-Analog Converter to offer the new High Definition Compatible Digital (HDCD) decoder from Pacific Microsonics. This decoder provides significant and qualitative improvements in the digital filtering of conventional CDs (the ones you already own) and of course, decodes the new HDCD encoded discs. The HDCD process eliminates the "additive" distortions created by the analog-to-digital conversion during recording and then the digital-to-analog conversion during playback. It also eliminates the "subtractive" distortions created when the musical signal is configured to fit into the conventional CD format of 16-bit words at a 44.1kHz sampling rate.

The input receiver of the GDA-700 is the Ultra Analog AES21 which is highly regarded for its signal accuracy and jitter rejection. Two 20-bit Burr-Brown DACs complete the digital-to-analog conversion.

The power supply is pure ADCOM. Two independent power transformers are on a separate circuit board assembly, including a low noise toroidal transformer for the analog section. And to assure you the cleanest and smoothest audio signal possible, the GDA-700 operates in pure Class "A".

To give the best possible performance and flexibility the GDA-700 has both balanced XLR and unbalanced RCA output connections which are gold-plated to ensure maximum signal transfer. And, as with all ADCOM components, the GDA-700 has an anodized aluminum front panel to enhance product stability and longevity.

The GDA-700 exemplifies ADCOM's forward thinking engineering, dedication to the newest technologies, and our ability to offer them all at reasonable prices. The GDA-700 is an unbeatable combination of performance and value.

Hey, what else would you expect?

# speaker selectors and other necessities

They're more than accessories...



inserts massive protective resistors between your amplifier and speakers to ensure that the load impedance is always within your amplifier's safe operating range. This low impedance protection enables your amplifier to drive several speaker systems simultaneously without activating the amplifier's or receiver's protection circuits or causing the amplifier to shut down.

In addition to Minimum Impedance Protection, both the GFS-3

and GFS-6 feature wide contact, heavy-duty switches capable of handling the full output of even a 200 watts per channel amplifier. High quality circuit boards with wide signal traces contribute to minimal power loss. Each speaker selector is easy to connect with twist-lock input and output terminals which ensure positive contact with both speaker and amplifier cables and prevent accidental disconnection.

Now with ADCOM's GFS-3 and GFS-6 Speaker Selectors you can fill your home with sound at the push of a button. Both selectors offer the security of ADCOM's unique Minimum Impedance Protection – a design that fully protects your amplifier from almost any problem it might encounter when asked to simultaneously drive multiple pairs of speakers. Minimum Impedance Protection does so without compromising the basic performance of your sound system. How very like ADCOM. And how very unlike the competition.

The GFS-3 and GFS-6 Speaker Selectors are wired between your amplifier's outputs and your loudspeakers. The GFS-3 accommodates up to three pairs of speakers while the GFS-6 will permit you to use up to six pairs. Expand the versatility of your audio system with ADCOM Speaker Selectors.

The inspiration for this innovation comes from ADCOM's long experience and substantial success in producing high performance, high fidelity power amplifiers. Part of the knowledge gained over the years is an intimate familiarity with the demands loudspeakers place on any amplifier and the magnified demands created by a multiplicity of speakers. Our design goal quickly became to not only deliver sound to multiple speakers, but to maintain the signal's sound quality as more speakers are added.

ADCOM's user selectable Minimum Impedance Protection circuit on both GFS-3 and GFS-6 Speaker Selectors ensures accurate and musically pleasing sound regardless of how many pairs of speakers you may want to drive simultaneously. This "security system"

And see and hear the difference even the smallest details can make.

...

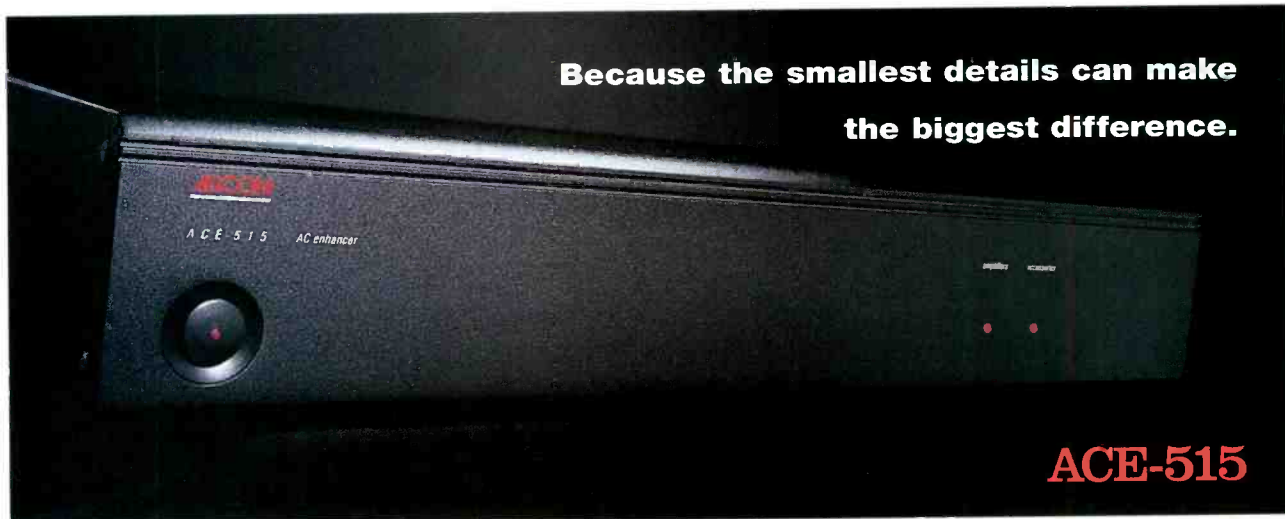
...



...they're necessities.



**Because the smallest details can make  
the biggest difference.**



**R**egardless of how sophisticated your audio/video system is, it may never achieve its full potential when plugged directly into a standard AC outlet. Why? Standard AC outlets often supply raw, unprocessed power that not only diminishes the clarity of audio signals and reduces video resolution but can actually damage the sensitive circuit elements inside your valuable components.

ADCOM's ACE-515 AC Enhancer protects your system and significantly improves its performance capabilities three ways. First, it provides effective surge protection from large "spikes" that may be injected into the AC line by refrigerators, air conditioners, heating systems, and even atmospheric disturbances. Second, the ACE-515 filters and processes AC power to provide a pure, noise free power source. Third, it prevents audible "thumps" by sequentially switching your system components on or off.

The ACE-515 combines both a switchable circuit breaker and internal MOVs (Metal Oxide Varistors) to provide convenient and effective protection against potentially damaging high voltage AC transients. The ACE-515 responds to these surges within 10 nanoseconds and can safely dissipate over 10 joules of transient energy. AC noise filtering also includes protection against both radio frequency and electromagnetic interferences (RFI and EMI). The audible results are best described as an "unveiling" of both musical and visual details to present more depth and vibrancy in the resulting images.

The ACE-515's seven AC outlets (six switched, one unswitched) are grouped to allow central connection of up to four source components, one control center, and up to two power amplifiers.

Sophisticated delay circuitry turns on the power amplifier(s) only after all other components have stabilized, and turns off the source components only after the power amplifier(s) have had time to fully discharge their power supplies. Plug in the ACE-515 and reach your full potential.

Almost everyone loves music, but not everyone loves the same music. ADCOM has solved this dilemma with the GFB-800II, an innovative approach in a centralized, remote controlled music system.

Now, with the ADCOM GFB-800II Music Control System, you can have individual, remote control of up to five different audio sources,

CD player(s), FM/AM-tuner(s), cassette deck(s), or any source component in two or more rooms all at the same time. And when used with ADCOM power amplifiers, the GFB-800II delivers the kind of world class sound quality usually reserved for stand alone component systems.

Upon entering a room, you turn on the music control center regardless of where it is located and then select and control any of your source components, as well as adjust the volume level in that room. For example, if you are using the ADCOM GCD-700 CD player in the system, you may select and listen to any of the five discs and operate any of its functions as if you were in the room with the main system. Likewise, you can tune up and down the FM or AM dial or choose a preset station from a tuner's memory using a remote controlled FM/AM tuner.

Simply, one person can listen to their favorite FM station in one room, while another listens to a CD in a different room, and may listen to a cassette tape or even a second CD player in still another room and each person can set the volume level in their particular room. And since the ADCOM remote sensors have a repeater system built in, almost any infrared remote component can be used and controlled within this system.

GFB-800IIs can be daisy-chained, meaning they can be hooked together to accommodate larger installations. Two GFB-800IIs with the appropriate remote sensors and power amplifiers, can, for example, provide sound in up to 10 different rooms or zones and three GFB-800IIs will provide individually controlled music in up to 15 different rooms or zones.

If music plays an important part in your home, or if you would like it to, visit your ADCOM dealer and find out how the GFB-800II will let everyone in your home march to the beat of a different drummer.

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## Gene Ammons

### BOSS TENOR

JVCXR-0033-2

*Gene Ammons' soulful tenor sax sound evokes both Lester Young and Ben Webster. Better known as "Jug" to his friends, Ammons demonstrates here his supreme ability to tell a story with his horn. This masterpiece has it all - the blues, the ballads and Ammons' big hit "Canadian Sunset." "Jug" is given sterling support by Tommy Flanagan, Doug Watkins, Art Taylor and Ray Barretto.*

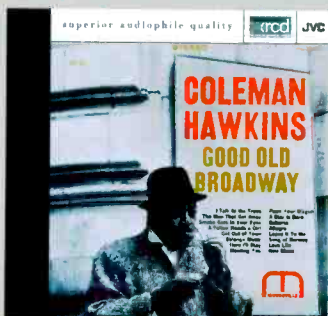


## Art Tatum/Ben Webster

### THE TATUM GROUP MASTERPIECES

JVCXR-0034-2

*This one virtually defines the term "classic." Tatum's supercharged piano virtuosity and boundless invention meet Webster's sensuously passionate tenor sax. In this final session of Tatum's career, the mutual admiration and trust between these two jazz giants results in a session that works like a dream.*

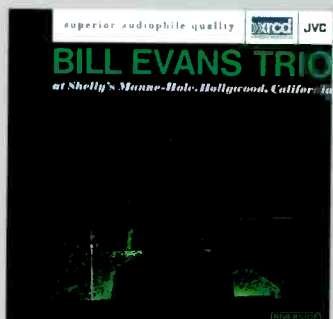


## Coleman Hawkins

### GOOD OLD BROADWAY

JVCXR-0035-2

*Coleman Hawkins is frequently identified as the "father" of jazz tenor saxophone playing. With a perfect rhythm section featuring his working band - Tommy Flanagan on piano, Major Holley Jr. on bass and Eddie Locke on drums, Hawkins showcases his illuminating artistry on this collection of love songs from Broadway shows. This "classic" Hawkins album has never before been available on CD.*



## Bill Evans Trio

### AT SHELLY'S MANNE-HOLE

JVCXR-0036-2

*This is the last album Bill Evans made for Riverside, one of only two occasions when he recorded "live" for the label. These two nights at Shelly Manne's club in Hollywood marked the only recording by the excellent "third" trio featuring bassist Chuck Israels and drummer Larry Bunker. Collectors have long recognized this album for its astonishing sound quality.*



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A U D I O

# annual 40<sup>th</sup> equipment directory



Photograph: Bill Kourinis

Winding toward the close of *Audio's* 50th Anniversary year, we come to our 40th Annual Equipment Directory. This milestone prompted me to look up the very first Directory, and for a while I was concerned that there might be some longstanding error in the count. I couldn't seem to *find* the first Directory. The reason was obvious once I finally did locate it, as the whole works occupied a whopping seven pages in the August 1958 issue.

How times have changed. We herewith present basic information on thousands of components compacted into somewhat more than a hundred pages. Not much of a plot, but plenty of characters! Changes from last

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# annual 40<sup>th</sup> equipment directory

1

CD & DVD PLAYERS  
D/A CONVERTERS

2

AMPLIFIERS  
PREAMPLIFIERS

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TUNERS  
RECEIVERS

4

TURNTABLES  
TONEARMS  
PHONO CARTRIDGES

5

HEADPHONES

6

CASSETTE DECKS  
DIGITAL PLAYER/RECORDERS  
BLANK TAPES & DISCS

7

EQUALIZERS  
SURROUND SOUND & AMBIENCE PROCESSORS  
SIGNAL PROCESSORS  
CROSSOVERS

8

SPEAKER CABLES

9

LOUDSPEAKERS

year's format are minimal, though attentive readers will note some tweaks, particularly the addition of surround decoding information in the amp and preamp sections. And because blank disc and tape prices vary so much at retail, we have omitted them. 🐼

All the information in the Directory is supplied to us by the manufacturers or importers of the equipment. Although we try very hard to ensure that it is complete and accurate, perfect consistency is impossible, if only because of variations in how companies specify their products. Treat the Directory as a guide, not as the final word. If you want more information on any of the products listed in the Directory, you will find manufacturers' addresses, phone numbers, and Internet info at the end. 🐼

Assembling the Directory is an enormous amount of work for a relatively small number of people, at a time of the year when everybody else is outdoors having fun. Thanks to all the staff who toiled through the summer to make it happen, and to Noel Farmer, who made his annual pilgrimage from West Coast to East to give us a hand.—M.R.





The horse, the automobile. The typewriter, the computer. The cassette tape, the Digital Recordable MiniDisc. Record music on your home deck and play it back anywhere. Just like tape. Digital sound and instant access to any song. Just like a CD. Record or mix up to 74 minutes from your CDs. All on one 2.5-inch MiniDisc. Then take it anywhere you go, and play it back on your car deck or portable player. Now that's progress.



# CD & DVD PLAYERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Disc Capacity	D/A Converter: Number of Bits—Oversampling Rate	HD/CD Decoding?	Analog Outputs: Fixed-F, Variable = V, Balanced = B, Headphone = H		Digital Outputs Included—See Code	Video Outputs Included—See Code	Frequency Response, Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Number of Programmable Selections	Repeat Functions: Entire Disc = D, Track = T, A-B Phrase = F, Entire Program = E, Random Play = R	Weight, Pounds (To Nearest Pound)	Price, \$	Notes	VIDEO OUTPUTS	
					C	T											C	S
ACCUPHASE	DP-55(RI)	1	20-8X	No	F/B	C/T/A		4-20 ±0.3	116	0.0038	16	D/T/P/E	24	3995.00	Digital inputs; three DACs per channel.			
	DP-65(RI)	1	20-8X	No	F/B	C/T		4-20 ±0.3	118	0.0025	16	D/T/P/E	35	5750.00				
	DP-75(RI)	1	20-8X	No	F/V/B	C/T		20-20	120	0.0024	16	D/T/P/E	43	9995.00	Translates input to 48-kHz sampling rate before conversion.			
	DP-90(RI)	1				C/T/A/B						D/T/P/E	46	7495.00	CD transport.			
ACURUS	ACD 11(RI)	1	1-32X	No	F	C		20-20 ±0.2	100	0.003	20	D/T/E	20	899.00	Discrete, Class-A output stage.			
ADCOM	GCD-700(RI)	5	20-8X	No	F/V	C		20-20 ±0.0-5	100	0.005	20	D/T/P/E/R	15	700.00	Selectable polarity.			
	GCD-750(RI)	1	20-8X	Yes	F/B	C		20-20 ±0.5	106	0.015	22	D/T/P/E/R	22	1250.00	As above; coaxial digital input.			
ALCHEMIST	Nexus APD32A(RI)	1	18-98X	No	†	C		0-22	100	0.01	21	D/T/P/E	14	1400.00	†Output level digitally controlled.			
	Forset Drive APD33A(RI)	1				C/B					20	D/T/E/R	22	1800.00	CD transport.			
AMC	CD9(RI)	1	1-32X	No	F	C		5-20 ±0.0-5	110	0.0025	21	D/T	10	274.95	18-bit resolution.			
	C8a(RI)	1	1-32X	No	F/B	C		5-20 ±0.0-5			21	D/T	11	349.95	As above; with balanced tube output stage, CD8a-5404, \$649.95; optional AC01 balanced-to-unbalanced conversion cable, \$100.00 per pair.			
ANTHEM	CD1(RI)	6	20-8X	Yes	F	C/B		20-20 ±0.5	100	0.01	16	D/T/E/R	11	1595.00	Tube output stage.			
ARCAM	Alpha 7(RI)	1	16	No	F	C		20-20 ±0.5	105	0.005	24	D/T/P/E	8	649.00	Upgradable to model below.			
	Alpha 8(RI)	1	20	No	F	C		20-20 ±0.5	105	0.005	24	D/T/P/E	9	949.00	Upgradable to model below.			
	Alpha 9(RI)	1	24-64X	No	F	C		20-20 ±0.5	105	0.005	24	D/T/P/E	9					
	MCD(RI)	6	1	No	F	C												
AUDIENCE	Au24/DVD(RI)	1	20-8X	No	V/B	C/T/3	C/S/P	20-20 ±0.5	107	0.0028	99	D/T/P/E/R	19	3900.00	DVD player; includes headphone amp.			
AUDIOLAB	8000CDM(RI)	1				C/T/B					60	D/T/P/E	15	1799.00	CD transport.			
	8000CD(RI)	1	20-128X	No	F	C		2-20 ±0.5	100	0.003	60	D/T/P/E	15	1595.00	Dual analog outputs.			
AUDIO MATIÈRE	Dialogue(RI)	1		No	V	C						D/T/E/R		4950.00	Top-loading.			
	Monologue(RI)	1				C						D/T/E/R		3975.00	Top-loading CD transport.			
AUDIOMECA	Talisman(RI)	1	18-8X	No		C						D/T	18	2695.00				
	Talisman Transport(RI)	1				C						D/T	18	2395.00	CD transport.			
	Kreatura(RI)	1	18-8X	No		C						D/T	20	2095.00				
	Kreatura Transport(RI)	1				C						D/T	18	1795.00	As above; optional AES/EBU output.			
	Damnation(RI)	1				C						D/T	9	1195.00	Top-loading CD transport.			
	Mephisto(RI)	1				C						D/T	22	3195.00	As above; optional AT&T and AES/EBU outputs.			
AUDIO NOTE	AN-CD1(RI)	1	18-8X	No	F	C						D/T		999.00	Tube output stage.			
	AN-CD2(RI)	1	20-8X	No	F	C						D/T		1999.00	As above.			
	AN-CD3(RI)	1	20-8X	No	F	C						D/T		3999.00	As above.			
	AN-CDT2(RI)	1				C						D/T		4999.00	CD transport.			
AUDIO RESEARCH	CD2(RI)	1	20	No	F	C/T/B		0.1-20 ±0.2	96	0.003	20	D/T	17	3495.00	Optional AT&T output.			
BALANCED AUDIO TECHNOLOGY	VK-D5(RI)	1	20-8X	Yes	F/B	C		20-20 ±0.5	100	0.01			35	4500.00	Tube output stage; fully balanced circuitry.			
CAIRN	Meige(RI)	1	1-8X	No	F	C		20-20 ±0.5	90	0.03	30	D/T/E/R	14	1100.00				
	Ecrins(RI) Manaslu(RI)	1 1	20-8X	No	F	C C/A		20-20 ±0.5	90	0.03	30 30	D/T/E/R D/T/E/R	17 14	1750.00 1500.00	CD transport.			
CALIFORNIA AUDIO LABS	DX-2(RI)	1	1-32X	No	F	C		5-20 ±0.2	92	0.005	20	D/T/P/R	11	649.00	MASH D/A conversion.			
	Icon mkII(RI)	1	18-8X	No	F	C		10-20 ±0.2	102	0.002	20	D/T/P/R	17	995.00	Optional Toslink output.			
	Icon "Power Boss"(RI)	1	20-8X	Yes	F	C		20-20 ±0.2	95	0.005	20	D/T/P/R	18	1445.00				
	CL-5(RI)	5	1-32X	No	F	C		1-20 ±0.2	92	0.005	32	D/T/P/E/R	18	1195.00	Upgradable to model below.			
	CL-10(RI)	5	20-8X	Yes	F	C/B		5-22 ±0.1	95	0.005	32	D/T/P/E/R	23	1975.00	RS-232 interface; optional software for digital filter management.			
	CL-15(RI)	1	20-8X	Yes	V/B			5-20 ±0.2	104	0.005	20	D/T/P/R	19	1695.00	Digital input; RS-232 interface; remote has volume control.			
	CLD-10(RI)	5				C/A/B/O						D/T/E/R	23	1975.00	CD changer transport; RS-232 interface.			
	Delta(RI)	1				C/T/B						D/T/E/R	11	895.00	CD transport; optional AT&T output.			
CAMBRIDGE AUDIO	CD4(RI)	1		No		C						D/T	9	399.00	CD player; continuous calibration.			
	CD6(RI)	1		No		C/B						D/T	12	649.00	CD player; dual-differential DAC.			
	DiscMagic	1				C/B						D/T	11	599.00	CD transport.			
CAMELOT TECHNOLOGY	Merlin Pro(RI)	1				C/B/O						D/T/E/R	15	1595.00	CD transport; i <sup>2</sup> S outputs; optional AT&T output.			
CARVER	MV-5(RI)	5		No	F/H	C		20-20 ±0.5	100	0.004	32	D/T/E/R	18	459.00				
CARY AUDIO DESIGN	CD-301(RI)	1	1-32X	No	F	C							26	2495.00	Remote has volume control.			
	CD-302(RI)	1	20	Yes	F	C							28	2995.00				
CEC	TL-1X(RI)	1				C/A/B						D/T	40	5695.00	Belt-drive CD transport.			
	TL-2(RI)	1				C/A/B						D/T	20	2995.00	As above.			
	TL-0(RI)	1				†						D/T	34	17.500	As above; custom built. †One (coaxial, AT&T, or AES/EBU).			
CLASSÉ AUDIO	CDT-1(RI)	1				C/A/B						D/T/E/R	13	2495.00	CD transport.			
	CDP-1(RI)	1	20-8X	Yes	F/B	B		20-20 ±0.1	108	0.003		D/T/E/R	18	3495.00				
	CDP5(RI)	1	20-8X	Yes	F/B	B		20-20 ±0.1	106	0.003		D/T/E/R	16	1995.00				
CONRAD-JOHNSON	DR1(RI)	1				C						D/T	18	1795.00	CD transport; with optional AT&T and AES/EBU outputs, \$2195.00.			
	DV2-b(RI)	1	1-256X	No	F	C		20-20 ±0.5		0.1	30	D/T	18	2495.00	Tube analog section.			
GOPLAND	CDA-288(RI)	1	20-8X	Yes	F	C/T		1-20 ±0.3	98	0.01		D/T/P/E	35	3200.00				
	CDA-277(RI)	1	20-8X	Yes	F	C/T		1-20 ±0.3	98	0.01		D/T/P/E	30	2400.00				
	CDA-266(RI)	1	20-8X	Yes	F	C/T		1-20 ±0.3	98	0.01		D/T/P/E/R	28	2000.00				
CREEK	CD 42(RI)	1	16-4X		F	C			96			D/T/E/R	7	1100.00	Delta-Sigma D/A conversion.			



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# CD & DVD PLAYERS

DIGITAL OUTPUTS												VIDEO OUTPUTS			
C—Coaxial (RCA or BNC)												C—Composite Video			
T—Toslink (Plastic Fiber-Optic)												S—S-Video			
A—AT&T Style (Glass Fiber-Optic)												P—Component Video			
B—Balanced (AES/EBU)															
3—Dolby Digital (AC-3) RF															
0—Other															
MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Disc Capacity	D/A Converter: Number of Bits—Oversampling Rate	HD/CD Decoding?	Analog Outputs: I=Left, F=Right, V=Variable, B=Balanced, H=Headphone	Digital Outputs: Included—See Code	Video Outputs: Included—See Code	Frequency Response: Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Number of Programmable Selections	Repeat Functions: Entire Disc, D, Track, T, A-B Phases, P, Entire Program, E, Random Play, R	Weight, Pounds (To Nearest Pound)	Price, \$	Notes
DANIELS AUDIO	CD 5.1 (RI)	5	1-192X	No	F/V	C		0-20 ±0.1	100	0.003	30	D/T/E/R	15	1450.00	Phase-coherent analog filter; optional balanced output; with upgraded power supply. CD 5.1 Ωmega, \$2500.00.
DENON	DVD-2000 (RI)	1	20	No	F	T	C/S	4-20	106	0.003		D/T/P	8	800.00	DVD player; up to 96-kHz sampling.
	DP-S1 (RI)	1	20	No	F	C/T/A/B						D/T/E/R	37	8000.00	CD transport; master clock sync with DA-S1 D/A converter.
	DCD-S1 (RI)	1	20-8X	No	F/B	C/T/B		2-20 ±0.2	120	0.0015	20	D/T/P/E	44	5500.00	Proprietary D/A conversion.
	DCD-S10 (RI)	1	20-8X	No	F/V/H	C/T		2-20	118	0.0018	20	D/T/P/E	22	1600.00	As above.
	DCD-1650 (RI)	1	20-8X	No	F/V/H	C/T		2-20	118	0.0018	20	D/T/P/E/R	23		As above; four DACs.
	DCD-425 (RI)	1	1-8X	No	V/H	C		20-20	103	0.005	20	D/T/E/R		199.00	
	DCM-560 (RI)	5	20-8X	No	F/V/H	C		20-20 ±0.2	113	0.0020	20	D/T/E/R	15	650.00	Proprietary D/A conversion.
	DCM-460 (RI)	5	20-8X	No	F/V/H	C		20-20 ±0.2	110	0.0025	20	D/T/E/R	13	450.00	As above.
	DCM-360 (RI)	5	20-8X	No	V/H	C		20-20	108	0.0025	20	D/T/E/R	12	319.00	As above.
	DCM-260 (RI)	5	1-8X	No	V/H	T/3	B	20-20	108	0.0028	20	D/T/E/R	12	269.00	
LA-2300 (RI)	1	1	No	F	F		20-20	115			D/T/P/E		700.00	CD/laserdisc player.	
DN-1200FC (RI)	200	20-8X	No	F	F		2-20 ±0.2	110	0.0025		D/E/R		4000.00	Changer and controller in separate chassis.	
DN-1400F	200	18-8X	No	F/B	B		20-20	86	0.02	99	D/T/P/E	51	4800.00	Includes two CD transports; computer-controlled.	
DPA DIGITAL	Enlightenment Transport (RI)	1				C/T					16	D/T/P/E	13	1395.00	CD transport; master clock sync with all DPA D/A converters.
	Renaissance Player (RI)	1	24-48X	No	F	C/T		20-20 ±0.5			16	D/T/P/E	16	1895.00	Clock sync as above; proprietary D/A conversion.
DYNACO	CDV-2 (RI)	1	1-8X	No	F/V/H	C		20-20 ±0.3	100	0.02		D/T/E/R	16	779.00	Tube output section; defeatable volume control; display dimmer.
	CDV-Pro (RI)	1	20-8X	Yes	F/V/H	C		20-20 ±0.3	100	0.02		D/T/E/R	16	1099.00	As above.
EAD	Ultradisc 2000T (RI)	1				C/A/B					24	D/T/E/R	30	2395.00	CD transport.
	Ultradisc 2000 (RI)	1	20-8X	Yes	F	C	C/S	0-20 ±0.1	113	0.001	24	D/T/E/R	32	2995.00	
	TheaterVision (RI)	1			F	C/A/B/3					24	D/T/P/E	42	5495.00	CD transport/laserdisc player; digital video processing.
ELECTRO-COMPANIE	CDP1 (RI)		18-16X	No	B	C		20-20 ±0.5	110	0.005		D/T/P/E	22		
ELECTRONIC VISIONARY SYSTEMS	EVS 5 (RI)	1	1-8X	No	F			20-20 ±0.5	100	0.003	24	D/T/R	8	400.00	Modified Sony CDP-XE500.
	EVS 1 (RI)	1	1-8X	No	F			20-20 ±0.3	105	0.003	32	D/T/P/E/R	10	950.00	Modified Sony CDP-XA1ES.
	EVS 3 (RI)	1	1-8X	No	F			20-20 ±0.3	110	0.002	32	D/T/P/E/R	16	1500.00	Modified Sony CDP-XA3ES.
	EVS 7 (RI)	1	1-8X	No	F/B			20-20 ±0.3	110	0.002	32	D/T/P/E/R	35	4000.00	Modified Sony CDP-XA7ES.
ELITE	PD-65 (RI)	1	1-384X	No	F	C/T		2-20	111	0.002	24	D/T/E/R	21	800.00	Legato Link DAC.
	PD-59 (RI)	1	1-384X	No	F	C/T		2-20	110	0.0026	24	D/T/E/R	9	545.00	As above.
	PD-M59 (RI)	6	1-384X	No	F/H	C/T		2-20	100	0.003	32	D/T/E/R	9	330.00	Magazine changer.
	PD-F59 (RI)	26	1	No	F	C/T		2-20				D/T/E/R		345.00	
	PD-F79 (RI)	51	1	No	F	C/T		2-20				D/T/E/R		450.00	
	PD-F07 (RI)	101	1-384X	No	F/H	C/T		2-20	105	0.003	96	D/T/P/E	14	500.00	
	PD-AP1			No	F			2-20				R	6	260.00	Controller for up to three File-type CD changers.
	CLD-59 (RI)	1	1-384X	No	F	C/3		4-20	115	0.0035	24	D/T/P/E/R	15	900.00	CD/laserdisc player; Legato Link DAC.
	CLD-79 (RI)	1	1-384X	No	F	C/T/3		4-20	115	0.0025	24	D/T/P/E/R	19	1440.00	As above.
	CLD-99 (RI)	1	1-384X	No	F	C/T/3		4-20	117	0.0017	24	D/T/P/E/R	24	2400.00	As above.
DVL-90 (RI)	1	20	No	V/H	C/T/3	C/S	4-44	115	0.003		D/T/P/E	20	1750.00	DVD/laserdisc player.	
ENSEMBLE	Dichrono Drive (EC) (RI)	1				C/B					20	D/T/P/E	29	9400.00	CD transport.
EXPOSURE	Integrated CD Player (RI)	1	16-4X	No									14	1995.00	
FISHER	DAC-2406 (RI)	24	1-8X	No	F			20-20	100	0.03	48	D/T/E	15	299.95	Two-level program categories.
	DAC-6006 (RI)	60	1-8X	No	F			20-20	100	0.03	48	D/T/E	18	329.95	As above.
	DAC-1506 (RI)	150	1-8X	No	F			20-20	100	0.03	80	D/T/E	18	429.95	Three-level program categories; reloadable during play.
	PCD-6300	1	1-8X	No	F/H			20-20 ±3	80	0.09	22	D/T/E	%	169.95	Portable; 3-second anti-skip memory.
	PCD-7900	1	1-8X	No	F/H			20-20 ±3	95	0.09	22	D/T/E		110.00	Portable; 40-second anti-skip memory; includes car adaptor kit.
PCD-7600	1	1-8X	No	F/H			20-20 ±3	95	0.09	22	D/T/E		130.00	As above but 20-second anti-skip.	
G AND D TRANSFORMS	Reference One (RI)	1				C					24	D/T/E/R	8	649.00	CD transport; optional AES/EBU output.
	CD Player (RI)	1	1-384X	No	V			2-20 ±0.1	98	0.0003	24	D/T/E/R	8	549.00	Digital polarity inversion.
	UCD-1 (RI)	1	1-384X	No	V	C		2-20 ±0.5	101	0.0003	24	D/T/E/R	15	995.00	As above.
	UTP-1 (RI)	1				C/B					24	D/T/E/R	15	1295.00	CD transport.
GOLDMUND	Mimesis 36 (RI)	1				C/B					D		50	14,990.00	CD transport.
	Mimesis 39 (RI)	1				C/B					D		28	5750.00	As above.
	Mimesis 39 DA (RI)	1		No	F	C/B		20-20 ±0.5	95	0.005		D	29	6250.00	
HARMAN KARDON	FL8300 (RI)	5	1-786X		F/H	C		20-20	104	0.005	32	T/P/E/R	15	329.00	Reloadable during play; Intro scan.
	FL8450 (RI)	5	1-786X		F/V/H	T		20-20	104	0.005	32	T/P/E/R	15	399.00	As above; fully balanced analog circuitry with unbalanced analog output.
	HD710 (RI)	1	1-786X		F/V/H	C		8-20	103	0.005		T/P/E/R	10	299.00	Headphone level control.
JADIS	JD1													16,950.00	CD transport.
	JD3 Orchestra													4295.00	CD player.
JOLIDA	JD 601A (RI)	1	16-4X	No	F			20-20 ±0.5	95	0.05	24	D/T/E/R	9	2995.00	As above.
JVC	XL-MC302 (RI)	100 + 1	1-8X		F	C		2-20	107	0.002	32	D/T/E/R	38	450.00	Tube output stage.
	XL-MCM1	100			F	C								870.00	Changer and controller in separate chassis; daisy-chainable to 300 discs.
	XL-M5SD (RI)	6 + 1	1-8X		F/H	T		2-20	108	0.002	32	D/T/E/R	30	550.00	Add-on CD transport for model above.
	XL-M418BK (RI)	6 + 1	1-8X		F			2-20	107	0.002	32	D/T/E/R	10	330.00	Tilting for 192 discs.
	XL-M318BK (RI)	6 + 1	1-8X		F			2-20	107	0.002	32	D/T/E/R	10	280.00	Tilting for 48 discs.
	XL-M218BK	6 + 1	1-8X		F			2-20	107	0.002	32	D/T/E/R	10	260.00	
	XL-F254BK (RI)	5	1-8X		F/H			2-20	107	0.0022	32	D/T/E/R	10	220.00	Remote controllable via system bus.
	XL-F154BK	5	1-8X		F			2-20	107	0.0022	32	D/T/E/R	12	200.00	Reloadable during play.
(Continued)	XL-V282BK (RI)	1	1-8X		F/H			2-20	106	0.0025	32	D/T/E/R	8	190.00	As above; remote controllable via system bus. Peak level search.



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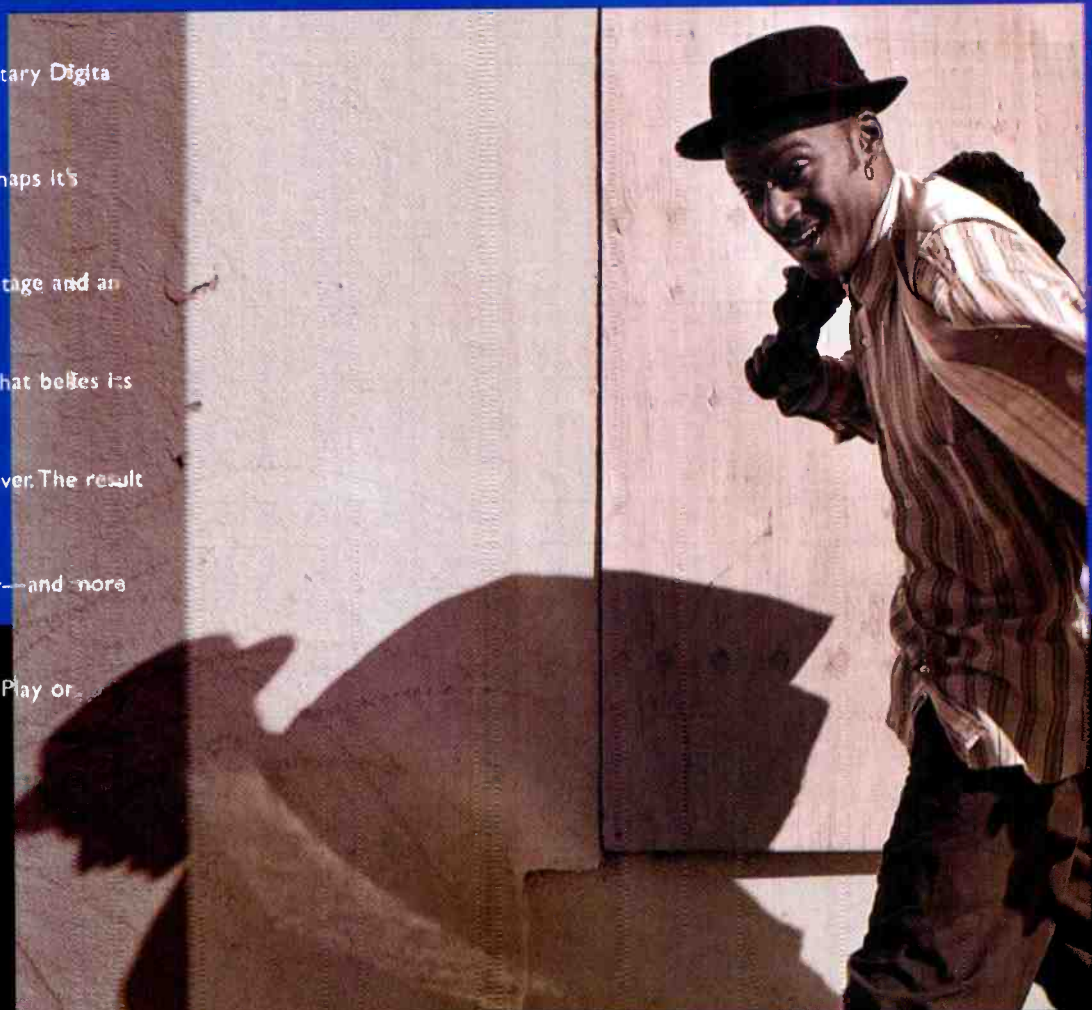
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CIRCLE NO. 50 ON READER SERVICE CARD

Marcus Miller, Santa Monica  
photo by William Claxton

# CD & DVD PLAYERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	Disc Capacity	D/A Converter Number of Bits—Oversampling Rate	HDCD Decoding?	Analog Outputs: Fixed=F, Variable=V, Balance=B, Headphone=H	Digital Outputs Included—See Code	Video Outputs Included—See Code	Frequency Response, Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Number of Programmable Selections	Repeat Functions: Entire Disc=D, Track=T, A-B Phrase=P, Entire Program=E, Random Play=R	Weight, Pounds (To Nearest Pound)	Price, \$	Notes	VIDEO OUTPUTS		
																C—Composite Video	S—S-Video	P—Component Video
JVC (Continued)	XL-V182BK	1	1-8X		F/H			2-20	106	0.0025	32	D/T/E/R	7	170.00	As above, remote controllable via system bus.			
	XL-P33	1	1		H						24	D/T/E/R	½	120.00	Portable; bass boost; 10-second triple shock protection; includes bud earphones; rechargeable.			
	XL-P43	1	1		H						24	D/T/E/R	%	140.00	Portable; bass boost; shock protection as above; includes headphones and rechargeable battery.			
	XL-P53CR	1	1		H						24	D/T/E/R	%	150.00	Portable; bass boost; shock protection as above; includes headphones and car kit.			
	XL-P63CR	1	1		H						24	D/T/E/R	%	160.00	As above; backlit keys and display.			
KENWOOD	1050CD(RI)	5	1-8X	No	V/H			4-20	100	0.003	32	T/P	11	200.00	Dual DAC.			
	104CD(RI)	5	1-8X	No	V/H			4-20	95	0.003	32	T/P	11	160.00	As above.			
	103CD(RI)	5	1-8X	No	V/H			4-20	95	0.003	32	T/P	11	140.00	As above.			
KRELL	KAV-300cd(RI)	1	20-8X	Yes	F/B	C/T		20-20 +0,-0.18	103			D/T		3500.00	12-V trigger input.			
	KPS-25(RI)	1	20-16X	Yes	F/V/B	C/T												
MARK LEVINSON	No. 31.5(RI)	1				C/T/A/B					30	D/T/P/E	64	9495.00	CD transport; upgradable.			
	No. 37(RI)	1				C/A/B						D/T/P/E/R		3995.00	CD transport; communicates with Mark Levinson 30 Series components.			
	No. 39(RI)	1	20-8X	Yes	F/V/B	C						D/T/P/E/R		5995.00	Communicates as above, coax and Toslink digital inputs.			
LINN	Karik(RI)	1	1-256X	No	F	C/T					20	D/T/P/E	12	3595.00	Master clock sync with Numerik D/A converter.			
	Mimik(RI)	1	1-256X	No	F	C					20	D/T/P/E	9	1595.00				
LUXMAN	D-322(RI)	1	18-8X	No	F/H	C		5-20 ±1	105	0.003	20	D/T/P/E	9	395.00				
	D-355(RI)	1	1	No	V/H	C		2-20	100	0.007	24	D/T/P/E/R	12	495.00				
	D-375(RI)	1	1	No	V/H	C/T		2-20	103	0.004	24	D/T/P/E/R	12	795.00				
	D-700S(RI)	1	20	Yes	F/B/H	C		20-20 ±1	110	0.002	24	D/T/P/E/R	20					
MAGNUM	CD2020(RI)	1	20	No	V/H	C					20	D/T/E	20	850.00				
MARANTZ	CD-17(RI)	1	1-96X	No	V	C/T		20-20 ±0.1	108	0.001	30	D/T/E/R	16	1200.00				
	LV-520(RI)	1	1-32X	No	V	T/3	C/S	20-20 ±0.01	100	0.005	24	D/T/P/E	18	800.00	CD/laserdisc player.			
	CC-870(RI)	101	1-32X	No	V	C		20-20 ±0.1	100	0.005	30	D/T/E/R	16	600.00				
	CC-65SE(RI)	5	1-96X	No	V/H	C		20-20 ±0.01	100	0.005	30	D/T/E/R	17	500.00				
	CC-67(RI)	5	1-96X	No	V/H	C		20-20 ±0.01	100	0.005	30	D/T/E/R	15	400.00				
	CC-48(RI)	5	1-96X	No	V	C		20-20 ±0.1	100	0.005	30	D/T/E/R	15	280.00				
	CC-38(RI)	5	1-96X	No	F	C		20-20 ±0.1	100	0.05	30	D/T/E/R	15	250.00				
	CD-67(RI)	1	1-32X	No	V/H	C/T		20-20 ±0.01	104	0.005	30	D/T/E/R	10	400.00	Special Edition version, \$500.00.			
	CD-48(RI)	1	1-96X	No	F/H	C		20-20 ±0.1	100	0.005	30	D/T/E/R	8	230.00				
	DVD-810(RI)	1	1-32X	No	F	C	C/S	20-20 ±0.01	100	0.005	24	D/T/E	12	700.00	DVD player.			
	MBL	CDP1(RI)	1	16-4X	No	F	C		5-20	104	0.0025	20	D/T/P/E/R	17	1500.00			
McINTOSH	MCD7009(RI)	1	1	No	F/B	C/A		4-20 ±0.3	110	0.0013	20	D/T/P	22	2750.00				
	MLD7020(RI)	1	1	No	F	C/A/3	C/S	4-20	118	0.0017	24	D/T/P	54	3200.00	CD/laserdisc player.			
MERIDIAN	586(RI)	1	24-128X	No	F	C/T	C/S/P	20-20		0.003	30	D/T/E	34	3495.00	DVD player.			
	500(RI)	1		No	F	C/T/B		20-20		0.003	30	D/T/E	30	2195.00	CD transport.			
	506-20(RI)	1	20-64X	No	F	C/T		20-20		0.003	30	D/T/E	30	1895.00				
	508-20(RI)	1	20-64X	No	F/B	C/T		20-20		0.003	30	D/T/E	30	2995.00				
MICROMEGA	Stage 6(RI)	1	1-384X	No	F/H	C		20-20 ±0.5	96	0.01	20	D/T/P/R	11	1595.00				
	Stage 5(RI)	1	1-384X	No	F/H	C		20-20 ±0.5	96	0.01	20	D/T/P/R	10	1195.00				
	Stage 4(RI)	1	1-384X	No	F/H	C		20-20 ±0.5	96	0.01	20	D/T/P/R	10	995.00				
	Minium(RI)	1	1-384X	No	F/H	C		20-20 ±0.5	96	0.01	20	D/T/P/R	10	695.00				
	Solo(RI)	1	1-384X	No	F	C/T/A/B		20-20 ±0.5	96	0.01	20	D/T/P/R	16	3995.00	Optional AT&T output.			
	Data(RI)	1	1-384X	No	F	C/T/B		20-20 ±0.5	96	0.001	20	D/T/P/R	17	3295.00				
	Drive 3(RI)	1	1-384X	No	F	C/T/B		20-20 ±0.5	96	0.001	20	D/T/P/R	16	1695.00				
MISSION ELECTRONICS	Cyrus dAD3(RI)	1	18-4X	No	F	T		20-20 ±0.5	100	0.008	20	D/E	8					
MITSUBISHI	M-CD500(RI)	5	18-8X	No	F	F		4-20 ±0.3	97	0.01	40	D/T/E/R	14	279.00				
	DD-1000(RI)	1	20	No	F	C	C/S	4-20	96	0.006	30	D/T/P	8	599.00	DVD player.			
MSB TECHNOLOGY	Platinum LS-2(RI)	2	16	No	F	C	C/S	4-20 ±0.5	115	0.003	20	D/T/E/R	67	5495.00	CD/laserdisc player with two transport mechanisms; optional factory-installed AC-3 RF output for this and other laserdisc players, \$385.00.			
	Gold LS-2(RI)	1	16	No	F	C/T/A/B/3	C/S	4-20 ±0.5	115	0.003	20	D/T/E/R	50	3395.00	CD/laserdisc player.			
	Silver LS-2X(RI)	1	16	No	F/H	C/T/3	C/S	4-20 ±0.5	115	0.003	20	D/T/E/R	44	1995.00	As above.			
MUSEATEX AUDIO	CDD1(RI)	1				C/T						D/T/P	22	1750.00	CD transport; signal reclocking based on data-word preamble.			
MUSICAL CONCEPTS	DV-1S(RI)	1	1-8X	No	F	C/T	C/S/P	20-20 ±0.2	105	0.004		D/T/P/E	16	1495.00	DVD player.			
	DV-1P(RI)	1	1-8X	No	F	C/T	C/S/P	20-20 ±0.3	100	0.005	24	D/T/P/E	14	995.00	As above.			
	Enigma VII(RI)	1	1-384X	F	F	C/T		2-20	110	0.003	24	D/T/E/R	11	795.00	DSP.			
	Epoch VII(RI)	1	1-384X	F	F	C/T		2-20	110	0.003	24	D/T/E/R	12	995.00	As above; Signature version, \$1295.00.			
	CDT-4(RI)	1	1-384X	F	F	C/T		2-20	110	0.003	24	D/T/E/R	12	795.00	Signature version, \$995.00.			
MUSICAL DESIGN	T-1(RI)	1	1-384X	No	F	C/T		2-20	110	0.003	24	D/T/E/R	17	1295.00	Harmonic reconstruction to 40 kHz via digital filter.			
	CD-2(RI)	1	1-384X	No	F	C/T		2-20	110	0.003	24	D/T/E/R	17	1495.00	As above.			
	CD-2 Signature(RI)	1	1-384X	No	F	C/T		2-20	110	0.003	24	D/T/E/R	17	1995.00				
MUSICAL FIDELITY	Elektra E60(RI)	1	16-8X	No	F	C/T		20-20	105	0.009	32	D/T/R	12	499.95				
	A2CD(RI)	1	16-8X	No	F	C/T		20-20	107	0.007	32	D/T/R	14	699.95	Class-A output.			
MYRYAD SYSTEMS	MC100(RI)	1	1	No	F	C		20-20 ±0.3	104	0.003	24	D/T/R	13	1200.00	PLM DAC.			
	MCD500(RI)	1	20	No	F/B	C		20-20 ±0.3	105	0.002	24	D/T/R	13	2400.00	Delta-Sigma DAC.			



# CD & DVD PLAYERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Disc Capacity	D/A Converter: Number of Bits—Oversampling Rate	HD/CD Decoding?	Analog Outputs: F=Fixed, V=Variable, V- Balanced, B, H=Headphones, H	Digital Outputs Included—See Code	Video Outputs Included—See Code	Frequency Response, Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Number of Programmable Selections	Repeat Functions: Entire Disc=D, Track=T, A-B Phrase=P, Entire Program=E, Random Play=R	Weight, Pounds (To Nearest Pound)	Price, \$	Notes	VIDEO OUTPUTS		
																C—Composite Video	S—S-Video	
NAD	510	1	1-4X	No	F	None		5-20 ±0.5	100	0.002	0	D/T/R	9	249.00				
	512(RI)	1	MASH-4X	No	F	C		5-20 ±0.5	105	0.0025	21	D/T/E	10	349.00				
	514(RI)	1	MASH-8X	No	F	C		5-20 ±0.5	106	0.002	20	D/T/P/E	9	499.00	Controlled dynamic range.			
	515(RI) 523(RI)	5 5	1-8X MASH-8X	No No	F F	C C		5-20 ±0.2	90	0.003		D/T/E/R	15	449.00 379.00	System control bus. As above.			
NAIM AUDIO	CD3-5(RI)	1	Hybrid	No	F			10-18 ±0.1			16	D/E	14	2000.00	Optional external power supply.			
	CD2(RI) CDS(RI)	1 1	16-4X 16-4X	No No	F F			10-18 ±0.1			16 16	D/E D/E	24 44	4150.00 8000.00	Includes external power supply.			
NAKAMICHI	MB-4s(RI)	7	16-4X	No	F	None		10-20 ±0.5	87	0.035	50	D/T/E	11	400.00	MusicBank changer.			
	MB-3s(RI)	7	18-8X	No	F	None		5-20 ±0.5	96	0.006	50	D/T/E	12	500.00	As above.			
	MB-2s(RI)	7	18-8X	No	H	C		5-20 ±0.5	96	0.004	50	D/T/E	12	600.00	As above; system remote jack.			
	MB-1s(RI)	7	20-8X	No	H	C		5-20 ±0.5	100	0.0035	50	D/T/E	12	800.00	As above.			
N.E.W.	Carmel(RI)	1	20-8X	No	F/B	C		20-20 ±0.1		0.002	24	D/T/E/R	21	1198.00	Tube output stage.			
	Ventura(RI)	1	20-8X	No	F/B	C		20-20 ±0.1		0.001	24	D/T/E/R	25	1898.00	DVD player; up to 96-kHz sampling.			
	Carlsberg(RI)	1	24	No	F	3	C/S/P											
ONIX	CD33(RI)	1	1-192X	No	V	C		20-20 ±0.5	100	0.002	20	D/T/P/E	13	2195.00				
ONKYO	Integra DX-7911(RI)	1	1-8X	No	F/V/H	C/T		2-20	110	0.0025	20	D/T/P/E/R	23	1199.95				
	Integra DXC-730(RI)	6	1-8X	No	F	T		2-20	98	0.004	40	D/T/E/R	18	549.95	Custom File memory for 202 discs; intro scan; peak level search.			
	DXC-530(RI)	6	1-8X	No	F			20-20	96	0.004	40	D/T/E/R	17	349.95	Music File memory for 204 discs; peak level search.			
	DXC-340(RI)	6	1-8X	No	F			20-20	96	0.004	40	D/T/E/R	16	259.95	Reloadable during play; six-mode repeat.			
	DXC-140 DX-7210(RI) DVD-7(RI)	6 1 1	1-8X 1-8X 20	No No No	F F F			20-20 20-20 4-20	92 100 96	0.005 0.004 0.006	36	D/T/P/E/R D/T/P/R	16 10 9	274.95 219.95 799.95	As above. Dual DAC; five-mode repeat. DVD player, 10-bit video DAC.			
OPTIMUS	CD-7250(RI)	6	1-8X	No	F			2-20 +1,-2	98	0.005	32	D/T/E/R	8	179.99				
	CD-8100(RI)	5	1-8X	No	F			20-20	100	0.04	32	D/T/E	10	149.99				
	CD-8150(RI)	5	1-4X	No	F	None		20-20	100	0.005	32	D/T/E/R	8	179.99	Intro scan.			
	CD-8200(RI)	25	1-8X	No	F	C		20-20	98	0.003	24	D/T/P/E	10	229.99				
	CD-8300(RI)	51	1-8X	No	F/H	C		20-20	98	0.003	24	D/T/P/E	13	279.99				
	CD-3530	1	1-8X	No	F			20-20			24	D/T/E	1/2	69.99	Portable.			
	CD-3620	1	1-8X	No	F/H	None		20-20			24	D/T/E		79.99	As above.			
	CD-3640	1	1-8X	No	F/H	None		20-20			24	D/T/E		99.99	As above; 3-second anti-shock memory.			
	CD-3680	1	1-8X	No	F/H	None		20-20			24	D/T/E		149.99	As above; night illumination; includes car adaptor kit.			
	CD-3690	1	1-8X	No	F/H	None		20-20			24	D/T/E		179.99	As above but 10-second anti-shock.			
PANASONIC	DVD-A300(RI)	1		No	F/H	T	C/S						8	750.00	DVD player; 5.1-channel analog output.			
	DVD-A100(RI)	1		No	H	T								600.00	DVD player.			
	LX-H690(RI)	1	1	No	H	3		4-20	115	0.003	20	D/T/P	18	549.95	CD/laserdisc player.			
	LX-K780(RI)	1	1	No	H			4-20	102	0.005	20	D/T/P/R	18	849.95	CD/laserdisc/karaoke player.			
	SL-S332C	1	1	No	H			20-20	94		24	D/T/R	1/2	150.00	Portable/car player.			
	SL-S321C	1	1	No	H			20-20	94		24	D/T/R	1/2	130.00	As above.			
	SL-S221C	1	1	No	H			20-20	94		24	D/T/R	1/2	110.00	As above.			
	SL-S320	1	1	No	H			20-20	94		24	D/T/R	1/2	110.00	Portable.			
	SL-S225	1	1	No	H			20-20	94		24	D/T/R	1/2	100.00	As above.			
	SL-S220	1	1	No	H			20-20	94		24	D/T/R	1/2	90.00	As above.			
	SL-S125	1	1	No	H			20-20	94		24	D/T/R	1/2	80.00	As above.			
	SL-S120	1	1	No	H			20-20	94		24	D/T/R	1/2	80.00	As above.			
	SL-SW415	1	1	No	H			20-20	94		24	D/T/R	1/2	220.00	As above; anti-shock memory.			
	SL-SW405	1	1	No	H			20-20	94		24	D/T/R	1/2	200.00	As above.			
	SL-SW205	1	1	No	H			20-20	94		24	D/T/R	1/2	160.00	As above.			
PARADOX	E													300.00	Modification to existing CD player (DC offset, power conditioner, and green light bath).			
	S Solovox													600.00 1200.00	As above. As above.			
PARASOUND	C/DP-1000(RI)	1	†	No	F	C		5-20 ±0.5	105	0.005	20	D/T/E	12	495.00	†Hybrid, 18-bit/1-bit, 8X. Optional AT&T and AES/EBU outputs.			
	C/DC-1500(RI) C/BD-2000(RI)	5 1	†	No	F	C C/A/B		5-20 ±0.5	110	0.005	20 20	D/T/E D/T/E	15 17	650.00 1550.00	As above. Belt-drive CD transport.			
PENTAGON	CD-70(RI)	1	24-16X	No	F	C								4950.00	Top-loading.			
PINK TRIANGLE	Numeral(RI)	1	1-128X	No	F/B	C		20-20 ±0.1	90	0.007	20	D/T/P/E/R	15	1995.00				
	Litaural(RI)	1	1-256X	Yes	F/B	C		20-20 ±0.1	100	0.005	20	D/T/P/E/R	16	3695.00				
	Cardinal(RI)	1			F/B	C					20	D/T/P/E/R	14	1495.00	CD transport; master clock sync with Ordinal D/A converter.			
PIONEER	PD-F1006(RI)	101	1-384X	No	F	T	C	2-20	98	0.003	36	D/T/E/R	14		PC keyboard input for disc titling.			
	PD-F906(RI)	101	1-384X	No	F	T		2-20	98	0.003	36	D/T/E/R	14	350.00				
	PD-F606(RI)	25	1-384X	No	F	T		2-20	98	0.005	24	D/T/E/R	11	260.00				
	PD-F506	25	1-384X	No	F			2-20	98	0.005	24	D/T/E/R	11	245.00				
	PD-M426(RI)	6	1-384X	No	F			2-20	98	0.005	32	D/T/E/R	8	240.00				
	PD-M406	6	1-384X	No	F			2-20	98	0.005	32	D/T/E/R	8	225.00				
	PD-AP1			No	F			2-20				R	6	260.00	Controller for up to three File-type CD changers.			
	PD-103	1	1-384X	No	F/H			20-20	98	0.003	24	D/T/E/R	7	190.00				
	DVL-700(RI)	1	20	No	V	C/T/3	C/S	4-44	115	0.003		D/T/P/E	20	1200.00	DVD/laserdisc player.			
	DV-500(RI)	1	20	No	V	C/T	C/S	4-44	115	0.003		D/T/P/E	9	700.00	DVD player.			
POLYFUSION AUDIO	920(RI)	1				C/A/O								30	2900.00	CD transport, includes external DC power supply.		
	302(RI)	1	20-8X	No	F/B	C/T		20-20 +0,-0.1	115	0.003				30	2950.00			
PROCEED	CDD(RI)	1				C/B								2495.00	CD transport; optional AT&T output.			
	CDP(RI)	1	18-8X	Yes	F/V/B	C								3500.00	Coaxial and Toslink digital inputs.			

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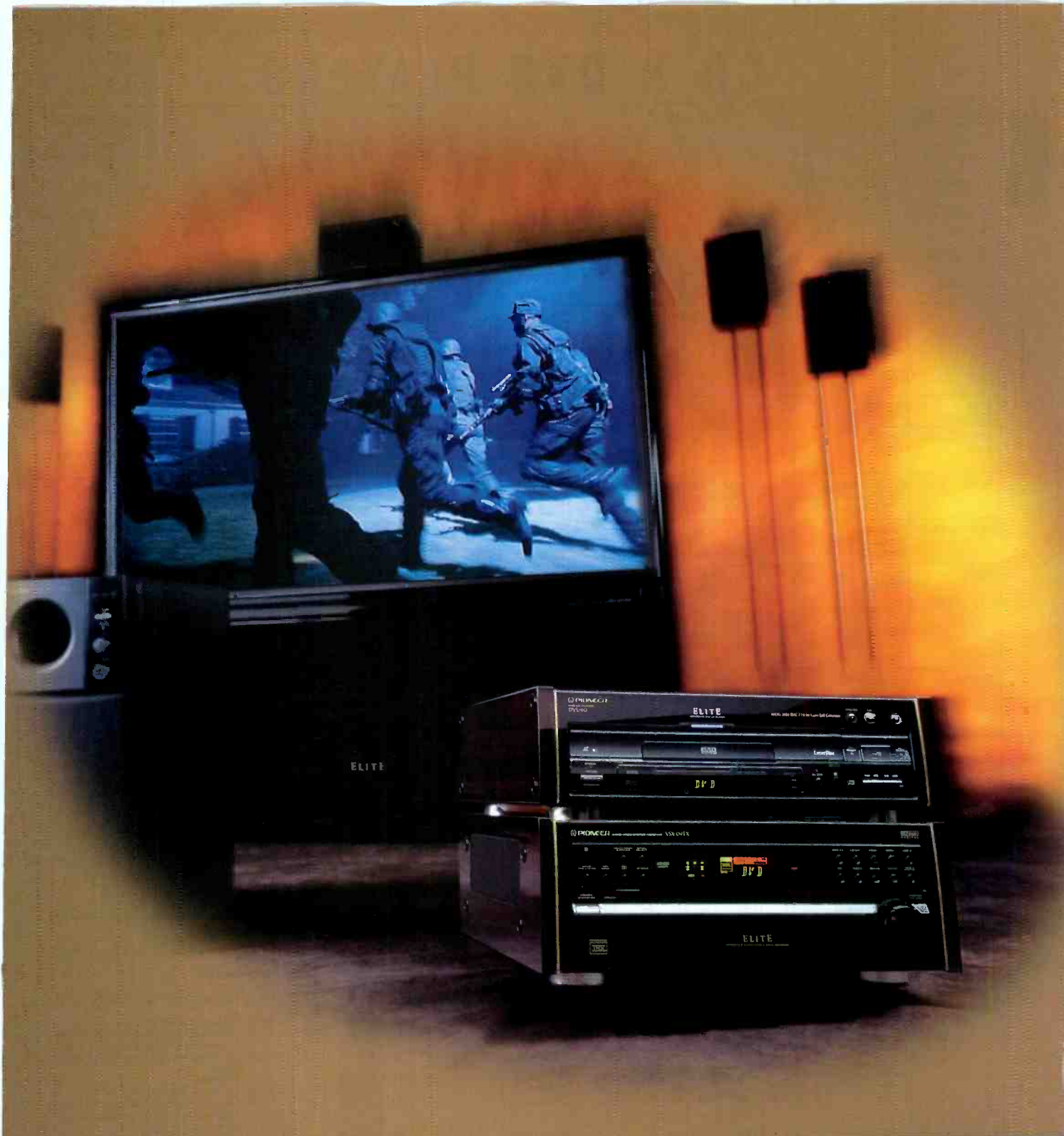
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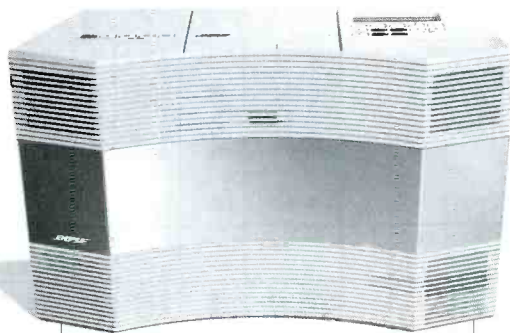
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# CD & DVD PLAYERS

DIGITAL OUTPUTS														VIDEO OUTPUTS		
C—Coaxial (RCA or BNC) T—Toslink (Plastic Fiber-Optic) A—AT&T Style (Glass Fiber-Optic) B—Balanced (AES/EBU) 3—Dolby Digital (AC-3) RF 0—Other		Model (RI) = Remote Included, (RO) = Remote Optional	Disc Capacity	D/A Converter: Number of Bits—Oversampling Rate	HD/CD Decoding?	Analog Outputs: Balanced—B Headphone—H	Digital Outputs Included—See Code	Video Outputs Included—See Code	Frequency Response, Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Number of Programmable Selections	Repeat Functions: Entire Disc—D, Track—T, A-B Phrase—P, Entire Program—E, Random Play—R	Weight, Pounds (To Nearest Pound)	Price, \$	Notes
MANUFACTURER																
PS AUDIO		Lambda 2(RI)	1			C/T/B						D/T/P/E	23	1995.00	CD transport; optional AT&T output, \$300.00.	
RCA		RC5200P(RI)	1	16	No	F/H	T	C/S	20-20	95	0.01	18	†	8	499.00	DVD player; 8-bit video DAC, †CD, repeats disc and track, DVD, repeats chapter and title.
		RC5500P(RI)	1	16	No	F/H	T	C/S	20-20	95	0.01	18	†	8	699.00	DVD player; 8-bit video DAC; shuttle knob; universal remote.
		PS8600P(RI)	1	16	No	F/H	T	C/S	20-20	95	0.01	18	†	8	749.00	As above; includes A/V and S-video Monster Cables.
REGA RESEARCH		Planet(RI)	1		No		C						D/T/E	15	795.00	CD player.
RESOLUTION AUDIO		CD50(RI)	1	20-8X	Yes	V/B	B							20	2995.00	Remote has volume control.
		T30(RI)	1				C/A/B							35	4995.00	CD transport; master clock sync with D20 D/A converter.
REVOX		S22 Elegance(RO)	1	5-128X	No	F	C		20-20 ±0.1	90	0.003	20	D/T/P/E	9	995.00	Polarity selectable via remote.
		B22 Emotion(RO)	1	1-256X	No	F	C		20-20 ±0.1	98	0.006	20	D/T/P/E	19	2095.00	
		E426 Exception(RO)	1	1-256X	No	F/B	C/B		20-20 ±0.1	105	0.006	20	D/T/P/E	25	2995.00	
ROKSAN AUDIO		Caspien(RI)	1	18	No	F	C		20-20 ±1	105	0.003	20	D/T/E	17		CD transport.
		Attessa DP3(RI)	1				C/A/B							24		
		Attessa DP3 P(RI)	1	18-64X	No	F	C or A		20-20 ±0.5	110	0.003	20	D/T/E/R	27		
ROTEL		RCD-930AX(RI)	1	1-8X	No	F	C		20-20 ±0.8	90	0.01	21	D/P/E/R	9	300.00	Delta-Sigma noise shaping.
		RCD-950(RI)	1	†	No	F	C		5-20 ±0.5	100	0.0045	21	D/T/P/E/R	11	450.00	Continuous Calibration DAC, †1 to 5 bits, 96X.
		RCD-970BX(RI)	1	20-16X	No	F	C		20-20 ±0.05	105	0.0025	20	D/E/R	11	600.00	Continuous Calibration DAC.
		RCD-975(RI)	1	20-16X	No	F	C		20-20 ±0.05	107	0.0025	20	D/P/E/R	12	750.00	Stereo dual-differential DACs.
		RCD-990(RI)	1	20-8X	Yes	V/B	C/T		5-20 ±0.5	115	0.0035	30	O/E/R	17	1500.00	Adjustable dither; display dimmer.
		RCC-945(RI)	6	1-8X	No	F	C		20-20 ±0.8	96	0.01	16	D/T/E/R	13	500.00	Elevator-style storage bank.
		RDD-980(RI)	1			F	C/T					20	D/E/R	11	650.00	Center-mount CD transport.
SANSUI		CD-M1000(RI)	100		No	F			20-20 ±1	88		100	D/T/E/R	24	499.00	
		CD-M720(RI)	7	1	No	F	C		4-20 ±0.5	102		36	D/T/R	12	459.00	
		CD-M410(RI)	5	16-8X	No	F			10-20 ±1	98		32	D/T/R	13	249.00	
		CD-220(RI)	1		No	F			10-20 ±1	98		21	D/T/E/R	10	189.00	
		CD-X515(RI)	1		No	F	C		4-20 ±0.5	102		24	D/T/R	9	349.00	
SIGNATURE TECHNOLOGIES		SR0-23(RI)	1	1-128X	No	V/H	C		2-20	95	0.08	8	D/T/E	12	1195.00	
SONIC FRONTIERS		SFCD-1(RI)	1	20-8X	Yes	F/B	C						D/T/P/R		3795.00	Top-loading CD transport; 1 <sup>2</sup> S digital output.
		Transport 3 (The Iris) (RI)	1				C/A/B/D						D/T/P/R		4995.00	
SONY		DVP-S7000(RI)	1	1-8X	No	F/H	C/T	C/S/P	2-20 ±0.5	107		32	D/T/P/R	22	999.00	DVD player; 10-bit video DAC; digital video EQ and noise reduction.
		DVP-S3000(RI)	1	1	No		C/T	C/S	4-20	107				13	599.00	DVD player; 10-bit video DAC; selectable audio preference.
		CDP-XE400	1	16-8X	No	F/H			2-20 ±0.5	100	0.0045	24	D/T	7	180.00	
		CDP-XE500(RI)	1	16-8X	No	F/H/H	T		2-20 ±0.5	100	0.0045	24	D/T	7	200.00	Digital servo control; reloadable during play.
		CDP-CE105(RO)	5	1-8X	No	F			2-20 ±0.5	102		32	D/T/R	11	149.00	CD text display; digital volume control.
		CDP-CE215(RI)	5	1-8X	No	F/H	T		2-20 ±0.5	102		32	D/T/R	12	179.00	Jog dial.
		CDP-CE415(RI)	5	1-8X	No	F/H	T		2-20 ±0.5	102		32	D/T/R	13	199.00	CD text display; memory scan and search.
		CDP-CE515(RI)	5	1-8X	No	F/H	T		2-20 ±0.5	107		32	D/T/R	13	249.00	
		CDP-C910(RI)	10	16-8X	No	F/H/H	T		2-20 ±0.5	110	0.003	32	D/T	14	600.00	
		CDP-CX50(RI)	50	1-4X	No	F			2-20 ±1	88	0.013	32	D/T/R	11	199.00	
		CDP-CX55(RI)	+1	1-4X	No	F/H	T		2-20 ±1	88	0.013	32	D/T/R	11	249.00	
		CDP-CX205(RI)	+1	1-8X	No	F/H	T		2-20 ±0.5	100		32	D/T/R	20	420.00	Digital servo control.
		CDP-CX255(RI)	200	1-8X	No	F/H	T		2-20 ±0.5	100		†	D/T/R	20	449.00	†Three 32-step programs. Custom File memory; digital servo control; jog dial.
		CDP-CX270(RI)	200	16-8X	No	F	T		2-20 ±0.5	110	0.0027	†	D/T	20	1000.00	Graphical user interface; PC keyboard input.
		D-151C Gray	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	99.00	Portable.
		D-153C	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	109.00	As above; rechargeable battery.
		D-E301	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	139.00	Portable; 10-second anti-shock memory; with noise-cancelling headphones.
		D-E305	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	149.00	D-E301NC, \$249.00
		D-T401	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	189.00	Portable; 10-second anti-shock memory; rechargeable battery; carrying case.
		D-T405	1	1-8X	No	F/H	O		20-20 +1,-2	22		22	D/T/E/R	‡	199.00	Portable; 10-second anti-shock memory; AM/FM tuner.
		D-368	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	189.00	As above; optical output; rechargeable battery; carrying case.
		D-465	1	1-8X	No	F/H	O		20-20 +1,-2	22		22	D/T/E/R	‡	229.00	Portable; 20-second anti-shock memory. As above; optical output; rechargeable NiMH battery; backlit display.
		D-451SP	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	1	299.00	Portable; 10-second anti-shock memory; rechargeable battery; water resistant.
		D-777(RI)	1	1-8X	No	F/H			20-20 +1,-2				D/T/R	‡	449.00	Portable; dual DAC; headphone remote; rechargeable batteries.
		D-162CKC	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	119.00	Portable; car kit.
		D-E307CK	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	149.00	As above; 10-second anti-shock memory.
		D-M801	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	179.00	As above; backlit keys and display.
		D-M805(RI)	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/E/R	‡	199.00	As above.
		D-844K(RI)	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/R	‡	249.00	As above; digital signal processing.
		D-848K(RI)	1	1-8X	No	F/H			20-20 +1,-2	22		22	D/T/R	‡	349.00	As above; interactive remote.



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14-year effort by Bose to produce rich, natural, high-fidelity sound from a simple, compact

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**BOSE**  
Better sound through research.

# CD & DVD PLAYERS

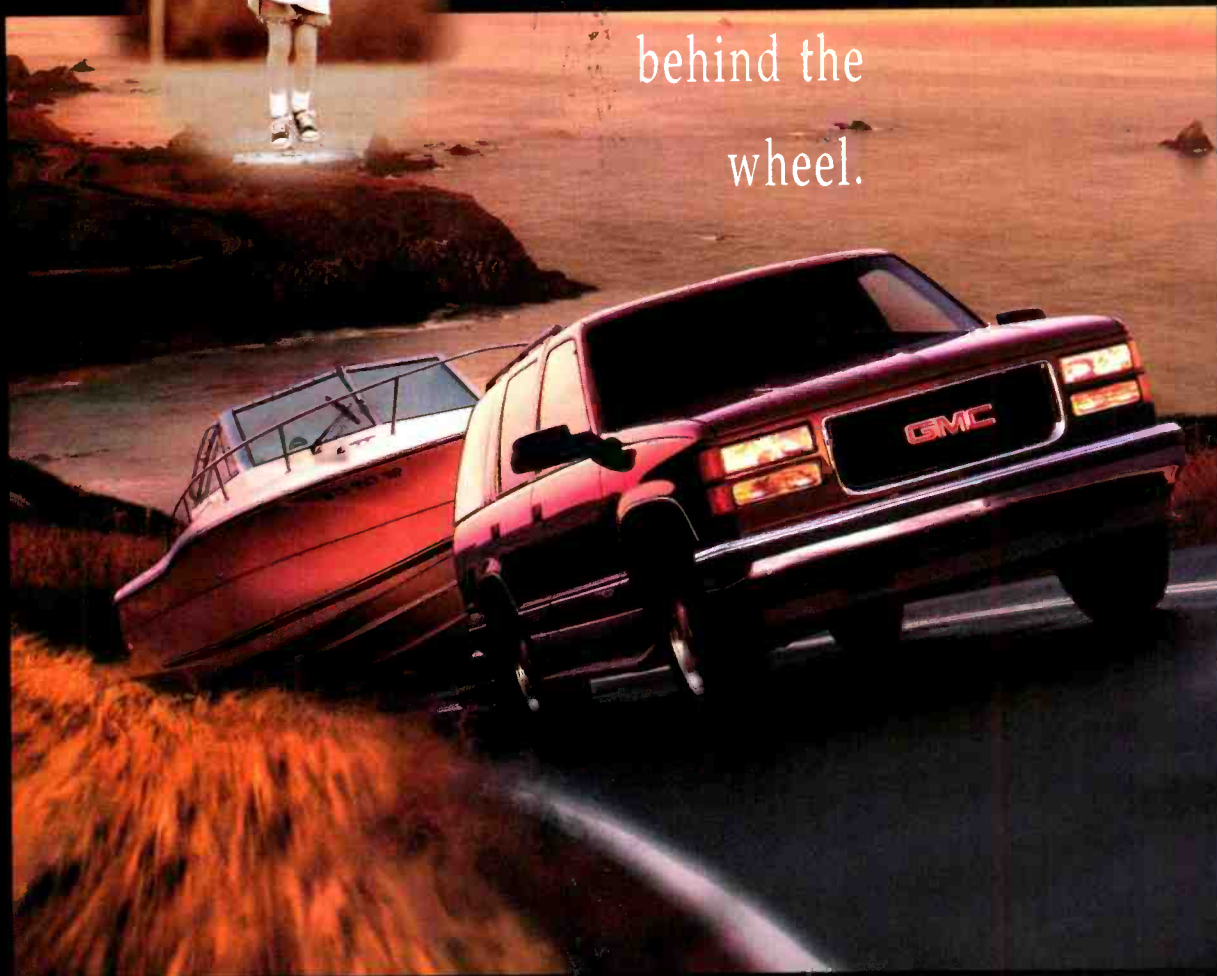
MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Disc Capacity	D/A Converter	Number of Bits—Oversampling Rate	HDCD Decoding?	Analog Outputs—Fixed F, Variable = V, Balanced = B, Headphones = H		Digital Outputs Included—See Code	Video Outputs Included—See Code	Frequency Response, Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Number of Programmable Selections	Repeat Function, Entire Disc=D, Tracks=T, A-B Playback=P, Entire Program=E, Random Play=R	Weight, Pounds (To Nearest Pound)	Price, \$	Notes	VIDEO OUTPUTS	
						F/V/B/H	C/T											C	S
SDNY ES	CDP-XA7ES(RI)	1	1-8X	No	F/V/B/H	C/T		2-20 ±0.3	119	0.0015	32	D/T/P/E/R	33	3000.00		Non-moving laser block.			
	CDP-XA1ES(RI)	1	1-8X	No	F/V/H	T		2-20 ±0.5	108	0.0027	32	D/T/P/E/R	8	350.00					
	CDP-CA7ES(RI)	5	1-8X	No	F/H	T		2-20 ±0.3	117	0.0025	32	D/T/P/R	13	350.00					
	CDP-CA8ES(RI)	5	1-8X	No	F/V/H	T		2-20 ±0.3	117	0.0025	32	D/T/P/R	15	350.00					
	CDP-CA9ES(RI)	5	1-8X	No	F/V/H	T		2-20 ±0.3	117	0.0025	32	D/T/P/R	16	700.00					
	CDP-CX90ES(RI)	200	20-64X	No	F	T		2-20 ±0.3	116	0.0025	†	D/T	22	1100.00					
	CDP-CX70ES(RI)	200	1-8X	No	F/H	T		2-20 ±0.5	100		†	D/T/R	22	650.00				On-screen menus for disc management; PC keyboard input. †Free 32-step programs.	
SPECTRAL AUDIOD	SDR-3000 Reference(RI)	1				C/T/B						D/T	44				CD transport, master clock sync with SDR-2000 Professional D/A converter.		
SPHINX	Myth 9(RI)	1	1	No	F			20-20 ±0.5	100	0.006		T/P/E/R	15	1995.00					
	Project 9(RI)	1	1	No	F/V	C/T		20-20 ±0.5	100	0.005		T/P/E/R	20	3495.00					
SYMPHONIC LINE	CD Reference(RI)	1	20	No	F	C		20-50 ±0.5		0.005	24	D/T/P	65	7500.00					
TANDBERG	TCP4035(RI)	1	16-8X	No	F	C		20-20 ±0.5	100	0.01	16	D/T/E	12	1495.00					
TEAC	VRDS-25(RI)	1	25-8X	No	V/B	C/T		0-20 ±0.3	110	0.0013	20	D/T/R	37	2700.00					
	VRDS-10SE(RI)	1	20-8X	No	V/B	C/T		1-20 ±0.3	110	0.0013	20	D/T/R	25	2100.00					
	VRDS-7(RI)	1	20-8X	No	F	C/T		1-20 ±0.3	110	0.0015	20	D/T/E	20	1000.00					
	VRDS-T1(RI)	1	18-8X	No	V/B	C/T		20-22 ±0.3	110	0.002	20	D/T/P/E	20	1199.00					
	PD-X100(RI)	1	1-8X	No	V/B			20-20 ±0.5	95	0.007	32	D/T/P/E	18	389.00					
	PD-D2200(RI)	5	18-8X	No	B/H	B		5-20 ±0.1	100	0.03	32	D/T	18	249.00					
	CD-P1100(RI)	101	16-2X	No	V/B/H		20-20 ±1	90	0.08	16	D/T/P	9	189.00						
TECHNICS	SL-MC410(RI)	110	1	No	V/B			2-20 ±1	100	0.007	32	T/R	15	300.00					
	SL-MC60(RI)	60	1	No	V/B			2-20 ±1	100	0.007	32	T/R	14	250.00					
	SL-PD687	5	1	No	V/B			2-20 ±1	100	0.007	32	D/T/E/R	10	169.95					
THETA DIGITAL	Data III Universal Transport	1				C/B					24	D/T/P/E/R	40	4500.00				CD/two-sided laserdisc transport; optional AT&T or proprietary digital outputs.	
	Data Basic II	1				C/B					20	D/T/P/E/R	18	1995.00				CD transport; optional AT&T or proprietary digital outputs.	
	Pearl(RI) Miles(RI)	1	18-4X	F	C/T		20-20.5 ±0, -0.2	102	0.008	24	D/T/E	21	1235.00				CD transport. Volume control; with balanced analog output, \$2500.00.		
	D/T/E	24	23	2095.00															
THDRENS	TCD 2000(RO)	1	16-4X		F/H	C		20-20 ±0.2	110		29	D/T/P/E/R	12	2960.00					
TIMBRE TECHNOLDGY	TT-2(RI)	1				C/T/A/B					24	D/T/P/E	20	3495.00				CD transport.	
	Serenade 1(RI)	1				C/B					24	D/T/P/E	15	1695.00				As above, optional AT&T output.	
TOSHIBA	SD3107(RI)	1	20	No	F/H	C/T	C/S/P	4-22 ±3	108	0.004	25	D/T/P/E	8	799.00				DVD player; up to 96-kHz sampling; 10-bit video DAC; Spatializer stereo image-expansion circuitry; display dimmer; jog/shuttle control.	
	SD3006(RI)	1	20	No	F	C	C/S/P	4-20 ±3	108	0.004	25	D/T/P	9	699.00				DVD player; 10-bit video DAC.	
	SD2107(RI)	1	20	No	F	C	C/S	4-22 ±3	108	0.004	25	D/T/P/E	7	599.00				As above; up to 96-kHz sampling; display dimmer.	
ULTECH AUDIOD	UCD-100(RI)	1	20-256X	Yes	F	C		5-20 ±1	110	0.001	16	D/T/P/E/R	15	895.00					
VAC	No. 23.1(RI)	1				C					24	D/T/P/E/R	20	1650.00				CD transport; peak level search; optional AES/EBU output.	
WADIA DIGITAL	Wadia 860(RI)	1	21-32X	No	V/B	C/T/A/B					20	D/T/P/E	48	7450.00				Digital volume control; digital inputs and outputs.	
	Wadia 850(RI)	1	21-32X	No	V/B						20	D/T/P/E	45	4950.00				Digital volume control; optional digital inputs (two coax, one Toslink, and one AT&T), \$995.00; optional digital outputs (one Toslink and one AT&T), \$495.00.	
	Wadia 7(RI) Wadia WT-2000 Upgrade	1				C/T/A/B					40	D/T/P/E	55	12,500				CD transport; external power supply. Mechanism upgrade for WT-2000 CD transport, external power supply.	
	1750.00																		
YAMAHA	CDX-390(RI)	1	1	No	F	T		20-20 ±0.5	105	0.003	20	D/T/P/E/R	8	219.00				S-Bit DAC.	
	CDC-765(RI)	5	20	No	V/H	T		20-20 ±0.5	115	0.0025	40	D/T/P/E/R	13	349.00				Pro-Bit and S-Bit Plus DAC; reloadable during play.	
	CDC-665(RI)	5	20	No	V/H	T		20-20 ±0.5	106	0.003	20	D/T/P/E/R	13	269.00				S-Bit DAC; reloadable during play.	
	CDC-565(RI)	5	20	No	F	T		20-20 ±0.5	102	0.004	20	D/T/P/E/R	13	199.00				As above.	
	DVD-1000(RI)	1	20	No	F	C/T	C/S	4-44 ±3	106	0.003	18	D/T/P	8	999.00				DVD/Video CD/CD player.	
	CDV-W901(RI)	1	1	No	V	T/3		4-20 ±0.5	115	0.0035	24	D/T/P/E/R	15	899.00				CD/two-sided laserdisc/karaoke player.	
	CDV-701K(RI)	1	1	No	V	T/3	C		98		24	D/T/P/E/R	16	899.00				CD/laserdisc/karaoke player.	
YBA	CD1(RI)	1	18	No										6000.00				Top-loading; external power supply.	
	CD2(RI)	1	18	No										4800.00				Top-loading.	
	CD3(RI)	1	18	No										3400.00				As above.	
	CD Intégré(RI)	1	18-4X	No					100	0.04			10	1795.00				As above.	



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# D/A CONVERTERS

MANUFACTURER	Model (R1)=Remote Included (RO)=Remote Optional	Sampling Rates 48 kHz-A, 44.1 kHz-B, 32 kHz-C	Conversion System: Number of Bits— Oversampling Rate	Number of Converters per Channel	Temp. Functions: Volume-V, Zone-Z, Source Selection-S	HDCD Decoding?	Provision for Future Upgrade? Board Replacement-B	ROM Change-R, Software Change-S	Analog Outputs: Fixed-F, Variable-V, Balanced-B	Digital Inputs Included Number and Type—See Code	Digital Outputs Included, Number and Type—See Code	Frequency Response for 44.1-kHz Sampling, Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Price, \$	Notes
ACCUPHASE	DC-91(RO) DC-61(RO)	A/B/C A/B/C	↑ ↑	16 6	V/S V/S	No	B B	F/B F/B	5C/5T/1A/2B 3C/2T	3C/3T/1B 2C/2T	4-20 ±0.3 4-20 ±0.3	120 120	0.002 0.0024	13,995 5995.00	†16 to 24 bits, 8X. Translates 44.1-kHz input signals to 48 kHz before converting.	
ADCOM	GDA-700	B	20-8X	1	S	Yes	No	F	2C/1T/1B	1C/1B	0-20 +0,-0.5	112	0.009	1000.00	Selectable polarity.	
ALCHEMIST	Forseti APD34A	A/B	21-124X		V/S	No	No	V/B	3C/1B	2C/1B	20-22 ±0.1	101	0.01	1900.00		
ALTIS AUDIO	Reference	A/B/C	20-8X	1		No	B/R/S	F/B	2C/1A	1C	20-24 ±0.05	102	0.01	4950.00	Tube output section; selectable polarity.	
AMC	DAC 8	A/B/C	1-128X	1	S	No	No	F	3C/1T	1C	20-20 ±0.3	104	0.005	199.95	18-bit resolution; digital tape output.	
ANALOG RESEARCH	Segue	A/B/C	20-8X	1		No	No	F/V	2C		2-20 +0,-0.2	103	0.01	2500.00	Selectable polarity.	
ARAGON	D2A2	A/B/C	20-8X	1	S	Yes	B	F	2C/1T/1B		20-20 ±0.2	110	0.005	999.00	Uses UltraAnalog AES 21.	
ARCAM	Delta Black Box 50 Delta Black Box 500	A/B/C A/B/C	↑ 1	2 2	V/S V/S	No No	B B	F V	1C/1T 2C/2T/1B	1C 1C/1T	10-20 ±0.5 20-20 ±0.05	103 105	0.005 0.005	899.00 1500.00	†Hybrid, 18-bit/1-bit. Selectable polarity.	
ASSEMBLAGE	DAC-2	A/B/C	20-8X	1		Yes	Yes	F	2C/1T		20-20 +0.1,-0.5	107	0.005	499.00	Kit; selectable polarity; optional parts upgrade kit, \$149.00.	
AUDIO ANALOGUE	Vivaldi	B	20-8X	1		No	No	F	1C/1T	1C/1T	20-20 ±0.2	98	0.007	2200.00	Optional isolated BNC input.	
AUDIO BY VAN ALSTINE	Ωmega III FET Valve	B B	16-4X 16-4X	1 1		No No	B B	F F	1C/O 1C/O		15-20 ±0.3 15-20 ±0.2	96 97	0.02 0.02	499.00 899.00	Optional Toslink input, \$100.00. As above; tube/transistor hybrid.	
AUDIOLAB	8000DAC	A/B/C	20-8X			No		F	3C/3T/1B	1C	2-20 ±0.5	100	0.003	1099.00	Dual analog outputs.	
AUDIO LOGIC	34 dsb	A/B/C	20-256X	4		No	B/R/S	F/B	1C/1A/1B/1O	1C	4-20 +0,-0.1	103	0.01	4800.00	Tube output stage; optional I <sup>2</sup> S input.	
AUDIO MATIÈRE	Arpège					No		F	2C/1T			98		4550.00	Tube output stage.	
AUDIOMECA	Elixir Ambrosia		1-256X	1		No No		V V			20-20 ±0.1		0.01	1295.00 2495.00		
AUDIO NOTE	DAC 1 DAC 2 DAC 3 DAC 3 Signature DAC 4 DAC 4 Signature	A/B A/B A/B A/B A/B A/B A/B	20-20X 20-20X 20-20X 20-20X 20-20X 20-20X 20-20X	1 1 1 1 1 1 1		No No No No No No No		F F F F F F F	2C/1T 2C/1T 2C/1T 2C/1T 2C/1T 2C/1T 2C/1T					1295.00 1995.00 3195.00 5295.00 8950.00 17,800	Tube analog stage. As above. As above. As above. As above.	
AUDIO RESEARCH	DAC3 MKII	B	1-64X	1	S	No	No	F/B	C/T/A/B	C/B	0.1-20 ±0.2	90	0.005	3995.00	Tube output stage.	
AUDIO SYNTHESIS	DAX-2	A/B/C	20-8X	2			B	F	1C/1T/1A/1B		1-20 ±0.25	108	0.0002	4695.00	With balanced analog outputs, \$6195.00.	
BENCHMARK MEDIA SYSTEMS	DAC2004	A/B/C	20-128X	2		No	R	V/B	2C or 2B		20-20 ±0.1	114	0.0004	2200.00	Four-channel analog out; analog output level internally adjustable; upgradable to 24-bit.	
BOULDER AMPLIFIERS	2020(RI)	A/B/C	20-8X	5		No	B/R/S	F/B	1T/1A/4B	2B				32,000	Variable delay (0 to 8 ms) in either channel to compensate for small speaker-distance differences.	
CAIRN	Cervin Bernina(RI)	B B	1-8X 20-8X	1 2		No Yes	B B	F B	1C/1T 2C/1T/1B	1C 1C	20-20 ±0.5 20-20 ±0.5	90 96	0.03 0.03	600.00 1750.00		
CALIFORNIA AUDIO LABS	Sigma II Alpha Gamma	A/B/C A/B/C A/B/C	1-64X 1-64X 1-32X	1 1 1	S S S	Opt. Opt. No	B B B	F F F	1C/1T 1C/1T/1A/1B 1C/1T		5-22 +0,-0.05 5-22 +0,-0.05 10-22 ±0.2	100 100 95	0.02 0.01 0.02	750.00 1495.00 295.00	Delta-Sigma DAC; tube analog stage; optional AT&T or AES/EBU inputs. Delta-Sigma DAC; tube analog stage; standby switching. Delta-Sigma DAC, 12-V DC powered; includes AC adaptor.	
CAMBRIDGE AUDIO	DAC Magic 2	A/B				No	No		C/B	1C/1T				599.00	Dual-differential DAC.	
CAMELOT TECHNOLOGY	Arthur v3.0 Uther v1.0 Uther v2.0(RI) The Dragon v2.0 The Dragon Pro 2	A/B/C A/B/C A/B/C A/B/C	20-8X 20-8X 20-8X	1 2 2	S V/S S S	Yes Yes Yes	No No No	F F/V/B F F	C/T/B/O 2C/1T/1A/2B/2O C/T/A/B C/T/A/B/O	C/O C/B/O C/B/O				899.00 1995.00 2995.00 699.00 1495.00	I <sup>2</sup> S inputs; passive analog filtering; optional AT&T input. Fully balanced analog and digital circuitry; I <sup>2</sup> S inputs; selectable dither. Dual-PLL jitter-reduction device; I <sup>2</sup> S output. Dual-PLL jitter-reduction and resolution-enhancement device.	
CELLO LTD.	Reference	A/B/C	20-8X	1	S	No	B/R/S	F/V/B	2C/4B		20-20 ±0.5	108.5	0.005	11,000	UV-22 encoding.	
CHORD ELECTRONICS	DSC 1100(RI) DSC 1500(RI)								1C 1C/3T/1B	1C 1C/1T/1B		110 110	0.003	4500.00 6750.00		
CINEPRO PROFESSIONAL	Brasfield/ Cinepro MSC-1 Brasfield/ Cinepro MSC-3	A/B/C A/B/C	16/24- 256X 16/24- 256X	2 2	V/S V/S	Yes Yes	B B	V/B V/B	6C/6B 6C/6B	1C 1C	20-20 ±0.05 20-20 ±0.05	135 135	0.0005 0.0005	20,000 60,000	63-step relay attenuator. As above; three separate two-channel DACs; includes external DTS/Dolby Digital decoder.	



# D/A CONVERTERS

MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Sampling Rates: 48 kHz - A, 44.1 kHz - B, 32 kHz - C	Conversion System: Number of Bits - Oversampling Rate	Number of Converters per Channel	Preamp Functions: Volume - V, Zone - Z, Source Selection - S	HDCD Decoding?	Provision for Future Upgrade? Board Replacement - B	ROM Change - R, Software Change - S	Analog Outputs: Fixed - F, Variable - V, Balanced - B	Digital Inputs Included: Number and Type - See Code	Digital Outputs Included: Number and Type - See Code	Frequency Response for 44.1 kHz Sampling: Hz to kHz, ±dB	S/N, A-Weighted, dB	THD, %	Price, \$	Notes
CLASSE AUDIO	DAC-1	A/B/C	20-8X	1	Yes	B/R/S	F/B	2C/1T/1A/1B				20-20 ±0.1	110	0.003	3995.00	Dual DAC.
CONRAD-JOHNSON	DA3 DA2 B		1-256X 1-256X	1 1	S S	No No	B B	F F	2C/1T 2C/1T	1C		20-20 ±0.5 20-20 ±0.5		0.1 0.1	1195.00 1995.00	Tube analog section; optional AT&T input.
dCS	Elgar(RI)	†	5-64X	1	V/S	No	B/R/S	F/V/B	2C/1T/1A/2B			1-20 ±0.15	110		12,000	24-bit DAC/digital preamp (see also "Preamps"). †96, 88.2, 48, 44.1, and 32 kHz.
	950(RO)	A/B/C	5-64X	1	S	No	B/R/S	F/V/B	3C/2B/10			1-20 ±0.15	110		6850.00	24-bit DAC; SDIF-2 input; Toslink and AT&T inputs may be substituted for coaxials; word-clock output.
	952(RO)	†	5-64X	1	S	No	B/R/S	F/V/B	3C/2B/10			1-20 ±0.15	110		9850.00	As above.
DENON	OA-S1	A/B/C	20-8X	2	S	No		F/B	2C/1T/1A/1B	1T/1A		20-20 ±0.2	120	0.0015	7000.00	Proprietary DAC; master clock sync with DP-S1 CD transport.
DODSON AUDIO	DAC-263	A/B/C	20-8X	2	S	Yes	B	F	1C			20-20 ±0.1	110	0.0015	1995.00	Selectable polarity; optional AT&T or AES/EBU inputs; optional balanced analog outputs.
	DA-217	A/B/C	20-8X	2	S	†	R/S	F	2C/1T			20-20 ±0.1	115	0.001	2795.00	Optional AT&T or AES/EBU input. †HDCD, \$200.00.
DPA DIGITAL	PDM 1024	A/B/C	24-384X			No	B	F/B	2C/1T/1A	1C/1T/1B		20-20 ±0.1	98	0.01	11,500	Proprietary DAC; master clock sync with OPA CD player or CD transport.
	PDM 256	A/B/C	24-192X			No	B	F/B	2C/1T/1A	1C/1T/1B		20-20 ±0.1	98	0.01	6600.00	As above.
	PDM Two Enlightenment DAC	A/B/C	1-384X	1		No	B	F	2C/2T	1C/1T		20-20 ±0.5	109	0.008	4295.00	Clock sync as above.
	Renaissance DAC	A/B/C	24-96X			No	B	F	1C/1T	1C/1T		20-20 ±0.5	98	0.01	1595.00	As above; proprietary DAC.
	TLB-III	A/B/C	24-48X			No	B	F	1C/1T	1C/1T		20-20 ±0.5	98	0.01	1049.00	As above.
	TLB-III	A/B/C	24-24X			No	B	F	1C/1T	1C/1T		20-20 ±0.5	98	0.01	595.00	As above.
EAD	TheaterMaster Encore(RI)	A/B/C	20-8X	1	V/S	No	B/R/S	V	4C/1T/1A	1C		10-22 ±0.4	98	0.001	2495.00	DAC/preamp/surround (see also "Preamps" and "Surround Processors").
	TheaterMaster Ovation(RI)	A/B/C	20-8X	1	V/S	Yes	B/R/S	V/B	4C/1T/1A	1C		10-22 ±0.4	110	0.001	3995.00	As above.
	TheaterMaster Signature(RI)	A/B/C	20-8X	1	V/S	Yes	B/R/S	V/B	4C/1T/1A	1C		10-22 ±0.4	113	0.001	5995.00	As above.
ELECTRO-COMPANET	DAC 1	A/B/C	18-256X			No	B	F/B	2C/1B			20-20 ±0.1	108	0.005		
ELITE	SP-99D(RI)	B	18-8X	1	S	No	No	F	1C/1T/10	None		20-20 +0,-3	98	0.008	1000.00	DAC/surround (see also "Surround Processors"); Dolby Digital (AC-3) RF input.
ENCORE	Ovation 4	A/B/C	20-8X	2	S	Yes	B	F	1C/1B			0.01-20 +0,-0.1	110	0.01	1995.00	Optional balanced DACs and balanced analog outputs, \$730.00; optional AT&T input, \$200.00.
	Pyramid 1 DAC	A/B/C	20-8X	2	S	Yes	B	F	1C/1A/1B			0.01-20 +0,-0.1	110	0.01	3600.00	Selectable polarity and analog filter setting; optional balanced DACs and balanced analog outputs, \$900.00; optional Toslink-to-AT&T adaptor.
	Pyramid 1 System(RI)	A/B/C	20-8X	2	V/S	Yes	B	F/V/B	1C/1T/1A/1B	2A/2B		0.01-20 +0,-0.1	115	0.01	14,600	Controller and separate mono DAC modules with analog preamps; selectable polarity and analog filter settings; both analog and digital, balanced and unbalanced inputs and outputs.
ENSEMBLE	Dichrono DAC (EC)	A/B/C	†	1	S	Yes	B	F/B	4C/1B			20-20 ±0.06	110	0.001	9400.00	†16 to 24 bits, 8X oversampling. Selectable polarity; one or more AT&T inputs optional.
	Dichrono DAC/PRE (EC)	A/B/C	†	1	V/S	Yes	B	F/V/B	4C/1B	1C		20-20 ±0.06	110	0.001	11,500	DAC/Class-A preamp (see also "Preamps"); as above.
ENTEC	Number Cruncher 1.1	A/B/C	†			No	B	F	2C			0-20 ±0.1			3995.00	†Delta-Sigma DAC. Includes data-transmitter module (fits on CD players).
	Number Cruncher 1.5	A/B/C	†			No	B	F	1C	1C		0-20 ±0.1			4995.00	As above; upgrades of above model's capacitors, wiring, and data pump; includes digital cable.
ENTEC BY MONSTER	Number Cruncher 250		20		S			F	1C/1T						249.00	Sigma-Delta DAC; selectable polarity.
	Number Cruncher 450		20		S			F	1C/1T						349.00	As above.
	Number Cruncher 650		20		S			F	1C/1T/1B						549.00	As above; digital THX EQ.
GENESIS TECHNOLOGIES	Genesis Digital Lens	A/B/C					S		1C/1T/1A/1B	1C/1T/1A/1B					1800.00	Jitter-reduction device; temperature-controlled reclocking oscillator; 20-bit output.
GOLDMUND	Mimesis 20	A/B/C			V/S	No	Yes	F/B	†	2C/2T		20-20 ±0.05	110	0.001	25,000	†Eight (choice of type).
	Mimesis 10+	A/B/C			V/S	No	Yes	F	†	2C/2B		20-20 ±0.1	100	0.005	11,990	†Eight (choice of type).
	Mimesis 12+	A/B/C			S	No	Yes	F	†			20-20 ±0.1	96	0.006	3990.00	†Three (choice of type).
	Mimesis 14	A/B/C			S	No	Yes	F	1C/1B			20-20 ±0.1	90	0.006	2490.00	Toslink or AT&T may be substituted for AES/EBU input.

# D/A CONVERTERS

MANUFACTURER	Model (R) = Remote Included, (RO) = Remote Optional	Sampling Rates: 48 kHz = A, 44.1 kHz = B, 32 kHz = C	Conversion System: Number of Bits— Oversampling Rate	Number of Converters per Channel	Preamp Functions: Volume-V, Tone-T, Source Selection-S	HDCD Decoding?	Proton for Future Upgrade? Board Replacement-B	ROM Change-R, Software Change-S	Analog Outputs: Fixed-F, Variable-V, Balanced-B	Digital Inputs: Included Number and Type—See Code	Digital Outputs: Included, Number and Type—See Code	Frequency Response for 44.1-kHz Sampling Hz to kHz, ±3dB	S/N, A-Weighted, dB	THD, %	Price, \$	Notes
IMPACT TECHNOLOGY	ITDAC	A/B/C	20-64X	1		Yes	B/R/S	F/B	2C	1C	20-20 ±0.1	105	0.006	2995.00	Optional AES/EBU input and output.	
JADIS	JS1 JS2 JS3													12,325 5495.00 3995.00	Tube, external power supply. Tube.	
JRM	DA-20P	†	24-8X	4	V/T/S	No		F/V	4C/4B	1C/1B	0-20 ±0.1		0.001	2610.00	Preamp/DAC (see also "Preamps"); compatible with variable-pitch CD players; 24-bit input; four analog inputs; connections for Remote Unit equalizer. †Sampling rates from 25 to 50 kHz.	
KDRA ELECTRONIC CONCEPT	Hermes	A/B/C	18-256X	1		No	B	F	1C/1B		10-20 ±0.1	107	0.01		Tube output stage; selectable polarity.	
LANGEVIN	20 Bit D to A Langevin	A/B/C	20-8X	1	V/S	No	No	V	1C/1B		20-20 ±0.1	110	0.002	1575.00	Selectable polarity; UltraAnalog DAC.	
LEGEND AUDIO DESIGN	The Legend													4995.00		
MARK LEVINSON	No. 30.5 No. 36 No. 36S	A/B/C A/B/C A/B/C	20-8X 20-8X 20-8X	2 2 2	S S S	Yes Yes Yes	B B B	F/B F/B F/B	2C/2T/1A/3B 2C/1T/1A/2B 2C/1T/1A/2B	1T/2B 1B 1B	20-20 ±0, -0.2 20-20 ±0.01 20-20 ±0.01	105 105 105	0.003 0.001 0.001	15,950 3995.00 6495.00	Upgrade of No. 30; external power supply. Communicates with Mark Levinson 30 Series components. As above.	
LEXICON	DC-1(RI)	B	20-128X	2	V/T/S		B/R/S	V	2C/2T		10-20	90	0.01	1995.00	Preamp/DAC/surround (see also "Preamps" and "Surround Processors").	
LINN	Numerik	B	20-8X	1		No		F	2C					2595.00	Master clock sync with Karik CD player.	
MACH 1 ACOUSTICS	DMS Standard DMS Reference	A/B/C A/B/C	20-8X 20-8X	1 1			No No	F/B F/B	1C/1T/1B 1C/1T/1B		20-20 ±0.01 20-20 ±0.01	105 105	0.001 0.001	1795.00 2295.00		
MANLEY LABS	Reference Lab Series Delta Sigma	A/B/C A/B/C	20-8X 1	1 1	V/S V/S	Yes No	No No	V/B V	3C/1A/3B 1C		20-20 ±0.1 20-20 ±0.1	110 100	0.002 0.002	10,560 1150.00	UltraAnalog DACs and AES 21 input receiver; selectable polarity; fully differential; tube output. Tube output.	
MBL	1511 1611(RI)	A/B/C A/B/C	20-128X 20-128X	1 1	S V/S	No No	B/R/S B/R/S	F/B F/B	2C/1T/1B 4C/2T/2A/2B	1C 2C	0-20 ±0.5 0-20 ±0.5	112 112	0.0007 0.0007	5980.00 14,100	Optional AT&T input. Optional analog input and variable analog output.	
MCCORMACK AUDIO	Digital Drive DAC-1	B	18-256X	1	S	No	B	F	1C/1T		0.5-20 ±0.5	92	0.01	995.00	Selectable polarity; optional AT&T and AES/EBU inputs.	
MERIDIAN	566	A/B/C	20-64X	2		No	B/S	F/V/B	3C/1T/1B		20-20		0.003	1995.00		
MICROMEGA	Dialog DAC	B B	1-256X 1-256X	2 2		No No	B/R/S B/R/S	F/B F/B	C/T/A/B C/T/A/B		0-20 ±2 0-20 ±2	96 96	0.01 0.01	2995.00 1095.00	Selectable polarity.	
MONARCHY AUDIO	22C 33	B B	20 20-8X	1 1	S V/S	No No	No B	F F/V/B	1C/1T/1B 1C/1T/1B		20-20 ±0.1 20-20 ±0.1	105 105	0.003 0.005	980.00 1199.00	Digital dither and de-emphasis. Preamp/DAC (see also "Preamps"); selectable amp gain.	
MSB TECHNOLOGY	The Link Gold PS-2 Triple DAC	A/B/† A/B A/B	24 24 24	4 4 4	S	No No No	No No No	F F F	1C/1T 1C/1T/1A 1C/1T		20-20 ±0.1 20-20 ±0.1 20-20 ±0.1	100 100 100	0.007 0.007 0.007	295.00 3395.00 995.00	†96-kHz capability. Six channels.	
MUSEATEX AUDIO	BiDAT(RO) iDAT	A/B/C B	1-192X 1-96X	1 2	V V/S	No No	R/S R/S	F/V/B F	1C/1T/1A/1B 1C/1T	None None	20-20 ±0.1 20-20 ±0.15	100 100	0.01 0.01	1999.00 999.00	Signal reclocking based on data-word preamble; selectable polarity. Signal reclocking as above.	
MUSICAL DESIGN	DAC-1A DAC-1A20 DAC-1A Signature	A/B/C A/B/C A/B/C A/B/C	18-8X 20-8X 20-8X 20-8X	1 1 1 1		Yes Yes Yes	B B B B	F F F F	2C 2C 2C 2C		20-20 ±0.1 20-20 ±0.1 20-20 ±0.1	100 103 103	0.005 0.005 0.005	995.00 1195.00 1995.00	Selectable polarity; optional digital inputs (BNC coaxial or AES/EBU). Selectable polarity.	
PARASOUND	D/AC-2000 D/AC-1600HD D/AC-1100HD	A/B/C A/B/C A/B/C	20-8X 20-8X 20-8X	1 2 1		Yes No Yes	No F/B No	F/B F/B F	1C/1T/1A/1B 1C/1T/1A/1B 2C/1T/1B	1C 1C 1C	2-22 ±0.1 2-20 ±0.1 2-20 ±0.1	110 105 105	0.005 0.005 0.005	1995.00 1450.00 950.00	UltraAnalog DAC.	
PATHOS	In Transfer		8	1		No	No	F	1C	1C	2-60 ±0.3	100		2900.00		
PINK TRIANGLE	Ordinal	A/B/C	1-196X	1	S	Yes	B	F	†	†	2-22 ±0.1	112	0.005	2295.00	Master clock sync with Cardinal CD transport. †Includes one coaxial digital input; accepts two input or input/output modules.	
POLYFUSION AUDIO	220 230 800 805 900 905	A/B/C A/B/C A/B/C A/B/C A/B/C A/B/C	20-8X 20-8X 20-8X 20-8X 20-8X 20-8X	1 1 1 1 1 1		No Yes No S V/S V/S	B B B B B B	F F F F F/V/B F/V/B	1C/1A 1C/1A 3C/2A 2C/2A/10 3C/2A 2C/2A/10	None None None None None None	10-20 ±0.2 10-20 ±0.2 10-20 ±0.2 10-20 ±0.2 10-20 ±0.2 10-20 ±0.2	104 106 104 106 104 106	0.006 0.006 0.006 0.006 0.006 0.006	1250.00 1750.00 2750.00 3250.00 3750.00 4250.00	Module for Polyfusion Audio 940 preamp. As above. Includes external DC power supply. As above. DAC/preamp; includes external DC power supply. As above.	



# D/A CONVERTERS

MANUFACTURER	Model (R) = Remote Included (RO) = Remote Optional	Sampling Rate: 48 kHz-A, 44.1 kHz-B, 32 kHz-C	Conversion System: Number of Bits Oversampling Rate	Number of Converters per Channel	Preamp Functions: Volume-V Tone-T, Source Selection-S	HDCD Decoding?	Provision for Future Upgrade? Board Replacement-B ROM Change-R, Software Change-S	Analog Outputs: Fixed-F, Variable-V, Balanced-B	Digital Inputs Included, Number and Type-See Code	Digital Outputs Included, Number and Type-See Code	Frequency Response for 44.1 kHz Sampling, Hz to kHz $\pm$ dB	S/N, A-Weighted, dB	THD, %	Price, \$	Notes
PROCEED	DAP	A/B/C	18-8X	2	V/S	Yes	B	F/V/B	2C/1T/1A/1B	1C	20-20 $\pm$ 0.01	90	0.002	1995.00	Remote capable.
PS AUDIO	SL3 DL3	A/B/C A/B/C	20-8X 20-8X	1 1	S S	Yes †	No No	F/B F	C/T/B C/T/B		20-20 +0,-0.3 20-20 +0,-0.3	100 100	0.003 0.003	1295.00 695.00	†With HDCD, DL3H, \$895.00.
R. E. DESIGNS	LNDAC-1	A/B/C	20-8X	1		No	B/R/S	F	C		20-20 +0,-0.2	110	0.004	2200.00	Switchable dither.
RESOLUTION AUDIO	D20	A/B/C	22-8X	4		Yes	B/R/S	F/B	2C/1T/1A/1B					8495.00	Master clock sync with T30 CD transport.
REVOX	DLC-1 A/D(RO)	A/B/C	†	1	V/T/S	No	B/R	V	3C/3T/1O	3C/2T	20-20 $\pm$ 0.2	100	0.001	3000.00	A/D converter; four analog inputs (including MM/MC phono); DB-9 digital input. †18-bit, 256X resampled.
ROKSAN AUDIO	Attessa DA2	A/B/C	18-64X	1	S	No	No	F	4C		20-20 $\pm$ 0.5	110	0.003		Optional AT&T input.
ROTEL	RDP 980	A/B/C	1-64X	2	S	No	No	F/B	4C/4T	1C/1T	5-20 $\pm$ 0.5	110	0.0025	700.00	Tape monitor.
SONIC FRONTIERS	Processor 3	A/B/C	20-8X	2		Yes	B	F/B	2C/1T/1A/1B/1O	1C				6995.00	External power supply; modular design; I <sup>2</sup> S digital interface.
SPECTRAL AUDIO	SDR-2000 Professional	A/B	20-8X	2		Yes	B/R	F/B	3C/1T/2B		0-22 $\pm$ 0.3	120	0.002		External DPS-2000 power supply; optional AT&T input; master clock sync with SDR-3000 Reference CD transport.
TEAC	D-T1	A/B/C	18-8X	1	S	No	No	V/B	2C/2T	1C/1T	1-20 $\pm$ 0.3	110†	0.002	900.00	†At 1 kHz.
THETA DIGITAL	Casablanca(RI)	A/B/C	20-8X	2	V/S	Opt.	B/R/S	F/V/B	6C/2T	2C	20-21 +0,-0.2	120	0.002	4595.00	Modular digital preamp/DAC (see also "Preamps"); additional digital inputs optional; optional surround processing boards. Selectable polarity.
	Cobalt 307 Chroma	A/B/C A/B/C	18-8X 18-8X	1 1	S S	No Opt.	No B	F F	1C/1T 1C/1T	1C 1C	20-20 +0,-0.2 20-20 +0,-0.2	100 100	0.009 0.009	599.00 675.00	As above; optional balanced analog output; HDCD decoding, \$750.00.
	Progeny-a	A/B/C	18-4X	1	S	No	B/R/S	F	1C/1T	1C	20-20.5 +0,-0.2	102	0.008	995.00	Selectable polarity; optional AT&T or proprietary digital input.
	Prime II-a	A/B/C	18-4X	2	S	No	B/R/S	F/B	1C/1T	1C	20-20.5 +0,-0.2	108	0.002	1499.00	As above.
	DS Pro	A/B/C	20-8X	2	S	Opt.	B/R/S	F/B	3C/1T/1B	1C	20-21 +0,-0.2	120	0.002	2695.00	As above.
	Basic III-a	A/B/C	20-8X	2	S	Opt.	B/R/S	F	3C/1B	1C	20-21.7 +0,-0.2	120	0.002	3795.00	As above.
	DS Pro	A/B/C	20-8X	2	S	Opt.	B/R/S	F/B	3C/1B	1C	20-21.7 +0,-0.2	120	0.002	5595.00	As above.
	Generation V-a Single Ended	A/B/C	20-8X	2	S	Opt.	B/R/S	F/B	3C/1B	1C	20-21.7 +0,-0.2	120	0.002	5595.00	As above.
	Generation V-a Balanced	A/B/C	20-8X	2	S	Opt.	B/R/S	F/B	3C/1B	1C	20-21.7 +0,-0.2	120	0.002	5595.00	As above.
THOR AUDIO	DC-1000	†		1			R/S	F	C/A/B/O		4-22.1 +0,-0.25	108	0.01	7750.00	†44.1 and 96 kHz. I <sup>2</sup> S input.
THORENS	TDA 2000	A	21-192X	2				F	2C/1T	1C	5-20 $\pm$ 0.1	117	0.0009	2000.00	
THRESHOLD	DAC 2	A/B/C	20-8X	2		Yes	B	F	1C/1T/1A/1B	1C	20-20 +0,-0.1	110	0.003	4690.00	External power supply; selectable polarity.
TIMBRE TECHNOLOGY	TT-1	A/B/C	1-256X	1	S	No	B/S	F	2C/1T/1A	None	20-20 $\pm$ 0.1	96	0.005	3295.00	Selectable polarity; with balanced analog output and with coaxial, Toslink, AT&T, and AES/EBU inputs (one each), \$3895.00, options as upgrade, \$850.00.
ULTECH AUDIO	HDCD-10 Theater Center	A/B/C A/B/C	20-256X 16X	1 1	V/S	Yes Yes	No R	F V/B	1C/1T 1C/1T/1O	1C	5-20 +0.1 20-20	103	0.001 0.003	895.00 3995.00	DAC/preamp/surround (see also "Preamps" and "Surround Processors"); Dolby Digital (AC-3) demodulation and decoding.
VAC	No. 22.1(RO)	A/B/C	18-8X	1		Yes	B	F	2C		10-20 $\pm$ 0.1	94	0.025	1890.00	Triode tube analog stage; optional volume control and source selection; optional AT&T and AES/EBU inputs.
	DAC MkII	A/B/C	1-512X	2	S	No	B	F/B	2C/1A	1C	4-20 +0,-0.5	96	0.04	4990.00	External power supply; Class A; tube analog stage; no negative feedback; selectable polarity; optional AES/EBU inputs and output.
WADIA DIGITAL	Wadia 9(RI)	A/B/C	22-64X	4	V/S	No	B/R/S	V/B	3A					13,500	Software based; external power supply.
	Wadia 27(RI)	A/B/C	22-64X	4	V/S	No	B/R/S	V/B	2C/1T/2A/1B					8450.00	Software based.
	Wadia 25(RI)	A/B/C	21-32X	2	V/S	No	B/R/S	V/B	2C/1T/2A/1B					4750.00	As above.
	Wadia 2000 Upgrade(RI)	A/B/C	22-64X	4	V/S	No	B/R/S	V/B	1A					3690.00	As above; with additional input (coaxial, AT&T, or AES/EBU), \$4490.00.
	Wadia 64.4 Upgrade(RI)	A/B/C	22-64X	4	V/S	No	B/R/S	V/B	2C/1T/1A					3690.00	Software based.
	Wadia 17	A/B	†		S		B/R/S			1C/1T/3A/1B				3250.00	A/D converter; four analog inputs. †1-bit, 64X resampled.
WOODSIDE	DVAC-18	A/B/C	18-64X	1	S	No		F	4C	1C	10-20 $\pm$ 0.1	110	0.002	2395.00	Tube analog stage; selectable polarity.

# aragon

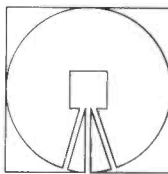


## Aragon 8008x3 The only amplifier rated Class A by the *Stereophile* Guide To Home Theater

The following is Thomas J. Norton's quote from the Spring 1997 issue Vol. 3 No. 1 explaining why the Aragon is the only amplifier to achieve the Class A rating.

"Calling it 'an open window on the source,' TJN found this three-channel version of the 'terrific' two channel 8008 to be a superb performer on both music and movies. 'At the bottom end,' he said, 'you will look long and hard to find an amplifier that

better the Aragon.' As for the midrange, 'it had a convincing clarity, with a slightly laid back quality and an excellent sense of depth. There was no glare or edginess; the sound was neither veiled nor closed in.' Finally, TJN found the 'top end transparent and finely detailed. Resolution is excellent; there is a sense of seeing into the soundstage that is not bettered by any multichannel amplifier in my experience.'"



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CIRCLE NO. 77 ON READER SERVICE CARD



# AMPLIFIERS

MANUFACTURER	Model (R)=Remote Included, (RO)=Remote Optional	Integrated Amp=L, Power Amp=P, Tube=T, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kiloohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP					A/V		Notes			
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to KHz	Class of Output Operation	Dynamic Headroom, dB		Number of Video Inputs	Surround Processing—See Code	Weight, Pounds (To Nearest Pound)
AB INTERNATIONAL ELECTRONICS	9220	P	2	Yes	15	750		350	590	0.05	20-20	AB2	1.5		34	1299.00	Bridgeable. As above. As above; clipping indicators. As above. Bridgeable; with LED power meters and soft clip. Model 1590, \$1339.00. †1000 watts x 3. †600 watts x 3. †500 watts x 2 and 900 watts x 1. ††850 watts x 2 and 1500 watts x 1. ††270 watts x 2 and 525 watts x 1.	
	9420	P	2	Yes	15	750		525	825	0.05	20-20	AB2	1.5		39	1499.00		
	1650	P	2	Yes	15	750		270	425	0.02	20-20	AB2	1.5		26	886.00		
	1450	P	2	Yes	15	750		145	240	0.02	20-20	AB2	1.5		22	649.00		
	1550	P	2	Yes	15	1.5V		330	540	0.1	20-20	AB	1.5		33	1179.00		
	6600	P	6	Yes	30	750	No	300	500	†	0.05	20-20	AB		62	2770.00		
	6300 SUB3600	P	6	Yes	30	750	No	150	300	†	0.05	20-20	AB		45	2030.00		
SUB2000	P	3	Yes	30	750	No	†	††		0.05	20-20	AB		65	2770.00			
ACCUPHASE	A-100	P	1	Yes	†	1.1V		100	200	0.01	20-20	A			126	15,695	†Balanced, 40 kilohms; unbalanced, 20 kilohms. Logic-controlled relays for signal routing; without phono stage, E-210, \$2495.00.	
	A-50	P	2	Yes	†	110		50	100	0.02	20-20	A			107	14,995		
	A-20	P	2	Yes	40	500		20	40	0.02	20-20	A			48	5795.00		
	P-700	P	2	Yes	†	120		350	500	0.02	20-20	AB			93	12,995		
	P-550	P	2	Yes	†			270	420	0.02	20-20	AB			73	8995.00		
	P-450	P	2	Yes	40	1.59V	No	200	300	0.02	20-20	AB			68	6000.00		
	P-350	P	2	Yes	†			150	210	0.02	20-20	AB			52	3500.00		
	E-406V(RI)	I	2	Yes	40	147	Opt.	170	220	0.02	20-20	AB			51	7000.00		
	E-306(RI)	I	2	Yes	†	113		100	140	0.04	20-20	AB			45	4625.00		
	E-210A(RI)	I	2	Yes	†	201	Yes	80	110	0.04	20-20	AB			41	2670.00		
	ACURUS	A200	P	2	No	20		No	200	300	0.06	20-20	AB	3		35		999.00
A200x3		P	3	No	20		No	200	300	0.06	20-20	AB	3		45	1399.00		
A100		P	2	No	20		No	100	150	0.06	20-20	AB	3		22	649.00		
A100x3		P	3	No	20		No	100	150	0.06	20-20	AB	3		35	949.00		
DIA100		I	2	No	10	200		No	100	150	0.09	20-20	AB	3	0	35	1099.00	
DIA150 Remote		I	2	No	10	200		No	150	200	0.09	20-20	AB	3	0	35	1499.00	
ADCOM		GCA510	I	2				No	50	75	0.075	20-20	AB	2.3		15	400.00	†Balanced, 10 kilohms; unbalanced, 105 kilohms. †100 watts x 3 and 80 watts x 2. ††150 watts x 3 and 100 watts x 2.
	GFA5802	P	2	Yes	†		No	300	450	0.15	20-20	A/AB	2.3		55	1750.00		
	GFA5500	P	2					200	350	0.18	20-20	AB			50	1000.00		
	GFA5400	P	2					125	200	0.18	20-20	AB			40	700.00		
	GFA5300	P	2					80	125	0.18	20-20	AB			35	450.00		
	GFA5200	P	2					150	80	0.18	20-20	AB			30	350.00		
	GFA7000	P	5					125	180	0.09	20-20	AB			50	1300.00		
	GFA6000	P	5					†	††	0.09	20-20	AB			38	900.00		
GFA5503 GFA2535L	P	3					200	350	0.18	20-20	AB			60	1300.00			
ADS	PH6	P	6	No	10	915	No	70	110	0.02	10-89	AB	3		46	2499.00	Bridges to three, four, or five channels; operates into 1 ohm; auto turn-on. Fan-cooled; remote turn-on for each channel.	
	PA8	P	8	No	25	700	No	30	50	0.03	10-20 ±0.1	AB			20	1500.00		
AIR TIGHT	ATM-1	P/T	2	No	100	100		36	72	0.01	20-20				49	4195.00	Bridgeable. As above. †Triode mode, 55 watts into 8 ohms and 110 watts into 4 ohms; Ultra-Linear mode, power doubled. Ultra-Linear operation.	
	ATM-2	P/T	2	No	100	100		80	160	0.07	20-20				71	6695.00		
	ATM-3	P/T	1	No	100	100		†	†	0.08	20-20				55	11,500		
	ATM-4	I/T	2	No	100	800		24	50	0.01	20-20				51	3395.00		
ALCHEMIST	Forseti APD20SS	P	2				No	100	200	0.05	20-20	AB			49	3300.00	Discrete inputs. External power supply. †Bridges to 150 watts with Alchemist Kraken APD7A preamp. External power supply. Dual output terminals for bi-wiring. As above. Preamp output.	
	Kraken APD8A	P	2	No	880			55	†	0.05	20-20	A			22	1100.00		
	Kraken APD6A	I	2	No	47	300		55	80	0.05	20-20	A			22	1200.00		
	Forseti APD20A	P	2	Yes	15	700		150		0.05	20-20	AB			25	2450.00		
	Forseti APD15A	I	2	No	47	300		100	170	0.021	20-20	AB			35	1750.00		
	Nemesis APD22A	I	2	No	47	300		75	130	0.05	20-20	AB			24	1400.00		
	Maxim APD30A	P	2	No	20	270	Yes	32	45	0.05	20-20	AB			12	750.00		
The Statement Stereo APD27A	I	2	Yes	20	800		20	350	0.05	20-20	A/AB			72	6745.00			
The Statement Mono APD25A	P	1	Yes	100	860		55	55	0.05	20-20	A			178	18,000			
ALPHA AUDIO LABORATORY	2070 Classic	I/T	2	No	85	500	No	60	60	0.1	15-20	AB	1.2	4	37	1895.00	Stainless-steel chassis; Gold Classic, with gold-plated chassis, knobs, and switches, \$3550.00.	
	2080 Reference 4020 Signature	I/T	2	Opt. Opt.	85	750 1.25V	No	70	70	0.1 0.05	20-20 20-24	AB A	1.2 1.2	4 4	38 41	2795.00 3495.00		
ALTERNATE AUDIO	CA100	P	2	No	20	65	No	100	200	0.1	20-20	A	1.4		60	3700.00	Single-ended. As above.	
	CA35	P	2	No	20	65	No	35	60	0.1	20-20	A	1.4		35	2700.00		

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CIRCLE NO. 30 ON READER SERVICE CARD



# AMPLIFIERS

MANUFACTURER	Model (R) = Remote Included (RO) = Remote Optional	I/H P/H P	2 2 4	No Opt.	20 500 500 20	180 1.2V 1.3V Var.	Yes	POWER AMP				A/V		Weight, Pounds (To Nearest Pound)	Price, \$	Notes	
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation				Dynamic Headroom, dB
AMC	CVT3030a	I/H	2	No	20	180	Yes	30	30	1.0	45-20	A		34	999.95	Bridgeable. As above. Two-, three-, or four-channel operation. Pre-out/main-in jacks. As above.	
	CVT2100a	P/H	2	Opt.	500	1.2V		80	80	1.0	35-20	AB1		45	1099.95		
	CVT2030a	P/H	2	Opt.	500	1.3V		30	30	1.0	45-20	A		30	766.95		
	2445	P	4	No	20	Var.		30	45	0.04	20-20	AB	2		399.95		
	3025a(R)	I	2	No			Yes	30	30	0.05	20-20	AB		15	349.95		
	3050a(R)	P	2	No			Yes	45	60	0.05	20-20	AB		16	449.95		
	2N100-2	P	2	No		Var.		150		0.03	20-20	AB	1.7	38	549.95		
	2N100-3	P	3	No		Var.		150		0.03	20-20	AB	1.7	44	799.95		
AMERICAN HYBRID TECHNOLOGY	AHT 300	P/H	1	No	50			300	300		10-100	AB1			30,000 Pair	Class-A version, 200 watts.	
ANTHEM	Integrated 1 Amp 1	I/T	2	No	750	160	Opt.	25	25	1.0	30-25	AB1	1.4	36	1295.00	Optional phono module, \$200.00.	
																	100
APOGEE SOUND	DA-800	P	2	Yes	13	153	No	660	975	1880	0.007	20-20	H		60	2464.00	*Up to eight amp channel cards. †Balanced, 20 kilohms; unbalanced, 10 kilohms. Optional battery backup. Front-panel gain controls (rear-panel controls on CA-700). Front-panel gain controls (rear-panel controls on CA-600). Front-panel gain controls (rear-panel controls on CA-400).
	DA-700	P	2	Yes	13	136	No	545	775	1530	0.007	20-20	H		60	2321.00	
	DA-600	P	2	Yes	13	120	No	500	600	1200	0.007	20-20	H		60	2179.00	
	MA-Series	P	†	Yes	††	775	No	100	200		0.2	20-20	H		64	2179.00	
	SA-700	P	2	Yes	13	136	No	545	775	1600	0.025	20-20	H			2179.00	
	SA-600	P	2	Yes	13	120	No	500	600	1200	0.025	20-20	H			2036.00	
	SA-400	P	2	Yes	13	110	No	300	480	960	0.025	20-20	H			1607.00	
ARAGON	Palladium MK II	P	1	Yes	Sel.	140		100	600		0.03	5-20	A		80	2500.00	Balanced outputs.
	8008X3	P	3	No	22	140		200	400		0.04	5-20	A/AB		65	2500.00	
	8008BB	P	2	Yes	22	140		200	400		0.04	5-20	A/AB		80	2500.00	
	8008ST	P	2	No	22	140		200	400		0.04	5-20	A/AB		70	1999.00	
	8002	P	2	No	22	140		125	250		0.04	5-20	A/AB		50	1499.00	
ARCAM	Alpha 7	I	2	No			Yes	40						9	449.00	A/V surround amp; external decoder loop for use with Dolby Digital (AC-3) and DTS processors. A/V surround amp. As above (see also "Surround Processors").	
	Alpha 8(RO)	I	2	No			Yes	50						10	649.00		
	Alpha 9(R)	I	2	No			Yes	75						13	949.00		
	Alpha 9P	P	2	No				75						13	749.00		
	Alpha 8P	P	2	No				50						9	449.00		
AV50	I	5	No	20	500	Opt.	50	65		0.05			4	1295.00			
	Xeta 1	I	5	No	20	220	Yes	60	90		0.05			6	1900.00		
	Xeta 2	I	3	No	20	280	No	55	100		0.05			4	1200.00		
ARONOV AUDIO LABORATORY	LS-960I	I/T	2		47	250		60			0.3	20-20	AB1		65	2800.00	
	LS-960	P/T	2		47	250		60			0.3	20-20	AB1		63	2200.00	
	LS-9100	P/T	1		470	1.5V		110			0.3	12-22	AB1		65	4600.00	
															Pair		
ART AUDIO	Diavolo	T	2	No	470	400		13	14		0.5	20-20	A		60	5495.00	Single-ended; optional volume control, \$200.00.
	Jota	T	2	No				18	20				A			6895.00	As above. (This amp and model above distributed by Holography.)
	Maestro	P/T	1	No				150	150		0.3	15-50	A		60	3250.00	Switchable to triode output. (This amp and those below distributed by Monroe Stereo Systems.)
	Maestro Plus	P/T	1	No				225	225		0.3	10-50	A		70	4000.00	Switchable as above.
	Quin-tet	P/T	2	No				25	25		0.3	10-50	A		42	2195.00	As above.
	Tempo	P/T	1	No				30	30		0.3	10-50	A		35	2100.00	
	Quin-tet Mono	P/T	1	No				18	18		0.3	10-50	A		20	1595.00	
Concerto Integra	P/T	2	No				40	40		0.3	8-60	A		50	2795.00	As above.	
Headline	I	2	No				30	30		0.3	20-20	A		35	2495.00	Headphone amp.	
		T	2													895.00	
ATC	SPA2-150	P	2	Yes	†	†	No	200			0.003	5-50	AB		66	5425.00	†Balanced, 4.7 kilohms and 1 V, unbalanced, 10 kilohms and 2 V.
ATI	AT1506	P	6	No	28	1.27V	No	150	225	450	0.05	20-20	AB	2	88	1995.00	DB25 input.
	AT1505	P	5	No	28	1.27V	No	150	225	450	0.03	20-20	AB	2	73	1695.00	As above; remote turn-on.
	AT1504	P	4	No	28	1.27V	No	150	225	450	0.05	20-20	AB	2	64	1395.00	
	AT1502	P	2	No	28	1.27V	No	150	225	450	0.05	20-20	AB	2	40	795.00	
ATMA-SPHERE MUSIC SYSTEMS	MA-1.5 (Novacron)	P/T	1	Yes	100	500	No	65	50	200	0.5	1-75	A	0	41	5800.00	Triode; fully balanced differential; one gain stage; output transformerless; no feedback; kit, \$3100.00.
	MA-1 MkII	P/T	1	Yes	100	1.5V	No	140	135	300	0.5	1-70	A	0	45	18,700	Circuitry as above.
	MA-2 MkII	P/T	1	Yes	100	1V	No	200	200	400	0.5	1-80	A	0	105	18,700	As above.
	M-60 MkII	P/T	1	Yes	100	1.7V	No	60	45	160	0.5	2-70	A	0	29	29	Triode; fully balanced differential; one gain stage; output transformerless; adjustable feedback.

# AMPLIFIERS

MANUFACTURER	Model (R) = Remote Included (RO) = Remote Optional	Integrated Amp-I, Power Amps-P, Tubes=I, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes		
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridge Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)
AUDIBLE ILLUSIONS	S-120B M-150	P P	2 1	No Opt.	35 35	1.6V 1.5V		120 150	240 300		0.01 0.01	0.5-100 0.5-100	A/AB1 A/AB1			44 75	2495.00 5795.00	
AUDIOACCESS	PX603 PX612	I P	6 12	No No		1.5V	No	22 30	40 80		0.05 0.2	20-20 20-20	AB AB	1.5 1.5		26	1295.00 1995.00	Multi-room controller/amp. Multi-room amp.
AUDIO ADVANCEMENTS	TriMax EarMax	P/T T	1 2	No No	50			25 25			0.1	5-110 4-100	A A			20 1	3250.00 575.00	Deluxe version, \$5250.00 per pair. Headphone amp; output transformerless; volume control; external power supply.
AUDIO ANALOGUE	Puccini Puccini SE Domizetti	I I P	2 2 2	No No No	50 50 39	100 100 190	Yes Yes No	40 50 60	60 80 120		0.02 0.02 0.02	20-20 20-20 20-20	AB AB AB		1 1	16 22 24	795.00 1095.00 995.00	Operates into 2 ohms.
AUDIO BY VAN ALSTINE	Δ 200 Δ 260 Ω III 200 Ω III 260 Ω III 440 Ω III 260hc Ω III 440hc FV 350hc FV 550hc	P P P P P P P P/H P/H	2 2 2 2 2 2 2 2 2	No No No No No No No No No	100 100 20 20 20 20 20 500 500	113 113 113 113 113 113 113 113 113	No No No No No No No No No	90 130 90 130 220 130 220 160 260	150 180 150 180 300 200 350 230 360		0.09 0.09 0.05 0.05 0.05 0.05 0.05 0.04 0.04	15-40 15-40 7-300 7-300 7-300 7-300 7-300 5-100 5-100	AB AB AB AB AB AB AB AB AB	1.8 1.8 1.9 1.9 1.9 2.0 2.0 2.2 2.2		30 33 30 33 38 33 33 38 33	499.00 649.00 699.00 899.00 1199.00 1099.00 1399.00 1499.00 1799.00	
AUDIO CENTRON	RMA 1600 RM 800 RMA 250 MP1200 MP600	P P P P P	2 2 2 2 2	Yes Yes No Yes Yes	20 20 10	1V 1V 775		275 120 75	400 400 250	800 400 250	0.02 0.02 0.02	20-20 20-20 20-20	AB AB AB			45 27 21	875.00 700.00 500.00	Operates into 2 ohms. As above
AUDIOCONTROL	The Architect 1250	P	12	No	100	775	No	50		100	0.05	20-20	H			35		Built-in 12-channel, s/x-band equalizer; programmable infrasonic filter.
AUDIO DESIGN ASSOCIATES	PTM-6150 PTM-650 MPA-500  BPA-500 PF-201 PT-125 PBA-500 PBA-50	P P P  P P P P P	6 6 5  1 2 2 1 1	No No No  No No No No No	47 10 47  47 100 50 47 100	100 100 100  100 1.2V 500 100 500	No No No  No No No No No	150 50 250  355 60 50 355 50	250 80 450  500 110 75 500 85		0.006 0.007 0.068  0.004 0.07 0.02 0.007 0.02	20-20 20-20 20-20  5-200 Hz 20-20 20-20 5-200 Hz 5-200 Hz	A/AB AB A/AB  A/AB AB A/AB A/AB AB			60 15 90  38 32 15 38 15	1999.00 1999.00 6614.00  2624.00 1574.00 1199.00 2624.00 1259.00	THX certified. Fan-cooled. THX certified; external power supply. Bass amp; THX certified. Operates into 0.5 ohm. Fan-cooled; operates into 1 ohm. Bass amp; parametric EQ. As above; fan-cooled.
AUDIO ELECTRONIC SUPPLY	SE-1  SE-1 Signature  SE-88 SET-IIM  SE-811	P/T  P/T  P/T P  P/T	2  2  2 1  1	No  No  No No  No	150  150  150 12  150	1.1V  750  1V 2.5V  950	No  No  No No  No	7  7  12 20  12	7  7  12 20  12			24-20  19-23  20-53 20-35  11-32	A  A  A A  A			38  40  38 31  42	899.00  1299.00 1049.00  1449.00 999.00 1595.00  1995.00	Kit versions, \$699.00 to \$1099.00.  Kit versions, \$849.00 to \$1249.00.  Single-ended; kit, \$799.00. Single-ended. As above; kit, \$1295.00.
AUDIOLAB	8000A MkII 8000P MkII 8000S(R) 8000M	I P I/T P	2 2 2 1	No No No No	50 50 125 50	100 100 125 100	Yes  No	60 100 60 125	100 175 100 200		0.05 0.05 0.07 0.05	1-65 3-75 1-65 4-75	AB AB AB AB			19 21 19 21	895.00 1195.00 995.00 1195.00	
AUDIO MATIÈRE	Accordance Equilibre Ultime  Majuscule	P/T P/T P/T  I/T	2 2 1  2	No No No  No				30 60 60  30	30 60 60  30			10-70 ±0.5 10-85 ±0.5 15-50 ±0.5  10-70 ±0.5	A A A  A			40 90 85  40	4450.00 9450.00 35,000  5450.00	Single-ended; triode. Pair
AUDIO NOTE	Oto Line SE Oto Phono SE Soro Line SE Soro Phono SE P1-SE P2-SE Conqueror Quest  Conquest  Ankoru  Neiro Kageki Shirri Baransu	I/T I/T I/T I/T P/T P/T P/T P/T  P/T  P/T P/T P/T P/T	2 2 2 2 2 2 2 2  1  2 2 2 2	No No No No No No No No  No  No No No No		500		10 10 10 10 10 10 8 9  17  7 7 9 9									1995.00 2495.00 2995.00 3495.00 1695.00 2195.00 2695.00 3895.00  6995.00  24,990 19,300 77,300 36,500 89,200	Single-ended. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. As above. Single-ended; parallel type 845 tubes. Single-ended; parallel 2A3 tubes. As above. Single-ended; 300B tubes. As above.



# CARVER

## ***Without Power Steering™, they'd be just another pair of pretty faces.***



AV-505 multichannel amplifier, 80 Watts x 5,  
**more than 130 Watts with Power Steering**  
AV-705x multichannel amplifier, 125 Watts x 5,  
**more than 200 watts with Power Steering**

**“Perhaps pitting an \$1199 amp against one seven times its cost is unfair... Anyway, the Carver acquitted itself rather well in this uneven match-up.”**

Steven Stone, *Stereophile Guide to Home Theater*, Summer 1997

The Carver AV-705x and AV-505 start out life already at the top of their curve with five independent modular amplifiers precision-crafted from mil-spec components. If they were based on conventional amplification technology alone, the Carvers could easily dominate their class in performance, price and power.

**“...the AV-505 produces, literally and figuratively, enough power to blast many of its rivals out of contention.”**

David Ranada, *Stereo Review*, January 1997/AV-505 amplifier

More important, the new Carvers also pack the unique ability to use their power more intelligently. It's accomplished through an exclusive Carver smart amp technology called *Power Steering*.

**“The benefits of Power Steering in a home theater product are so obvious, it's surprising the idea didn't surface sooner. But it always takes someone to be first, and the Carver people seem to have a knack for not missing the forest for the trees...the Carver AV-705x is a great amplifier... a terrific bargain.”**

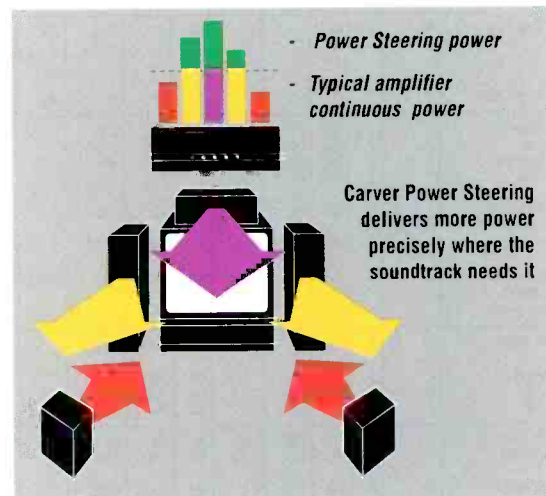
Edward J. Foster, *Audio*, September 1996/AV-705x amplifier

Power Steering steps away from the traditional stereo design and toward today's multichannel listening needs by nearly doubling a single channel's output power when required—when following sound effects across a surround-sound field, for example. And on music listening, Power Steering delivers better two-channel performance from a multichannel amplifier.

**“If I were prone to hyperbole, I could easily go overboard describing the Carver AV-705x's attributes. This is one fine amplifier.”**

Steven Stone, *Stereophile Guide to Home Theater*, Summer 1997  
AV-705x amplifier

The sound quality noted by the critics is due to another technical advance called Total Direct Coupling, which maintains absolute audio signal neutrality through the principle of *load-independent design*. It's a lesson learned from developing our critically-acclaimed Lightstar Research amplifier.



**“Love the price; love the amp...high powered, imaginatively designed and compact.”**

Lawrence B. Johnson, *Audio Video Interiors*, March 1997  
AV-705x amplifier

With Lightstar-inspired musicality and Power Steering muscle, small wonder why so many reviewers are impressed with the new Carver multichannel amplifiers. The AV-705x and 505 are proof that price does not have to be an obstacle to perfection.

**“Congratulations, Carver. Not only have you made it that much easier for videophiles to get superior sound without taking out a second mortgage, you've also upped the ante for what should be expected from a \$1200 multichannel amplifier.”**

Steven Stone, *Stereophile Guide to Home Theater*, Summer 1997  
AV-705x amplifier

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CIRCLE NO. 66 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amps = I, Power Amps = P, Tube = T, Hybrid = H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes					
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode: Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)	Price, \$		
AUDIO NOTE (Continued)	Kassai-S	P/T	2	No	100			20					A				52,600	Single-ended; parallel 300B tubes.			
	Kegon	P/T	2	No	100			20					A				123,400	As above.			
	Ongaku	I/T	2	No	100			27					A				89,200	Single-ended; type 211 tubes.			
	Gaku-On	P/T	1	No	100			55					A				252,400	Single-ended; parallel type 211 tubes.			
AUDIOPRISM	Mana	P/T	1	Yes	47	1V	No	100	100		1.0	20-20	AB	1.1			68	9995.00	Triode-switchable to 55 watts; auto standby.		
	Debut II	P/T	2	No	150	900	No	35	35		0.5	20-17	AB	1.09			45	2495.00	Switchable to triode operation; vibration-damped chassis.		
	Antares	P/T	2	No	150	900	No	35	35		0.5	20-17	AB	1.09			48	1695.00	Ultra-Linear operation; optional transformer cover, \$100.00.		
AUDIO RESEARCH	VT100	P/T	2	Yes	200	1.9V	No	100	100		1	15-80	AB				36	4495.00			
	VT60SE	P/T	2	No	100	1.05V	No	50	50		1	15-40	AB				33	2495.00			
	VT60	P/T	2	No	100	1.05V	No	50	50		1	15-40	AB				33	1995.00			
	D130	P	2	Yes	300	1.7V	No	130	200		0.5	0-150	AB				27	1995.00			
	Reference 600	P/T	1	Yes	200	2V	No	500	500		1	12-80	AB					14,995			
	VT200	P/T	2	Yes			No	200	200										8995.00		
	VT150SE	P/T	1	Yes		2.3V	No	130	130		1	12-80	AB					77	7995.00		
	VT130SE	P/T	2	Yes		1.2V	No	110	110		1	15-80	AB						78	7495.00	
	D300	P	2	Yes		1.9V	No	160	300		0.5	0-150	AB						48	3995.00	
	D400 MKII	P	2	Yes	57	1.9V	No	200	400		0.5	0.01-160	AB						73	5995.00	
SDA1	P	4	Yes			No	100	150	300	0.5	0-150	AB						37	3995.00		
CAS0(RI)	I/T	2	No	100	300		45	45		1	18-40	AB							3495.00		
VT50	P/T	2	Yes			No	45	45		1		AB							2995.00		
AUDIOSOURCE	Amp Two	P	2	No	†	†	No	80	160	200	0.04	20-20	AB	2			14	399.95	†Line input, 30 kilohms and 800 mV; CD input, 50 kilohms and 1.3 V. Soft clipping; auto on; line-level throughput.		
	Amp Three	P	2	No	30	800	No	150	300	400	0.04	20-20	AB	2			28	499.95	Auto on; line-level throughput.		
AUDIURE	Parlando	P	2	Yes	51	1.4V		100	200		0.02	2-50	A				85	3741.00			
	Otez	P	2	Yes	51	1.5V		250	500		0.03	2-50	AB					85	3569.00		
	Tenendo	P	2	Yes	51	1.5V		200	400		0.05	5-50	AB					50	2154.00		
	Forte	P	2	Yes	51	1.4V		125	250		0.05	2-50	AB					45	1360.00	Bipolar; MOS-FET version, \$1467.00.	
	Crescendo	P	2	Yes	51	1.3V		75	130		0.05	2-50	AB					28	760.00	Bipolar; MOS-FET version, \$865.00.	
	Monarch	P	1	Yes	33	1.2V		600	1200		0.009	20-20	A					170	30,000	Balanced output.	
Monarch (Stereo Version)	P	2	Yes	33	1.2V	No	200	400	800	0.009	2-50	A					170	Each 25,000			
AYRE ACOUSTICS	M-1(RI)	P	1	Yes	10		No	300	600				A/AB				110	13,000			
	V-1(RI)	P	2	Yes	10		No	200	400				A/AB				110	Pair 6500.00			
	V-3	P	2	Yes	10		No	100	200			20-20	A/AB				55	3750.00			
	V-5	P	2	Yes	10		No	70	140				A/AB				35	2500.00			
BALANCED AUDIO TECHNOLOGY	VK-60	P/T	2	Yes	200	750	No	60	60	120		8-100	A/AB				85	4950.00	Triode; auto bias; zero feedback.		
	VK-200	P	2	Yes	100	1.4V	No	100	200		1	2-250	A/AB				58	3495.00	Two-stage circuit; zero feedback; single-ended.		
	VK-500	P	2	Yes	100	1.9V	No	250	450		1	2-300	A/AB				100	5000.00	As above; includes separate power cords.		
	VK-1000	P	1	Yes	50	1.9V	No	350	600		1	2-300	A/AB				105	6000.00	As above; 1000-joule energy storage.		
BEL	1001 MKIII A	P	2	No	27	1V	No	50	100	200			A	0			31	2995.00			
BEL CANTO DESIGN	Orfeo 30	P/T	1	Yes	100	1.5V		30	30		0.1	20-20	A	0			70	7890.00	Single-ended.		
	Monoblock Orfeo 60	P/T	1	Yes	100	2V		60	60		0.05	20-20	A	0			85	Pair 11,500	As above.		
	Monoblock Orfeo 30S	P/T	2	No	100	1.5V		30	30		0.1	20-20	A	0			85	Pair 4490.00	As above.		
	Orfeo 30S1	I/T	2	No	100	1.5V		30	30		0.1	20-20	A	0			85	5290.00	As above.		
	Celio SET 40	P	2	Yes	100	1V		50	50		0.1	10-20	A/AB	0			68	2990.00	†Parallel operation, 100 watts.		
	SET 80	P/T	2	No	100	1.4V	No	37	37		0.1	20-20	A1	0			90	3200.00	Single-ended; triode operation; 845 tubes.		
	SET 160	P/T	1	Yes	100	2V	No	75	75		0.05	20-20	A1	0			90	6500.00	As above; balanced operation.		
DAVID BERNING CO.	ZH270	P/T	2	No	25	700†		70	70		†	2-80†	AB	1			10	4500.00	Selectable feedback. †With normal feedback.		
B & K COMPONENTS	AV2500	P	5	No	33	780	No	60	80	100	0.09	5-45	AB	1.4				798.00	Bus inputs and outputs.		
	AV5000	P	5	No	33	1V	No	105	150	200	0.09	5-45	AB	1.4				1298.00			
	AV6000	P	6	No	33	1V	No	105	150	200	0.09	5-45	AB	1.4				1498.00			
	ST1200	P	2	No	33	780	No	60	80	100	0.09	5-45	AB	1.4				498.00	As above.		
	ST1400	P	2	Yes	33	1V	No	105	150	200	0.09	5-45	AB	1.4				698.00			
	ST1400M	P	2	Yes	33	1V	No	150	200		0.09	5-45	AB	1.5				698.00			
	ST1430	P	3	No	33	1V	No	105	150	200	0.09	5-45	AB	1.4				Each 798.00			
	ST3030	P	2	Yes	33	1.4V	No	200	300	350	0.09	5-45	AB	1.1				998.00			
	EX4420	P	2	Yes	33	1.4V	No	200	300	400	0.09	5-45	AB	1.4				1298.00			



# Life is Full of Static... Music Shouldn't Be.

Hi-Performance Audio at Affordable Prices from Jolida, Inc.



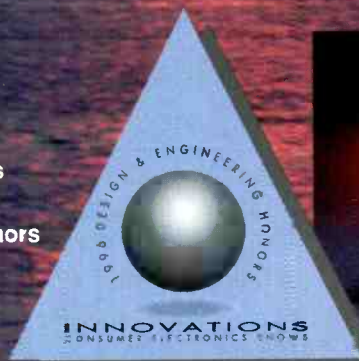
SJ 801A

## Integrated Vacuum Tube Amplifiers:

Jolida breaks the budget barrier of Hi End Audio with a line of five integrated amplifiers starting at \$550. Why vacuum tubes? Simple, they deliver first rate power, reliability and audio accuracy. Why Integrated Amplifiers? Nothing could be easier. Hook up the speakers and a CD player or VCR for a sound system ready to go. Bottom line, magazine reviewers write about Jolida amplifiers, "Color me impressed", "This amp rocks", "Best music for the money", or "So good it ought to be illegal!"

## Award Winning Audio Equipment:

The Electronics Industry Association has awarded Jolida with three prestigious Innovations Design and Engineering Honors presented at the Consumer Electronics Show of 1996 through 1997.



SJ 502B



JD 601A

## Not Just Another Amplifier Manufacturer:

Jolida is proud to introduce two new products; a Tube Tuner for \$350 and a Tube CD Player for \$450. Combined with one of our amplifiers, the music becomes a stirring experience that will have your hair standing on end - without the static.

Let Jolida take the static out of your life.

 **JoLida, Inc.**

10820 Guilford Road,  
Annapolis Junction, MD 20701  
Phone: (301) 953-2014  
Fax: (301) 498-0554  
CIRCLE NO. 78 ON READER SERVICE CARD



# AMPLIFIERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional		P	1	Yes	33	1.4V	No	200	400	POWER AMP				A/V		Weight, Pounds (To Nearest Pound)	Price, \$	Notes
											Integrated Amp=L, Power Amp=P, Tube=T, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Cont. Average Watts/Channel into 8 Ohms			
B&K COMPONENTS (Continued)	EX4420M	P	1	Yes	33	1.4V	No	200	400		0.09	5-45	AB	1.4			1298.00	THX certified.	
	TX4430	P	3	No	33	1.4V	No	200	300	350	0.09	5-45	AB	1.2			Each 1698.00		
BLUE CIRCLE AUDIO	BC2	P/H	1	No	47	3V	No	75	38			10-35	A			55	6000.00	Pair 3700.00	
	BC6	P/H	2	No	47	800	No	25	13			10-30	A			55	3700.00		
BOULDER AMPLIFIERS	102AE	P	2	Yes				100	170		0.005		AB	1.5			3295.00	With metal finish, 102M, \$3895.00. Peak current, 50 amps; with metal finish, 500M, \$6295.00. Peak current, 50 amps; balanced output. As above.	
	500AE	P	2	Yes	10	1.8V		150	250		0.005	10-100	AB			51	5395.00		
	500AE Mono	P	1	Yes	10	1.8V		500	500		0.005	10-100	AB			51	10,790		
BRYSTON	2B-LP	P	2	Opt.	50			60	100	200	0.01	0.5-100	AB			18	850.00	THX version available. As above. As above. As above. As above. Each 2995.00 Optional remote (controls volume), \$300.00.	
	3B-ST	P	2	Yes	50			120	200	400	0.007	0.5-100	AB			22	1565.00		
	4B-ST	P	2	Yes	50			250	400	800	0.007	0.5-100	AB			42	2265.00		
	5B-ST	P	3	Yes	50			120	200	400	0.007	0.5-100	AB			40	2465.00		
	7B-ST	P	1	Yes	50			500	500	800	0.007	0.5-100	AB			42	2398.00		
	8B-ST B-60(RO)	P I	4 2	Yes No	50 50			120 60	200 100	400	0.007 0.01	0.5-100 0.5-100	AB AB			44 20	2995.00 1495.00		
CABASSE	AS 1000	P	2	Yes		Var.		†									4200.00	Overload and DC-offset protection. †1000 watts, instantaneous peak. As above.	
	AM 1000	P	1	Yes		Var.		†									4700.00		
CAIRN	K1-HD	P	1	No		2V	No	150	300		0.01	20-20	A			80	2500.00	Pair 2200.00 1100.00 2200.00 900.00 600.00	
	K2-HD	P	2	No		2V	No	120	250		0.01	20-20	AB			72	2200.00		
	K3-HD	P	2	No		1.7V	No	80	120		0.01	20-20	AB			43	1100.00		
	Aspen(RI)	I	2	No	20	150	Yes	100	150		0.01	20-20	AB		5	48	2200.00		
	4807(RO)	I	2	No	20	150	Yes	60	90		0.01	20-20	AB		4	19	900.00		
Cambridge Audio	Aria	I	2	No	20	300	No	40	60		0.01	20-20	AB		4	18	600.00		
CAMBRIDGE AUDIO	A3i	I	2	No			Yes	60	90		0.05		AB			15	529.00	High-current design; speaker terminal for bi-wiring. Headphone jack.	
	A1	I	2	No			Opt.	30			0.07		AB			12	329.00		
CARVER	AV-705x	P	5	No	50		No	†	180		0.08	20-20		1.1		45	1299.00	THX certified, †125 watts x 5 or 180 watts x 2; 200 watts available to channel with loudest signal. 180 watts x 5 or 100 watts x 2, 130 watts available to channel with loudest signal. Speaker selector. As above. THX certified; 350 watts available to channel with loudest signal. THX certified. As above.	
	AV-505	P	5	No	50		No	†	140		0.08	20-20		1.1		42	999.00		
	TFM-15CB	P	2	No	30			100	140	300	0.02	20-20		1.1		20	549.00		
	TFM-6CB	P	2	No	30			65	100	180	0.02	20-20		1.1		16	399.00		
	LightStar 2.0	P	2	Yes	47	150	No	300	600		0.2	5-20		3.0		48	2795.00		
	AV-753x	P	3	No	47			No	250	400		0.08	20-20		1.0		41		1599.00
CARVER	A-760x	P	2	No	47		No	380	600	1200	0.08	20-20		1.0		39	1499.00		
	A-500x	P	2	No	47		No	250	400	800	0.08	20-20		1.0		29	999.00		
CARVER PROFESSIONAL	pm 125	P	2	Yes	†	775	No	50	62	125	0.1	20-20	AB	2.6		17	619.00	†Balanced, 44 kilohms; unbalanced, 22 kilohms.	
	pm 420	P	2	Yes	22	775	No	135	210	420	0.1	20-20	AB	1.4		28	799.00		
	pm 700	P	2	Yes	25	775	No	225	350	700	0.1	20-20	H	2.0		36	1069.00		
	pm 950	P	2	Yes	25	775	No	325	475	950	0.1	20-20	H	2.0		36	1269.00		
	pm 1400	P	2	Yes	25	775	No	475	700	1400	0.1	20-20	H	2.0		39	1539.00		
	pt 1250	P	2	Yes	15	1.5V	No	465	625		0.1	20-20	G			15	1879.00		
	pt 1800	P	2	Yes	15	1.5V	No	600	900		0.1	20-20	H			39	2379.00		
	pt 2400	P	2	Yes	15	1.5V	No	750	1200		0.1	20-20	H			59	2779.00		
	px 850	P	2	Yes	20	775	No	250	425	850	0.1	20-20	AB	2.0		52	895.00		
	px 1450	P	2	Yes	20	775	No	375	725	1000	0.1	20-20	H	2.0		64	1245.00		
	ca 400	P	2	Yes	22	775	No	130	200	400	0.1	20-20	AB	1.4		28	769.00		
	ca 900	P	2	Yes	25	775	No	325	475	900	0.1	20-20	H	2.0		37	1199.00		
	CARY AUDIO DESIGN	CAD-300SEI (RO)	I/T	2	No	100	420	No	11	11			20-23	A			51		3695.00
CAD-88SEI(RO)		I/T	2	No	100	420	No	20	20			19-45	A			51	2995.00		
SLI-80(RO)		I/T	2	No	100	450	No	80	80			19-23	AB			42	2795.00		
SLI-50(RO)		I/T	2	No	100	420	No	50	50			19-23	AB			42	2295.00		
SLI-30(RO)		I/T	2	No	50	420	No	30	30			23-20	AB			34	1495.00		
CAD-805 Signature		P/T	1	Opt.	150	500	No	50	50			15-23	A			80	10,995		
CAD-805C		P/T	1	Opt.	150	750	No	50	50			23-20	A			80	8495.00		
CAD-301SE		P/T	2	Opt.	150	800	No	14	14			20-23	A			80	4995.00		
CAD-845		P/T	2	Opt.	150	1.5V	No	25	25			10-23	A			100	5995.00		
CAD-300SE Signature		P/T	1	No	150	500	No	12	12			19-20	A			35	4495.00		
CAD-300SE	P/T	1	No	150	1V	No	12	12			20-20	A			30	3795.00			
SLA-70 MkII	P/T	2	Opt.	150	1.5V	No	30	30			20-30	A			34	1395.00			

(Continued)





## Now You Can Stop Kicking Yourself For Selling The Originals.



No audio equipment in history has achieved the legendary status of the Marantz vacuum-tube electronics. So timeless are the sonic and aesthetic attributes of this classic trio that, almost four decades after their introduction, pristine examples are still eagerly sought by committed music lovers and audiophiles alike.

Fortunately for those remorseful souls who parted company with their beloved originals, Marantz proudly announces the reintroduction of the Marantz Classics. The Model 7 preamplifier, Model 8B stereo and Model 9 monaural power amplifiers sound as remarkable today as when they first defined the state of the art during the Golden Age of Stereo.

These recreations are true to the originals in every way. In many instances, parts like transformers and meters have been sourced from the very suppliers who furnished them over a generation ago. Faceplates, knobs and switches are identical, and even the Marantz logo has been restored for absolute accuracy. All wiring is point to point; no circuit boards have been substituted for the sake of convenience or cost. Only genuine safety improvements, like detachable IEC power cords, standard fuses, and contemporary speaker terminals in place of archaic output taps, differentiate these modern units from their predecessors.

Ultimately, these jewel-like components could have you listening to music from a whole new perspective, while providing the kind of satisfaction that comes from possessing a timeless classic.

So instead of kicking yourself, you can sit back and enjoy the company of a long-lost friend.



**marantz®**

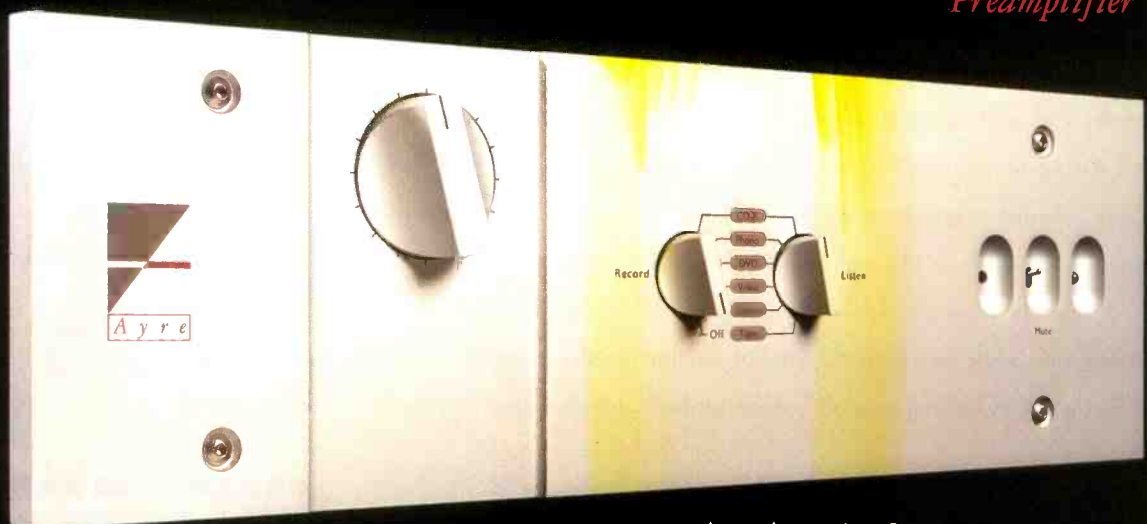
# AMPLIFIERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	Integrated Amp= Tube=T, Hybrid=H	Power Amp= P, Tube=T, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP				A/V		Weight, Pounds (To Nearest Pound)	Price, \$	Notes	
									Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation				Dynamic Headroom, dB
CARY AUDIO DESIGN (Continued)	SLA-70B Signature	P/T	2	Opt.	150	1V	No	60	60			18-30	AB		42	1795.00	As above.	
	SLA-80	P/T	2	Opt.	150	1V	No	80	80			19-23	AB		42	2495.00	Switchable to 50-watt triode operation.	
	CAD-50M	P/T	1	No	150	1.25V	No	†	†			9-20	A		32	2495.00	†Ultra-Linear mode, 50 watts.	
	SLM-100	P/T	1	Opt.	150	750	No	100	100			20-30	A/AB		40	3495.00	Pair	
	CAD-300B Signature	P/T	2	Yes	150	1.5V	No	25	25			18-26	A		42	3995.00	Switchable to 70-watt triode operation; optional chrome chassis, \$500.00.	
	SLM-200	P/T	1	Opt.	150	700	No	200	200			20-20	A/AB		75	8995.00	Pair	
	CAD-211M	P/T	1	Yes	150	750	No	80	80			18-23	A		90	12,995	Pair	
	CAD-572SE	P/T	1	Opt.	150	1.25V	No	20	20			20-23	A		35	2495.00	Pair	
CELLO LTD.	Performance Amp II	P	2	Yes	1M	1.5V	No	200	400	800	0.1	10-22	AB1	2.7		180	25,000	Four chassis (two amps, two power supplies).
	Duet 350	P	2	Yes	1M	1.6V	No	350	600	1200	0.3	10-22	AB2	1.8		95	9500.00	Two-channel version available.
	Encore 50	P	1	Yes	330	752	No	50	100	200	0.3	10-22	AB2	1.8		28	7200.00	
	Encore 150	P	1	Yes	1M	1.7V	No	150	300		0.1	10-22	AB2	3.0		98	18,000	
CHORD	SPM400	P	2	No	100		Yes	100	130		0.05				20	2100.00	Six-channel input box into seven-way XLR socket.	
	SPM600	P	2	Yes	100		Yes	130	170		0.05				20	2750.00		
	SPM800	P	2	Yes	100		Yes	160	250		0.05				20	3750.00		
	SPM1000B	P	2	Yes	100		Yes	200	300		0.05				31	4500.00		
	SPM1200B	P	2	Yes	100		Yes	250	380		0.05				35	5750.00		
	SPM1200C	P	2	Yes	100		Yes	315	470		0.03				35	6250.00		
	SPM1400	P	2	Yes	100		Yes	350	500		0.03				35	6250.00		
	SPM1600	P	2	Yes	100		Yes	200	300		0.05				35	7500.00		
	SPM1800	P	4	Yes	100		Yes	200	300		0.05				35	7500.00		
	SPM2000	P	6	No	100		No	200			0.05				40	8500.00		
	SPM3000	P	4	Yes	100		Yes	315			0.03				70	13,000		
	SPM5000	P	2	Yes	100		Yes	415	800		0.05				77	21,000		

Once in a decade...  
a component emerges that redefines musical truth.

Ayre

K-1  
Preamplifier



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CIRCLE NO. 79 ON READER SERVICE CARD



# From a Rugged Lineage... Power & Grace



## 25 Years of American Tube Designs.

Twelve Patents Granted and More Pending.\*

### HiFi Products:

**Mesa Baron...\$3,995.** Dual mono, all tube 150 W/Ch power amplifier, utilizing twelve 5881 beam power pentodes and four 12AX7 preamp/pre-driver tubes. User-adjustable negative feedback (including zero feedback) combines with four selectable pentode/triode power tube configurations for a total of sixteen sonic tuning options.

\*(Tandem State Imaging™)

**Mesa Tigris...\$2,495.** Class A, all tube Integrated & Headphone amplifier utilizing eight EL84, four 6V6 power tubes and four 12AX7 preamp/pre-driver tubes. User-adjustable negative feedback (including zero feedback) combines with three selectable pentode/triode power tube configurations for a total of twelve sonic tuning options. Headphone port is linked to entire array of output tubes. Variable buffered output with dedicated attenuator provides for easy bi-amping. Tube cage is standard Gold and silver color options available.

\*(Tandem State Imaging™)

(Planned: remote preamp, below \$1,000. 100 W mono blocks, below \$3,500/pair)

CIRCLE NO. 15 ON READER SERVICE CARD



## MESA/BOOGIE®

Designed and built entirely in the US:

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707-778-9505 fon

707-765-1503 fax

audioguy@mesaboogie.com

Consumer & dealer inquiries welcome



# AMPLIFIERS

MANUFACTURER	Model (RI)=Remote Included, (RD)=Remote Optional	Integrated Amp= Tube=T, Hybrid=H	Power Amp= P	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes		
									Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode, Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)
CINEPRO PROFESSIONAL	3K6	P	6	Yes	30	Var.	No	350	500	†	0.15	15-20	A/AB	3.2			72	3495.00	†Bridges to three channels (1000 watts each), four channels (1000 watts x 2 and 350 watts x 2), or five channels (350 watts x 4 and 1000 watts x 1). Rear-panel ground-lift switch. †1200 watts x 3. Fan-cooled. Operates into 2 ohms; ground-lift switch.
	3K6 SE 1K2	P	6	Yes	30	1.4V Var.	No	375 350	550 500	† 1000	0.15 0.15	10-25 18-20	A/AB A/AB	3.5 3.2			75 42	5995.00 1495.00	
	1K2 SE 700x2	P	2	Yes	30	1.4V 1.1V	No	375 220	550 330	1200 700	0.15 0.15	10-25 20-20	A/AB A/AB	3.5 3.0			44 36	2495.00 995.00	Discrete circuitry; zero feedback; operates into 2 ohms.
CITATION	7.1	P	4	No	22	1.1V		150	240	450	0.03	20-20	AB	1			75	2800.00	THX certified; auto on.
	5.1	P	4	No	22	1.1V		100	175	300	0.03	20-20	AB	1			65	1850.00	THX certified for use with dual-drive dipoles; auto on.
CLASSÉ AUDIO	CA-100	P	2	Yes	75	950		100	200	350	0.030	20-20	AB					1495.00	
	CA-150	P	2	Yes	75	1.15V		150	300	500	0.006	20-20	AB					2295.00	
	CA-200	P	2	Yes	75	1.3V		200	400	700	0.004	20-20	AB					2995.00	
	CA-300	P	2	Yes	75	1.65V		300	600	1100	0.007	20-20	AB					4250.00	
	CA-400	P	2	Yes	75	1.9V		400	800	1400	0.004	20-20	AB					5600.00	
	CAV-75	P	6	No	75	850		75	150	300	0.004	20-20	AB					1995.00	
	CAV-150	P	6	Yes	75	1.2V		150	300	600	0.004	20-20	AB					3595.00	
	CAP-100	I	2	Yes	†		Opt.	100	150	300	0.005	20-20	AB					1995.00	†Balanced, 12 kilohms; unbalanced, 33 kilohms. Optional MM/MC phono board, \$200.00.
DON J. COCHRAN	Delta Mode II	P/H	1	Yes	50	1.6V		200	200		0.07	0.5-50		0.4			58 Pair	6800.00 Pair	Differential signal path; balanced bridge output.
CODA TECHNOLOGIES (Continued)	10.5	P	2	Yes	50	1.3V		100	200	400	0.1	0-100	A/AB	1.5			45	2950.00	
	V10	P	4	No	50	1.3V		100	200	400	0.1	0-100	A/AB	1.5			45	3150.00	
	11.5(RI)	P	2	Yes	50	1.3V		100	200	400	0.1	0-100	A	0.5			85	5200.00	
	20.5(RI)	P	2	Yes	50	1.8V		200	400	800	0.1	0-100	A/AB	1.0			85	5200.00	

## The Perfect Tube Companion for your Audio Video System

**TL2.5 and TL5.5**  
Line Stage Preamplifiers  
from VTL



Pictured above: TL5.5 Preamplifier and ST-85 Stereo Amplifier

- ◆ Pure Tube Design
- ◆ Remote Control Volume and Mute



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<http://www.vtl.com/> email: [imanley@vtl.com](mailto:imanley@vtl.com)

In Canada: Aralex Acoustics Ltd., Telephone: (604) 528-8965 Fax: (604) 527-3886



# AMPLIFIERS

MANUFACTURER	Model (R) = Remote Included, (RO) = Remote Optional	Integrated Amp=I, Power Amp=P, Tube= T, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes			
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode, Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)	Price, \$
CODA TECHNOLOGIES (Continued)	System 100	P	2	Yes	100	1.3V		100	200	400	0.1	0-100	A	0.5			100	6950.00	Three chassis (left output stage, right output stage, and voltage-gain stage), each with internal power supply.
	System 200	P	2	Yes	100	1.8V		200	400	800	0.1	0-100	A	0.5			185	12,950	
COFFIN ELECTRIC	1A	P	2	No	20	1V		70	140		0.2	0-100	A/AB	0			33	2300.00	External power supply; fully balanced signal path.
	1M	P	1	No	20	1V		80	160		0.15	0-100	A/AB	0			30	1750.00	
	4M	P	1	Yes	40	1V		160	320		0.1	0-100	A/AB	0			62	3500.00	
CONRAD-JOHNSON	MF2200	P	2	No	100			200			1	20-20	AB				46	1995.00	Available wired for triode operation.
	MF2300-A	P	2	No	100			250			1	20-20	AB				55	2995.00	
	Premier Eleven-A	P/T	2	No	100			70	70		1	30-15	AB				54	3495.00	
	Premier Twelve	P/T	1	No	100			140	140		1	30-15	AB				51	3495.00	
	Premier Eight-A	P/T	1	No	100			275	275		1	30-15	AB				90	8495.00	
	MV55	P/T	2	No	100			45	45		1	30-15	AB				39	1995.00	
CONTINUUM	Stage 4*3*2	P	2	Yes	50	1.8V		200	400	800	0.1	5-100	A/AB	1.5			45	1795.00	
		P	4	No	50	1.3V		100	200	400	0.1	5-100	A/AB	1.5			45	1895.00	
CONVERGENT AUDIO TECHNOLOGY	JL1	P/T	1	No	100	835	No	100	100		0.1	7-35	A	0			380	19,500	Triode output; damped chassis.
	JL1 Limited Edition	P/T	1	No	100	835	No	100	100		0.1	10-35	A	0			Pair	49,500	As above; low-loss output transformer.
COPLAND (Continued)	CTA-505	P/T	2	No	100	130		67	67		0.3	5-80	AB				60	3300.00	Tetrode and triode modes switchable during operation.

## POWER, PERFORMANCE, PERFECTION... ...PERIOD!



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Value without compromise. At \$1,695, the 73-pound AT1505 5-channel power amplifier has no equal. FTC power output is 150 watts per channel into 8 ohms from 20Hz to 20kHz at no more than 0.03% THD with all channels driven simultaneously! ATI engineers have been designing and manufacturing power amplifiers for over 30 years. All ATI amplifiers are built with the finest parts available...we invite you to compare our amplifiers to any other makes, no matter what the price! ATI power amplifiers have received critical acclaim from reviewers and from audio enthusiasts worldwide. All ATI amplifiers are backed by a seven-year warranty and are made in the USA. For more information on the AT1505 or our other models, or to order, please call 1-888-777-8507.

CIRCLE NO. 51 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amp = I, Power Amp = P, Tube = T, Hybrid = H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, Kilohms	Phono Input?	POWER AMP						A/V		Notes		
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode, Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)
COPLAND (Continued)	CTA-501	P/T	2	No	100	130 Var	30	30		0.5	5-80	AB			55	2500.00	Direct buffered CD input; volume control.	
	CTA-401	I/T	2	No	100	280	Yes	30	30	0.2	5-35	AB			55	2700.00		
	CSA-14 CSA-8	I/H I	2 2	No No	33 25	130 92	Yes No	60 60	120 120	0.1 0.1	5-120 5-120	AB AB AB	3 3		35 35	2200.00 1650.00		
C.R. DEVELOPMENTS	Kalypto	I/T	2	No	50	100	No	15		0.2	20-20	AB			25	1500.00	Power amp with level controls.	
	Romulus	I/T	2	No	50	100	No	35		0.2	20-20	AB			34	3000.00		
	Amphion	P/T	1	No	50	250	No	15	15	0.5	20-20	A			25	5000.00 Pair		
CREEK	4330(RI)	I	2	No		380	Opt.	35	50		0.03	20-20	AB			10	595.00	Optional phono boards (\$60.00 for MM, \$95.00 for MC); without remote volume control, \$495.00. With full remote, 5250 R, \$995.00; optional phono boards (\$60.00 for MM, \$95.00 for MC). Special Edition MM, and \$95.00 for MC). Phono boards as above.
	5250(RO)	I	2	No		400	Opt.	50	60		0.03	3-25	AB			10	795.00	
	5250 SE R(RI)	I	2	No		450	Opt.	60	75		0.03	3-25	AB			11	1195.00	
	A52 A52 SE	P P	2 2	No No		400 450		70 80	90 120	180 240	0.03 0.03 0.03	3-25 3-25 3-25	AB AB AB			10 11	895.00 1095.00	
CREST AUDIO	CA6	P	2	Yes	20	775		350	500		0.01	20-20	H	1.5		39	2190.00	Biamplifier. †Low-frequency output channel: 1.5-V sensitivity, 670 watts into 8 ohms, 940 watts into 4 ohms, and Class H; high-frequency output channel: 790-mV sensitivity, 125 watts into 8 ohms, 220 watts into 4 ohms, and Class AB.
	CA9	P	2	Yes	20	775		550	800		0.01	20-20	H	1.5		43		
	CA12	P	2	Yes	20	775		720	1200		0.01	20-20	H	1.5		67		
	9001	P	2	Yes	20	2.3V		1100	2050		0.02	20-20	H	1.5		110		
	7301	P	2	Yes	20	†		†	†		0.02	20-20	†	1.5		52		

(Continued)

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# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amp = Tube = T, Hybrid = H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes		
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode, Avg. Watts/Channel into 4 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)
CREST AUDIO (Continued)	10001	P	2	Yes	20	2V		1150	2000		0.02	20-20	H	1.5		127	4990.00	
	10004	P	4	Yes	20	1.8V		720	1200		0.02	20-20	H	1.5		135	5890.00	
	8001	P	2	Yes	20	1.8V		1200	1100		0.025	20-20	H	1.5		84	3390.00	
	7001	P	2	Yes	20	1.4V		550	715		0.025	20-20	H	1.5		54	2590.00	
	6001	P	2	Yes	20	1.1V		300	480		0.25	20-20	H	1.5		50	2390.00	
	4801	P	2	Yes	20	1.1V		300	480		0.25	20-20	H	1.5		50	1750.00	
	4601	P	2	Yes	20	1V		300	425		0.12	20-20	H	1.5		52	1750.00	
	3301	P	2	Yes	20	908		220	330		0.25	20-20	H	1.5		52	1390.00	
	FA2401	P	2	Yes	20	775		330	580		0.025	20-20	AB	1.5		55	1674.00	
	FA1201	P	2	Yes	20	775		280	450		0.025	20-20	AB	1.5		39	1398.00	
	FA901	P	2	Yes	20	775		225	300		0.025	20-20	AB	1.5		36	966.00	
	FA601	P	2	Yes	20	775		120	225		0.025	20-20	AB	1.5		26	768.00	
	CC151	P	2	Yes	20	870		180	300		0.025	20-20	AB	1.5		43	1390.00	
	CC301	P	2	Yes	20	1.2V		350	500		0.25	20-20	AB	1.5		56	1990.00	
	CV301	P	2	Yes	20	870			300		0.25	20-20	AB	1.5		60	1590.00	
	CV601	P	2	Yes	20	1.8V		625			0.025	20-20	AB	1.5		56	1990.00	
	LA601	P	2	Yes	20	775		120	225		0.025	20-20	AB	1.5		30	650.00	
	LA901	P	2	Yes	20	775		225	300		0.025	20-20	AB	1.5		40	828.00	
	LA1201	P	2	Yes	20	775		280	450		0.025	20-20	AB	1.5		43	1178.00	
	MAS200	P	2	Yes	20	1.1V		200	300		0.025	20-20	H	1.5		31	910.00	
PFA600	P	2	Yes	20	500			600		0.015	20-20	H	1.5		55	3990.00		
UL601	P	2	Yes	20	775		120	335		0.025	20-20	AB	1.5		33	650.00		
UL901	P	2	Yes	20	775		225	300		0.025	20-20	AB	1.5		40	828.00		
UL1201	P	2	Yes	20	775		280	450		0.025	20-20	AB	1.5		42	1398.00		
UL2401	P	2	Yes	20	775		330	580		0.025	20-20	AB	1.5		61	1674.00		
CROWN	Studio Reference 1	P	2	Yes	10	Var.	No	780	1160	2220	0.02	3-32.8	AB/B			61	3950.00	Damping factor, 20,000; IM distortion, 0.005%. As above.
	Studio Reference 2	P	2	Yes	10	Var.	No	355	555	1110	0.02	2.3-34.4	AB/B			56	2750.00	
	DC300A Series II	P	2	No	20		No	175	305	610	0.05	20-20	AB/B			45	1395.00	Damping factor, 750; IM distortion, 0.01%. As above.
DC150A Series II	P	2	No	20		No	95	155	315	0.05	20-20	AB/B			24	1025.00		
DB SYSTEMS	DB-6A	P	2	No	48	1V		40	70		0.003	20-20	AB	3		18	910.00	Three-times power-supply capacitance optional.
	DB-6AM	P	1	No	48	1V		140	225		0.008	20-20	AB	3		18	910.00	Each
	DB-9	†	2	No	50						0.005					2	160.00	†Headphone amp.
DENON	POA-S1	P	1	Yes	47	1V		250	500		0.05	20-20				198	20,000	
	POA-S10	P	2	Yes	47	150		150	300		0.002	20-20	AB	3		35	1300.00	
	POA-8300	P	3	No	47	150		120	200		0.02	20-20	AB	3		35	1500.00	THX certified.
	POA-8200	P	2	No	47	150		120	200		0.02	20-20	AB	3		27	1000.00	As above.
	PMA-S1	I	2	Yes	47	150	Yes	50	100		0.007	20-20	AB	3		55	5200.00	
	PMA-525R	I	2	No	30	150	Yes	50	80		0.05	20-20	AB			14	400.00	
	PMA-2000(RI)	I	2	No	47	150	Yes	80	160		0.07	20-20	AB			44	400.00	
DGX AUDIO	DDA-1	I	2	No	47	300	No	100	140		0.025	20-20	AB	2		29	1995.00	Built-in D/A converter; processing for loudspeaker correction (see also "Signal Processors"); includes two DDL-1 speakers.
DPA DIGITAL	DPA 500S	P	2	Yes	22	250		250	400		0.002	10-28					5995.00	Three chassis (left, right, and power supply).
	DPA 200S Renaissance	P	2	No	22	250	Yes	55	90	200	0.005	10-28	A			12	1495.00	†Compound A.
DYNACO	Stereo-160	P/T	2	No	50	300		75	40		0.05	14-65	AB	1.4		41	2199.00	
	Stereo-80	P/T	2	No	50	300		40			0.05	17-75	AB	1.4		39	1699.00	Selectable triode/pentode operation; adjustable bias. Operates into 1 ohm.
	Stereo-400 Series II	P	2	No	50			200	300	600		10-100	AB	1.2		27	999.00	
	Stereo-200	P	2	No	100			100	150		0.02	10-100	AB	1.5		21	595.00	
	Stereo-100	P	2	No	100			70	105		0.02	10-100	AB	1.5		18	425.00	
	MPA-160	P	2	No				80		160		0.04	0-30	AB		10	554.00	
SCA-120(RI)	I	2	No		Yes		60	100		0.02	10-100	AB			18	450.00		
DYNAUDIO	Arbiter	P	1	Yes	2			700	1150		0.001	0.3-300	A			310	100,000	Battery powered; mains power, ±115 V.
E.A.R.	834	I/T	2	No	47	200	No	50	50		1.0	15-40	A			47	3595.00	
	859	I/T	2	No	47	300	No	13	13		1.0	20-20	A			50	3595.00	Enhanced triode mode; single-ended.
	861	P/T	2	Yes	47	900	No	32	32	64	3.0	20-20	A			64	6495.00	Enhanced triode mode; zero feedback.
EDGE ELECTRONICS	M4	P	2	No	30	100		70	140		0.005	5-100	A/AB			42	1550.00	
	M6	P	2	No	30	100		120	240		0.005	3-100	A/AB			56	2365.00	
	M8	P	2	No	30	100		170	340		0.005	1-100	A/AB			68	4150.00	
	M10	P	2	Opt.	30	100		220	440		0.005	1-100	A/AB			75	8350.00	
	M12	P	1	Opt.	30	100		300	600		0.005	1-100	A/AB			150	13,500	Pair
	Signature One	P	2	Opt.	30	100		400	800		0.005	1-100	A/AB			350	25,000	Set
ELECTRO-COMPANET	AW60 FTT	P	2	Yes	330	†		60	120	240	0.001	20-30	A	1.4		25	1995.00	Fully balanced differential circuitry. †Balanced, 400 mV; unbalanced, 800 mV.
	AW120 DMb	P	2	Yes	220			120	240	480	0.001	20-30	A	1.4		36	3995.00	Fully balanced differential circuitry.
	AW180 MB	P	1	Yes	330			180	360		0.001	20-30	A	1.4		52	6995.00	As above.
	AW250 DMb	P	2	Yes	330			250	500	1000	0.001	20-30	A	1.4		110	5995.00	As above.



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*W*hile it may be prudent to prepare for an afterlife of entertainment, let's take a few moments to discuss the here and now. As you already know, great home theater sound has little to do with "booming" sound. Don't get us wrong, we enjoy the impact of an exploding alien head as much as the next guy. But exceptional home theater is also about recreating the subtle everyday sounds that convince the ear that you're part of the action. This illusion is only possible with the finest components such as our new amplifiers: the 5 channel HCA-1205A and the 3-channel HCA-1203A. Besides being THX-certified, both could be considered showcases of high end technology. For the whole story, visit our website or your Parasound dealer. And hear products that will provide a lifetime of entertainment. And then some.



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# AMPLIFIERS

MANUFACTURER	Model (R)=Remote Included, (RO)=Remote Optional	P	2	No	50	360	No	200	100	0.003	POWER AMP				A/V		Weight, Pounds (To Nearest Pound)	Price \$	Notes									
											Integrated Amp—I, Power Amp=P, Tube=T, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, kilohms	High-Level Sensitivity, mV	Phono Input?				Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing—See Code
ELITE	M-91 M-72	P	2	No	50			200 50	100	0.003	20-20 20-20	AB	1.8			60 48	1400.00 1000.00											
ENSEMBLE	Evocco(RI) Evivo	I/H I/H	2 2	No No	45 20	360 1.1V	No No	100 100	150 150	0.2 0.2	5-60 5-60	AB AB				33 33	6990.00 5990.00											
ESSENCE	Standard Sapphire II Jasper II	P P P	2 2 2	Opt. Opt. Opt.	20 20 20			200 250 250	300 400 400	0.01 0.01 0.005	5-100 5-100 5-100	A/AB A/AB A/AB				100 95 95	4850.00 7850.00 14,850	Mono version, \$8750.00 per pair. Mono version, \$19,850 per pair.										
EVI AUDIO	7100 7200 7300A P1200 P1250 P2000 P3000 Electro-Voice P1250 Electro-Voice 1.0 KW Electro-Voice 1.5 KW Electro-Voice 2.0 KW	P P P P P P P P P P P P P	2 2 2 2 2 2 2 2 2 2 2 2 2	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	30 30 30 20 20 20 20 20 20 20 20 20 20	890 890 900 775 775 775 775 775 860 860 860 860		No No No No No No No No No No No No No	100 140 230 250 370 370 560 850 350 260 350 450	140 230 400 550 550 900 1400 500	280 460 800 1100 1100 1800 2800 1000	0.1 0.1 0.1 0.01 0.01 0.01 0.01 0.05	20-20 20-20 20-20 20-20 20-20 20-20 20-20 10-30	AB AB AB AB AB AB AB AB	1.2 1.2 1.2 1.4 1.4 1.4 1.4 0.5		18 37 34 36 36 57 62 38	634.00 690.00 910.00 1734.00 1938.00 2650.00 3470.00 1998.00	THX certified. As above. As above									
EXPOSURE	20 15 25(RI) 18 Super 18 Mono 4 DR 16 Mono	I I I P P P P	2 2 2 2 2 2 2	No No No No No No No			No Yes No No No No No	55 55 55 75 65 90 110								17 17 17 17 45 65	1250.00 1450.00 1895.00 1595.00 2750.00 Pair 3495.00 6995.00 Pair											
FENTON AUDIO	Stereobate II	P	1	Yes	50	500	No	300	600	0.022	20-100	A/AB				95	2300.00 Pair	Water-cooled; optical isolation.										
Fi	2A3 300B 421A	P/T P/T P/T	2 2 2	No No No	470 100 250	750 500 800		3 8 5	3 8 5		18-23 18-23 18-25	A A A				27 35 25	2350.00 3450.00 2675.00	Direct-coupled; mono version, \$2975.00 per pair. Mono version, \$4200.00 per pair.										
FORTÉ AUDIO	F4A F55 F6 FT-1	P P P P	2 2 2 5	Yes Yes Yes No	47 47 47 47	1V 1.42V 2V 1V	No No No No	50 100 200 †	100 200 400	0.1 0.1 0.1 0.1	20-20 20-20 20-20 20-20	A AB AB AB				33	1790.00 1390.00 1790.00 1790.00	Toroidal transformer, insulated-gate bipolar transistor output stage. As above. As above. †125 watts x 3 and 55 watts x 2. Toroidal transformer; auto-on.										
GOLDEN TUBE AUDIO	SE-40 SE-40 SE SE-100 SE-300B MKII SE-300B MKII SE SI-50(RI)	P/T P/T P/T P/T P/T I/T	2 2 2 2 2 2	No No Yes Yes Yes No	100 100 100 100 100 10	1.25V 1.25V 1.25V	No No No No No No	40 40 100 9 9 50	80 80 200 20 18 8	5 5 5 5 5	20-20 20-20 20-20 20-20 20-20 20-20	A A AB A A AB				45 55 65 45 45 35	980.00 1380.00 1780.00 1480.00 1730.00 980.00	Single-ended; parallel output tubes. Cathode-follower output; fuzzy-logic bias control. Single-ended triode output; adjustable feedback. Passive or active line amp; tube fail mode; fuzzy-logic bias control; can be rewired as preamp or power amp.										
GOLDMUND	Mimesis 9.6 Mimesis 29 Mimesis 9.5 Mimesis 8.4 Mimesis 8.5 Mimesis 6.2 Mimesis 6.5 Mimesis SRA Mimesis SRI	P P P P P P P I	1 2 2 1 2 1 2 2	Yes Yes Yes Yes No No No No	50 50 50 50 50 50 50 50	150 1.4V 150 150	No No No No No No No	250 300 250 175 200 125 90 50 100	350 500 350 250 250 175 150 80 150 150	0.1 0.01	0-1M 0-2.5M 0-800 0-1M					130 130 135 100 105 55 55 15 30	14,500 Each 12,990 12,690 5790.00 Each 6690.00 4190.00 Each 4690.00 1500.00 2990.00											
HAFLER	9505 Trans-nova P7000 Trans-nova P4000 Trans-nova P3000 Trans-nova P1500 Trans-nova P1000 Trans-Ana	P P P P P P P	2 2 2 2 2 2 2	Yes Yes Yes Yes Yes Yes Yes	47 47 47 47 47 47 47		No No No No No No No	250 350 200 150 75 50	375 500 275 200 85 55	750 1000 550 400 170 110	0.1 0.1 0.1 0.1 0.1 0.1	0.15-300 0.2-100 0.2-200 0.2-300 0.2-300 0.2-100	AB AB AB AB AB AB				50 40 34 21 19 12	2200.00 1429.00 1199.00 799.00 589.00 559.00	THX certified; fan-cooled; crossover filters for biamping.									
HARMAN KARDON	PA 5800 Signature 1.5 Signature 2.1	P P P	5 2 5	No No No	33 22 22	1V 1V 1V	No No No	80 200 100	110 350 150	0.03 0.03 0.03	10-100 1-140 1-140	AB AB AB	1.4 1.4 1.5			30 45 45	999.00 1499.00 1499.00											





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"This very special amplifier does so much right and so little wrong that it's almost impossible to describe... the music the VT100 makes is bettered only by two things within my compass—the Reference 600 and life itself... The LS15 recalls the sound of the VT100 in every particular—unruffled, coherent as well as continuous, and highly transparent... it lets music glow from within rather than adding any light of its own."

Paul Bolin, *The Absolute Sound*, Issue #1, July 1997

"Audio Research has once again taken a clear lead over the competition, giving you sonic performance that others can only envy. With the LS15, Audio Research gives you this world beating performance at a price that is so affordable... it will be a runaway success... After the REF1, the LS15 is the best line section we've ever heard, and the most exciting bang-for-the-buck tube preamp you can buy..."

The VT100's sonic strengths are so outstanding, and so important to recreating the sound of live music, that they alone make the VT100 objectively competitive with any power amp you can buy, at any price."

J. Peter Moncreff, *International Audio Review*, No. 74.

"The Audio Research VT100 amplifier has touched me in a way no other audio component has, and in a way I didn't think any audio component could... I felt a sense of magic I'd never heard in an amplifier before... Audio Research has raised the bar."

Robert Reina, *Stereophile*, March 1997, Vol. 2 No. 3.

"Over the years I've owned any number of medium-powered, medium-priced tube and transistor amps. The VT100 is, overall, the best I've heard. So, I'm going to buy it."

Jonathon Valin, *FI Magazine*, July 1997, Vol 2, Issue 8.

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## VT200

### VACUUM TUBE STEREO POWER AMPLIFIER

The VT200 vacuum tube stereo power amplifier is the most powerful of the three VT-series models. Rated at 200 watts per channel into a wide range of speaker loads, the VT200 encompasses a "dual mono" circuit layout reaching back to the massive single power transformer. Eight matched pair of 6650C output tubes and 674 joules of distributed energy storage give the VT200 unwavering control over the most difficult speaker loads, without sacrificing dynamic freedom or musical nuance.

Separate left and right input and output circuit boards, with distributed power supplies, keep signal path lengths at a minimum for quicker transient attack and explosive musical dynamics. As with other VT models, constant-current sources in the input stage help maintain stable drive characteristics and differential balance of the output stage under the rapidly changing demands of actual music reproduction. Ultralinear output transformers with partial cathode

coupling to the output terminals give the VT200 higher efficiency and lower output impedance than conventional vacuum-tube amplifiers. This results in better control of the loudspeaker throughout its frequency and impedance spectrum.

Both single-ended (100K ohms) and balanced (200K ohms) inputs are included to allow use with any high-quality stereo preamplifier. Custom-machined, gold-over-brass five-way output terminals allow a secure, high-contact connection to a variety of speaker impedances: 1, 2, 4, 8 or 16 ohms.

Internally, the VT200 presents a very open architecture within a spacious, rugged chassis. A single cooling fan operable at three different speeds provides unobtrusive cooling of interior components, including the vacuum tubes mounted along the chassis sidewalls.

Biasing of the output tubes is easily accomplished via two trim pots for each channel, accessible through holes located along each sidewall of the chassis. Complete retubing kits of tested, selected and matched tubes for the VT200 are available through authorized Audio Research dealers, or from the factory.

**Control Functions:** Power On/Off.

**Inputs:** SE and BAL.

### VT200 Specifications

**POWER OUTPUT:** 200 watts per channel continuous from 20Hz to 20kHz. 1 kHz total harmonic distortion typically 1% at 200 watts, below .01% at 1 watt. Approximate actual power available at "clipping" 210 watts (1kHz). (Note that actual power output is dependent upon both line voltage and "condition" i. e.: if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not very critical.)

**POWER BANDWIDTH:** (-3dB points) 12Hz to 120kHz.

**FREQUENCY RESPONSE:** (-3dB points at 1 watt) 0.5Hz to 200 kHz.

**INPUT SENSITIVITY:** 2.5V RMS (Bal or SE) for rated output. (27 dB gain into 16 ohms.)

**INPUT IMPEDANCE:** 200K ohms Balanced, 100K ohms Single-ended.

**OUTPUT TAPS:** 1, 2, 4, 8, 16 ohms.

**OUTPUT REGULATION:** Approximately 0.8dB 16 ohm load to open circuit (Damping factor approximately 11).

**OVERALL NEGATIVE FEEDBACK:** 10dB.

**SLEW RATE:** 25 volts/microsecond.

**RISE TIME:** 1.5 microseconds.

**HUM & NOISE:** Less than 0.2mV RMS - 109dB below rated output (IHF weighted, input shorted, 16 ohm output).

**POWER SUPPLY ENERGY STORAGE:** Approximately 674 joules.

**POWER REQUIREMENTS:** 105-125VAC 60Hz (210-250VAC 50Hz) 990 watts at rated output, 1200 watts maximum, 680 watts at "idle".

**TUBES REQUIRED:** 8 - Matched pair 6650C - Power Output; 6 - 6922 Driver; 4 - 6922 input.

**DIMENSIONS:** 19" (48.3 cm) W x 10.5" (26.7 cm) H x 23.6" (60.0 cm) D. Handles extend 1.5" (3.8 cm) forward.

**WEIGHT:** 118 lbs. (46.5 kg) Net; 148 lbs. (58.3 kg) Shipping.

Specifications subject to change without notice.

### Three Year Limited Warranty

These Audio Research products are backed by a 3 year Limited Warranty; vacuum tubes are warranted against defects for 90 days. For one year from date of purchase, Audio Research pays round-trip freight charges on any equipment requiring warranty service at the factory. See your authorized Audio Research dealer for details.

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HIGH DEFINITION®

CIRCLE NO. 61 ON READER SERVICE CARD





## CA50

### VACUUM TUBE INTEGRATED STEREO POWER AMPLIFIER

The CA50 is the first integrated power amplifier ever offered by Audio Research. It includes a 50-watt per channel (peak power) all-vacuum-tube, push-pull Class AB power amplifier using 6922 twin triode tubes for input and driver stages, and 6550 power output tubes (one matched pair per channel). Constant-current source technology, distributed power supplies, and a dual-mono internal layout back to the main power transformer all contribute to the sonic power and finesse this model is capable of delivering. The volume control and input switching of the CA50 are via microprocessor-controlled relays, and a complete-function handheld IR remote control is standard.

The ample chassis dimensions and functional internal layout of the

CA50 eliminate the need for fan cooling, yet offer the convenience and easy installation of a single-chassis integrated unit. Up to 6 input sources including tape are accommodated. Output terminals are custom-machined, heavy-duty, gold-over-brass 5-way posts. In addition, a full-range, single-ended set of "Sub bass" outputs allow easy connection to a powered subwoofer or even to another power amplifier, perhaps for a remote system.

**Control Functions:** Volume, Source Select, Power On/Off, Mute/Operate, Rec Out /Off, Monitor / Source. Handheld IR remote control included.

**Inputs:** Tuner, Video, CD, Phono, Aux (all SE).



### CA50 SPECIFICATIONS

**POWER OUTPUT:** 45 watts per channel continuous from 20Hz to 15kHz. 1 kHz total harmonic distortion typically 2% at 45 watts, below .05% at 0.1 watt.

Approximate actual power available at "clipping" 50 watts (1kHz). (Note that actual power output is dependent upon both line voltage and "condition" i. e.: if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not very critical.)

**POWER BANDWIDTH:** (-3dB points) 18Hz to 40kHz.

**FREQUENCY RESPONSE:** (-3dB points at 1 watt) 2Hz to 50 kHz.

**INPUT SENSITIVITY:** 0.3V RMS for rated output. (35 dB gain into 8 ohms.) (optional 38 dB.)

**INPUT IMPEDANCE:** 100K ohms Single-ended.

**MAXIMUM INPUT:** 3.5v RMS (volume-30dB or lower).

**OUTPUT TAPS:** 8 ohms, 4 ohms.

**OUTPUT REGULATION:** Approximately 1.0dB 8 ohm load to open circuit (Damping factor approximately 13).

**OVERALL NEGATIVE FEEDBACK:** 7dB

**SLEW RATE:** 10 volts/microsecond.

**RISE TIME:** 5 microseconds.

**HUM & NOISE:** Less than 1.0mV RMS - 85dB below rated output (IHF weighted, input shorted).

**POWER SUPPLY ENERGY STORAGE:** Approximately 183 joules.

**POWER REQUIREMENTS:** 105-125VAC 60Hz (210-250VAC 50Hz) 290 watts at rated output, 330 watts clipping, 190 watts at "idle"

**TUBES REQUIRED:** 2 - Matched pair 6550C - Power Output; 2 - 6922 Driver; 2 - 6922 input.

**DIMENSIONS :** 19" (48.3 cm) W x 7" (17.8 cm) H x 15" (38.1 cm) D. Handles extend 1.5" (3.8 cm) forward.

**WEIGHT:** 43 lbs. (19.5 kg) Net; 56 lbs. (25.5 kg) Shipping.

Specifications subject to change without notice.

### Three Year Limited Warranty

These Audio Research products are backed by a 3 year Limited Warranty; vacuum tubes are warranted against defects for 90 days. For one year from date of purchase, Audio Research pays round-trip freight charges on any equipment requiring warranty service at the factory. See your authorized Audio Research dealer for details.

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HIGH DEFINITION®

CIRCLE NO. 62 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included; (RO) = Remote Optional	Integrated Amp-I, Power Amp-P, Tubes = T, Hybrid = H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, kilohms	High-Level Sensitivity, kilohms	Phono Input?	POWER AMP										A/V		Notes
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing—See Code	Weight, Pounds (To Nearest Pound)	Price, \$		
HARMONIC PRECISION	HP-150	P	2	No	24			75	90		0.1	5-50	AB	2.5				895.00	Optional 240-V operation. As above.	
	HP-150 Mono	P	1	No	24			100	125		0.09	5-50	AB	2.4				1600.00 Pair		
HEADROOM	Little	†	2	No	47		No	0.3				20-20	AB				1	249.00	†Headphone amp. Portable. As above.	
	Supreme	†	2	No	47		No	0.3				20-20	AB				1	449.00		
	Cosmic	†	2	No	47		No	0.3				20-20	AB				1	599.00		
	Home	†	2	No	47		No	0.3				20-20	AB				1	599.00		
	Max	†	2	No	47		No	0.3				20-20	AB				8	1333.00		
HOUSTON	GSI-01	I/T	2	No	100	200	No	40	40		0.9	20-20	AB				38	760.00	†Triode mode, 35 watts into 8 or 4 ohms. Ultra-Linear mode, 65 watts into 8 or 4 ohms. Single-ended, 845 and 300B tubes.	
	GSP-02	P/T	2	No	200	700	No	60	60		1	20-20	AB				51	960.00		
	GSM-260	P/T	1	No	200	1V	No	†	†		0.8	20-20	A/AB				49	1860.00 Pair		
	GSE-8430	P/T	1	No	100	680	No	25	25		2	20-20	A				56	4360.00 Pair		
INTERACTIVE LABS	Fatboy	P	5	No	10	2V	No	200	200		0.01	20-20	AB	1			45	1999.00	Current-sensing outlet; DC on/off triggering. As above.	
	Junior Littleboy	P	5	No	10	2V	No	200	200		0.01	20-20	AB	1			45	1599.00		
		P	3	No	10	2V	No	200	200		0.01	20-20	AB	1			42	1199.00		
JADIS	DA 5	P/T	2					40										4795.00	External power supply. As above. As above; six chassis. Single-ended; parallel 300B tubes. Single-ended; type 845 tubes.	
	DA 8	P/T	2					80										6795.00		
	Defy 7 Mk IV	P/T	2					100										8495.00		
	JA 30	P/T	1					30										9295.00		
	JA 80	P/T	1					60										14,995 Pair		
	JA 200	P/T	1					160										25,995 Pair		
	JA 500	P/T	1					400										34,995 Pair		
	JA 800	P/T	1					800										80,000 Pair		
	Orchestra	P/T	2					40												2995.00
	DA 30	I/T	2					30												5825.00
DA 60	I/T	2					60											8018.00		
300B	P/T	1					10											13,500 Pair		
845	P/T	1																20,000 Pair		
JOLIDA	SJ-102A	I/T	2		100	500	No	20	20	40	1.5	27-35	AB1				19	550.00	Optional tape and processor loops; optional subwoofer output; 110-120 or 220-240 V AC. As above. As above. As above. As above.	
	SJ-202A	I/T	2		100	400	No	40	40	80	1	30-75	AB1				28	695.00		
	SJ-302A	I/T	2		100	450	No	50	50	100	1	25-100	AB1				39	925.00		
	SJ-502A	I/T	2		100	500	No	60	60	120	1	19-75	AB1				39	1100.00		
	SJ-801A	I/T	2		100	250	No	70	70	140	1	19-100	AB1				50	1400.00		
JOULE ELECTRA	VZN-80	P/T	2	Yes	100	1V	No	80	50	160	1	2-100	A	0			75	6000.00	Single-ended; output transformerless; differential mu-follower driver stage. As above.	
	VZN-100	P/T	1	Yes	100	1V	No	100	60		1	2-100	A	0			60	8000.00 Pair		
	VZN-160	P/T	1	Yes	100	1V	No	160	100		1	2-100	A	0			70	10,000 Pair		
JRM	Power Tower	P	4		10	†	No	††	†††		0.02	0.6-75	AB	3			65	4860.00	†(2)2.0 and (2)1.1 V. ††(2)180 and (2)170 watts. †††(2)500 and (2)250 watts into 2 ohms. All-cascade design.	
KAB ELECTRO-ACOUSTICS	Souvenir TCA	P	2	No	30	1V	No	18	13		0.07	30-20	A	0			17	995.00	Single-ended output.	
KCE TECHNOLOGY	P5060	P	2	No	30	750	No	60	100		0.1	20-20	AB	1.0			30	550.00		
	P5120	P	2	No	30	750	No	120	200		0.1	20-20	AB	1.0			35	800.00		
	P5180	P	2	No	30	750	No	180	300		0.1	20-20	AB	1.0			40	1200.00		
KENWOOD	KM-Z1	P	6	No	30	1.1V	No	135			0.001	20-20	AB				53	1200.00	THX certified; DB-25 and RCA inputs.	
	KM-X1000	P	2	No	20	Var.	No	130		270	0.001	20-20	AB				31	450.00	THX certified.	
KLIMO	Kent	P/T	1	No	220			35	35		0.3		AB				19	3800.00	Operates into 1 ohm.	
	Linnet	P/T	1	No	100			100	100		0.3		A				43	8500.00 Pair		
KORA ELECTRONIC CONCEPT	Triode 100SB	P/T	1	Yes	33	1V	No	80	80		0.3	20-30	AB	1.8						
	Design 50	I/T	2	No	100	300	No	50	50		0.5	10-25	A	1.5						
	Design 30	I/T	2	No	100	300	No	30	30		0.18	25-22	A	1.6						
KRELL	FPB-600(RO)	P	2	Yes	100			600	1200		0.02	0.1-240	A					12,500	12-V trigger input. As above; four-channel version, \$4000.00; three-channel, \$3500.00; two-channel, \$3000.00.	
	FPB-300(RO)	P	2	Yes	100			300	600		0.02	0.1-240	A					9000.00		
	FPB-200(RO)	P	2	Yes	100			200	400		0.02	0.1-240	A				5900.00			
	FPB-250M(RO)	P	1	Yes	100			250	500		0.02	0.1-240	A					4500.00		
	KAV-250a	P	2	Yes	100			250	500	1000	0.06	0.4-170	AB					Each 3000.00		
	KAV-300(RI)	P	2	Yes	210			150	300		0.06	1-100	AB					2350.00		
	KAV-500	P	2	Yes	100			100	200	400	0.03	1-100	AB					4500.00		
			P	2	Yes	100			600	1200		0.02	0.1-240	A						
			P	2	Yes	100			300	600		0.02	0.1-240	A						
			P	1	Yes	100			200	400		0.02	0.1-240	A						



# AMPLIFIERS

MANUFACTURER	Model (R) = Remote Included, (RO) = Remote Optional	Integrated Amp=L, Power Amp=P, Tube = T, Hybrid=L-H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mv	Phono Input?	POWER AMP										A/V		Notes			
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing—See Code	Weight, Pounds (To Nearest Pound)	Price, \$					
KR ENTERPRISE	VT 600KS	P	2					100											22,500	Single-ended. As above.			
	VT 600KM	P	1					150											29,000				
	62	P/T	1					40											23,000				
	52 SI 32 SI	I/T I/T	2 2					30 25											13,000 8800.00				
KUSTOM SOUND SYSTEMS	KHS-240V(RO)	I	12	No	10	70	No	20		0.2	20-20	AB	2	0				14	1299.95	Multi-zone controller/amp; optional remote room volume control, KHS-RV, \$41.95 each; optional remote with infrared repeater, KHS-RV/IR, \$83.95 each. Up to six-zone operation; requires KHS-RV/4S volume control and source selector (\$119.95 each) for each zone.			
	KHS-4640(RO)	I	12	No	10	70	No	20		0.2	20-20	AB	2	0				15	1699.95				
LAMM AUDIO LABORATORY	M1.1(RO)	P/H	1	Yes	41	725	No	100	100	400	0.3	4-150	A						65	7395.00 Each	No overall feedback; remote power on/off with Lamm preamp; operates into 1 ohm. As above.		
	M2.1(RO)	P/H	1	Yes	41	1V	No	200	200	800	0.3	4-150	A/AB						66	6995.00 Each			
	DM1	P/H	2	Yes	41	800	No	125	250	500	0.3	4-150	A/AB						75	8690.00			
LAMM INDUSTRIES	ML1	P/T	1	Yes	41	1.2V	No	90	90		2.5	12-50	A/AB						70	9345.00 Each 12,345 Each	Triode output, 36-watt Class-A operation, operates into 2 ohms. Single-ended; triode output, operates into 2 ohms.		
	ML2	P/T	1	Yes	41	750	No	20.5	20.5		2.5	16-100	A						64				
LEGACY AUDIO	The Monobloc	P	1	Yes	50	1.6V	No	450	800		0.03	1-100	A/AB	1.4					50	2400.00 Each			
	Legacy Stereo High Current	P	2	Yes	50	1.6V	No	250	400		0.03	1-100	A/AB	1.2					45	1795.00			
	Legacy 4/3/2 High Current	P	4	No	50	1.6V	No	140	225		0.03	1-100	A/AB	1.2					45	1695.00			
LEGEND AUDIO DESIGN	LM-The Triode	P/T	1																38	5495.00 Pair			
	LM-90	P/T	1																38	4395.00 Pair			
	LM-II	P/T	1																28	3495.00 Pair			
MARK LEVINSON	No. 33	P	1	Yes	50			300	600		0.2	20-20							220	35,000 Pair	Adaptive bias. Half-power version of model above. Adaptive bias. As above. As above.		
	No. 33H	P	1	Yes	50			150	300		0.2	20-20							175	19,950 Pair			
	No. 333	P	2	Yes	50			300	600	1200	0.3	20-20							145	8995.00 Pair			
	No. 332	P	2	Yes	50			200	400	800	0.3	20-20							130	6995.00 Pair			
	No. 331	P	2	Yes	50			100	200	400	0.3	20-20							120	4995.00 Pair			
LEXICON	412	P	4	Yes	50			120	200	400	0.01				2				49	2995.00	THX certified. As above, 1400 watts x 1 and 120 watts x 1. THX certified. As above. As above.		
	312	P	3	Yes	50			120	200	↑	0.01				2				38	2495.00			
	212	P	2	Yes	50			120	200	400	0.01				2				26	1695.00			
	225	P	2	Yes	50			250	400	800	0.01								45	2295.00			
	501	P	2	Yes	50			500	800	800	0.01								49	2295.00			
LINN	Klout	P	2	No	5		No	80	160			20-20	AB						28	3995.00	Without phono, \$1095.00.		
	LK100	P	2	No	5		No	50	99			20-20	AB						11	1195.00			
	LK240	P	1	No	4.7		No	125	240														
	Majik-I(RI)	I	2	No	10		Yes	33	66														
	AV5105	P	2	No			No	100	200														
LORY ELECTRONICS	PA21A	P	3	Yes	20	Var.		125	150	250	0.01	3-45	AB						14	596.00			
	PA21C	P	3	Yes	20	Var.		125	150	250	0.01	3-45	AB						14	678.00			
LUXMAN	M-10	P	2	Yes	†		No	250	400	800	0.005	10-100	AB							9500.00	†Balanced, 80 kilohms; unbalanced, 47 kilohms. ‡Balanced, 66 kilohms; unbalanced, 47 kilohms. † into 6 ohms. Video switching. As above, multi-room.		
	M-7	P	2	Yes	†		No	150	230	460	0.005	10-100	AB									5000.00	
	SQ-38s	P/T	2	No	47		Yes	30†			0.5	20-20	AB									3500.00	
	L-505s	I	2	Yes	47	150	Yes	70			0.005	20-20	AB									2600.00	
	L-507s	I	2	Yes	47	150	Yes	100			0.005	20-20	AB									3600.00	
	A-312(RI)	I	2	No	47	150	Yes	40	70		0.01		AB	2.1								349.00	
	A-331(RI)	I	2	No	47	150	Yes	60	105		0.01		AB	1.75								449.00	
	A-353(RI)	I	2	No	40	150	Yes	60	105		0.008		AB	2								595.00	
	A-373(RI)	I	2	No	40	150	Yes	80	130		0.008		AB	1.75								795.00	
	A-384(RI)	I/H	2	No	40	150	Yes	80	130		0.04		AB	1.4								995.00	
	A-383(RI)	I	2	No	40	150	Yes	100	180		0.008		AB	1.75								1295.00	
	M-363	P	2	No	45	1V		150	180		0.004		AB	2.35								795.00	
	M-375	P	2	No	45	1V		150	180		0.004		AB	2.35								995.00	
	M-383	P	2	No	45	1V		220	300	550	0.003		AB	1.75								1495.00	
	MADISON FIELDING	DSA 450(RO)	I	4	No	47	100		50			0.04	20-20	AB	1.2					20		799.00	Two motorized volume controls. Three motorized volume controls.
		DSA 630(RO)	I	6	No	47	100		30			0.04	20-20	AB	1.2					25		949.00	
MAGNUM	IA170	I	2	No			Yes	100	160				AB							750.00			
	IA200	I	2	No																1150.00			
	MF160	P	2	No																750.00			
	MF330	P	2	No																1450.00			

# AMPLIFIERS

MANUFACTURER	SURROUND PROCESSING										POWER AMP							A/V		Notes
	Model (RI) = Remote Included (RO) = Remote Optional	Integrated Amps = I, Power Amp = P, Tube = T, Hybrid = H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, Kilohms	Phono Input?	Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Biased Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing—See Code	Weight, Pounds (To Nearest Pound)	Price, \$		
MANLEY LABS	Reference 250	P/T	1	Yes	130	750	No	†		1.0	10-100	AB1	1.5			70	9000.00	†Tetrode mode, 300 watts into 5 ohms; triode mode, 175 watts into 5 ohms.		
	Reference 500	P/T	1	Yes	130	750	No	†		1.0	10-100	AB1	1.5			92	12,000	†As above but tetrode, 500 watts; triode, 275 watts. Variable feedback and slope.		
	50 Watt	P/T	1	No	100	500	No	40	40	1.0	20-30	AB1	1.5			13	2340.00			
	100 Stereo Lab Series Monoblock 100	I/T P/T	2 1	No No	100 130	750 775	No No	80 †	80 †	1.0 1.0	20-50 20-50 ±0.2	AB1 AB1	1.5 1.5			50 34	4400.00 2750.00	Controls can be bypassed.		
	Lab Series 75+75	P/T	2	No	130	775	No	80	80	1.0	20-50 ±0.2	AB1	1.5			30	1850.00	†Tetrode mode, 72 watts into 8 ohms or 81 watts into 4 ohms; triode mode, 56 watts into 8 or 4 ohms.		
	120 Watt Mono	P/T	1	No	100	750	No	†		1.0	20-50	AB1	1.5			25	4000.00			
	SE/PP 300B Retro	P/T	1	Yes	100	1V	No	†		1.0	20-16	A	1.5			30	5500.00	†Tetrode mode, 120 watts into 5 ohms; triode mode, 65 watts into 5 ohms.		
	75/150 807 SE/PP	P/T	1	No	100		No	†		1.0	10-50	A	1.5			75	8600.00	†Single-ended mode, 18 watts into 5 ohms; push-pull mode, 36 watts into 5 ohms.		
MARANTZ	T-1	P/T	1	Yes	25	1V	No	50	75	0.05	20-20	A				160	25,000	300B and 845 triode tubes.		
	9	P/T	1	No	25	1V	No	70	70	0.1	20-20	AB				60	4200.00			
	8B MA-700	P/T P	2 1	No No	25 25	1V 1V	No No	35 200	35 300	0.1 0.09	20-20 20-20	AB AB			38 25	3800.00 500.00	THX certified.			
	MA-500	P	1	No	25	1V	No	125	180	0.09	20-20	AB			18	300.00	As above.			
	PM-68(RI)	I	2	No	50	150	Yes	100	150	0.09	20-20	AB			20	500.00				
	PM-57(RI)	I	2	No	50	150	Yes	50	75	0.09	20-20	AB			16	300.00				
MARCHAND	MB200	P	1	Yes	25	1.5V	No	200	200	0.01	20-20	AB	1.5				595.00	Kit, \$395.00.		
MATISSE	Reference Monoblock	P/T	1	Yes	100		No	120†	120	0.01	4-40	AB†				66	12,500	†Jumper for 60-watt triode operation. Adjustable feedback.		
MBL	7005 (RO)	I	2	Yes	5	315	Yes	50	80	0.0035	0-90	AB			40	4290.00	Two optional inputs.			
	9010	P	2	Yes	5			470	800	0.001	0-200	A/AB			209	19,790	Bridgeable.			
	8010C	P	2	Yes	5			180	270	0.002	0-120	AB			67	5190.00				
	8004	P	2	Yes	5			60	90	0.003	0-100	AB			40	2950.00				
	8008	P	4	Yes	5			60	90	0.003	0-100	AB			57	4100.00				
McCORMACK AUDIO	Power Drive DNA-2	P	2	Yes	100	1.6V	No	300	600	0.05	20-20	A/AB	1.5			80	3495.00	Operates in Class A up to 25 watts per channel; Deluxe version, \$4250.00; Limited Edition version, \$5995.00.		
	Power Drive DNA-1	P	2	Yes	100	1V		185	370	0.05	0.5-200	A/AB	0.95			45	1995.00	Dual terminals; low-feedback design; Deluxe version, \$2355.00.		
	Power Drive DNA-0.5	P	2	No	100	1V		100	200	0.05	0.5-200	A/AB	1			35	1295.00	Mechanical ground; low-feedback design; Deluxe version, \$1565.00.		
	Micro Power Drive DNA-HT1	P	2	No	100	1V		50	75	0.05	4-150	A/AB	1			15	895.00			
	Power Drive DNA-HT1	P	3	No	100	1V		†	200	0.05	0.5-200	A/AB	1.0			45	1995.00	†100 watts x 2 and 150 watts x 1. Deluxe version, \$2395.00.		
McINTOSH	MC1000	P	1	Yes	10	2.5V		1000	1000	0.005	20-20	AB	2.1			105	6500.00	Autoforner output.		
	MC500	P	2	Yes	10	2.2V		500	500	0.005	20-20	AB	2.1			114	7000.00	As above.		
	MC300	P	2	Yes	20	1.4V		300	300	0.005	20-20	AB	1.9			79	4000.00	As above.		
	MC7106 THX	P	6	No	20	1V		100	160	0.005	20-20	AB	2.1			53	3500.00	THX certified.		
	MC7108	P	8	No	20	1V		40	40	0.005	20-20	AB	1.8			40	2500.00	†Each pair bridges to 100 watts into 4 ohms.		
	MA6400 (RI)	I	2	No	22	2.5V	Yes	100	100	0.005	20-20	AB	2.4			41	3500.00			
MA6800 (RI)	I	2	No	22	2.5V	Yes	150	150	0.005	20-20	AB				70	5000.00	Autoforner output.			
MENISCUS AUDIO GROUP	MB-100	P	1	No	47	130	No	100	200	0.01	0-100	A/AB	2.4			18	699.00	Each		
MERIDIAN	551	I		No	10	Var.	Opt.	65	80	0.003	0-60					20	1495.00			
	556	P		No	†	1.6V	Yes	100	175	0.003	5-50	AB		0		20	1595.00	†Balanced, 20 kilohms; unbalanced, 10 kilohms.		
	557	P	2	Yes	†	1.4V	Yes	200	360	0.003	0-60	AB				60	2395.00	†Balanced, 22 kilohms; unbalanced, 10 kilohms.		
	505	P	1	Yes	†	1.27V	Yes	160	275	0.003	5-50	AB				35	1395.00	†As above.		
MESA ENGINEERING	Baron	P/T	2	Yes	†	650	No	150	150	0.5	20-20	AB	1.5			65	3995.00	Selectable triode or pentode operation; selectable negative feedback (0, 2, 4, or 8 dB).		
	Tigris	I/T	2	No			No	35	35	0.5	20-20	A	1.3			35	2495.00	†Selectable (60k; 110k for biamping).		
	Knight	P/T	1	Yes	†	650	No	100	100	0.5	20-20	AB	1.5			40	2495.00	Selectable triode, pentode, or mixed operation; converts to dedicated headphone amp.		



The Krell® Full Power Balanced 600 power amplifier and the Krell® KAV-300i integrated amplifier establish new standards for performance and design. Both amplifiers are among the few products holding the distinguished Class A rating from *Stereophile*.

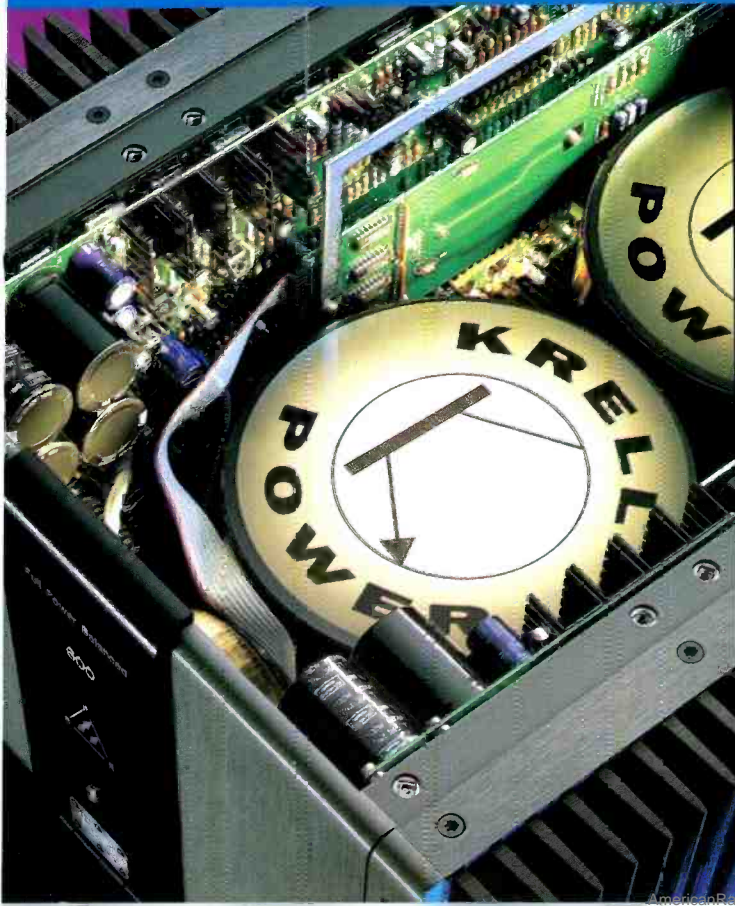
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# AMPLIFIERS

MANUFACTURER	Model (R) = Remote Included, (RO) = Remote Optional	Integrated Amp., Tube = T, Hybrid = H	Power Amp = P	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes	
									Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode, Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code
MINNESOTA AUDIO LABS	M 6550	P/T	1	No	500	1.7V		42	42		1	20-20	AB	1.7		26	2200.00	Small-signal bandwidth, 220 kHz.
	DM 6550 DM 6BX7	P/T P/T	2 2	No No	500 500	1.7V 1.7V		42 10	42 10		1 1	20-20 20-20	AB A	1.7 3		35 27	2200.00 1200.00	
MISSION ELECTRONICS	Cyrus III(RI)	I	2	No	22	200	Yes	50	70		0.01	50	AB			10		Three zone, multi-room operation. †Balanced, 22 kilohms and 775 mV; unbalanced, 10 kilohms and 380 mV. Auto-on sensing with input signal.
	Cyrus MR3(RI)	I	2	No	22	200	No	40	70		0.05	40	AB		0	9		
	Cyrus Power	P	2	Yes	†	†	No	50	70	110	0.004	50	AB			10		
MONARCHY AUDIO	SE-100	P	1	Yes	47	300	No	100	200	200	0.05	20-20	A	0		30	490.00	Each 980.00
	APS-250	P	2	Yes	47	200	No	150	250	500	0.05	20-20	AB	0		35	980.00	
BRUCE MOORE AUDIO DESIGN	Classic 300B	P/T	1	No	412		No	20	20		0.5	16-60	A	1.3		45	4900.00	Bias adjustable for each 300B tube. Bias adjustable for each EL34 tube. As above. As above. As above.
	I 80	I/T	2	No	412	250	No	40	40		0.3	16-60	AB	1.3		55	3000.00	
	Dual 70	P/T	2	No	412		No	70	70		0.3	16-80	AB	1.3		70	3500.00	
	M 125	P/T	1	No	412		No	125	125		0.3	16-100	AB	1.3		65	6600.00	
	M 225	P/T	1	No	412		No	225	225		0.5	16-100	AB	1.3		70	9300.00	
MORRISON AUDIO	AMP-3	P	1	No	100	1.2V		72	144		0.06	1-280	A			50	6000.00	Pair
MUSEATEX AUDIO	AS10	P	2	No	100			100	150		0.25	1-20	AB			24	1999.00	
MUSICAL DESIGN	D-75B	P	2	No	24	900		75	125		0.03	0.3-200	AB			20	795.00	Bridgeable. As above.
	DM-100B	P	2	No	24	1.7V		100	200		0.03	0.3-200	AB			28	1195.00	
	D-150B	P	2	No	24	1.7V		150	240		0.03	0.1-180	AB			35	1495.00	
	D-75.3	P	3	No	24	900		75	125		0.03	0.3-200	AB			24	1095.00	

## A Symphony of

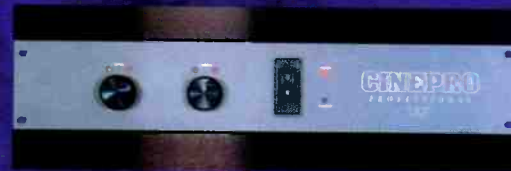


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# AMPLIFIERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	Integrated Amp=I, Power Amp=P, Tube=T, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes		
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode: Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to KHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)
MUSICAL FIDELITY	Elektro E10	I	2	No	47	300	Yes	40	75	0.005	10-20	AB			20	499.95		
	A2	I	2	No	47	300	Yes	25	50	0.005	10-20	A			23	699.95		
	A220	I	2	No	47	300	Yes	50	100	0.005	10-20	A			35	999.95		
MUSIC REFERENCE	RM-9 Special	P/T	2	No	100	1V		125	160	0.2	20-20	AB2	1.5		63	6875.00	Optional adjustable gain and headphone jack; mono version available.	
	RM-10	P/T	2	No	100			35	35	0.3	20-20	A/AB1			16	1350.00		
MYRYAD SYSTEMS	RM-200	P/T	2	Yes	100			100	150	0.2	20-20	AB2			56	2850.00		
	MI-120(RI)	I	2	No	10	250		60	120	0.05	20-20			1	19	899.00	Responds to remote on/standby signals from Myryad preamp or integrated amp. As above.	
	MA-120	P	2	No	100	775		60	120	0.05	20-20				19	799.00		
MA-500	P		Yes					250	800	0.01	20-20				55	2750.00		
NAD	208THX	P	2	Yes	20	100		250		0.03	20-20	AB	4		38	1649.00	THX certified. As above; soft clipping. THX certified.	
	218THX	P	2	Yes	47	1.4V		225		0.03	20-20	AB	1		51	999.00		
	216THX	P	2	No		1.1V		125		0.03	20-20	AB			31	699.00		
	214	P	2	No	60	900		80		0.03	20-20	AB	1.4		25	449.00	May be paired with model above for 240-watt/channel stereo operation. A/V surround amp. †50 watts x 3 and 15 watts x 2. ††75 watts x 2.	
	317(RI)	I	2	No		150	No	80		0.03	20-20	AB	1.5		27	799.00		
	AV316(RI)	I	5	No	50	150	Yes	†		††	0.08	20-20	AB	2.5		21		649.00
	314	I	2	No	18	1V	Yes	35		0.03	20-20	AB	5.5		14	399.00		
	312	I	2	No	20	1.1V	Yes	25		0.03	20-20	AB	3		13	279.00		
	310	I	2	No	10	1V	No	20		0.05	20-20	AB	3		9	199.00		
912	P	2	No	10	1V		30				20-20	AB	2		13	279.00		
916	P	6	No	10	1V		30				20-20	AB	2		29	699.00		



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CIRCLE NO. 83 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amps - Power Amp-P; Tube-T, Hybrid-H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Weight, Pounds (To Nearest Pound)	Price, \$	Notes	
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs				Surround Processing - See Code
NAIM AUDIO	NAIT 3R(RI)	I	2	No	75	Opt.	30	45		0.01	20-20	B				10	1500.00	Optional MM or MC phono stage, \$175.00.	
	NAIT 3	I	2	No	75	Opt.	30	45		0.01	20-20	B				10	1150.00	As above.	
	NAP 90/3	P	2	No			30	45		0.01	20-20	B				12	900.00	Includes 24-V power supply for Naim preamps.	
	NAP 140	P	2	No			45	70		0.01	20-20	B				14	1550.00	As above.	
	NAP 180	P	2	No			60	90		0.01	20-20	B				26	2200.00	As above.	
	NAP 250	P	2	No			70	125		0.01	20-20	B				30	3400.00	As above.	
NAP 135	P	1	No			75	135		0.01	20-20	B				30	3400.00	Fan-cooled.		
NAKAMICHI	PA-1 IA-1z(RI)	P I	5 2	No No	47	No No	100 80			0.1 0.1					4	DP/3	48 38	2000.00 2900.00	
NELSON-REED	Triodium I Triodium II	I/T P/T	2 1	No No	48 33	800 800	18 30	18 30		0.25 0.4	17-28 18-25	A A	1.75 2.0			60 48	5400.00 5400.00	Single-ended, zero feedback. As above.	
N. E. W.	Monterrey	P	1	Yes	23		No	125	250		0.009	15-22	A			56	2395.00		
	DAA-35(RO) Fallbrook(RI)	I I	2 2	No No			No No	40 100	80 200		0.008 0.009	20-20 15-22	A A			29 50	1495.00 2398.00	Source selector and balance control can be bypassed.	
	Newport(RI)	I	5	No			No	100	180		0.01	20-20	A/AB		3	DP/3	65		
NHT	SA-1	I	1	No			No	60			0.03	10-200 Hz	AB			11	255.00	Subwoofer amp; line- and speaker-level inputs; variable low-pass filter.	
	SA-2	I	1	No			No	120	165		0.03	25-150 Hz	G			15	440.00	Subwoofer amp; line- and speaker-level inputs and outputs; variable low-pass and selectable high-pass filters.	
	SA-3	I	1	No			No	250†	350††		0.03	10-150 Hz	G			24	750.00	Subwoofer amp; line-level inputs and outputs; filters as above. †Into 6 ohms. ††Into 3 ohms.	
NILES AUDIO	SI-1200	P	12	No			No	25		50	0.08	20-20	AB			30	999.00	Auto on; input bus can feed all 12 channels.	
	SI-250 TVA-20	P P	2 2	No No	56		No No	125 20	185 395		0.08 0.05	20-20 20-20	AB AB			28 6	729.00	Auto on; auto local/main source switching.	
OCM TECHNOLOGY	OCM 1600	P	1	Yes	50	2.1V		800	1600		0.2	0.2-100	AB	1.7		69	4600.00	Balanced connections only.	
	OCM 500	P	2	Yes	50	1.1V		200	400		0.25	0.2-100	AB	3		66	2695.00	Optional dual outputs.	
	OCM 200	P	2	Yes	50	790		100	200		0.25	0.2-100	AB	3		39	1795.00	As above.	
	OCM 100	P	2	No	10	1.4V		100	150	110	0.05	5-20	AB	1.4		26	995.00	Rear-panel mono switch.	
OCTAVE RESEARCH	OR-1	P	2	No	100	1.5V		80	160	320	0.9	20-20	A	1.5		80	3650.00	No negative feedback.	
ODYSSEY DESIGN GROUP	Stratos	P	2	Yes	10			150	270		0.005	1-450	A/AB			60	From 995.00		
ONIX	OA30L-Mk2	I	2	No	250			40	60		0.02	20-20	AB			13	695.00	Headphone jack.	
	OA30M-Mk2	I	2	No	250		Yes	40	60		0.02	20-20	AB			13	795.00	As above.	
	OA31L-Mk2	I	2	No	250			60	90		0.01	20-20	AB			14	1095.00	As above; with tone controls, OA31LT/2, \$1295.00.	
	OA31M-Mk2	I	2	No	250		Yes	60	90		0.01	20-20	AB			14	1295.00	Headphone jack.	
	OA32L	I	2	No	250			50	70		0.02	20-20	AB			13	895.00	As above.	
	OA701	P	2	No	250			70	140		0.01	20-20	AB			16	1895.00		
	OA901	P	1	No	250			100	190		0.01	20-20	AB			16	1895.00	Bi-wire facility.	
	OA1200	P	2	No	250			100	170		0.02	20-20	AB			21	1495.00	As above.	
ONKYO	M-501	P	2	No	50		No	150			0.09	20-20	AB			23	399.95	Multi-room remote capability when used with P-301 preamp.	
	Integra M-504	P	2	No	50		No	165			0.003	20-20	AB			46	869.95		
	Integra A-9911	P/T	2	No	25	300	Yes	90			0.06	20-20	AB			43	1119.95	Mid-bass control; zero feedback.	
	Integra A-9711 (RI)	I	2	No	25	300	Yes	80			0.06	20-20	AB			33	849.95	Zero feedback.	
	A-9310(RI)	I	2	No	25	300	Yes	50			0.08	20-20	AB			17	364.95		
	A-SV420(RI)	I	5	No	50	150	Yes	†			0.08	20-20	AB			22	419.95	Surround amp; hall surround. †Stereo, 100 watts x 2; surround, 50 watts x 3 and 15 watts x 2.	
A-SV620(RI)	I	5					†			0.08	20-20				0	27	649.95	Surround amp; DSP. †Stereo, 120 watts x 2; surround, 75 watts x 3 and 25 watts x 2.	
Integra A-SV810PRO (RI)	I	5	No	50		Yes	†			0.06	20-20	AB			DP/O	39	1099.95	Surround amp; DSP. †Stereo, 75 watts x 2; surround, 85 watts x 3 and 35 watts x 2.	
OPTIMUS	SA-155	I	2	No			Yes	1.8			1.0	20-20				0	59.99	Phono input switchable to magnetic or ceramic.	
PAPWORTH AUDIO TECHNOLOGY	TVA10	P/T	2	No	100			50	100		0.1	10-25	AB			40	3000.00		
	M100	P/T	1	No	100			100	50		0.15	20-30	AB			40	5600.00		
	M200	P/T	1	No	100			200	200		0.25	10-30	AB			70	8800.00	Pair	
PARADOX	Probe	P	2	No	100	2V	No	100	200			0-60	AB	3		30	5000.00		
PARASOUND	ZAMP	P	2	No	50		No	30	45	90	0.05	15-50	AB	1.5		5	249.00	Half-rack width; DC-triggered remote turn-on.	
(Continued)	HCA-2200II	P	2	Yes	150		No	250	400	800	0.009	2-150	AB	2.2		60	1795.00	Direct-coupled.	



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CIRCLE NO. 84 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model	Type	Integrated Amp=I, Power Amp=P, Tube=T, Hybrid=H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Weight, Pounds (To Nearest Pound)	Price, \$	Notes
									Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs			
PARASOUND (Continued)	HCA-750A	P	2	No	33		No	75	100	200	0.1	12-80	AB	1.5		27	429.00	Auto turn-on. THX certified. Bridges to four- or five-channel operation. As above, direct-coupled; THX certified. Auto turn-on; direct-coupled; THX certified. As above. As above. As above. As above. As above. As above. As above. As above. As above.	
	HCA-2003	P	3	No	50		No	200	300	600	0.05	12-80	AB	1.5		60	1650.00		
	HCA-806	P	6	No	33		No	80	120	240	0.03	12-80	AB	1.5		50	1195.00		
	HCA-1206	P	6	No	33		No	135	200	300	0.03	12-120	AB	1.9		71	1950.00		
	HCA-2105A	P	5	No	50		No	200	300		0.03	20-20	AB1	1.5			2500.00		
	HCA-1205A	P	5	No	33		No	120	200		0.03	20-20	AB1	1.5			2000.00		
	HCA-1203A	P	3	No	33		No	120	200		0.03	20-20	AB1	1.5			1195.00		
	HCA-1500A	P	5	No	33		No	205	315	630	0.03	20-20	AB1	1.5			995.00		
	HCA-1000A	P	2	No	33		No	135	200	300	0.03	20-20	AB1	1.5			575.00		
	HCA-3001	P	2	Yes			No	100	190		0.02	20-20	A				2000.00		
HCA-2500A	P	2	Yes			No	†	†	800	0.02	20-20	A/AB				2000.00	†Class-A mode, 75 watts into 8 ohms, 120 watts into 4 ohms; Class-AB mode, 250 watts into 8 ohms, 400 watts into 4 ohms. Auto turn-on. Headphone amp; two 1/4-inch jacks.		
P/HA-150	P	2	No			No		10			0.02	20-20	A				290.00		
PASS LABORATORIES	Aleph 0	P	1	Yes	10	280		75	150		1	20-20	A	0			4000.00	Single-ended.	
	Aleph 0s	P	2	Yes	10	280		40	80		1	20-20	A	0			4000.00	As above.	
	Aleph 1.2	P	1	Yes	10	280		200			1	20-20	A	0			7000.00	As above; two gain stages.	
	Aleph 2	P	1	Yes	10	280		100			1	20-20	A	0			3300.00	As above.	
	Aleph 3	P	2	No	23	280	No	30			1	20-20	A	0			2300.00	As above.	
Aleph 4	P	2	Yes	15	280	No	100			1	20-20	A	0				5800.00	As above.	
Aleph 5	P	2	Yes	10	280	No	60			1	20-20	A	0				3600.00	As above.	
PATHOS	Twin Towers	I/H	2	No	100		No	30	30		0.5	13-78	A			100	4900.00	Zero feedback. As above.	
	InPower	P/H	1	Yes	100		No	75	75		0.4	5-60	A			100	5900.00		
PENTAGON	P-70	P		No			No	100	200	400	0.005	1-106	AB			40			
	A-70	I		No			Yes	70	140		0.008	1-105	AB			25			
PERREAUX	750	P	1	Yes	†	135	No	750	1300		0.05	20-20	AB	2		77	From 4995.00	†Balanced, 20 kilohms; unbalanced, 12 kilohms.	
	400	P	1	Yes	†	135	No	400	600		0.05	20-20	AB	2		37	Each From 2995.00		
	350	P	2	Yes	†	135	No	350	600		0.02	20-20	AB	2		77	Each From 4595.00		
	250	P	2	Yes	†	135	No	250	450		0.02	20-20	AB	2		66	From 3995.00		
	200	P	2	Yes	†	135	No	200	300		0.02	20-20	AB	2		33	From 3995.00		
	6160	P	6	No	12	135	No	160	225	425	0.02	20-20	AB	2.3		81	From 2995.00		
	E160	P	2	No	12		No	160			0.02	20-20	AB				4995.00		
200i	I	2	No		150	No	200	300		0.02	20-20	AB	2		37	From 1795.00			
PETRAS	SD100	P	1	No	47	110	No	100	140		0.04	20-20	AB	1.2		14	250.00	Subwoofer amp; variable crossover; speaker- and line-level inputs.	
PIONEER	A-301	I	2		40		Yes	40	50		0.01	20-20				15	325.00		
POLYFUSION AUDIO	860	P	2	Yes	20		No	100	200	200	0.006	5-25	A/AB			36	2850.00		
	960	P	2	Yes	20		No	200	400	400	0.006	5-25	A/AB			60	4950.00		
	870	P	3	Yes	20		No	100	200		0.006	5-25	A/AB			42	3450.00		
PRIMARE	301	I	2	Yes		†	Opt.	80	160		0.07	10-100	AB	3		45	2950.00	Fully balanced circuitry. †Balanced, 500 mV; unbalanced, 250 mV.	
PROCEED	Amp 2	P	2	Yes	†			150	250	600	0.3	20-20	AB			47	1995.00	THX certified; upgrade to model below, \$1000.00. †Balanced, 100 kilohms; unbalanced, 30 kilohms. THX certified.	
	Amp 3	P	3	Yes	†			150	250		0.3	20-20	AB			61	2995.00		
PS AUDIO	100 Delta	P	2	No	30	1.2V	No	120	200		0.1	20-20	AB			45	1295.00	With balanced inputs, \$2195.00.	
	200 Delta	P	2	No	30	1.47V	No	200	375		0.1	20-20	AB			68	1995.00		
	250 Delta	P	1	No	30	1.88V	No	250	400		0.1	20-20	AB			52	1247.50		
PSE	STV	P	1	Yes	50	1.2V	No	120	230			0-500	A/AB	1		23	1900.00	Pair	
QSC	1200	P	2	Yes	20	1V	No	100	150	300	0.10	5-60	AB	2		24	726.00		
	1400	P	2	Yes	20	1V	No	200	300	600	0.10	5-60	AB	2		34	934.00		
	1700	P	2	Yes	20	1.02V	No	325	500	1000	0.10	5-60	AB	1.9		54	1464.00		
	EX 800	P	2	Yes	20	1V	No	175	275	550	0.05	5-84	AB	2		40	1185.00		
	EX 1250	P	2	Yes	20	1V	No	275	400	800	0.05	5-67	H	3		42	1455.00		
	EX 1600	P	2	Yes	20	1V	No	400	600	1200	0.05	5-55	H	3		44	1765.00		
	EX 2500	P	2	Yes	20	1V	No	500	750	1500	0.05	5-50	H	3		55	2335.00		
	EX 4000	P	2	Yes	20	1V	No	800	1200	2400	0.05	5-39	H	3		64	2755.00		
	MX 700	P	2	Yes	20	960	No	150	225	450	0.10	5-91	AB	3		25	650.00		
	MX 1000a	P	2	Yes	20	1.12V	No	250	350	700	0.05	5-70	H	3		42	1095.00		
	MX 1500a	P	2	Yes	20	1.05V	No	350	500	1000	0.05	5-60	H	3		42	1165.00		





# B-60

"Bravo, Bryston! A landmark...a reference...a triumph...a steal!" *Stereophile, May 1997*

The remarkably compact, Bryston B-60 Integrated Amplifier provides 60 watts per channel at 8 ohms and 100 watts per channel at 4 ohms.

There are provisions for four high level inputs, (CD, Tuner, Video and Aux) in addition to one tape loop and a pre-out/main-in feature. A headphone jack is also provided.



*B-60 Integrated Amplifier*

If your requirements are for sonic excellence in a versatile, convenient package, without compromises in performance, value and reliability, look

no further than the Bryston B-60 Integrated Amplifier.

Call us today, or visit our web site to receive a free product brochure, 705-742-5325, [www.bryston.ca](http://www.bryston.ca)



CIRCLE NO. 21 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amp= Tube = T, Hybrid = H	Power Amp = P	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes		
									Cont. Average Watts/Channel into 8 Ohms	Peak Average Watts/Channel into 8 Ohms	Bridged Mode: Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)
QSC (Continued)	MX 2000a	P	2	Yes	20	1.07V	No	450	650	1300	0.05	5-52	H	3		54	1555.00		
	MX 3000a	P	2	Yes	20	1V	No	800	1200	2400	0.10	5-39	H	3		69	2285.00		
	PowerLight 1.0	P	2	Yes	20	940	No	190	325	650	0.10	5-80	AB	1.9		18	1428.00		
	PowerLight 1.4	P	2	Yes	20	960	No	300	500	1000	0.10	5-64	H	1.9		18	1648.00		
	PowerLight 1.8	P	2	Yes	20	1.14V	No	400	650	1300	0.10	5-55	H	1.9		18	1978.00		
	PowerLight 2.0HV	P	2	Yes	20	1.16V	No	650	1000	2000	0.10	5-35	H	3		18	2148.00		
	PowerLight 3.4	P	2	Yes	20	960	No	725	1150	2300	0.10	5-34	H	1.9		30	2998.00		
	PowerLight 4.0	P	2	Yes	20	1.06V	No	900	1400	2800	0.10	5-37	H	1.9		30	3298.00		
	USA 400	P	2	Yes	20	1.12V	No	125	185	370	0.10	5-60	AB	2		24	650.00		
	USA 900	P	2	Yes	20	1.16V	No	270	425	850	0.10	5-60	AB	2		34	785.00		
USA 1310	P	2	Yes	20	1.12V	No	400	650	1300	0.10	5-60	AB	2		54	1125.00			
QUICKSILVER AUDIO	GLA M-60	P/T	2	No	100			40	40			13-55	AB			42	1295.00		
		P/T	1	No	100			60	60			15-50	AB			32	997.50		
	M-135	P/T	1	No	100			135	135			10-150	AB			70	3750.00		
V4 Mono Amp	P/T	1	No	100		No	120	120			22-40	AB			51	1900.00	Each		
RANE	MA 6S	P	6	Yes	20	775		100	150		0.07	10-55	AB	1		33	1599.00	Bridgeable.	
	SSA 6	P	6	No	20	775		100	150		0.07	10-55	AB	1		33	1599.00	As above.	
RBH SOUND	SAM-150	P	1	No	50	150	Yes	150	160		0.05	20-160	AB	1.5		10	299.00	Subwoofer amp.	
	SAM-200	P	1	No	50	150	Yes	200	210		0.05	20-20	AB	1.5		18	349.00	As above.	
SAM-250	P	1	No	50	200	200	Yes	200	210		0.05	20-180	AB	1.5		9	399.00	As above.	
R. E. DESIGNS	LNPA-150	P	1	No	39	1.2V	Yes	80	150		0.1	5-80	AB	0		40	2700.00	Operates into 2 ohms.	
REFERENCE LINE AUDIO	Model One Signature	P	2	Opt.	100	375	No	100	200	375	0.1	0-100	A			90	5695.00	Upgradable to model below; optional external power supply, \$2995.00.	
	Model One Silver Signature	P	2	Opt.	100	375	No	100	200	375	0.1	0-100	A			90	7895.00	Power supply as above.	
REGA RESEARCH	Brio	I	2	No		150		30	50							12	495.00		
	Elex	I	2					50								15	750.00		
	Elicit	I	2					70	110	140						18	1425.00		
	EXS	I	2	Yes				70	110	140						18	995.00		
	EXXON	P	1	Yes				125	225							18	1990.00	Pair	
REVOX	S25 Elegance (RO)	I	2	No	47	280	Yes	60	60		0.1	20-30	AB1	1.8		15	1195.00		
	B25 Emotion (RI)	I	2	No	47	350	Yes	100	150		0.007	20-30	AB1	1.8		25	1995.00	Multi-room ready.	
	E240 Exception (RI)	I	2	No	47	350	Opt.	175	200		0.007	20-30	AB1	2		35	2995.00	As above.	
ROCKTRON	Surround 600	P	6	Yes	20	1V		100	150		0.01	20-20 ±0.5	AB			35	1499.00	XLR/phone jack.	
ROKSAN AUDIO	Caspian(RI)	I	2	No	47	240	No	70	120		0.003	2.5-80	AB			28	1800.00		
	Rok S1.5	P	2	No	47	240	No	70	140		0.003	2.5-80	AB			36	2590.00		
	Rok M1.5	P	1	No	47	240	No	160	320		0.003	2.5-80	AB			36	3890.00	Each	
ROTEL	RA-931	I	2	No	20	150	Yes	30			0.03	20-20	AB			13	300.00		
	RA-971	I	2	No	24	160		60	90		0.03	20-20	AB			14	500.00		
	RA-985BX(RI)	I	2	No	24	150		100			0.03	20-20	AB			22	800.00	Separate record.	
	RB-951	P	2	No	32	775	No	50		150	0.03	20-20	AB			15	350.00	Two-zone operation.	
	RB-976	P	6	No	27	1V		60		†	0.03	20-20	AB			23	499.90	Auto-on; bridged or parallel mono; input level control.	
	RB-971	P	2	No	27	1V		60		180	0.03	20-20	AB			15	400.00	†90 watts x 3.	
	RB-981	P	2	No	33	1V		130		360	0.03	20-20	AB			22	599.90		
	RB-991	P	2	Yes	33	1V		200			0.03	20-20	AB			34	999.90		
RB-985 THX	P	5	No	27	1V		100			0.03	20-20	AB			34	1000.00	THX certified; DB-25 input.		
JEFF ROWLAND DESIGN GROUP	9T	P	1	Yes	Sel.	Sel.		350	700		0.08	20-20	AB			225	28,000	Four chassis; available with AC or battery power supplies.	
	8T	P	2	Yes	Sel.	Sel.		250	500		0.08	20-20	AB			150	12,200	Optional battery power supply, \$3000.00.	
	6	P	1	Yes	Sel.	Sel.		150	250		0.05	20-20	AB			90	10,800	As above but \$5200.00 per pair.	
	2 Concentra	P	2	Yes	Sel.	Sel.	Opt.	75	125	150	0.05	20-20	AB			47	5800.00	As above but \$2600.00.	
IA-48	I	8	No	39			40	56		0.006	20-20	A			28	995.00	For sound-distribution systems; four stereo volume, bass, and treble controls; bridgeable stereo pairs.		
AP-48	P	8	No	39			56	62		0.006	20-20	A			26	900.00	Bridgeable stereo pairs.		
SANSUI	AV-X907MRX	I	2	Yes	47	150	Yes	160			0.003	20-20				73	3999.00		
	AV-X607MRX	I	2	No	47	150	Yes	90			0.003	20-20				40	1759.00		
	AV-X710R	I	2	No	47	150	Yes	80			0.08	20-20				24	499.00		
	AV-X510R	I	2	No	47	150	Yes	55			0.08	20-20				17	439.00		
	AV-X410R	I	2	No	47	150	Yes	50			0.08	20-20				13	269.00		
	AV-X310	I	2	No	47	150	Yes	40			0.08	20-20				14	239.00		
	AV-7100	I	5	No	47	150	Yes	†			0.03	20-20				29	699.00		
	AV-5100	I	5	No	47	150	Yes	†			0.03	20-20				25	449.00	†Main, 75 watts x 2; center, 75 watts x 1, surround, 25 watts x 2. †Main, 55 watts x 2; center, 55 watts x 1; surround, 17 watts x 2.	

(Continued)



*"The Most Complete Amplifier Ever"*



*"... the most satisfying amplifier I've ever heard. It doesn't sound like tubes, it doesn't sound like transistors, it sounds ... like music"*

*Michael Gindi, Fi magazine, USA*

*"The Convergent JL1 breaks new ground. We have never had a better amp in our reference system. ... it is tonally beyond reproach, and it is irreplaceable in our reference system, therefore we rank the Convergent JL1 first place."*

*Joachim Pfeiffer, Stereo magazine, Germany*

**Convergent Audio Technology**

85 High Technology, Rush NY 14543 716-359-2700

CIRCLE NO. 85 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amp= Tube = T, Hybrid = H	Power Amps = P	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP							A/V		Notes	
									Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing—See Code		Weight, Pounds (To Nearest Pound)
SANSUI (Continued)	AV-3100	I	5	No			Yes	†			0.03	20-20				DP/O	22	349.00	†Main, 50 watts x 2, center, 50 watts x 1, surround, 30 watts x 2.
SIGNATURE TECHNOLOGIES	SRa-8	P/H	2	No	100			35	35	70	0.03	30-21	A	1.2			30	1695.00	
	SRa-4	P/H	2	No	100			70	70	140	0.03	30-21	A	1.2			40	2795.00	
	SRa-9	P/H	1	No	100			200	200		0.03	30-21	A	1.2			80	5600.00	
SM AUDIO	Studio Series	P	2	No	50	800	No	80	160		0.02	20-20	AB				30	1049.00	
	Signature Series	P	1	Yes	50	1V	No	100	200		0.02	15-50	AB				42	999.00	
SONANCE	ASAP-1	P	2	No	47	Adj.		20			0.1	20-20	AB	2.9			7	275.00	Line- and speaker-level inputs; auto source switching. Operates into 2 ohms, with three-zone speaker selector, Sonamp 260X3, \$499.00.
	Sonamp 260	P	2	No	47	625		60	100	200	0.05	20-20	AB	1.5			20	430.00	
SONIC FRONTIERS	Power-1	P/T	2	Yes	100	940	No	55	55		1	20-20	AB1				50	2495.00	
	Power-2	P/T	2	Yes	100	1.25V	No	110	110		1	20-20	AB1				110	4995.00	
	Power-3	P/T	2	Yes	100	2.2V	No	220	220		1	20-20	AB1				100	9995.00	
SONOGRAPHE	SA250	P	2	No	100		No	125	200		1.0	20-20	AB				40	1195.00	
	SA400	P	2	No	100		No	200			1.0	20-20	AB				44	1695.00	
SONOGY	Black Knight	P	2	Yes	100	1.5V	No	165		400	0.5	20-20	A/AB					3300.00	Fully balanced circuitry; zero feedback. As above.
	Black Knight (High Current)	P	2	Yes	100	1.5V	No	175	300	500	0.5	20-20	A/AB					3600.00	
	Concept 60 Cantata	P	2	Yes	100	1.35V	No	60	120	240	0.5	20-20	A/AB					4400.00	
SONY ES	TA-N220	P	4		50			45		†	0.1	20-20	AB				20	400.00	†Bridges to three channels (45 watts x 2 and 100 watts x 1) or two channels (100 watts each).
	TA-N55ES	P	2		20	180		110	150	300	0.05	5-50	AB	1.5			26	580.00	
	TA-N90ES	P	2	Yes	50	1.1V		100	140		0.015	1-200	AB	1.7				2700.00	
	TA-F707ES(RI)	I	2	No	20	150	Yes	90	120		0.004	2-200	AB				46	1200.00	
	TA-F808ES(RI)	I	2	No	20	150	Yes	100	130		0.004	2-200	AB				54	1700.00	
SOUNDOLIER	THP-CXB	P			25			100	100			20-70	AB					561.00	
SOUNDSTREAM TECHNOLOGIES	m1m	P	1	Yes		1.1V		120	230		0.05	20-20	AB	1.8			14	449.00	Remote turn-on with 5-V signal. As above. Bridgeable; operates into 1 ohm; for use with Soundstream A/V multi-zone systems.
	m2m	P	2	Yes		1.1V		120	230		0.05	20-20	AB	1.8			28	899.00	
	m3m	P	3	Yes		1.1V		120	230		0.05	20-20	AB	1.8			42	1349.00	
	RA100 MkIII (RO)	I	2	Yes		120		35	50		0.1	20-20	AB	1.8	1		5	400.00	
SOUND VALVES	M40i	P/T	1	No	150	1.2V		40	40		1	10-75	AB1	1.2			17	1799.00	Adjustable bias; optional cover; kit, \$1199.00 per pair. Adjustable bias; kit, \$899.00. Switchable to 30-watt triode operation, adjustable bias. Optional rack and handles.
	VTA70i	P/T	2	No	100	1.2V		35	35	70	1	10-50	AB1	1.2			32	1099.00	
	M60i	P/T	1	No	300	1.6V		60	60		0.7	5-75	AB1	1.2			33	2599.00	
	SV-250	P	2	No	47	1.55V		130	130		0.03	20-20	AB				30	699.00	
SPECTRAL AUDIO	DMA-180 Reference Series 2	P	2	Yes	100	200	No	200	400		0.009	0-2M	AB	3			60		
	DMA-150 DMA-90	P	2	Yes	10	200	No	150	300	180	0.009	0-2M	AB	3			54		
SPHINX	Myth II	P	2	No	20		No	100	165		0.006	20-20					22	2295.00	
	Myth 3	I	2	No	20		No	50	68		0.014	20-20					15	1795.00	
	Myth 5	I	2	No	20		No	74	115		0.006	20-20					18	2295.00	
	Project 10	I	2	Yes	20		No	80	120		0.01	20-20	AB				26	3300.00	
	Project 12	P	1	Yes	20		No	150	245		0.008	20-20	AB				29	3600.00	
	Project 18	P	2	Yes	20		No	160	280		0.01	20-20	AB				53	7200.00	
SUNFIRE	Sumfire	P/T	2	Yes	470	150		300	600	1200	0.5	20-20	AB	1			42	2175.00	
Signature Cinema Grand	P/T	2	Yes	470	150		600	1200		0.5	20-20	AB	1			45	2995.00		
SUTHERLAND	A-1000	P	1	No	75	5V		200	400		0.1		AB				90	20,000	Pair
	A-2000	P	1	No	100	4V		100	200		0.1		AB				40	10,000	
SYMETRIX	420	P	2	Yes	10	550		20	20	40	0.4	20-20	AB				8	399.00	†Headphone amp.
	SX204	†	2	Yes	10			4			0.02	20-20						319.00	
SYMPHONIC LINE	S 200	P	2	Yes	10			150	300		0.005	2-400	A/AB				70	4295.00	
	M 300	P	1	Yes	10			200	400		0.005	1.5-600	A/AB				75	8500.00	
	Kraft 250 Reference Stereo	P	2	Yes	10			280	550		0.005	1-750	A				120	12,500	
	Kraft 250 Mono Reference	P	1	Yes	10			280	550		0.005	1-750	A				100	18,500	
	Kraft 400 Mono Reference	P	1	Yes	10			450	900		0.005	1-1000	A				270	36,000	



# SIMPLIFY...



## FET Control Buffer 04r

Our new control center blends state of the art musical reproduction with remote controlled convenience. A single, ultra-quiet class A FET follower is path active for the unbalanced inputs below the -14 dB volume level. A minimalist gain stage is path integrated, via logic activated relays, only during very high volume settings. This circuit approach provides the simplest and most musically revealing signal path of any "preamplifier" design.

## Amplifiers 11.5 and 20.5

Our new amplifiers also offer a more streamlined circuit topology over their chassis family predecessors. This allows for an even more articulate and transparent presentation of the original musical event. Additionally, both products provide remote controlled balanced and unbalanced input selection along with remote standby circuit activation. Each amplifier incorporates a sonically unobtrusive, proprietary protection circuit that safeguards against the potential of incoming DC offset and oscillation.

**CODA**  
TECHNOLOGIES INC.

THE CONTINUUM GROUP  
9941 Horn Road Unit A  
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Phone: (916) 363-4653  
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CONTINUUM

CIRCLE NO. 86 ON READER SERVICE CARD

# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amp = Power Amp-P, Tube = T, Hybrid = H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP					A/V		Weight, Pounds (To Nearest Pound)	Price, \$	Notes	
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode: Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB				Number of Video Inputs
TANDBERG	TPA 4036	P	2	No	100	100	No	100	160		0.006	20-20	AB	1.4		22	1499.00	
	TPA 4146	P	2	No	100	100	No	120	200		0.01	20-20	AB	1.2		24	1299.00	
	TPA 4147	P	3	No	100	100	No	120	200		0.01	20-20	AB	1.2		26	1599.00	
TAURUS AUDIO	70 MK3	P/T	2	No	100			50	50		1	10-50	AB			33	980.00	EL34 tubes.
	120S	P/T	2	No	100			70	70		1	10-50	AB			40	1400.00	KT88 tubes.
	300B	P/T	2	No	100			25	25		1	10-50	AB			33	1800.00	300B tubes.
TEAC	A-BX10B	I	2	Yes	20	†		100	160	120	0.06	20-20				26	2700.00	†Balanced, 1 V; unbalanced, 300 mV.
TECHNICS	SEC-A1000(RI)	P	2	Yes				70			0.01	20-20	AA	0.3		22	499.95	Battery-powered.
	SU-A700 Mk2 (RI)	I	2	Yes				40	55		0.01	20-20	AA	0.9			449.95	
THOR AUDIO	TPA-150	P/T	1	No	475			150	150		0.01	10-30	A			120	14,990 Pair	
THORENS	TTA 2000	P	2	Yes	30	1V		35	60			10-150	A			17	1480.00	
	TMA 2000	P	1	Yes	15	700		140	190			10-100					1250.00 Each	
THRESHOLD	T50	P	2	Yes	47	850		50	100		0.1	0-100	A			35	2490.00	insulated-gate bipolar transistor output stage; toroidal transformer.
	T100	P	2	Yes	47	850		60	120	180	0.1	0-100	A			52	3190.00	As above.
	T200	P	2	Yes	47	1.13V		100	200	330	0.1	0-100	A			72	4650.00	As above.
	T400	P	2	Yes	47	1.4V		150	300	450	0.1	0-100	A			96	5950.00	As above.
	T800	P	2	Yes	47	900		200	400		0.1	0-100	A			134	7890.00	As above; with meters. T800D, \$8490.00.
TRANSCENDENT SOUND	T8-MB	P/T	1	No	100	1.5V	No	80	50		0.5	5-20	AB			80	6995.00 Pair	Output transformerless; direct-coupled output.
	T8-ST	P/T	2	No	100	1.5V	No	25	15		0.5	5-20	AB			40	3595.00	As above.
TUBE RESEARCH LABS	GTR800	P/T	1		150	1V		800					A/AB			400	22,500 Each	Triode; external power supply.
	GT400	P/T	1		150	1V		400					Var.			205	13,500 Each	Triode.
	TR300	P/T	1		150	1V		300					Var.			105	8750.00 Each	
	ST100	P/T	2	No	150	1V	No	100	100				Var.			105	9000.00	Optional gold panels, \$500.00.
UNISON RESEARCH	Absolute 845	I/T	2	No	47		No	40					A				23,399	Triode operation; with silver wiring, \$26,399.
	Palladio	P/T	1	No	47		No	30					A				21,699	Triode operation.
	Smart 845	P/T	1	No	47		No	24					A			6649.00 Pair	As above.	
	Simply 4P	I/T	2	No	47		No	24					A			3249.00 Pair	Pentode operation.	
	Simply 4T	I/T	2	No	47		No	11					A			3249.00	Triode operation.	
Simply 2	I/T	2	No	47		No	12					A			2149.00	Pentode operation.		
VAC	No. 25.1	P/T	2	No	100	1V		40	40		0.5		AB1			55	1790.00	Triode-connected; adjustable bias with front-panel indicators; operates into 2 ohms. Adjustable bias with front-panel indicators; operates into 2 ohms. Triode switchable; variable feedback; operates into 2 ohms; optional balanced inputs, \$500.00. Ultra-Linear or triode switchable; adjustable bias with front-panel indicators; operates into 2 ohms. Triode tubes; zero feedback; variable grounding; operates into 2 ohms. As above; 16 power supplies.
	PA 35/35 Triode	P/T	2	No	100	700		32	32		0.5	7-85	AB1			60	2950.00	
	PA 80/80	P/T	2	No	100	700		80	80		0.35	7-100	AB1			60	2790.00	
	PA 90C	P/T	1	Opt.	100	700		120	120		0.35	7-72	A			140	6990.00 Pair	
	PA 160 MkIII	P/T	1	Opt.	100	Var.		150	150		0.35		AB1			60	5690.00 Pair	
	Renaissance 140 MkII	P/T	1	No	100	500		137	137		0.7	8-50	A			260	19,900 Pair	
	Renaissance 70/70 MkII	P/T	2	No	100	500		68	68		0.7	8-85	A			130	9900.00	
	Renaissance 30/30	P/T	2	No	100	500		32	32		0.12	8-85	A			110	5690.00	
Renaissance 30/70	P/T	1	No	100	500		72	72		0.2	8-85	A			110	11,900 Pair		
VIRTUAL IMAGE	StereoBloc Twenty Forty	P/T	2	No	51	1.3V		20	20	40	1		AB			38	3500.00	Triode output; adjustable negative feedback.
VTL	ST-85	P/T	2	No	135	1.1V	No	85	85		1	10-25	AB1	1.3		43	1750.00	Switchable to 60-watt triode operation. As above but 55 watts.
	ST-150	P/T	2	No	135	1.1V	No	150	150		1	10-25	AB1	1.3		58	3750.00	
	MB-125	P/T	1	No	135	1.1V	No	125	125		1	10-25	AB1	1.3		40	3250.00 Pair	
	MB-175 Signature	P/T	1	No	135	1.1V	No	175	175		1	10-25	AB1	1.5		50	4990.00 Pair	
	MB-250 Signature	P/T	1	Yes	135	1.1V	No	250	250		1	10-25	AB1	1.5		75	6490.00 Pair	
	MB-450 Signature	P/T	1	Yes	135	1.1V	No	450	450		1	10-25	AB1	2.5		85	7490.00 Pair	
	MB-750 Signature	P/T	1	Yes	135	1.1V	No	750	750		1	10-25	AB1	2.2		140	14,490 Pair	
	Wotan Signature	P/T	1	Yes	135	1.1V	No	1250	1250		1	10-25	AB1	2.5		250	27,500 Pair	
	MB-1250 Signature	P/T	1	Yes	135	1.1V	No	1250	1250		1	10-25	AB1	2.5		250	27,500 Pair	
WAAS AUDIO-DIGITAL	1200	P/H	6	Yes	43			200	200		0.3	3-40	A	2.0		54	3400.00	Laser and fiber-optic volume controls. As above.
	1400	P/H	2	Yes	43			700			0.4	3-35	A	1.5		56	6000.00	
	440	P/H	2	Yes	43			220			0.4	3-35	A	1.5		45	2400.00	





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CIRCLE NO. 80 ON READER SERVICE CARD

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## **HAPPY SHOPPING!!!**

# AMPLIFIERS

MANUFACTURER	Model (R1)=Remote Included, (R0)=Remote Optional	P	2	No	50	400	No	100	200	0.05	20-20	AB	1.3			38	1995.00	Notes
WARNER IMAGING	VTE 201S	P	2	No	50	400	No	100	200	0.05	20-20	AB	1.3			38	1995.00	
	VTE 201S-SE	P	2	No	50	400	No	125	250	0.025	15-30	AB	1.3			39	2995.00	
	VTE 201Si(RI)	P	2	No	50	400	No	100	200	0.05	20-20	AB	1.3			42	2995.00	
	VTE 201Si-SE (RI)	P	2	No	50	400	No	125	150	0.025	20-20	AB	1.3			43	3995.00	
	VTE 401S	P	2	No	50	1.1V	No	200	400	0.05	20-20	AB	1.3			45	2995.00	
	VTE 401S-SE	P	2	No	50	1.1V	No	200	400	0.025	15-30	AB	1.3			47	3995.00	
	VTE 151M	P	1	No	50	400	No	150	300	0.05	20-20	AB	1.3			80	2995.00	
	VTE 151M-SE	P	1	No	50	400	No	150	300	0.025	15-30	AB	1.3			82	3995.00	Pair
	VTE 301M	P	1	No	50	1.2V	No	300	600	0.05	20-20	AB	1.3			90	4995.00	Pair
VTE 301M-SE	P	1	No	50	1.2V	No	300	600	0.025	15-40	AB	1.3			92	5995.00	Pair	
WAVELENGTH AUDIO	Napoleon	P/T	1	No	100	300	No	10	10		12-40	A	8.5			10	1000.00	Single-ended, 6V300B tubes.
	Cardinal X5	P/T	1	No	100	900	No	10	10		8-35	A	3			7500.00	As above.	
	Quattro Junior	P/T UT	2 2	No No	100 100	900 250	No No	8 8	8 8		12-40 15-30	A A	3 1.8			4750.00 2000.00	Single-ended, 300B tubes. Single-ended, EL 84 tubes	
WAVESTREAM KINETICS	Triode-4B Monoblock	P/T	1	No	100	1.4V		300	300		12-30	AB2	0.5			100	30,000.00	Triode tubes, switchable to 150-watt Class-A operation.
	Stereo-4B	P/T	2	No	100	1.4V		150	150		12-30 +0.1	AB2	0.5			110	36,000.00	As above but 75 watts.
WELBORN LABS	V35	P/T	2	No	150	750	No	35	35		10-40	AB				48	1500.00	Kit.
	Laser Stereo 300B	P/T	2	No	150	750	No	8	8		10-30	A				55	1495.00	As above.
	Laser II 300B Mod Block 2A3-4.5	P/T	1	No	150	750	No	8	8		50-50	A				65	1750.00	As above.
		P/T	1	No	100	750	No	3	3		20-35	A				58	1299.00	As above.
WIN RESEARCH	SA-10	P	2	Yes	25	1.6V	No	65	120	0.008	5-60	AB				40	4000.00	
WOLCOTT AUDIO	Presence P220-M	P/T	1	No	100	1.5V	No	175	220	0.005	16-20	AB	1.0			68	7995.00	Microprocessor-controlled output tube bias.

# “...one hell of

Stereo Review, June 97





# AMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Integrated Amp = I, Power Amp = P, Tube = T, Hybrid = H	Maximum Number of Channels	Balanced Inputs?	Input Impedance, Kilohms	High-Level Sensitivity, mV	Phono Input?	POWER AMP						A/V		Notes			
								Cont. Average Watts/Channel into 8 Ohms	Cont. Average Watts/Channel into 4 Ohms	Bridged Mode Avg. Watts/Channel into 8 Ohms	Rated THD, %	Rated Full-Power Bandwidth, Hz to kHz	Class of Output Operation	Dynamic Headroom, dB	Number of Video Inputs		Surround Processing—See Code	Weight, Pounds (To Nearest Pound)	Price, \$
WOODSIDE	MA 100	P/T	1	No	100	750		100	125		0.2	8-60	A/AB1	1.6			38	5495.00 Pair	Peak current, 15 amps.
	MA 50	P/T	1	No	100	750		50	75		0.2	8-56	A	1.6			38	4495.00 Pair	As above.
	STA 50	P/T	2	No	100	750		50	70		0.2	8-60	A/AB1	1.6			38	2995.00 Pair	As above.
	ISA 230	I/T	2	No			Opt.	30	40		0.2	12-45	A/AB1	1.6			26	2195.00	Without MM phono stage. \$1895.00.
WRIGHT	16-I	I/T	2	No	80	120	No	8	8			30-25	A	1.0			18	750.00	Single-ended.
	60-I	I/T	2	No	80	120	No	30	30			20-35	AB	1.5			42	1650.00	
WYETECH LABS	Topaz 211A	P/T	2	No	200	350		18	18			20-25	A	3.0			106	10,800	Single-ended.
YAMAHA	MX-1	P	2	No	20	1.5V		200	260		0.09	20-20	A	1.5			53	1199.00	Operates into 2 ohms.
	MX-2	P	2	No	20	1.3V		150	190		0.09	20-20	A	1.0			43	899.00	As above.
	AX-592(RI)	I	2	No	47	150	Yes	100			0.015	20-20	AB		0		24	499.00	Operates into 4 ohms.
	AX-490	I	2	No	47	150	Yes	85			0.019	20-20	AB				21	399.00	Operates into 6 ohms.
	DSP-A3090(RI)	I	7	No	47	150	Yes	80x5, 20x2			0.015, 0.05	20-20	AB		6	DP/3/0	46	2499.00	A/V surround amp; Digital Sound Field Processing.
YBA	Intégré Phono (RO)	I	2	Opt.	47		Yes	50	90								15	1945.00	Optional MC phono, \$400.00; optional dual transformer, \$400.00; optional remote, \$300.00.
	Intégré Line (RO)	I	2	Opt.	47		No	50	90								15	1795.00	Optional dual transformer, \$400.00; optional remote, \$300.00.
	3A	P	2	Opt.	27			45	90		0.06						13	2000.00	Dual-transformer version, \$2400.00.
	2A	P	2	Opt.	27			70	140		0.09						26	3100.00	Dual-transformer version, \$4100.00; high-current version, \$3750.00.
	1A	P	2	Opt.	27			85	170		0.09						46	6000.00	High-current version, \$7000.00; mono version, \$5500.00.
	Signature Stereo Passion 1000	P	2	Yes	27			100	200		0.09						53	11,000	Two-chassis version, \$16,000; four-chassis version, \$27,000.

# an amplifier."

**"Excellent"** *Widescreen Review, Sept. 97*

**"The Ultimate Amplifier..."**  
*Audio/Video Shopper, April 97*

**"Stunning Realism"**  
*Home Theater Magazine, May 97*

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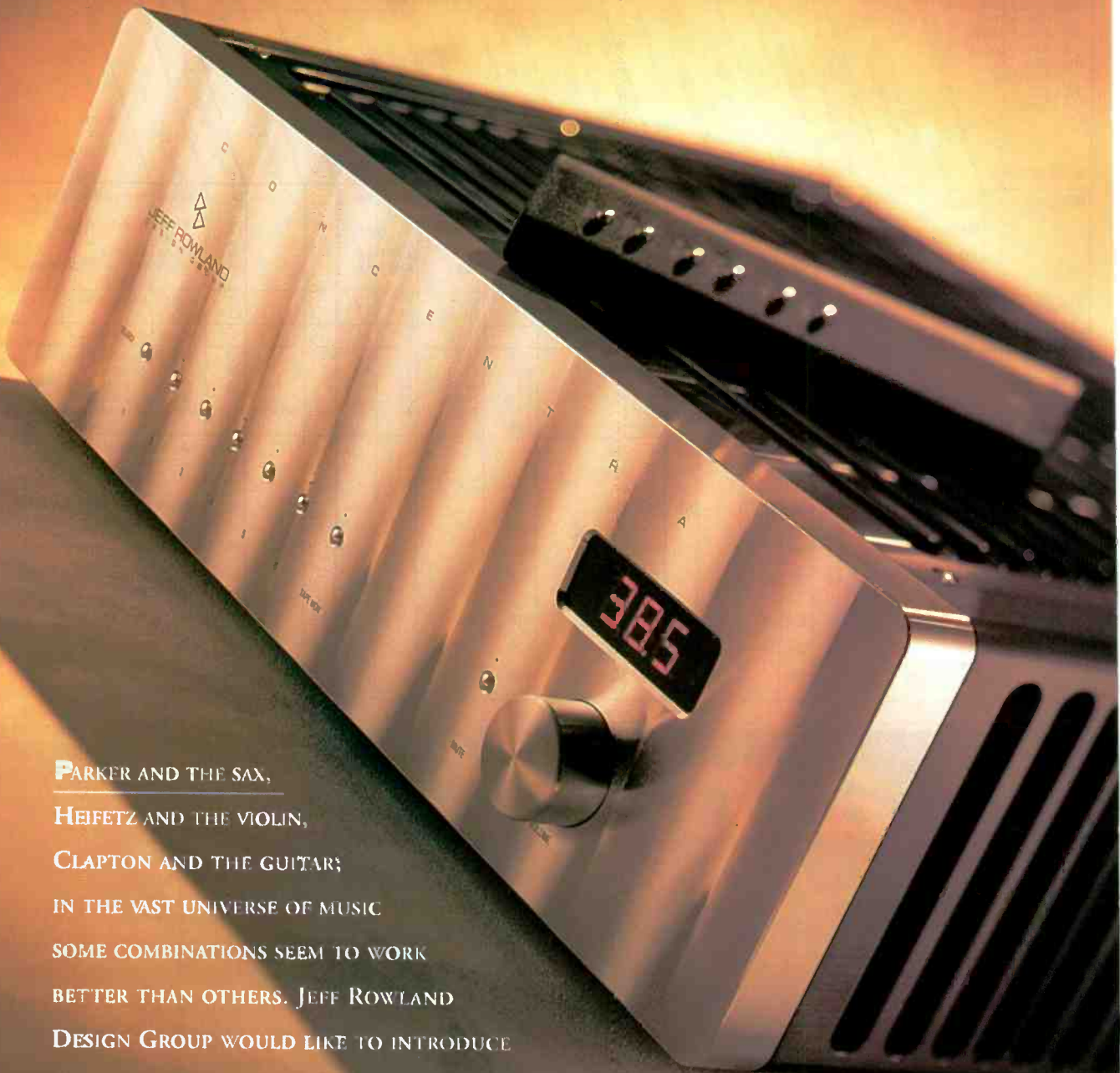
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CIRCLE NO. 87 ON READER SERVICE CARD

# C O N C E N T R A



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CIRCLE NO. 37 ON READER SERVICE CARD



# PREAMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Circuitry: Solid State=S, Tube=T, Hybrid=HT, Passive=P	Stages: MM Phono=MM, MC Phono=MC, Line or High Level=L	Balanced Analog Inputs=I, Balanced Analog Outputs=O	Digital Inputs Included, Number and Type—See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing—See Code	PHONO STAGE				Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS O—Other		
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.	Price, \$				
ACCUPHASE	DC-300(RI)	S	L	O	2C/2T	4-20 ±0.3	5	0.002	1	2					16,500	Digital signal processing; optional A/D conversion boards (phono input, tape input and output, or balanced or unbalanced line input); optional digital input boards (coaxial, AT&T, or AES/EBU).				
	C-265(RI)	S	MM/MC/L	I/O		3-350 +0 -3	6	0.005	252	2	2			2.2	92	75	6000.00	Without phono, \$5200.00. For model above. Fully balanced circuitry; includes headphone amp †Balanced, 3 Hz to 350 kHz, +0, -3 dB, unbalanced, 20 Hz to 20 kHz, +0, -0.02 dB. For model above.		
	C-290	S	MM/MC	I/O		20-20 +0. -0.2	9.5	0.005	252	2	0			2.0	94	80	14,895			
	AD-290	S	MM/MC	L	I/O		†	6	0.005	252	2	0							3495.00	
	C-275(RI)	S	L																8995.00	
AD-275	S	MM/MC	L	I/O		1-600 +0. -3	7	0.005	252	2	0			1.0	92	79	1995.00			
	C-250(RI)	S	MM/MC	L										2	88	85	3200.00			
	AD-250	S	MM/MC	L														395.00	For model above.	
ACOUSTECH ELECTRONICS	PH-1	S	MM/MC			20-20 ±0.3	6	0.01						4.0	80	60	1200.00			
ACURUS	RL 11(RI)	S	L			20-20 +0 -0.1	8	0.05	60	2	0							795.00	Discrete, Class-A circuitry; laser-trimmed volume and balance controls.	
	LS 11 P10	S	L			20-20 +0. -0.1	8	0.05	60	2	0			2.4				649.00	Discrete, Class-A circuitry.	
		S	MM/MC			20-20 ±0.3	8	0.06										395.00	As above; selectable gain and loading.	
ADCOM	GFP-750	S/P	L	I/O		5-85 ±0.5	10	†	†	1	0							1250.00	†Balanced, 0.025% and 183 mV; unbalanced, 0.095% and 365 mV. Optional phono board available.	
	GFP-345	S	L			10-50 ±0.5	10	0.005	210	2	0							400.00	Tuner/preamp/surround (see also "Tuners" and "Surround Processors"). As above; video switching. Tuner/preamp (see also "Tuners"). As above. Five-room, multi-source switcher.	
	GFP-555II	S	MM/L			10-50 ±0.3	10	0.005	52	3	2			0.55	85			600.00		
	GTP-740(RI)	S	L		2C/1T					1	0							1400.00		
	GTP-600(RI)	S	L		None		20-20 +0 -0.5	10	0.009	153	4	2								1100.00
	GTP-450(RI)	S	L		None		10-50 ±0.5	8	0.009	256	3	2								500.00
GTP-350	S	L		None		10-40 ±0.5	8	0.009	256	3	2							400.00		
	GFB-800(RI)	S	MM/L			10-50 ±0.5	7.5	0.03	76	2	0			0.88	81			800.00		
ADS	SC6(RO)	S	L		None	20-20 ±0.5	5	0.01	250		2								2999.00	Six-room, eight-source controller; for use with CP6 LCD control panels.
	SC4(RI)	S	L		None	20-20 ±0.5	5	0.01	250		2								2500.00	Four-room, eight-source AV controller; for use with CP4 or CP8 LCD control panels.
ADVANCED ELECTRO-DYNAMIC SYSTEMS	VAL-1(RI)	T	L			5-100 +0 -1	10	0.1	160										995.00	Includes solid-state headphone amp.
AESTHETIX	Callisto	T	L	I/O							0								8000.00	External power supply; stepped volume controls.
	Io	T	MM/MC	I/O															5000.00	External power supply; with stepped volume controls. \$7000.00.
AIR TIGHT	ATC-1	T	MM/L			5-100 ±1	15	0.02	150	1	0			1.8	85				3695.00	With upgraded volume pot, \$6400.00. Phono stage with one line-level input; buffered and unbuffered outputs.
	ATC-2	T	L																5400.00	
	ATE-2	T	MM/L																6000.00	
	ATL-10A	P	L																1745.00	
ALCHEMIST	Forseti	S	L	I/O		10-56 ±3	6	0.05	†	2	0								2150.00	External power supply. †Balanced, 1.2 V; unbalanced, 585 mV. External power supply; normal and inverted outputs for bridging Alchemist Kraken APD8A amp. External power supply. Four balanced inputs, four balanced outputs.
	APD21SS	S	L			3-100	7	0.1	300	1	0								1080.00	
	Kraken APD7A	S	L	I/O		3-60	7	0.1	300	2	0								1750.00	
	Forseti APD21A Statement APD24A(RI)	S	L	I/O		3-120	9	0.1	300	1	0								7950.00	
ALTERNATE AUDIO	BCAP	S	L			10-40 +0. -1	9	0.1	80	0	0								1700.00	Single-ended; Class A. As above; responds to other makers' remotes.
	RCAP(RI)	S	L			10-40 +0. -1	9	0.1	80	2	0								2500.00	
AMC	CVT1030	T	MM/L	No		4-80 +0, -3	20	0.03	150	1	2			2.3	79				599.95	Optional balanced out; with balanced in and optional balanced out, CVT1030A, \$749.95; optional digital inputs.
	AV81C(RI)	S	L	No	None	20-20 +0 -0.5	8.5	0.02	150	4	2								499.95	A/V switching. Preamp/surround (see also "Surround Processors"); upgradable to THX 4.0 or Dolby Digital (AC-3); with front-panel input and mode selectors, AV81HTC, \$799.95. Preamp/surround (see also "Surround Processors"); upgradable to Dolby Digital at expense of losing THX.
	AV81HT(RI)	S	L	No	None	20-20 +0 -0.5	8.5	0.02	150	4	2								749.95	
AV81HT-THX (RI)	S	L	No	None		20-20 +0. -0.5	8.5	0.02	150	4	2							1199.95		
AMERICAN HYBRID TECHNOLOGY	AHT/P	S	MM/MC			1-50 ±0.1	15	0.015						Sel.		98			2500.00	External power supply; DC-coupled. External power supply. As above; DC-coupled; optional balanced out.
	AHT/P Nonsignature AHT/H	S	MM/MC			1-60 ±0.05	20	0.015						Sel.		98			5500.00	
		S	L			1-1M ±1		0.015			1	0							3300.00	
ANALOG RESEARCH	Terzetto	S	MM/MC			RIIA, ±0.05	5	0.01						Sel.	85	73			995.00	Optional balanced in and out; optional external power supply.
ANTHEM	PRE 1L	T	L			2-130 +0 -0.5	30	0.1											995.00	
	PRE 1P	T	MM/MC			20-20 ±0.5		0.1						2	90	72			695.00	

# PREAMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Circuitry: Solid State = S, Tube = T, Hybrid = H, Passive = P	Stages: MM Phono = MM, MC Phono = MC, Line or High Level = L	Balanced Analog Inputs = I, Balanced Analog Outputs = O	Digital Inputs Included Number and Type — See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Taps & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS 0—Other
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wid.	MC Phono S/N, dB, A-Wid.			
ARAGON	Aurum	S	L	O		20-20 +0,-0.1	16	0.03	75	2	0		2.4	86		1799.00	Discrete, Class-A circuitry; includes external power supply, direct-coupled. As above.	
	18K MKII	S	L			20-20 +0,-0.1	8	0.04	65	2	0				1399.00			
	28K(RI)	S	L			20-20 +0,-0.1	8	0.04	65	2	0				1199.00			
	47K	S	MM/MC			20-20 ±0.3	8								595.00			
ARONOV AUDIO LABORATORY	LS-9000	T	L			10-100	4.0	0.25	250	1						1899.00		
ART AUDIO	VPI	T	MM/L	No		20-20 ±0.1	10	0.02	80	2	0		2.5	82		1695.00	Without phono stage, VPL, \$1395.00. (Preamps distributed by Monroe Stereo Systems.) Upgradable power supplies.	
	Conductor Export	T	L	No		1-80 ±0.02	20	0.001	80	2	0		2.5	88	83	3395.00		
	Conductor Phono Amp	T	MM/MC	No		10-80 ±0.02		0.02					2.5	88	83	1395.00		
ATC	SCA2(RO)	S	L	I/O		0-500 ±0.1	†	0.002	†	2	0					5425.00	Optional remote, \$450.00; optional phono stage, \$650.00. †Balanced, 15 V and 275 mV; unbalanced, 7.5 V and 150 mV.	
ATMA-SPHERE MUSIC SYSTEMS	MP-1	T	MM/MC/L	I/O		1-400 +0,-0.5	30†	0.01	100	2	0		0.2	90	75	7695.00	†Into 600 ohms. Zero feedback; fully differential circuitry. As above.	
	MP-3	T	MM/MC/L	I/O		1-400 +0,-0.5	20†	0.05	100	2	0		0.3	90	70	3395.00		
AUDIBLE ILLUSIONS	Modulus 3A	T	MM/L			5-100 ±1	80	0.1	50	1			1.0	80		2195.00	External power supply; stepped attenuators; optional MC input. External power supply; variable MC loading. Internal headphone amp; external power supply; stepped attenuators, optional digital inputs.	
	Modulus 4P	H	MC			5-200 ±1	40	0.01						85		1995.00		
	Modulus L1	H	L			5-150 ±1	80	0.1	50							1750.00		
AUDIENCE	Pre(RI)	S/P	MM/MC/L	I/O		1-100 +0,-0.1	20	0.005		2	0		0.5	85	80	7000.00	Line driver/buffer; with fully balanced circuitry, \$2499.00.	
	CableDriver	S	L	I/O		1-100 +0,-0.1	20	0.005		0	0					1499.00		
AUDIOACCESS	PX-600	S	L			10-84 +0,-1	1	0.02	150	1	0	No				2650.00	Six-zone preamp/controller; optional wall-mounted keypads; optional PX-603 controller for additional zones, \$2650.00.	
AUDIO ADVANCEMENTS	PreMax	T	L			2-100 +0,-3	15	0.01	Var.	1	0					3250.00	With plug-in MM phono stage, \$4250.00; with plug-in MC phono stage, \$5250.00.	
AUDIO ANALOGUE	Bellini	S	MM/MC/L			20-20 ±0.1		0.01	300	2	0		3	80	70	895.00	Direct-coupled.	
AUDIO BY VAN ALSTINE	Ωmega III SL	S	MM/L			12-40 ±0.2	12	0.004	50	2	0		0.7	78		489.00	Without phono circuits, \$399.00. As above, \$499.00. Kit, \$449.00. As above, \$549.00. Without phono circuits, \$849.00. As above, \$999.00.	
	Ωmega III EC	S	MM/L			12-40 ±0.2	12	0.004	50	3	2		0.7	78		589.00		
	SP 3i SL	T	MM/L			10-40 ±0.2	10	0.004	50	2	0		0.6	74		599.00		
	SP 4i SL	H	MM/L			10-40 ±0.2	11	0.004	50	2	0		0.6	74		699.00		
	FV SL	H	MM/L			10-40 ±0.1	15	0.001	50	2	0		0.7	82		1048.00		
	FV EC	H	MM/L			10-40 ±0.1	15	0.001	50	3	2		0.7	82		1198.00		
AUDIO DESIGN ASSOCIATES	CR-8P(RO)		L	None		20-20 ±0.25		0.05		4	2					1547.00	For multi-room System Omega. Multi-room preamp. 8 x 8 multi-room, multi-source switcher. 8-in, 3-out A/V matrix switching; 12-character display labelling.	
	DSP-8(RO)		L	None		20-20 ±0.25	5	0.007			3					1679.00		
	CPC-8(RO)		L	None		20-20 ±0.25	5	0.007								16,800.00		
	Delta-3	S	L	No	None	15-100 +3,-6	6	0.03			9					2309.00		
AUDIO ELECTRONIC SUPPLY	AE-1	T	L			15-300 ±0.5	20		50	0	0		2			849.00	Kit, \$599.00.	
	AE-2	S	MM/L			9-150	20			0	0					599.00		
AUDIOLAB	8000C MK II 8000PPA 8000Q(RI)	S S S	MM/MC/L MM/MC L			20-20 ±0.5 10-20 ±0.2 10-20 ±0.2	7.8 10 7.7	0.01 0.007	100 Adj.	2 3	2 0		2	81 77		795.00 1295.00 1399.00		
AUDIO MATIÈRE	Paraphrase	T	L			5-200 ±0.5	5			1	0					5950.00		
AUDIO NOTE	M1 Phono	T	MM/L							1	0					1295.00	Transformer-coupled output. As above. "Silver" version, \$12,600. No capacitors in signal path. †Step-up transformer. Selectable impedance. As above.	
	M2 Phono	T	MM/L							1	0					2695.00		
	M3 Phono	T	MM/L							1	0					7995.00		
	M1 Line	T	L							1						995.00		
	M2 Line	T	L							1						995.00		
	M3 Line	T	L							1						5995.00		
	M7 Line	T	L							1						9900.00		
	M7 Tube-S	T	MM/L							1	0					25,400.00		
	M7 Phono	T	MM							1	0					26,300.00		
	M1 RIAA	T	MM							0	0					1099.00		
	M10	T	MM/L		I/O											125,000.00		
	AN-S1	†	MC													450.00		
	AN-S2	†	MC													750.00		
	AN-S3	†	MC													3395.00		
	AN-S6	†	MC													5295.00		
	AN-S7c	†	MC													10,100.00		



# FAMILY PORTRAIT

Like all families, the Sonic Frontiers collection has a common connection of unsurpassed value. While our products were known for their exceptional parts quality, build quality, and pricing, Sonic Frontiers has evolved to something far greater.

In digital, our offerings include the award-winning **SFCD 1** CD player, our new reference **PROCESSOR 3** digital processor and our stunning **TRANSPORT 3** CD turntable (the latter two are designed to be future proof in the event of a new digital audio standard being agreed upon and implemented). These two new products will debut the new **AS-Enhanced** digital interface which solves jitter as an issue between digital separates.

The new line-up of Sonic Frontiers preamplifiers set new standards in engineering sophistication which not only improves each unit's sonic and technical performance but also provides today's increasingly demanding audiophile the flexibility they need for 2 channel, home theater and headphone environments, with ready access to features previously unavailable on high-end equipment. Whether it be the **LINE 1**, **LINE 2**, or reference **LINE 3**, the SF preamps are the new paradigms by which all others will be judged.

Often dismissed as being highly colored due to their rolled-off frequency extremes, and uncontrolled bass performance, few if any tube power amps have been able to achieve the requisite technical performance to overcome these flaws. Well, at Sonic Frontiers, we took up this challenge and advanced the state-of-the-art. The **POWER** Series of amplifiers has finally shown that tube amplifiers can have controlled and extended bass performance with detailed and extended high frequencies. The **POWER 1** 55 watt, **POWER 2** 110 watt and **POWER 3** 220 watt mono amplifiers have essentially the same sonic signature — all you need to choose is the appropriate power and price.



**PROCESSOR 3 DIGITAL PROCESSOR**



**LINE 1 PREAMPLIFIER**



**POWER 2 AMPLIFIER**

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## Natural Selection

The Best within Boundaries - that was the goal when Sonic Frontiers conceived the idea of developing a line of affordable high-end tube electronics as a step up from mid-f solid-state.

The challenge was simple - design a "full" line of tube electronic products which maintain the sonic signature and performance sought from tubes by making intelligent design choices which maximize sonic bang for the buck - quality, without the carefree excess of a cost-no-object attitude.

And so, ANTHEM was born. Comprising source, preamp and power amp products, the E piece ANTHEM line re-defines the term VALUE in audio. Whether its the unit's parts quality, construction craftsmanship, technical sophistication, warranty, price or unparalleled sonics, the ANTHEM stable of products is without equal.

You need not sacrifice when owning an ANTHEM product - it embodies the finest principles of the high-end, without requiring you to mortgage the family home!

Whatever your high-end electronics needs are, ANTHEM is the natural selection.

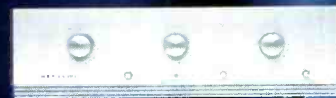
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**CD 1 CD Changer**



**Pre 1P Phono Stage**



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**Pre 1L Linstage Preamp**



**Amp 1 Power Amplifier**

SELECTION

**ANTHEM**  
THE KEY TO HIGH-END AUDIO

CIRCLE NO. 88 ON READER SERVICE CARD

DESIGNED AND MANUFACTURED BY SONIC FRONTIERS INCORPORATED

# PREAMPLIFIERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	Circuitry: Solid State=S, Tube=T, Hybrid=H, Passive=P	Stages: MM Phono=MM, MC Phono=MC, Line or High Level=L	Balanced Analog Inputs=I, Balanced Analog Outputs=O	Digital Inputs Included Number and Type—See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing—See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS 0—Other
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.			
AUDIOPRISM	Mantissa	T	L			3.5-300 ±0.3	17	0.15	100	1	0				1995.00	Includes external power supply, stepped attenuator, zero feedback, upgrade to model below, \$2200.00. Optional Vishay stepped attenuator, \$2000.00. Includes external power supply.		
	Mantissa Silver Signature	T	L			3.5-300 ±0.3	17	0.10	100	1	0				3995.00			
	Mantissa PH1	T	MM/MC			10-20 ±0.2	5	0.10				7	85	70	3750.00			
AUDIO RESEARCH	REF 1(RI)	T	L	I/O		1-200 ±0.5	30	0.015		1	0				8495.00			
	LSS MKIII(RO)	T	L	I/O		1-100 ±0.5	50	0.01		1	0				5495.00			
	LS22(RO)	T	L	I/O		1.5-100 ±0.5	35	0.01		1	0				3995.00			
	LS15(RI)	T	L	I/O		1-100 ±0.3	20	0.01		2	0				2995.00			
	LS10(RI)	S	L	I/O		0.02-200 ±0.3	18	0.01		1	0				5495.00			
	LS9(RI)	S	L	I/O		0.2-30 ±0.5	24	0.005		1	0				1995.00			
	LS7	T	L	I/O		1-100 ±0.5	25	0.01		1	0				1495.00			
	PH3	H	MM/MC			0.5-400 ±3	30	0.005				1.0	94	74	1495.00			
AUDIOSOURCE	PreOne	S	MM/MC/L			10-100 ±5	4.3	0.008	120	2	3				279.95	Tuner/preamp (see also "Tuners"); video switching.		
	PreAmp/Tuner Two(RI)	S	MM/L			10-100 ±5	4.3	0.008	120	1	2				499.95			
AUDIO SYNTHESIS	Passion V	S/P	L	I/O		1-200		.0002		1	0				2395.00	31-step attenuators.		
	Passion Pro Passion	S/P	L	I/O		1-200		.0002		1	0				1495.00			
AUDIRE	Andante	S	MM/MC/L			5-100 ±0.2	12	0.005	100	2	4				1903.00	Inverts polarity only in MC stage.		
	Diffet 3	S	MM/L			5-100 ±0.25	15	0.005	100	2	0				1000.00			
	Diffet 5	S	L	I/O		1-750	24	0.005	100	0	0				2500.00			
	Legato Nuance	S	MM/L	I/O		5-100 ±0.25	10	0.01	100	2	0				587.00			
AYRE ACOUSTICS	K-1(RO)	S	L	I/O											5250.00	Optional remote, \$250.00; optional phono stage, \$1600.00. Remote as above; optional phono stage, \$1000.00. Remote as above.		
	K-3(RO)	S	L	I/O											3250.00			
	K-5(RO)	P	L	I/O											1750.00			
	P-1	S	MM/MC	I/O											3500.00			
BALANCED AUDIO TECHNOLOGY	VK-3i(RO)	T	L	I/O		2-300 ±0.3	50	0.02		0	0				1995.00	No buffers or followers; zero feedback. As above. Plug-in module for VK-3i. Fully balanced circuitry; zero feedback. As above; switchable step-up transformers.		
	VK-5i(RO)	T	L	I/O		2-300 ±0.3	40	0.01		0	0				4000.00			
	VK-P3	S	MM/MC	O			10					3	85	80	500.00			
	VK-P5	T	MM/MC	O			40					1.5	73	71	1995.00			
BEL CANTO DESIGN	Tosca	S	L	I/O		1-100 ±0.05	15	0.01	150	1	0				1590.00			
	Fidelo	S	MM/MC	I/O		1-100 ±0.05	15	0.01				5	85	75	1290.00			
BENZ-MICRO	PP-1	S	MC											82	1350.00	Includes external power transformer; 10-Hz rumble filter.		
B & K COMPONENTS	PRO 10MC AVP1000(RI)	S/P	MM/MC/L	O	None	1-150 ±0.05	14	0.02	45	1	0	No DP	0.8	82	70	998.00	External power supply; DC-coupled. Tuner/preamp/surround (see also "Tuners" and "Surround Processors"); optional digital inputs; upgradable for Dolby Digital (AC-3) and DTS. Tuner/preamp/surround (see also "Tuners" and "Surround Processors"); upgradable for DTS. Two-zone preamp/surround (see also "Surround Processors"); optional digital inputs; upgradable for Dolby Digital and DTS. Two-zone preamp/surround (see also "Surround Processors"); upgradable for DTS. Two-zone preamp/surround (see also "Surround Processors"); upgradable for DTS. Two-zone preamp/surround (see also "Surround Processors"). Tuner/preamp/surround (see also "Tuners" and "Surround Processors").	
	AVP1030(RI)	S	L	No	6C	5-100 ±0.05	9	0.02	62	1	0	DP/3				1998.00		
	AVP2000(RI)	S	L	No	None	5-100 ±0.05	9	0.02	62	2	0	DP				998.00		
	AVP2030(RI)	S	L	No	6C	5-100 ±0.05	9	0.02	62	2	0	DP/3				1998.00		
	AVP3090(RI)	S	L	No	6C	5-100 ±0.05	9	0.02	62	2	0	DP/3/DTS				2498.00		
	AVP4090(RI)	S	L	No	6C	5-100 ±0.05	9	0.02	62	1	0	DP/3/DTS				2498.00		
BLUE CIRCLE AUDIO	BC3	T	L			10-25 ±0.02	25			1	0				3300.00	External power supply.		
BOULDER AMPLIFIERS	L3AE	S	L	O		20-20 ±0.005	24	0.003	60	1	0				2225.00	For model above. For L3PP: sensitivity, 0.25 mV. Black finish; with metal finish, L5M, \$4595.00. Includes external power supply. Four chassis (left and right audio, digital controller, and power supply).		
	L3PP	S	MM	I/O		20-20 ±0.005	24	.0015	60	2	0				950.00			
	L3MC	S	MC	I/O		20-20 ±0.005	24	.0015	60	2	0				600.00			
PRO Phono	2010(RI)	S	MM/MC	O		20-20 ±0.005	24	.0015							4495.00			
		S	L	I/O											33,000.00			
BRYSTON	4B	S	L	O		20-20 ±0.05	15	0.005	500	1	0				850.00	Optional balanced out, \$115.00. †Balanced, 30 V; unbalanced, 15 V. Remote control of volume, muting, and polarity; line level and MM phono, BP-25P, \$2395.00; line level only, BP-25, \$1995.00.		
	BP-5	S	MM/L	O		20-20 ±0.05	†	0.005	500	1	0				1065.00			
	BP-20	S	L	I/O		20-20 ±0.05	†	.0025	500	1	0				1495.00			
	BP-25MC(RI)	S	MM/MC/L	I/O		20-20 ±0.05	†	.0025	500	1	0				2995.00			



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(Now's a good time to talk about the benefits of Castrol Syntec Power System.)

Introducing a new kind of fuel system treatment that can improve your acceleration.



We've all experienced it before. That moment of truth when you realize you need all the acceleration you've got. Well rather than just stepping on the accelerator and praying, now there's a better option. Introducing Castrol Syntec Power System—an entirely new kind of fuel system treatment. Power System's unique synthetic cleansers reduce carbon deposits and can improve acceleration in today's advanced cars. Just one dose in your fuel tank begins restoring power almost immediately. So try new

Castrol Syntec Power System. After all, you might not think you need the added power and acceleration.

But do you really want to wait to find out?



**POWER WHEN YOU NEED IT.**

Applies only to vehicles with knock sensors. Castrol Inc., 1997

# PREAMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Circuitry: Solid State - S, Tube - T, Hybrid - H, Passive - P	Stages: MM Phono - MM, MC Phono - MC, Line or High Level - L	Balanced Analog Inputs = I, Balanced Analog Outputs = O	Digital Inputs Included, Number and Type - See Code	Frequency Response, Hz to KHz, ±dB	Maximum Output, V rms		THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing - See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP-Dolby Pro Logic 3-Dolby Digital (AC-3) THX-Home THX Processing DTS-DTS O-Other
							MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.						MC Phono S/N, dB, A-Wtd.					
CAIRN	Makalu(RO) Miaje(RO)	S S	MM/MC/L MM/L			20-150 +0,-0.5 20-150 +0,-0.5	20 20	0.01 0.01	120 120	1 1	0 0		1.5 1.5	70 70		750.00 1600.00			
CARVER	CT-24(RI) CT-26V(RI) LightStar Direct(RI)	S S P	MM/L L L		None None I/O	20-20 ±0.5 10-20 ±0.02 0-100	10 7 0.001	0.01 0.01		2 2 1	2 2 0		1.0	78		499.00 649.00 2195.00	Tuner/preamp (see also "Tuners"); Sonic Holography. Tuner/preamp/surround (see also "Tuners" and "Surround Processors"); surround-channel soundstage expansion.		
CARY AUDIO DESIGN	PH-301MM PH-301 SLP-50(RO) SLP-74P(RO) SLP-94P(RO) SLP-98P(RO)	T T T T T T	MM MM/MC L MM/L MM/L MM/L			RIAA RIAA 9-300 9-260 9-300 9-300	20 24 20	0.01 0.01	100 100	0 1 1			1.5 1.5 1.5 1.5	81 78 90 81		1195.00 1795.00 995.00 1495.00 2495.00 2995.00	Optional remote volume control, \$499.00. As above. As above; optional gold-plated faceplate and knobs, \$599.00; without phono stage, SLP-94L, \$2095.00. Optional remote, faceplate, and knobs as above; without phono stage, SLP-98L, \$2595.00.		
CELLO LTD.	Audio Suite Encore Line Palette Etude	S S S P	† L L L	† I/O O No		20-20 ±0.25 20-20 ±0.25 20-20 ±0.25	12 12 9	0.005 0.01 0.005		† 2 2	0 0 6 0			70		† 10,000 8500.00 2500.00	†Modular design; choice of line, MM, and MC modules; price depends on choices (average price, \$15,000). Preamp/EQ (see also "Equalizers").		
CHORD	CPA 1800 CPA 2200(RI) CPA 2800(RI) CPA 3200(RI) CPA 4000(RI)	S S S S S	MM/MC/L MM/MC/L I/O I/O I/O I/O	I/O I/O I/O I/O I/O		2.5-200 +0,-3 2.5-200 +0,-3 2.5-200 +0,-3 2.5-200 +0,-3 2.5-200 +0,-3	† † † † †	† † † † †	2 2 2 2 2							2900.00 3900.00 5250.00 5750.00 10,000	†Balanced, 15.6 V; unbalanced, 7.8 V. †As above. †Balanced, 12 V; unbalanced, 6 V. †As above. †As above.		
CINEPRO PROFESSIONAL	dtc-1(RI) msc-1(RI)	S S	L L	O O	4C/4T/2B 6C/6B	5-100 +0,-0.5 20-20 ±0.05	8 6.5	0.005 0.005	150 150	0 2	0 0					3495.00 20,000	Digital preamp/surround (see also "Surround Processors"); rotary controls operate in digital domain. Two chassis (digital controls and display in one, D/A converter and analog stages in the other); 61-step attenuator.		
CLASSÉ AUDIO	CP-35(RI) CP-45(RI) CP-50(RI) CP-60(RI)	S S S S	L L L L	I/O I/O I/O I/O		20-20 20-20 20-20 20-20	24 28 42 42	0.05 0.007 0.007 0.007	120 120 120 120	1 1 2 2	0 0 0 0					1095.00 1795.00 2695.00 3695.00	Optional MM/MC phono board, \$200.00. As above but \$500.00. As above.		
CODA TECHNOLOGIES	04R(RI) 02B 03P 01P	S S S S	L L MM/MC L	I/O † † O		0-200 +0,-3 0-200 +0,-3 0-200 +0,-3	10 10 10	0.01 0.01 0.01	200 200	1 1 2	0 0 0		10 10	87 82 80		2500.00 1950.00 1950.00 2950.00	†Balanced MC in, balanced MM and MC out.		
COFFIN ELECTRIC	1P(RI) 2P(RI)	S S	L L		None	0-100 +0,-0.1 0-1M +0,-0.1	10 12	0.01 0.01	500 500	4 1	0 0					3500.00 2200.00	Six-channel A/V preamp. Stepped attenuator; direct-coupled.		
CONRAD-JOHNSON	ART(RI) PFR(RI) EFI Premier Fourteen(RI) Premier Fifteen PF2 PV10A PV12	T S S T T T S T T	L L MM/MC L L MM/MC MM/MC/L MM/L MM/MC/L			2-75 +0,-1 2-75 +0,-1	15 10 10 10 20 20	0.25 0.01 0.01		2 2 2	0 0 0		1.3 1.1			14,995 2595.00 1895.00 4395.00 3995.00 1795.00 1295.00 2495.00	Without phono, PF2L, \$1395.00. Without phono, PV10AL, \$995.00. Without phono, PV12L, \$1895.00.		
CONTINUUM ELECTRONICS	Window(RI)	S	L	I/O		5-200 +0,-3	10	0.01	500	2	0					1595.00			
CONVERGENT AUDIO TECHNOLOGY	SL1 SL1L	T T	MM/MC/L L			0 1-600 0 1-600	50 50	.0005 .0005	25 †	1 1	0 0		0.1	96 76			External power supply; stepped attenuator. External power supply; stepped attenuator with optional, low-gain taper. †25 or 40 mV; set by dealer.		
COPLAND	CTA-301 MkII	T	MM/L			5-120 ±1	20	0.01	190	1	0		2.0	76		2400.00			
CREEK	P52R(RI) OBH-12(RI) OBH-10(RI) OBH-8 OBH-9	S P P S S	L L L MM MC	O		3-35 20-20 ±0.25 20-20 ±0.25		0.01 0.01 0.01		1 1						895.00 325.00 225.00 199.00 249.00	Optional phono boards (\$60.00 or \$95.00 for MM, \$95.00 for MC). With upgraded power supply and components, OBH-8SE, \$325.00. 0.5-mV sensitivity; upgraded power supply, OBH-2PS, \$100.00.		
CROWN	PSL-2	S	MM/L	No		20-20 ±0.1	10	.0009		2	2	No		87†		995.00	†Re: 10 mV.		
DANIELS AUDIO	Bluebird ZPS Nightingale	S S	L MM/MC			0-20 +0.002,-0 20-20 ±0.01	10 10	0.01 0.01	100	1	0	No	2.3		87	2150.00 2150.00			



Close your eyes. Can you hear the sunset?



**IA-1z** Audio/Video Integrated Amplifier with built-in Dolby Digital decoder and 5.1-channel design



**AV-1s** Audio/Video Receiver with Dolby Pro Logic decoder and DVD-ready 5.1-channel inputs



**AV-2s** Audio/Video Receiver with Dolby Pro Logic decoder



**AV-3s** Audio/Video Receiver with Dolby Pro Logic decoder



**CA-1** Audio/Video Control Amplifier with built-in Dolby Digital decoder and 5.1-channel design

**PA-1** Five Channel Power Amplifier



**DE-1** Dolby AC-3 RF Demodulator for CA-1 and IA-1z (required only with certain laserdisc players)

Without the sound, there is no theater. And if the equipment can't cut it in stereo, then there's no reason to expect anything resembling realism in surround sound.

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It's the difference between involving and indifferent home theater. And you can hear it whether you're just getting started with Dolby Pro Logic surround or upgrading to 5.1-channel Dolby Digital.

A demonstration at your Nakamichi dealer will provide further illumination... especially if you compare with your eyes closed.

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# PREAMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Circuitry: Solid State = S, Tube = T, Hybrid = H, Passive = P	Stages: MM Phono = MM, MC Phono = MC, Line or High Level = L	Balanced Analog Inputs = I, Balanced Analog Outputs = O	Digital Inputs Included, Number and Type — See Code	Frequency Response, Hz to KHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS O—Other	
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.				
DB SYSTEMS	DB-1B/2A	S	MM/L			20-20 ±0.04	9	.0008	120	1	0		0.9	77		850.00	Includes external power supply. As above; without oak cabinet, \$1280.00. Includes external power supply. Requires DB-2A power supply. Wall-mount transformer. As above; MC phono sensitivity, 1.2 mV.		
	DBR-15B/2A	S	MM/L			20-20 ±0.04	9	.0008	120	1	6		0.9	77		1454.00			
	DB-1B-HL/2A	S	L	MC			10-50 ±0.1	9	.0008	120	1	0							710.00
	DB-4B	S	MM	MC			10-100 ±0.1	2	.0008										235.00
	DB-8	S	MM	MC			20-20 ±0.04	4	.0002										150.00
	DB-8HG	S	MM	MC		20-20 ±0.04	3	.0005									175.00		
dCS	Elgar(RI)	S	†	0	2C/1T/1A/ 2B	1-20 ±0.15	6			0	0						12,000	Digital preamp/DAC (see also "D/A Converters"). †Digital inputs only.	
DENNESEN	JC80MKII	S	MM/MC/L	0		5-20 ±0.01	18	0.005	100	2	0		2	100		6500.00	Mono; external power supply.		
	JS90	S	L	0			18	0.005	100	2	0					3200.00	External power supply.		
DENON	PRA-S10	S	MM/MC/L	I/O		20-20 ±0.3	8	0.005	150	2	0		2.5	91		17,000	Tuner with RDS/preamp/surround (see also "Tuners" and "Surround Processors").		
	PRA-S10	S	MM/L	I/O	5	10-100 +0.3	8	0.005	150	2	2	DP/3/THX				1300.00			
	AVP-8000(RI)	S	L																3500.00
DPA DIGITAL	DSP 200S	S	L			10-28 ±1	2	0.005	250	1	0					895.00			
	DSP 200SD	S	MM/MC										2			995.00			
DYNACO	MVP-100	H	L	No		20-20 ±2	5	0.08	700	1	0		1.5			445.00	Separate power supply.		
	PAS-4	T	MM/L	No		2-150 +0.3	40	0.025	250							999.00			
	PAT-6 Series II (RI)	S	L			8-170 +0.3	5	0.02	50							500.00			
DYNAUDIO	Arbiter(RI)	S	MM/MC/L	I/O		5-100 ±0.1	17	.0003	500	4							96,000	External battery power supply; digitally controlled attenuators.	
EAD	TheaterMaster Encore(RI)	S	L		4C/1T/1A	10-22 ±0.4	4	.0005	1V	1	0	DP/3/DTS/ O				2495.00	Preamp/DAC/surround (see also "D/A Converters" and "Surround Processors"). As above.		
	TheaterMaster Ovation(RI)	S	L	0	4C/1T/1A	10-22 ±0.4	8	.0005	1V	1	0	DP/3/DTS/ O				3995.00			
	TheaterMaster Signature(RI)	S	L	0	4C/1T/1A	10-24 ±0.4	8	.0005	1V	2	0	DP/3/DTS/ O				5995.00			
E.A.R.	834P	T	MM/MC			10-50 +0.1	30	0.3					1.2	70	70		† Chrome finish, \$1195.00; black finish, \$895.00. † Chrome, \$1495.00; black, \$995.00.		
	834L	T	L			10-100 +0.1	20	0.3	180	1	0	No							
EDGE ELECTRONICS	Si-1	S	L			1-100 ±0.1	16	0.005		1	0						2150.00	Optional battery power supply, \$1850.00.	
	T-3	T	L			2-80 ±0.1	20	0.01		1	0						2150.00		
EIDOLON RESEARCH	Salesia Julia	T	MM/L MM/MC/L			0.5-150 +0.1-1.5 0.5-200 +0.1-1.5	70 85	0.01 0.01	Sel. Sel.	2 2	0 0		1.45 1.45	78 79	68	1299.00 4399.00	Passive and active RIAA.		
ELECTRO-COMPANIE	EC4.6(RI)	S	L	I/O		20-150	10	0.001	500	1							3295.00	Fully balanced differential circuitry; floating grounds. As above. As above.	
	EC4R	S	L	I/O		20-150	10	0.001	500	2							1495.00		
	EC4½(RI)	S	L	I/O		20-150	10	0.001	500								1995.00		
ELECTRONIC VISIONARY SYSTEMS	UA24	P	L	Opt.		0-1M				0	0					305.00 Pair	24-position stepped attenuators; mount on amp; with balanced in and out. UA24B, \$450.00 per pair; without chassis, UA24N, \$190.00 per pair.		
ELITE	C-72(RI)	S	MM/MC/L		None	1-150 +0.3		0.002	150	2			2.0	74	76	850.00	Video switching.		
ENCORE ELECTRONICS	DL2010.2b	H	MM/MC/L			0.1-200 +0.3	22	0.025	125	2	0		4.0	65	65	3495.00	Stepped volume control; without phono stage, \$2950.00.		
ENSEMBLE	Dichrono DAC/PRE (EC)	S	L	0	4C/1B	20-20 ±0.06	8.7	0.001	138	0	0						11,500	Class-A preamp/DAC with HDCD (see also "D/A Converters").	
ESSENCE	Emerald	T	L	Opt.		3-100	24	0.01	50	2	0						8850.00		
EXPOSURE	19	S	L				15			1	0						1450.00		
	17	S	MM or MC/ L				15			1	0						1650.00		
	21(RI) 13 Phono	S S	L MM or MC				15 15			1 1	0 0						1995.00 1350.00		
EXPRESSIVE TECHNOLOGIES	Line Stage 1 Preamp 1 SU-1	T	L	I/O		20-20 ±0.1 20-20 ±0.1 0.7-150 +0.1	10 10 25			2 2 2	0 0 0		0.5		100	7500.00 8500.00 3500.00	Zero feedback. As above; passive RIAA equalization. Transformer; 28-dB fixed gain.		
Fi	Preamp	T	MM/L			10-65	25		100		No		2	80		4500.00	External power supply; optional tape loops.		
FIRST SOUND	I	P	L							1	0						1200.00	Stepped attenuators. As above. As above.	
	II	P	L							1	0						2200.00		
	Signature	P	L							1	0						4950.00		
FORTÉ AUDIO	F44(RI)	S	L	I/O		20-20 +0.1 20-20 +0.1	12 12	0.05 0.1	131		0		5.0	70	65	1350.00 650.00			
	FP1	S	MM/MC																
GOLDEN TUBE AUDIO	SEP-1 SE	T	L	0		20-22 +0.0-5	7	0.01	150	1	0						980.00	Transformer-coupled output. As above. Battery-powered phono stage for models above. Selectable gain; rechargeable battery power supply.	
	SEP-1 PB-1	T	L MM/MC	0		20-22 +0.0-5	7	0.01	150	1	0		1	75	70	880.00 100.00			
	LP-1	S	MM/MC										1	75	70	395.00			
GOLDMUND (Continued)	Mimesis 22	S	L	0		0-1M	30		150	2	0						25,000	Optional A/D converter with fixed-level output.	



# PREAMPLIFIERS

MANUFACTURER	Model (R)=Remote Included, (RO)=Remote Optional	Circuitry: Solid State=S, Tube=T, Hybrid=H, Passive=P	Stages: MM Phono=MM, MC Phono=MC Line or High Level=L	Balanced Analog Inputs=I, Balanced Analog Outputs=O	Digital Inputs Included, Number and Type — See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS 0—Other
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wid.	MC Phono S/N, dB, A-Wid.			
GOLDMUND (Continued)	Mimesis 2+	S	L			0-1M	30	150	2	0						11,900		
	Mimesis 7.5	S	L			0-600	30	150	1	0						5390.00		
	Mimesis SRP	S	L			0-500	10	150	1	0						1800.00		
	Mimesis PH2	S	MM/MC			0-200	10									6990.00		
	Mimesis PH7	S	MM/MC			0-200	10									2990.00		
HARMAN KARDON	PT2500	S	MM/L	No	None	5-110 +0,-3		0.02	180	3	DP/0	1.3	70		529.00	Tuner/preamp/surround (see also "Surround Processors").		
	Signature 2.0	S	L	No	4C/2T	10-50 +0,-1	4	0.03	6	DP/3/0					2499.00	As above.		
HARMONIC PRECISION	HP-1	S	MM/MC/L			4-100 +0,-3	10	0.01	135	1	0	1.5	90	90	895.00			
HOUSTON	TC-2	T	L			10-200 ±1	10	0.02	250						1160.00			
JADIS	DPL2	T	L												3120.00			
	DPL	T	L												4990.00			
	JPL MkII	T	L												6840.00			
	JPS2	T	L												13,995			
	JP200 Bal.	T	L	I/O											29,745	External power supply. Four chassis (two modules, two power supplies).		
	JP80MC MkII	T	MM/MC/L												18,690	External power supply. Four chassis (two modules, two power supplies).		
JP200MC MkII	T	MM/MC/L												28,300				
DPMC	T	MC												4990.00				
JARRETT- WALTERS RESEARCH	1.0	T	MM/MC/L	No		20-20 ±0.5	10	0.1	126	2	0	2.0			3695.00			
Joule ELECTRA	LA-100(RO)	T	L			5-100 +0,-1	5	0.1	300	1	0				2995.00	Mu-follower design; optional remote, \$750.00.		
	LAP-100(RO)	T	MM/MC/L			5-100 +0,-1	5	0.1	300	1	0	2	70	60	4695.00	As above; external power supply.		
	LA-150(RO)	T	MM/MC/L	I/O		5-100 +0,-1	5	0.1	300	1	0				4695.00	As above; fully balanced circuitry; optional phono stage, \$1795.00.		
JRM	Preamp	S	MM/MC/L		None	0-100 +0,-1	12	0.001	Sel.	2	Opt.	1.25	88	78	1710.00	Includes 10-watt/channel headphone amp; video inputs; infrasonic filter.		
	PEM	S	MM/L		None	0-100 +0,-1	12	0.001	Sel.	2	†	1.25	88		3240.00	† Two three-band pre-EQs, eight-band master EQ. Two MM inputs, cross-fade input select; master and cue buses.		
	DA-20P	S	L		4C/4B	0-100 +0,-0.1	12	0.001	Sel.	3					2610.00	Preamp/DAC (see also "D/A Converters"); connections for Remote Unit equalizer; optional RIAA phono stage, \$75.00.		
KAB ELECTRO- ACOUSTICS	Souvenir-STD	S	MM	No		30-15	3.5	0.07		8		8	79		329.00	Mono with stereo bypass; includes processing for 78-rpm records (see also "Signal Processors").		
	Souvenir-INL	S	MM	No		30-15	3.5	0.07		8		8	79		429.00	As above; impulse noise limiting.		
	Souvenir-EQS	S	MM	0		20-20	3.5	0.07		4		8	70		500.00	Preamp/EQ (see also "Equalizers"); three LP EQ curves, one 78-rpm EQ curve; adjustable input capacitance; mono blend control.		
KCE TECHNOLOGY	P3010	S	L			2-100 +0,-0.5	15	0.005	250	1	2				375.00			
KENWOOD	KC-Z1(RI)	S	MM/L		4C/4T	6-100 +0,-3		0.003	200	1	2	DP/3/THX	2.5	87	2800.00	Tuner/preamp/surround (see also "Tuners" and "Surround Processors").		
KLIMO	Argo	T	MC			10-450 +0,-3	10	0.2						75	2200.00	External power supply; adjustable MC input impedance.		
	Merlin(RO)	T	MM/L			3-450 +0,-3	25	0.07		1	0		1.0	76	5250.00	Optional remote, \$750.00; without phono stage, Merlin LS, \$3900.00.		
	Viv	T	MM/MC			3-450 +0,-3		0.18					1.0	76	75	6600.00	External power supply; variable input impedance.	
KLYNE AUDIO ARTS	System Six 6LE3.5	S	L			1-200 +0,-0.2	10	0.005	100	2	0				2150.00	See models below. With internal MM/MC stage, 6LE3.5/P, \$2750.00.		
	6PE3.5	S	MM/MC			1-200 +0,-0.2	10	0.01				7.1	85	70	2150.00	External power supply; with internal MM/MC stage, 6LX3.5/P, \$3950.00.		
	6LX3.5	S	L			1-200 +0,-0.2	10	0.005	100	2	0				2950.00	External power supply.		
	6PX3.5	S	MM/MC			1-200 +0,-0.2	10	0.01				7.1	85	70	2950.00	See models below.		
	System Seven 7LX3.5	S	L	I/O		1-200 +0,-0.2	10	0.005	100	1	0				3750.00	External power supply; with balanced in and out, 7LX3.5/B, \$4450.00.		
7PX3.5	S	MM/MC			1-200 +0,-0.2	10	0.01				7.1	85	72	3950.00	External power supply; with balanced output, 7PX3.5/B, \$4450.00.			
KORA ELECTRONIC CONCEPT	Eclipse(RI)	T	MM/MC/L	0		7-70 ±0.1	20	0.01	100	2	0	No	2	76	63			
	Triode	T	MM/L			10-70	10	0.01	300	1	0	No	2	76				
KRELL	KRC-HR(RI)	S	L	I/O		0.2-400 +0,-3		0.002		1					6900.00			
	KRC-3(RI)	S	L	I/O		0.3-300 +0,-3		0.005		1					3200.00			
	KAV-250p(RI)	S	L	I/O		0.5-132 +0,-3		0.007		1					2000.00			
	Reference Phono	S	MC												2200.00	Includes external power supply.		
	Standard Phono Audio+Video Standard(RI)	S	MM/MC							1		DP/3/DTS			1600.00	As above.		
Standard(RI)	S	L	I/O		2C/2T/1B									12,000	Preamp/surround (see also "Surround Processors").			
KR ENTERPRISE	1	T	L															

# PREAMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Circuitry: Solid State=S, Tube=T, Hybrid=H, Passive=P	Stages: MM Phono=MM, MC Phono=MC, Line or High Level=L	Balanced Analog Inputs=I, Balanced Analog Outputs=O	Digital Inputs Included Number and Type — See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tone & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS 0—Other
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.			
LAMM AUDIO LABORATORY	L1(RI)	H	L	O		3-100 +0-.0.3	70	0.05	135	2	0					6290.00	Remote on/off switch for Lamm power amps.	
LEGACY AUDIO	High Current (RI)	S	L	I/O		1-100 ±0.1	12	0.001	175	2	0					1495.00	Optical volume and balance controls.	
LEGEND AUDIO DESIGN	LAD-L2 LAD-L1 Legend Passive	T T P	L L L													4495.00 2995.00 1295.00		
MARK LEVINSON	No. 25 No. 25S No. 380(RI)	S S S	MM or MC MM or MC L	No No I/O		20-20 +0-.0.01	16	0.01		2	0			Sel. Sel.	2495.00 2995.00 3995.00	Requires PLS-226 power supply. As above. Communicates with Mark Levinson 30 Series components. As above.		
	No. 380S(RI)	S	L	I/O		20-20 +0-.0.01	16	0.01		2	0				6495.00			
LEXICON	DC-1(RI)	S	L		2C/2T	10-20 ±0.5	6	0.01	200	2		DP/O			1995.00	Preamp/DAC/surround (see also "D/A Converters" and "Surround Processors"). With Home THX processing in addition, DC-1/THX, \$2995.00; with Dolby Digital decoding in addition to circuits in DC-1/THX, DC-1/Dolby Digital, \$4500.00.		
LINN	Wakonda(RI) Kairn(RI) Kairn-Pro(RI) AV5103(RO)	S S S S	MM/MC/L MM/MC/L L L		4C/1T				300 188 188	2 2 2	0 0 0	No No No	3.1 2		1495.00 2995.00 2395.00 8495.00	Line-level version, \$1395.00.		
LIRPA LABS	Lirpa 1Mk K3 (RI)	H	LMNOP	OY		18-34 +12-.0.5	0.6	00.2	Yes	3.5	7.8	C/3P/O	12.4	45	29	1000.99	Externalized power supply; with kitchen sink, \$1400.99; without it, \$1600.99.	
LUXMAN	C-10 C-7 C-383(RI) CL-38 C-08 E-03	S S S T S S	L L MM/MC/L L L MM/MC	I/O I/O No No I/O		20-20 +0-.0.1 20-20 +0-.0.1 10-100 +0.2-.0.8 20-100 ±1 8-100 ±0.5 20-100	7.5 7.5 9 10 10	0.005 0.005 0.003 0.12 0.05	150 150 150 170 150	2 2 4 1 2	2 2 2 1 1		2.5	91	76	18,000 5500.00 995.00 8000.00 10,000 2000.00	Video switching.	
													4	103	83			

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# PREAMPLIFIERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	Circuitry: Solid State=S, Tube=T, Hybrid=H, Passive=P	Stages: MM Phono=MM, MC Phono=MC, Line or High Level=L	Balanced Analog Inputs=I, Balanced Analog Outputs=O	Digital Inputs Included Number and Type — See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS O—Other	
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.				
MAGNUM	MP160 MP330	S S	MM/MC MM/MC												750.00 1050.00				
MANLEY LABS	Manley Reference Line	T	L	I/O		10-100 ±0.2	30	0.001	100	0	0				5000.00	External power supply; variable feedback.			
	Manley Reference Phono	T	MM/MC/L	I/O		10-100 ±0.5	30	0.001	100	0	0		1	65	7000.00	As above; balanced MC input.			
	Manley Mastering Room Phono	T	MM/MC/L	I/O		10-100 ±0.5	30	0.001	100	0	0		1	60	60	4800.00	Balanced MC input; variable feedback.		
	Manley Control Master Line	T	L	I/O		20-100 ±0.5	30	0.001	100	0	0					3600.00	Variable feedback; stepped attenuator.		
	Manley Purist Preamp	T	L	O		20-100 ±0.5	25	0.001	100	0	0					1650.00	Variable feedback.		
	Manley Lab Series Line	T	L			10-50 ±0.5	25	0.001	100	0	0					1150.00	As above; stepped volume control; buffered tape output.		
MARANTZ	7 AV-600(RI)	T S	MM/L L			20-20 ±0.1 20-20 ±0.01	7 7	0.1 0.01	150 150	2 2	4 2		DP/THX		80	3800.00 1300.00	Tuner/preamp/surround (see also "Surround Processors").		
	AV-550(RI)	S	L		1C/1T	20-20 ±0.01	7	0.01	150	1	2		DP/3			1000.00	As above.		
	PR41	P	L			0-50	100			0	0					499.00	Kit, \$299.00.		
MARCHAND ELECTRONICS	Reference	T	MM/MC/L			12-100	20	0.03	150	1	0			2	75	75	8800.00	External power supply; stepped attenuator; MC sensitivity, 0.2 mV.	
	Fantasy Line Stage	T	L			+0.04, -0.14	20	0.016	150	1	0						5400.00	Stepped attenuator.	
	Atom	T	L			+0.04, -0.14											2995.00		
MBL	6010 CA(RI)	S	MM/MC/L	I/O		0-600	11		200	4	0			†	†	†	13,413	Modular; optional input/output level display, \$1175.00; optional upgraded remote, \$495.00; additional inputs and outputs optional; without phono and balanced inputs, \$11,190. †Varies with gain setting.	
	5010 C(RI)	S	MM/MC/L	I/O		0-400	11		315	2	0			†	†	†	6927.00	Modular; optional remote as above; additional inputs optional; without phono and balanced inputs, \$4850.00; with shorter signal path and metal potentiometer but no remote or headphone jack, 5010 CM, \$7867.00 (\$5790.00 without phono and balanced inputs).	
	4004(RI)	S	MM/MC/L	I/O		0-300	11		315	2	0			†	†	†	2856.00	Modular; optional upgraded remote, \$328.00; upgraded MM and MC inputs optional; without phono and balanced inputs, \$2100.00.	
McCORMACK AUDIO	Active Line Drive ALD-1	S/P	MM/MC/L	O		5-100 ±0,-1	10	0.01	225	2	0			1.1	80	75	1745.00	Optional phono stage and external power supply; one passive and seven active inputs; with upgraded components and connectors, Deluxe ALD-1, \$2060.00.	
	Line Drive TLC-1(RO)	S/P	L			0-200		0.001		2	0						995.00	Buffered; optional external power supply; with upgraded components, Deluxe TLC-1, \$1220.00.	
	Micro Integrated Drive	S	L			0-250	9	0.01		0	0						695.00	Includes headphone amp (10-watt music power); two headphone jacks; speaker binding posts.	
	Micro Line Drive Micro Phono Drive	S/P S	L MM/MC			10-200 ±0.1 10-200 ±0.15	6 6	0.008 0.01	500	1	0			1.1	75	70	495.00	Adjustable phono loading and gain.	
McINTOSH	C38(RI)	S	MM/L	O		20-20 ±0,-0.5	8	0.002	250	1	2			0.5	90		2500.00	Built-in compander and 20-watt/channel monitor amp.	
	C40	S	MM/L	I/O		20-20 ±0,-0.5	8	0.002	250	2	5			0.5	90		3500.00	Four-zone, multi-room A/V controller.	
	CR12 C100(RI)	S S	L MM/MC/L	O I/O		20-20 ±0,-0.5 10-40	8 12	0.01 0.002	250 450	2 2	2 0			0.88	86		3300.00 6500.00	Two chassis (controller and power supply in one, audio stages in the other).	
MERIDIAN	501.2	S	MM/MC/L	No		20-20	3	0.003	Adj. 500	1	0			Adj. Sel.	70	60	1195.00	Video switching; without D/A converter and video inputs, \$1395.00.	
	562V	S	MM/MC/L	No	5C/2T	20-20	12	0.003	Adj. 500	2	0			Adj. Sel.	70	60	2195.00		
MISSION ELECTRONICS	502	S	MM/MC/L	I/O		20-20	3	0.003	Adj. 200	1	0		DP/O	Adj.	70	60	2195.00	Preamp/surround (see also "Surround Processors").	
	541(RI)	S	MM/MC/L	L		20-20	12	0.001	Adj. 200	2	0						1895.00		
MESA ENGINEERING	Countess	T	L	No		20-20				2							1495.00		
MINNESOTA AUDIO LABS	The MAL Preamp	T	L			10-150 ±3	15	0.1	140	1	0						1500.00		
MISSION ELECTRONICS	Cyrus Pre(RI)	S	MM/L	I/O		1-100 ±0,-3	4	0.005	†	1	0	No		2.75	87		†Balanced, 77.5 mV; unbalanced, 200 mV. Optional MC module.		



# PREAMPLIFIERS

MANUFACTURER	Model (RI)=Remote Included (RO)=Remote Optional	Circuitry: Solid State=S, Tube=T, Hybrid=H, Passive=P	Stages: MM Phono=MM, MC Phono=MC, Line or High Level=L	Balanced Analog Inputs= Balanced Analog Outputs=O	Digital Inputs Included, Number and Type—See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms		THD, %	High-Level Sensitivity, mV	No. of Taps & Processor Loops	Number of Tone Controls	Surround Processing—See Code	PHONO STAGE			Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing OTS—OTS O—Other	
							MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.						MC Phono S/N, dB, A-Wtd.	Price, \$				
MONARCHY AUDIO	10A 33	S S	L L	I/O	1C/1T/1B	20-100 +0,-0.25 20-50 ±0.2	15 15	0.001 0.002	300 300	1 0	0 0					980.00 1199.00	20-bit D/A conversion (see also "D/A Converters").		
BRUCE MOORE AUDIO DESIGN	Companion Nomad Dual Mono	T T T	L MM/MC L			2-200 +0,-1 2-200 +0,-1 1-1M +0,-1	20 35 30	0.025 0.02 0.02	200 200	1 1				3.9	82	60	2100.00 1600.00 5500.00	Stepped attenuators. External power supply; ladder attenuators.	
MORRISON AUDIO	PRE-3 ELAD EGAD	S S S	MM/MC/L L MM/MC			0.16-400 +0,-3 0.16-400 +0,-3 0.16-400 +0,-3	10 10 10	0.006 0.006 0.006	Var. Var.	1			Var. Var.				3500.00 1000.00 1500.00	External power supply. As above. As above.	
MUSEATEX AUDIO	AVC-1(RI)	S	L	I/O		1-100 +0,-0.25	3	0.25	88	†	0						1999.00	†Two audio and two A/V tape loops.	
MUSICAL DESIGN	SP-2B	T	L			0.1-160	20	0.01	100	1	0						995.00	Direct input bypasses switching; single-stage circuitry.	
MUSIC REFERENCE	RM-4C RM-4+ RM-5 MKIV	T T T	MC MM MM/L	No No		10-100 2-200 +0,-1 1-100	20 40 20	0.01 0.01 0.15			1			0.25	87	90	750.00 950.00 1995.00	Adjustable gain and impedance.	
MYRYAD SYSTEMS	MP-100(RI)		L	O		20-20 ±0.2	20	0.005	200	2	0						999.00	Optional phono stage (MM board, \$99.00; MC board, \$129.00).	
NAD	118(RI) 116(RI) 114 917(RI)	S S S S	L MM/MC/L MM/MC/L L	I/O No	4C	20-20 ±0.25 20-20 ±0.2 20-20 ±0.2 20-20 ±0.5	10 12 12 6	0.005 0.01 0.02 0.03	150 80 80 150	2 2 2 2	4 2 2			1.5	76 78 76		1599.00 799.00 399.00 699.00	Digital preamp with D/A and A/D conversion. Tuner/preamp/surround (see also "Tuners" and "Surround Processors").	
NAGRA	PL-P	T	MM/MC/L			22-60 +0,-1	10	0.1	150	1	0			0.25	80	74	9500.00	Powered by rechargeable D cells; includes AC power supply; level-monitoring meter.	
NAIM AUDIO	NAC 92R(RI)  NAC 72  NAC 102(RI) NAC 82(RI) NAC 52(RI)	S  S  S S S	L  L  L L MM or MC/L			20-20 ±0.5  20-20 ±0.5  20-20 ±0.5 20-20 ±0.5 20-20 ±0.5	7  7  7 7 7	  7  7 7 7	75  75  75 75 75	2  2  3 3 3	0  0  0 0 0						1250.00  1500.00  2150.00 4450.00 6950.00	Requires external power supply; optional MM or MC phono boards, \$175.00 per pair; without remote, NAC 92, \$950.00. Power supply and phono options as above. As above. As above. Requires Naim Supercap power supply, \$4250.00.	
NAKAMICHI	CA-1(RI)	S	L		3C/2T	10-50 +0,-3	8	0.01	250	2	0	DP/3					2300.00	Preamp/surround (see also "Surround Processors"); multi-zone, dual-source control; includes two remotes.	
NELSON-REED	NRA-3	S	MM/MC/L			1-400 +0,-3	7	0.005	150	1	0			2.0	85	75	1295.00	Without MC phono, NRA-2, \$1095.00; line-level only, NRA-1, \$795.00; optional NRA-W crossover module, \$295.00.	
N.E.W.	P-3(RO) Pentagon(RI)	T T	L MM/MC/L	No No		20-35 ±0.05 20-40	14 18	0.003 0.001		1 1	0 0						1498.00		
OCM TECHNOLOGY	OCM 88(RI) OCM 58 OCM 55 OCM 50 OCM 10	S S S S S	L L L L MM/MC	O I/O I/O O		20-20 ±0.1 0.2-150 20-20 ±0.1 20-20 ±0.1	9 18 18 7	0.05 0.05 0.05 0.02	193 193 700	2 1 1 1	0 0 0 2						2395.00 2100.00 1395.00 775.00 1195.00	Class A. Balanced connections only. Class A.	
ODYSSEY DESIGN GROUP	Tempest	S	MM/MC/L			2-200 ±3	10	0.005		2	0						From 995.00		
ONIX	OA 35 OA 36M(RO)	S S	L MM/L			11-35 ±1 11-35 ±1	1 1	0.001 0.001	240 240	2 2	0 0			2.0	80		1495.00 2395.00	Line-level and MC phono version at same price; without phono, OA 36L, \$2195.00; optional universal remote, \$180.00.	
ONKYO	P-301(RI) Integra P-304	S S	MM/L MM/MC/L	No No		15-30 ±1 0.8-170 ±3	5 6	0.009 0.005		3 2	2 1			2.5 2.5	83 92	81	289.95 559.95	Multi-room capability if used with M-501 amp.	
PAPWORTH AUDIO TECHNOLOGY	PPA6	T	L	No		6-40 ±0.1	10	0.05		2	0	No					2800.00		
PARASOUND	P/PH-100 P/HP-850 P/LO-1100(RI) P/LO-2000(RI) P/SP-1500(RI)	S S S S S	MM MM/L L L L	I/O	None	10-50 ±1 10-100 +0,-2 5-135 +0,-2 5-135 +0,-2 10-100 +0,-1	10 10.5 10.5 10	0.009 0.005 0.005 0.005	150 150 150 300	1 2 2 2	2 0 0 0			2 2.5	72 65		120.00 395.00 850.00 1495.00 1500.00	Half-rack width. Includes headphone amp. Class A. As above; DC-coupled. Preamp/surround (see also "Surround Processors"); upgradable to Dolby Digital (AC-3) with P/OO-1500 decoder.	
PASS LABORATORIES	Aleph P(RI) Aleph L Aleph ONO	S S S	L L MM/MC	I/O		5-100 +0,-3 10-100 +0,-1 20-20	15 10	0.1 0.2		1 0	0 0						4000.00 2000.00 2000.00	Single-ended; fully balanced circuitry. Single-ended. As above.	
PATHOS	InControl(RI)	H	L	O		2-80 ±0.5	12	0.01		1	0						5900.00	Includes external power supply.	
PENTAGON	C-70 PS-3	S S	L MM/MC			3-106 +0,-3		0.003		2	0						2800.00 1900.00	With phono stage, \$3000.00.	



# PREAMPLIFIERS

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													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.		
PERREAUX	SM6(RI)	S	L	I/O		20-20 $\pm$ 0.15	1.5	0.003	200	2	0	No				From 2995.00	Preamp/surround (see also "Surround Processors"). As above.
	SM1(RI) AVP1(RI)	S S	L L	O	2C/1T	20-20 $\pm$ 0.15 20-20 $\pm$ 3	1.5 1.5	0.003 0.02	200 250	2 0	0 0	No DP/3			From 2495.00 1995.00 995.00		
	EDSP(RI) EP4	S S	L L										DP/3				
PLACETE AUDIO	PAS(RI) G2(RI) DB(RI)	P S S	L L L			1-1M $\pm$ 0-0.5 1-1M $\pm$ 0-0.5		0.005 0.008		2 2 2					2000.00 3000.00 3600.00	126-step volume control. As above. As above.	
	940	S	MM/MC/L	O		5-100 $\pm$ 0.1	16	0.006	250	2	0		Var.	72	66	4000.00	Includes external DC power supply; without phono stage, \$3250.00; optional DAC with two digital inputs (one coaxial, one AT&T), \$1250.00; optional DAC with HDCD, \$1750.00. Power supply as above; without phono stage, \$3650.00; DAC options as above.
	945(RI)	S	MM/MC/L	O		5-100 $\pm$ 0.1	16	0.006	250	2	0		Var.	72	66	4400.00	
PRESENCE AUDIO	Linestage I Standard	T	L							1	0					2500.00	Class A; external power supply; stepped attenuators, with upgraded attenuators, Linestage I Deluxe, \$3500.00; with upgraded attenuators, resistors, and power supply, Linestage I Paramount, \$6700.00; with two power supplies and further upgrades, Linestage I Ultimate Paramount, \$12,000.
PROCEED	PAV(RI)	S	L	I/O	None	20-20 $\pm$ 0-0.2		0.01		4	0	DP/THX				4195.00	Preamp/surround (see also "Surround Processors"), multi-zone control; ISF certified; upgradable to accept Proceed DSD (Dolby Digital and DTS decoder). Remote turn-on of Proceed amps.
	PRE(RI)	S	L	I/O	None	20-20		0.03		2	0					1995.00	
PS AUDIO	7.0	S	L	I/O		20-20 $\pm$ 0.01		0.03	Sel.	1	0					1295.00	
	8.0	S	L	I/O		20-20 $\pm$ 0.01		0.01		1	0					695.00	
	9.0(RI)	S	L	I/O		20-20 $\pm$ 0.01		0.01		1	0					995.00	
PSE	HL-1(RI)	H	L	I/O		5-100 $\pm$ 0-0.1	24	0.01	250	2	1	No				2475.00	Optional digital inputs (one coaxial, one AT&T); optional MM/MC phono stage. Without phono stage, Studio SL Line, \$850.00.
	Studio SL Phono	S	MM/MC/L	O		5-100 $\pm$ 0-0.1	12	0.005	250	1	0	No	10	80	78	950.00	
PUREST SOUND SYSTEMS	500 Dual Mono MkIII	P	L			0-150		0.002		1	0					345.00	Shunt volume control.
	1000 Dual Mono MkIII	P	L			0-150		0.002		2	0					495.00	As above.
	500 Silver Editions	P	L			0-150		0.002		1	0					415.00	As above.
	1000 Silver Editions	P	L			0-150		0.002		2	0					585.00	As above.
	500 Silver Signature	P	L			0-150		0.002		1	0					595.00	As above; 600-ohm, matching-transformer output.
	1000 Silver Signature	P	L			0-150		0.002		2	0					785.00	As above.
PURIST AUDIO DESIGN	Cadenza	H	L	I/O		20-150 $\pm$ 0-0.5	32	0.001	Var.	1	0	No				6000.00	
QUICKLINE PRODUCTS	PA-4	S	MM/MC			10-20 $\pm$ 0.2	11.5	0.01		2	0		3.1	90	75	1595.00	External power supply.
	CC-1	P	L							1	0					1295.00	
	CC-2	P	L							1	0					895.00	
	CC-3	P	L							0	0					495.00	
QUICKSILVER AUDIO	LS Preamp Preamp Phono Preamp Moving Coil Transformer	T T T T	L MM/L MM MC			0.1-200 $\pm$ 0-3 1-650 $\pm$ 0-3 20-20 $\pm$ 0.25	65 65 50 2.8	0.005 0.0005	50 20	1 1	0 0		5 3			975.00 1995.00 895.00 365.00	75-ohm output impedance. 12.5-ohm output impedance. Transformer; 23-dB fixed gain; for cartridges with output impedance from 0.5 to 40 ohms.
R. E. DESIGNS	LNLSA-1	S	L			10-200	7	0.005		1	0	No				1200.00	Two buffered and five unbuffered inputs.
REFERENCE LINE AUDIO	Preeminence	P	L			0-1M				1						2095.00	Dual stepped attenuators; direct input bypasses switching.
	Two Preeminence	P	L			0-1M				1						1395.00	Stepped attenuator; input as above.
	One Preeminence One B	P P	L L	I/O		0-1M				1						2395.00	Dual stepped attenuators.
REFLECTION AUDIO	OM-1	S	L	O		10-500 $\pm$ 0.02	24	0.003		1	0					3995.00	Optional balanced input; includes external power supply.
REGA RESEARCH	Hal(RI)	S	MM/MC/L	O		12-120			208	2	0		2.8			1575.00	
ROKSAN AUDIO	ROK L2.5	S	L			20-20 $\pm$ 0.5		0.005		2						2190.00	
	ROK L1.5	S	L			20-20 $\pm$ 0.5		0.005		2						3890.00	
	ArtaXerxes 10	S	MM/MC			20-20 $\pm$ 0.5		0.005		2			2	88	84	690.00	



# PREAMPLIFIERS

MANUFACTURER	DIGITAL INPUTS C-Coaxial (RCA or BNC) T-Toslink (Plastic Fiber-Optic) A-AT&T Style (Glass Fiber-Optic) B-Balanced (AES/EBU) O-Other	Model (RI) = Remote Included, (RO) = Remote Optional	Circuitry: Solid State=S, Tube=T, Hybrid=H, Passive=P	Stages: MM Phono=S, MC Phono=MC, Line or High Level=L	Balanced Analog Inputs=I, Balanced Analog Outputs=O	Digital Inputs Included Number and Type — See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Notes	SURROUND PROCESSING DP-Dolby Pro Logic 3-Dolby Digital (AC-3) THX-Home THX Processing DTS-DTS O-Other	
														MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.			Price, \$
ROTEL		RC-971BXII RC-995(RI) RC-980BX RTC-940AX(RI) RQ-970BX Phono	S S S S S	L MM/MC/L MM/MC/L L MM/MC	O		4-100 +0,-3 4-100 +0.5 4-100 +0.5,-3 4-100 +0,-3 20-20 ±0.2	10 10 10 10 10	0.004 0.004 0.004 0.004 0.004	150 150 150 150	2 2 2 2	2 0 0 2		2.5 2.5 2.5 2.5	75 75 70 70	300.00 1000.00 549.90 500.00 199.90	Separate record control; dual outputs. As above. Dual outputs. Tuner/preamp (see also "Tuners").		
JEFF ROWLAND DESIGN GROUP		Coherence(RI) Synergy(RI) Cadence	S S S	L L MC	I/O I/O I/O		4-150 +0,-3 4-150 +0,-3 2-200 +0,-3	13 13 13	.0015 .0003 .0005	Adj. Adj.	1 1	0 0			92	12,800 4,800.00 3,300.00	Includes external battery power supply. Includes external AC power supply; external battery supply optional. Shares power supply with either of above models.		
RUSSOUND		PR-4Z(RO)	S	L		None	20-20 ±0.1	9	0.008	150	0	8				1,495.00	Four-zone A/V control; optional in-wall keypads and paging modules.		
SAS AUDIO LABS		7A 9A	T T	L L			4-160 +0,-0.3 4-160 +0,-0.25	20 25	0.008 0.006	150 150	1 1	0 0				539.95 1,799.50	Kit: dual volume controls.		
SIGNATURE TECHNOLOGIES		SRp-7g(RO)	T	MM/MC/L			10-35 ±1		0.01	65	1	0			72	1,995.00	Without phono board, \$1,695.00; optional remote, \$350.00.		
SM AUDIO		Studio Series	S	MM/MC/L	No		20-20 ±0.1	10	0.005	250	2	0			80	70	999.00		
SONIC FRONTIERS		Line 1(RI) Line 2(RI) Line 3(RI) Phono 1 Phono 2	T T T H H	L L L MC MM/MC	I/O I/O I/O I/O I/O		2-250 +0,-0.5 2-250 +0,-0.5 2-250 +0,-0.5 20-20 ±0.15 20-20 ±0.15	56 56 56 32 34	0.01 0.01 0.01 0.05 0.05		2 2 2	0 0 0			0.5 94 74 75	2,495.00 3,295.00 4,995.00 1,995.00 4,995.00	Fully balanced circuitry. As above; external power supply. As above. 0.4-mV sensitivity; selectable loading. Fully balanced circuitry; external power supply; selectable loading.		
SONOGRAPHE		SC26(RI)	S	L			20-20 +0,-0.1	3.5	0.05		2	0					995.00		
SONOGY		Concerto Concerto RIAA-MM Concerto RIAA-MC Concerto/II	S S S S	L MM MC L	O O O		20-20 +0,-0.5 20-20 +0,-0.5	3 3	0.2 0.2	Var. 1	1 0			5		1,900.00 350.00 350.00 1,900.00	Modular design; external power supply; zero loop feedback. Plug-in for model above. Plug-in for Concerto; 0.3-mV sensitivity. With subwoofer low-pass filter, \$2,500.00.		
SONY ES		TA-E2000-ESD (RI) TA-E90ES(RI)	S S	MM/L MM/MC/L		1C/2T	10-20 ±0.1 3-300 +0,-3	7 7	† 0.003	250 150	5 2	†† 2	DP	5 0.25	84 95	1,400.00 2,000.00	Digital compression/expansion. †Analog input, 0.004%; digital, 0.003%. ††Parametric EQ.		
SOUNDSTREAM TECHNOLOGIES		Mosaic (essential)(RI) Mosaic (extreme)(RI) SN-1 MkII Simul-source (RO)	S S S	L L L	O O No	2C/2T 4C/4T/1O		20-20	10	0.005	125	0	0			3,690.00 4,990.00 1,295.00	Preamp/surround (see also "Surround Processors"); learning remote; seven slots for optional cards (A/V inputs and outputs, multizone control, or FM tuner). Tuner/preamp/surround (see also "Surround Processors"); learning remote; I <sup>2</sup> S digital input; RS-232 control port; three slots for optional cards (inputs and outputs or multizone control). 29-zone A/V controller; responds to remote or in-wall keypads.		
SOUND VALVES		SV-100 VTP-101i The Glory Model I	S T H	MM/MC/L MM/L L	No		20-20 ±0.1 2-180 +0,-3 5-300 +0,-3	5 15 20	0.005 0.01 0.03	65 200 160	2 3 2	2 0 0		6.0 5	87 75	678.00 799.00 1,795.00	Headphone jack; without phono stage, \$549.00. Class A; triode tubes; auto muting. Class A; triode tubes; zero feedback; buffered tape output; headphone output; internal crossover with subwoofer level control.		
SPECTRAL AUDIO		DMC-20 Reference Series 2 DMC-12	S S	MM/MC/L MM/MC/L	I/O		0-1M ±0.1 0-1M ±0.1	80 40	0.01 0.01	100 100	1 1	0 0		1.5 1.5	90 85		External power supply; line-level and unbalanced versions available. External power supply; line-level version available.		
SPHINX		Myth 1 Project 2 MkII Project 8	S S S	L L L			0-111 0-500 0-500	10 9.2	0.002 .0015 .0015		1 1 1	0 0 0				1,795.00 2,295.00 8,995.00			
SPL		ProMike 9524 MikeMan 9523 EQ Magix 9422	S S S	L L L	I/O I/O I/O		20-90 20-90 20-90		.0005 .0005 .0002		2 2					1,399.00 699.00 1,699.00			
STANTON		310B		MM			20-20	15	0.05					0.5	74	329.00			
SUNFIRE		Classic Tube Preamp/Phono Stage	T T	L MM/MC	O		20-20	20	0.2	350	1	2		1.4	81 72	1,495.00	For model above.		



# PREAMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Circuitry: Tube = T, Solid State = S	Stages: MM Phono = MM, MC Phono = MC, Line or High Level = L	Balanced Analog Inputs = I, Balanced Analog Outputs = O	Digital Inputs Included Number and Type — See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Price, \$	Notes	SURROUND PROCESSING DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS 0—Other
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.			
SUTHERLAND	C-1000(RI)	S	L	I/O		0-200 ±0.1	15	0.01	200	2	0					20.000	Includes external power supply; buffered tape outputs. Buffered tape outputs. Adjustable gain and cartridge loading.	
	C-2000(RO)	S	L	No		20-200 ±0.1	15	0.01	200	1	0					8000.00		
	PH-2000	S	MM/MC	No									1.58	90	84	6800.00		
SYMETRIX	SX202	S	†	I/O		20-20	9.75	0.007								319.00	†Mike preamp. Mono and stereo outputs; 48-V phantom power; 1.23-mV sensitivity, half-rack size.	
SYMPHONIC LINE	P20	S	MM/MC/L			2-200 ±3	50	0.005		2	2					2500.00	External power supply; optional phono stage, \$800.00.	
	P30	S	L			2-300 ±3	50	0.005		2	2					5000.00		
	Erleuchtung (RO)	T	L			1-100 ±3	100	0.05		2						6900.00	External power supply; optional MM phono stage, \$300.00; optional remote, \$200.00.	
TANDBERG	TCA 4038(RO)	S	MM/L		2C	20-150 ±0.5	10	0.006	90	2	2	DP/3	1.2	75		1099.00	Preamp/surround (see also "Surround Processors").	
	TCA 4138	S	L			20-20 ±0.5	5		100	1						1999.00		
TAURUS AUDIO	LS-2S	T	L	No		5-20 ±1	20	0.008		0	0	No				700.00		
TECHNICS	SU-C1000(RI)	S	MM/MC/L	I		3-80 +0,-3			200	3			2.5	78	64	399.95		
THETA DIGITAL	Casablanca(RI)	S	L	0	6C/2T	20-21 +0,-0.01	6	0.002			0					4595.00	Modular preamp/DAC (see also "D/A Converters"); surround processing boards and additional digital inputs optional.	
THOR AUDIO	TA-1000	T	L			15-35 ±0.1	5	0.01		1	0					6990.00		
	TA-2000	T	MM/L			15-35 ±0.1	5	0.01		1	0					8490.00		
	TA-3000	T	MM/MC			20-20 ±0.05	2	0.01								5990.00		
	TP-10	T	MC			15-35 ±0.1	2	0.01								1299.00		
THORENS	TTP 2000F(RO)	S	MM/MC/L	I/O		10-150 ±0.3	10.7		150		0					1800.00		
THRESHOLD	T2(RI)	S	L	I/O		0-200 +0,-1	25	0.001		2	0					5750.00	Fully balanced circuitry; external power supply. Unbalanced version of model above; with upgraded power supply, T3i, \$3190.00. External power supply.	
	T3(RI)	S	L	I/O		0-125 +0,-1	15	0.005		1	0					2590.00		
	FET 10/EP	S	MM/MC	0		RIAA ±0.25	20	0.005					1	85	74	2990.00		
TIMBRE TECHNOLOGY	TT-3	S	L	I/O		20-200 +0,-0.5	7	0.005	100	1	0					2695.00		
TRANSCENDENT SOUND	TLL	T	L			5-250 +0,-1	25	0.03	250	0	0					1395.00		
TUBE RESEARCH LABS	GTRP	T	L													8500.00	Stepped attenuators.	
	GTP	T	MC													3800.00		
	GTRP.P	T	MC													12,500		
ULTECH AUDIO	Theater Center	S	L	0	1C/1T/1O	20-20	2	0.003	1V		0	DP/3				3995.00	Preamp/DAC with HDCD decoding/surround (see also "D/A Converters" and "Surround Processors").	
UNISON RESEARCH	Dream	T	L									No				22,500	Class A.	
	VPP One	T	MM/MC									No				4259.00		
	Mystery One	T	L									No				3199.00		
	Simply Phono	T	MM/MC									No				1099.00		
VAC	No. 20.1	T/P	L			3-110 +0,-0.5	16	0.02	Var.	1	0					1190.00	Selectable buffered passive mode. As above; Class A; external power supply; adjustable phono gain, impedance, and capacitance; optional balanced out; optional surround processor loop (following volume control). \$200.00; line-only version without feedback. CLA1 MKII, \$3690.00.	
	CPA1 MKII	T/P	MM/MC/L			3-150 +0,-0.25	19	0.022	Var.	1	0					5590.00		
	CPP1 MKII	T	MM/MC			20-20 ±0.1	10						Var.	85	70	4090.00		
J. C. VERDIER	Le Control	P	MM/L							1	0					795.00	MM stage requires power supply (optional supply, \$50.00).	
VTL	TL2.5(RI)	T	MM/L			6-200 ±0.5	60	0.01	100	2	0		0.5	72		2045.00	Available with line-level and MC phono stages for same price; without phono stage, \$1495.00. As above but \$2950.00 without phono stage.	
	TL5.5(RI)	T	MM/L	I/O		6-200 ±0.5	60	0.01	100	2	0		0.2	74		3700.00		
WAVELENGTH AUDI0	Sine V3 Cotangent	T H	L MM/MC			5-50 +0,-1 10-50		0.05 0.05	200	1	0		1.5	80	72	3500.00 1000.00	Transformer-coupled input.	
WELBORNE LABS	Compleat Hybrid Line Stage	H	L			20-50 ±3	12			1	0					820.00	Kit.	
	Compleat Hybrid Phono Stage	H	MM/MC			20-50 ±3							1.0			840.00	As above.	

# PREAMPLIFIERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Circuitry: Solid State = S, Tube = T, Hybrid = H, Passive = P	Stages: MM Phono = MM, MC Phono = MC, Line or High Level = L	Balanced Analog Inputs = I, Balanced Analog Outputs = O	Digital Inputs Included, Number and Type — See Code	Frequency Response, Hz to kHz, ±dB	Maximum Output, V rms	THD, %	High-Level Sensitivity, mV	No. of Tape & Processor Loops	Number of Tone Controls	Surround Processing — See Code	PHONO STAGE			Notes
													MM Phono Sensitivity, mV	MM Phono S/N, dB, A-Wtd.	MC Phono S/N, dB, A-Wtd.	
WILSON BENESCH	Stage 1	S	MC			5-70 +0.0-2	9	0.01						70	1500.00	For Wilson Benesch ACT 1 or ACT 2 turntable; 0.15-mV sensitivity; adjustable input resistance and capacitance.
WIN RESEARCH GROUP	PA-10	S	L	I/O		2-2M +0.0-3	14	0.003	100	2	0				3000.00	Stepped attenuators.
WOODSIDE	SC26P	T	MM/MC/L			5-50 +0.0-1	25	0.1	100	3	0	2.0	85	85	3495.00	Buffered tape outputs; without phono stage, SC26L, \$2495.00.
	SC27P	†	MM/L			5-50 +0.0-1	20	0.1	200	1	0	3	80		1895.00	†Line section, tube; phono section, hybrid. Without phono stage, SC27L, \$1595.00.
	SC27MC	†	MC/L			5-50 +0.0-1	20	0.1	200	1	0		80		2100.00	As above.
WRIGHT	LT-3	T	L			15-60 +0.0-0.5	18	0.02	120	1	2				1250.00	External power supply.
	PH-2	T	MM									2.0	70		650.00	
WYTECH LABS	Opal	T	L			2.6-750 +0.0-3				1					4850.00	External power supply; no feedback.
YAMAHA	CX-1(RI)	S	MM/MC/L	None	None	20-20 ±0.2	8	0.002	150	3	2	0.83	95	90	1199.00	Seven-position record out selector.
	CX-2(RI)	S	MM/MC/L	None	None	20-20 ±0.2	8	0.002	150	4	2	0.83	94	82	799.00	S-video inputs.
YBA	1P	S	MM/MC/L	No		5-400 ±0.2	8	0.05		1	0				5750.00	External power supply; optional upgraded supply, \$2000.00; optional balanced input or output (for this and models below), \$100.00 each; without phono, 1PL, \$4995.00.
	2P	S	MM/L	No		5-400 ±0.2	8	0.05		1	0			2	2750.00	External power supply; optional upgraded supply, \$700.00; optional MC phono module, \$650.00; without phono, 2PL, \$2495.00.
	3P Signature	S	MM/L	No		5-650	8.3	0.02		0	0				1850.00	Without phono, 3PL, \$1700.00.
		S	MM/MC/L			5-60 ±0.2	8	0.04		1	0				12,700	Power-supply upgrades, \$2000.00 or \$6300.00; without phono, Signature Line, \$11,500.



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CIRCLE NO. 93 ON READER SERVICE CARD



# TUNERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	FM Only=F, RDS=R	AM Stereo Capable?	Signal Strength for 50-dB Quieting dbf, Mono/Stereo	Capture Ratio, dB, Wide/Narrow	AM Suppression, dB	Alternate-Channel Selectivity, dB, Wide/Narrow	Total Number of Station Presets	Separation at 1 kHz, dB	THD at 1 kHz and 100% Modulation, %	Maximum S/N, dB, Mono/Stereo	Price, \$	Notes
ACCPHASE	T-109(RI)	F		17/37	1.5/1.5	80	70/100	32	50	0.02/0.04	90/85	2995.00	
ADCOM	GTP-740(RI)	R	No									1400.00	Tuner/preamp/surround (see also "Preamps" and "Surround Processors").
	GFT-555II		No	13.2/35.0	1.5	65	76	16	60	0.065/0.05	86/78	400.00	
	GTP-600(RI)		No	14/36	1.7	63	75	14	55	0.07/0.09	80/75	1100.00	As above.
	GTP-450(RI)		No	15/36	1.8	60	73	14	50	0.08/0.09	78/75	500.00	Tuner/preamp (see also "Preamps").
	GTP-350		No	15/36	1.8	60	73	14	50	0.08/0.09	78/75	400.00	As above.
AMC	T7(RI)		No	15.0/37.0	1.5	60	65	30	50	0.08/0.08	78/74	349.95	
ARCAM	Alpha 7		No		1.5	50	60	24		0.1/0.2	75/68	449.00	
	Alpha 8		No		1.5	50	60	24		0.1/0.2	75/68	549.00	
AUDIO DESIGN ASSOCIATES	MT-300 Multi-Tuner(RO)	Yes		13/34	1.4	54	80	3x 20	50	0.075/0.09	74/69	4727.00	Multi-room.
AUDIOLAB	8000T			17/36	1/2	60	65/40	39	50	0.05/0.08	82/75	1195.00	
AUDIOSOURCE	PreAmp/Tuner Two(RI)		No		1	40	65	18	60	0.2/0.4	76/70	499.95	Tuner/preamp (see also "Preamps").
B & K COMPONENTS	AVP1000(RI)		No	17/37	2	55	65	40	40	0.3/	70/	998.00	Tuner/preamp/surround (see also "Preamps" and "Surround Processors").
	AVP1030(RI)		No	17/37	2	55	65	40	40	0.3/	70/	1998.00	As above.
	AVP4090(RI)		No	17/37	2	55	65	40	40	0.3/	70/	2498.00	As above.
CAIRN	Annapura(RI)	F		18/40	2	65	20	35	0.2/0.3		75/65	950.00	
CARVER	TX-8R(RI)	No	No	17.2/40.7		1.0/1.5	60	63/	20	45 /0.3	70	449.00	Tuner/preamp/surround (see also "Preamps" and "Surround Processors").
	CT-26V(RI)	No	No	25/40.7			16	40	0.4/0.5		80/75	649.00	Tuner/preamp (see also "Preamps").
	CT-24(RI)	No	No	16.8/39.2			30	40	0.2/0.5		76/68	499.00	
CLASSÉ AUDIO	Tuner	F											
CREEK	T43 R(RI)	No	No	7.0/29.0	1.5	64	77.5	29	37	0.09/0.2	77/69	695.00	
DAY SEQUERRA	FM Studio Two	R	Yes									2800.00	
	FM Reference	F										5500.00	
	Classic Broadcast Standard	R	Yes									14,000	
DENON	AVP-8000(RI)	R										3500.00	Tuner/preamp/surround (see also "Preamps" and "Surround Processors").
	TU-380RD(RO)	R	No	15.3/38.5	1.5	50	50	40	40	0.1/0.15	82/78	325.00	
	TU-280	No	No	15.3/38.5	1.5	50	50	30	40	0.1/0.2	79/74	275.00	
DYNACO	PAT-6 Series II(RI)											500.00	Tuner/preamp (see also "Preamps").
ELITE	F-93	No	No	15.9/36.2	1.0	80	85	40	60	0.03/0.2	96/88	900.00	
FANFARE FM	FT-1(RI)	F		15.0/35.0	1.5/	70	55/75	8	50	0.15/0.3	75/	1395.00	
HARMAN KARDON	TU930	No	No	37.2		60	75/75	30	40		74/68	199.00	
JOLIDA	JD 401 A(RI)	R	No					30		0.05/0.05	75/70	350.00	Tube output stage.
KENWOOD	KC-Z1(RI)	No	No	41.2		50		44	40	0.6/0.7	75/68	2800.00	Tuner/preamp/surround (see also "Preamps" and "Surround Processors").
LINN	Kremlin(RI)	F						80				3995.00	
	Kudos(RI)	No	No					50				1750.00	
	Kudos-Module	No	No					50				1150.00	
LUXMAN	T-353L	No	No	26	1.5	62	62	30	48	0.1/0.15	78/65	449.00	
MAGNUM DYNALAB	MD 108	F		13/33	1.5/1.5	70	75/90	0	55	0.1/0.15	80/75	5500.00	
	Etude(RO)	F		13.2/34	1.5/	70	70/80	60	60	0.10/0.18	80/	1350.00	
	FT101A(RO)	F		13.2/34	1.5/	70	60/80	60	60	0.10/0.18	75/	875.00	
	FT11	F		14.5/35.3	1.5	70	70	3	50	0.13/0.30	75/	545.00	
MARANTZ	ST-46(RI)	No	No	16.8/38.6	1	60	50	30	45	0.09/0.15	78/70	250.00	
McINTOSH	MR7084(RI)	No	No	19/39	1.5		70	50	50	0.08/0.08	80/75	1500.00	
MERIDIAN	504(RO)	F		14.7/38.4				30		0.003/0.003	70/70	1295.00	
MISSION ELECTRONICS	Cyrus FM7	F		18/36	1.5	55	29	50	50	0.05/0.08	83/76		
MUSICAL FIDELITY	Elektra E50	F		19/42			55	20	45	/0.5	78/70	499.95	
MYRYAD SYSTEMS	MT-100(RI)	F							45	0.1/0.2	80/74	849.00	
NAD	412	No	No	13/35		1.6/1.6	60	58/	12	0.08/0.1	80/74	299.00	Tuner/preamp/surround (see also "Preamps" and "Surround Processors").
	917(RI)	No	No	22/40	1.6	60	60	58/	30	0.25/0.25	76/70	699.00	
NAIM AUDIO	NAT 03	F										1200.00	
	NAT 02	F										2250.00	
	NAT 01	F										3600.00	Includes external power supply.
ONIX	TU39(RO)	F		9.1/32		70	30/100		70	0.07/0.15	91/92	1895.00	
ONKYO	Integra T-4711 (RI)	R	No	16.1/36.1	1.3/	50		40	55	0.03/0.07	85/77	From 549.95	
	Integra T-9090II (RI)	F	No	15.8/37.2	1.0/	64	/80	20	†	0.009/0.02	85/84	789.95	†Wide mode, 50 dB; narrow mode, 43 dB.
	T-4310R	R	No		1.5/	50	55/	30	40	0.1/0.1		279.95	
	T-4210	No	No		1.5/	50	55/	30	40	0.1/		199.95	
OPTIMUS	TM-155	No	No		2.5	40	0	35	1/0		/60	59.99	
PARASOUND	T/DQ-1600(RI)	No	No	14.8/37.2	1.0/	55	60/80	20	46	0.07/0.25	80/75	385.00	



# TUNERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	FM Only=F, RDS=R	AM Stereo Capable?	Signal Strength for 50-dB Quieting dbf, Mono/Stereo	Capture Ratio, dB, Wide/Narrow	AM Suppression, dB	Alternate-Channel Selectivity, dB, Wide/Narrow	Total Number of Station Presets	Separation at 1 kHz, dB	THD at 1 kHz and 100% Modulation, %, Mono/Stereo	Maximum S/N, dB, Mono/Stereo	Price, \$	Notes
PERREAU	TU6(RO)		No				20	40	0.08/0.3	75/70	From 1195.00		
REGA RESEARCH	Radio			1.6	60		24	53	0.08/0.1	81/74	495.00		
REVOX	S26 Elegance(RO) B26 Emotion(RO) E-460 Exception (RO)	F/R F/R F/R		15.2/36.8 13.2/34.8 13.2/34.8	1/1.5 1/1.5 1/1.5	70 50/80 70	35 35 60	43 43 43	0.5/0.7 0.07/0.1 0.07/0.09	74/70 80/ 82/	995.00 1595.00 2495.00		
ROKSAN AUDIO	Caspian	F					50						
ROTEL	RT990BX(RI) RTC940AX(RI) RT940AX RT935AX		No No	14.8/37.2 14.8/37.2 12.5/34.5 12.5/34.5	1.0/ 1.0 1.5 1.5	60 58 60 60	50/80 70 63 63	16 16 20 20	50 48 40 40	0.05/0.12 0.07/0.25 0.08/0.3 0.08/0.3	87/82 80/75 75/70 75/70	749.90 500.00 350.00 269.90	Tuner/preamp (see also "Preamps").
SANSUI	TU-X210		No				16					139.00	
SONY ES	ST-SA5ES ST-S211(RO)			22.1/42.1		54 55	40 40	70 40	0.004/0.0075 0.3/0.5	100/92 80/75	800.00 150.00		
SPHINX	Project 5 Myth 7	R R	No No	26/42 26/42			59 59	49 49	0.11/0.12 0.11/0.12			1995.00 995.00	
TANDBERG	TPT 4031(RI)	F		17.2/36.4	1.0	100	16	45	0.15/0.15	82/78	1499.00		
THORENS	TRT-2000(RO)	R					59	60		74	1480.00		
YAMAHA	TX-950(RO) TX-492(RO)		No No	15.1/37.7 15.1/37.7	1.2 1.5	70 55	85 85	40 40	0.02/0.03 0.1/0.2	96/90 80/75	429.00 199.00		

# RECEIVERS

MANUFACTURER	Model (RI)=Remote Included, (RDS)=Remote Optional (RDS)=Tuner Shows RDS Data	Number of Amplified Channels (Line-Level Subwoofer Output =S)	Average Watts Ch. into 8 Ohms, Main/Center/Surround, All Channels Driven	THD, % Main/Center/Surround	Rated Full-Power Bandwidth, Hz to kHz	MM Phono S/N, dB, A-Wkd.	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing — See Code	External Surround-Decoder Inputs (AC-3 Ready?)	Total Number of Station Presets	Signal Strength for 50-dB Quieting dbf, Mono/Stereo	Capture Ratio, dB	THD at 1 kHz, %, Mono/Stereo, 100% Modulation	Alternate-Channel Selectivity, dB	Maximum S/N, dB, Mono/Stereo	Separation at 1 kHz, dB	Weight, Pounds (To Nearest Pound)	Price, \$
<b>SURROUND PROCESSING</b> D — Dolby Surround DP — Dolby Pro Logic 3 — Dolby Digital (AC-3) THX — Home THX Processing DTS — DTS O — Other																			
AIWA	AV-X500(RI) w/Hi-Fi VCR AV-X300(RI) w/five-disc CD changer	4 4	100/100/100 100/100/100	0.08/0.08/0.08 0.08/0.08/0.08	40-20 40-20	60 60	0.59 0.59		DP DP		32 32		1.0 1.0	0.35/0.7 0.35/0.7	50 50	76/70 76/70	40 40	21 23	650.00 500.00
	AV-X270(RI) AV-X220(RI) AV-X120(RI)	4 4 4	140/140/70 120/170/60 70/70/35	0.08/0.08/0.08 0.08/0.08/0.08 0.08/0.08/0.08	40-20 40-20 40-20			3 3 3	DP DP DP	No No No	32 32 32	/28 /28 /28	1.0 1.0 1.0	/0.7 /0.7 /0.7	50 50 50	76/70 76/70 76/70	24 23 21	425.00 400.00 250.00	
AMFI	Amfitheater 1 Amfitheater 3	5, S 5, S	75/75/30 75/75/75	0.09/0.09/0.09 0.09/0.09/0.09	20-20 20-20	2 2		2	D/DP D/DP/3	No	30 30		1.5	0.15/0.25			45 25	23	499.00 999.00
B & K COMPONENTS	AVR5.1(RI)	5, S	100/100/100	0.09	5-45	1	7		DP/3/DTS		40	17/37	2	0.3/	65	70/	40	50	2498.00
CARVER	HTR-880(RI)	5, S	80/80/30	0.01	20-20	75	1.1	2	DP	No	30	16/39		0.5/0.2			40	32	859.00
DENON	AVR-5600 (RI & RDS) AVR-3600(RI) AVR-3200(RI) AVR-2400(RI) AVR-1400(RI) AVR-800(RI) AVR-600(RI) DRA-775RD (RI & RDS) DRA-375RD (RI & RDS) DRA-275R	5, S 5, S 5, S 5, S 5, S 5, S 5, S 2 2 2	140/140/140 110/110/110 85/85/85 75/75/75 65/65/65 60/60/15 50/50/15 90	0.05/0.05/0.05 0.05/0.05/0.05 0.05/0.05/0.05 0.05/0.05/0.05 0.08/0.08/0.3 0.08/0.08/0.3 0.009	20-20 20-20 20-20 20-20 20-20 20-20 20-20	76 76 76 76 76 78 78			DP/3/THX DP/3 DP/3 DP/0 DP/0 DP/0 DP/0		40 40 40 40 40 40 40	15.3/38.5 15.3/38.5 15.3/38.5 15.3/38.5 15.3/38.5 15.3/38.5 15.3/38.5	1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.1/0.2 0.1/0.2 0.1/0.2 0.1/0.2 0.15/0.3 0.1/0.2 0.1/0.15	55 55 55 55 55 55 55	80/75 80/75 80/75 80/75 80/75 82/78 80/75	40 40 40 40 40 40 40	54 50 33 30 23 17 22	2800.00 1800.00 1200.00 699.00 549.00 399.00 329.00 750.00
	ELITE (Continued)	5, S 5, S	100/100/100 100/100/100	0.8/0.8/0.8 0.8/0.8/0.8	20-20 20-20	80 80		5 5	DP/3/THX DP/3/THX	No No	30 30	16.8/38.6 16.8/38.6	1.0 1.0	0.2/0.3 0.2/0.3	65 65		45 45	34 30	1750.00 1450.00





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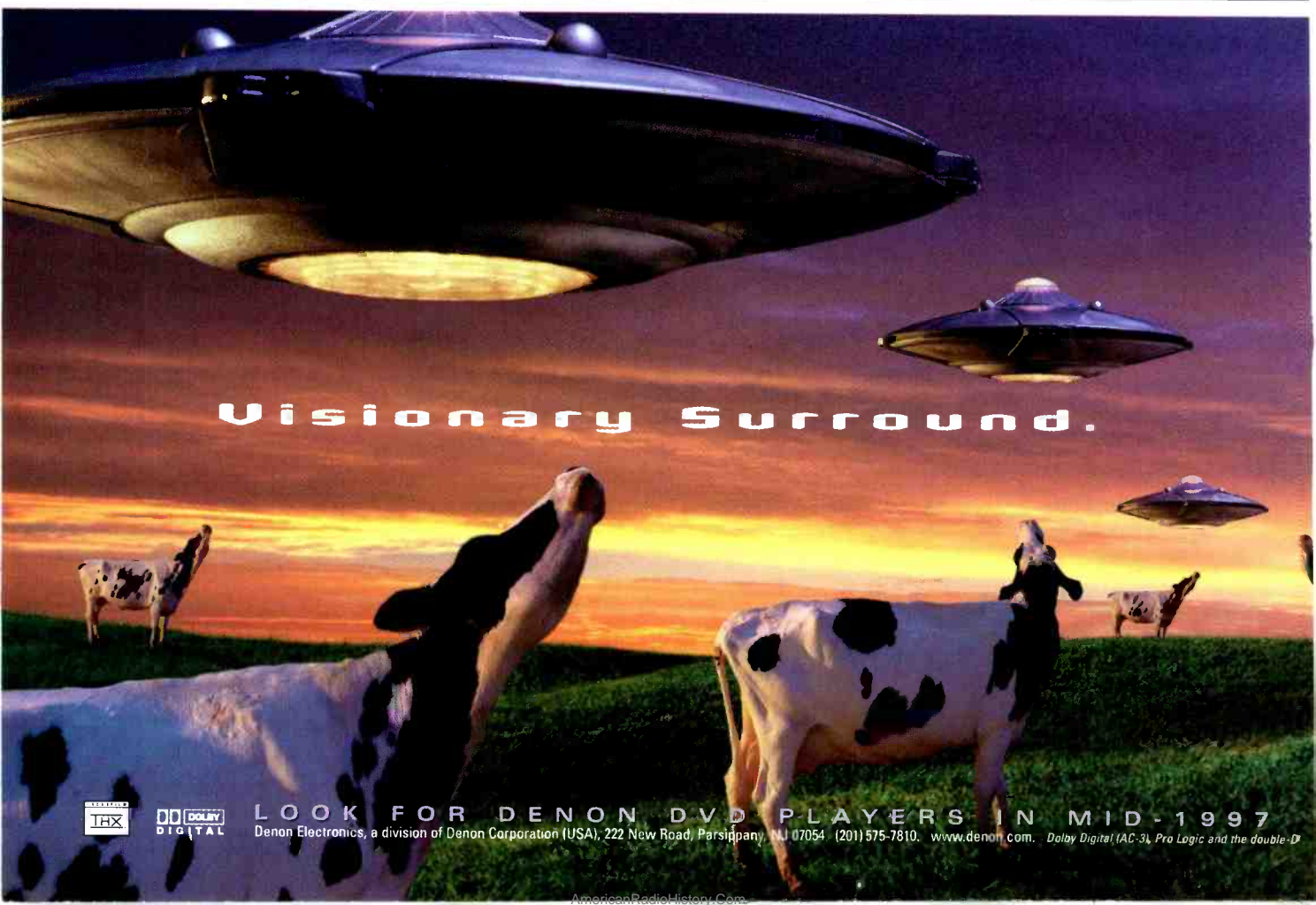
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# RECEIVERS

SURROUND PROCESSING D—Dolby Surround DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS O—Other	MANUFACTURER	Model (RI) = Remote Included, (RDS) = Remote Optional, (RDS) = Tuner Shows RDS Data	AMPLIFIER SECTION										TUNER SECTION							
			Number of Amplified Channels (Line-Level Subwoofer Output(s))	Average Watts/Ch. into 8 Ohms, Main/Center/Surround, All Channels Driven	THD, %, Main/Center/Surround	Rated Full-Power Bandwidth, Hz to kHz	MM Phono S/N, dB, A-Wtd.	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing — See Code	External Surround Decoder Inputs (AC-3 Ready?)	Total Number of Station Presets	Signal Strength for 50-dB Quieting, dBf, Mono/Stereo	Capture Ratio, dB	THD at 1 kHz, % Mono/Stereo, 100% Modulation	Alternate-Channel Selectivity, dB	Maximum S/N, dB, Mono/Stereo	Separation at 1 kHz, dB	Weight, Pounds (To Nearest Pound)	Price, \$
	ELITE (Continued)	VSX-05 VSX-04	5 S 5 S	100/100/100 100/100/100	0.8/0.8/0.8 0.8/0.8/0.8	20-20 20-20	75 75		4 3	DP/3 DP/O	No No	30 30	16.8/38.6 16.8/38.6	0.5/0.5 0.5/0.5	60 60		40 40	21 19	1000.00 600.00	
	FISHER	RS-929(RI) RS-909(RI) RS-920(RI)	5 S 5 S 5 S	115/115/57 65/65/32 80/80/40	0.09 0.09 0.09	40-20 40-20	75 75			DP DP DP		30 30 30		2.0 2.0	0.6/0.7 0.6/0.7	50 50	73/68 73/68	50 26 20	399.95 299.95 200.00	
	HARMAN KARDON	AVR85 AVR75 AVR55 AVR40 HK3250	5 S 5 S 5 S 5 S 2	85/85/85 70/70/70 55/55/55 55/55/25 40	0.07/ 0.05/0.05/0.05 0.09/0.7/0.7 0.09/0.7/0.7 0.09	20-20 20-20 20-20 20-20 20-20	70 70 70 70 70		5 5 4 3	DP/3/O DP/3/O DP/3/O DP/O	No No No No	30 30 30 30 30	13.5/ 13.5/ 40 40 40	2.0 2.0 2.0 2.0	0.2/0.5 0.2/0.5 0.3/0.5 0.3/0.5	65 65 65 65	76/68 76/68 70/65 70/65	33 31 29 27 18	1699.00 1499.00 1199.00 429.00 319.00	
	JVC	RX-8SD(RI) RX-992VBK(RI) RX-882VBK(RI) RX-772VBK(RI) RX-662VBK(RI) RX-552VBK(RI) RX318BK(RI)	5 S 5 S 5 S 4 S 4 S 4 S 2	80/80/20 into 4 Ohms 240/120/120 240/120/120 220/110/110 220/110/110 160/80/80 110	0.007/0.7/0.7 0.02/0.8/0.8 0.02/0.8/0.8 0.8/0.8/0.8 0.8/0.8/0.8 0.8/0.8/0.8 0.9	20-20 20-20 20-20 20-20 40-20 40-20 40-20	70 78 78 78 78 78 70		3 5 5 2 2 2	DP/O DP/O DP/O DP/O DP/O DP/O O		40 40 40 40 40 40 40	16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3	1.5 1.5 1.5 1.5 1.5 1.5	0.15/0.2 0.15/0.2 0.15/0.2 0.15/0.2 0.15/0.2	60 60 60 60 60 60	80/73 80/73 80/73 80/73 80/73 80/73	40 40 40 40 40 40 40	30 30 30 30 30 30 30	550.00 670.00 550.00 430.00 330.00 230.00 200.00
	KENWOOD	1090VR (RI & RDS) 1080VR (RI & RDS) 1070VR(RI) 1060VR(RI) 107VR 106VR 105VR 104AR 103AR	5 S 5 S 5 S 4 S 4 S 5 S 5 S 2 2	150/150/150 120/120/60 120/120/60 110/110/110 120/120/120 110/110/110 50/50/50 100 50	0.03/0.7/0.7 0.03/0.7/0.7 0.06/0.7/0.7 0.06/0.7/0.7 0.08/0.8/0.8 0.8/0.8/0.8 0.8/0.8/0.8 0.09 0.09	20-20 20-20 20-20 20-20 40-20 40-20 20-20 20-20 20-20	77 77 77 77 75 75 75 0 0		5 4 4 4 2 2 0 0 0	DP/3 DP/3 DP DP DP/O DP/O DP/O O O		40 40 40 40 40 40 40 40 40	/44.2 /44.2 /44.2 /41.2 /41.2 /41.2 /41.2	1.8 1.8 1.8	0.2/0.5 0.2/0.5 0.2/0.5 0.5/0.6 0.5/0.6 0.5/0.6 0.6/0.7	70 70 70 70 66 66 66 50 50	75/68 75/68 75/68 75/68 75/68 75/68 75/68 75/68 75/68	40 40 40 40 20 20 15 19 15	29 24 24 22 20 20 15 18 15	1200.00 700.00 500.00 400.00 300.00 250.00 200.00 180.00 150.00
	LIRPA LABS (Continued)	Wide (on steroids)			4 TD					QB				4 TD			260	500 to 1		



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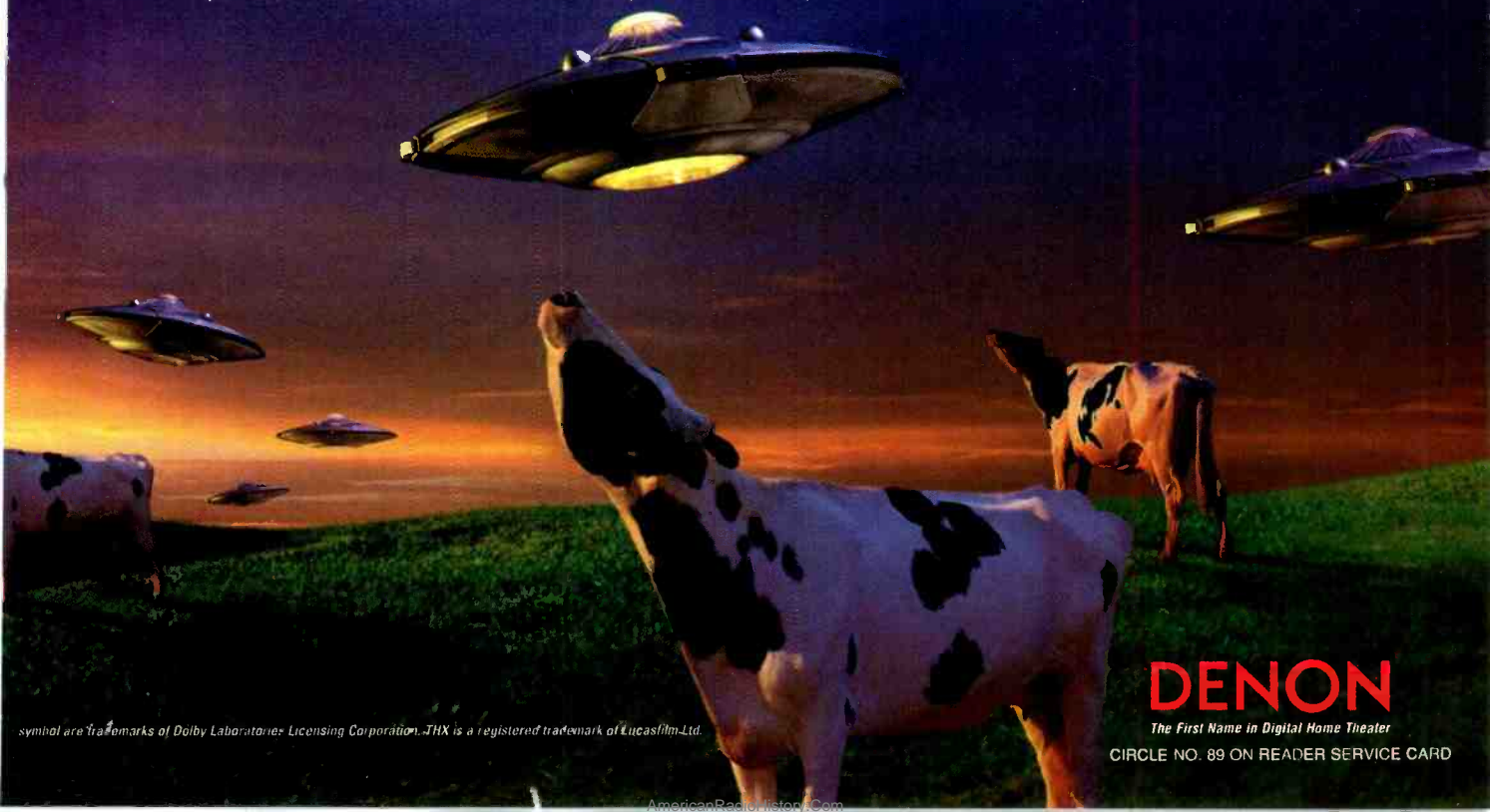


# RECEIVERS

SURROUND PROCESSING D—Dolby Surround DP—Dolby Pro Logic 3—Dolby Digital (AC-3) THX—Home THX Processing DTS—DTS O—Other	AMPLIFIER SECTION										TUNER SECTION									
	MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional, (RDS) = Tuner Shows RDS Data	Number of Amplified Channels (Line Level Subwoofer Output = S)	Average Waits (Ch. into & Outms. All Channels Driven)	THD, %, Main/Center/Surround	Rated Full-Power Bandwidth, Hz to kHz	MM Phono S/N, dB, A-Whd.	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing — See Code	External Surround-Decoder Inputs (AC-3 Ready)?	Total Number of Station Presets	Signal Strength for 50-dB Quieting, dBf, Mono/Stereo	Capture Ratio, dB	THD at 1 kHz, %, Mono/Stereo, 100% Modulation	Alternate-Channel Selectivity, dB	Maximum S/N, dB, Mono/Stereo	Separation at 1 kHz, dB	Weight, Pounds (To Nearest Pound)	Price, \$
LIRPA LABS (Continued)	Wide (off steroids)			0 TD					QB					0 TD				97	1 to 500.00	
LUXMAN	RV-371(RI) RV-357	5 4	75/55/50 80/80/30	0.04/0.04/0.05 0.08/0.08/0.5	20-20	80 74	1.5	2	DP DP	No	20 16	13.5/37.0 25/40.7	1.25	0.15/0.2 0.15/0.4	65	80/75 80/75	45	39 20	1749.00 795.00	
MARANTZ	SR-96(RI) SR-880(RI) SR-780(RI) SR-680(RI) SR-770(RI) SR-670(RI) SR-66 SR-63 CRD-1020	5 S 5 S 5 S 5 S 5 S 5 S 5 S 2 2	110/110/90 110/110/60 100/100/80 80/80/60 80/80/30 65/65/20 50/50/25 75 30	0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09	20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20	70 70		5 5 4 4 4 3 2	DP/THX DP/3 DP/3 DP/3 DP DP DP	Yes No No No	30 30 30 30 30 30 30 30 30	16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3 16.3/38.3	1 1 1 1 1 1 1 1.5	0.2/0.5 0.2/0.5 0.2/0.5 0.2/0.5 0.2/0.5 0.2/0.5 0.2/0.5 0.2/0.5 0.2/0.5	65 65 65 65 65 65 65 65 65	76/68 76/68 76/68 76/68 76/68 76/68 76/68 76/68 76/68	45 45 45 45 45 45 45 45 45	32 32 28 26 30 24 22 20 20	1600.00 1500.00 1200.00 1000.00 700.00 580.00 350.00 400.00 600.00	
MITSUBISHI	M-VR1000(RI) M-VR800(RI) M-VR600(RI) M-VR400(RI)	5 S 5 S 5 S 5 S	100/100/60 70/70/70 65/65/30 50/50/20	0.1/0.1/0.1 0.1/0.1/0.1 0.5/0.5/1.0 0.5/0.5/1.0	20-20 20-20 20-20 20-20			4 4 4 2	DP/3 DP/3 DP DP	No No No No	30 30 30 30	15.6/37.8 15.6/37.8 15.6/37.8 15.6/37.8	1.0 1.0 1.0 1.0	0.08/0.15 0.08/0.15 0.15/0.3 0.15/0.3	55 55 60 60	80/74 80/74 80/74 80/74	45 45 50 50	20 20 20 13	1499.00 1099.00 499.00 349.00	
NAD	AV716 AV713 AV711 712 710	5 S 5 S 5 S 2 2	80/55/20 50/50/15 40/40/20 25 20	0.08 0.08 0.08/0.08 0.03 0.03	20-20 20-20 20-20 20-20 20-20	75 80			DP DP DP		40 30 30 24 30	18/37.2 17.2/38.2 17.2/37.2 15/37 14/35	1.5 1.5 1.5 1.6 1.6	0.1/0.2 0.15/0.25 0.15/0.25 0.1/0.1 0.08/0.1	55 55 73/67 58 60	78/74 73/67 73/67 80/74 82/76	45 45 45 13 13	30 21 13 13	749.00 599.00 499.00 399.00 299.00	
NAKAMICHI	AV-1s(RI) AV-2s(RI) AV-3s(RI)	5 4 4	100/100/50 80/80/80 80/80/80	0.1/0.1/0.1 0.1/0.1/0.1 0.1/0.1/0.1	10-40 10-40 10-40			4 3 2	DP/O DP/O DP/O	Yes No No	30 30 30	17.0/38.5 17.0/38.5 17.0/38.5	2.0 2.0 2.0	0.3/0.4 0.3/0.4 0.3/0.4	45 45 45	74/68 74/68 74/68	35 35 35	33 26 24	850.00 650.00 500.00	
ONKYO	TX-DS939 TX-DS838 TX-SV636 TX-SV535 TX-SV444	5 S 5 S 5 S 5 S 5 S	100/100/100 90/90/50 85/85/30 65/65/25 75/75/25	0.03 0.08 0.08 0.08 0.08	20-30 20-30 20-30 20-30 20-30	80 80 80 80 80		7 4 4 3 2	D/DP/3/THX D/DP/3 D/DP D/DP D/DP	Yes No No No Yes	40 40 30 30 30	17.2/37.2 17.2/37.2 17.2/37.2 18.2/38.2 18.2/39.2	1.5 1.5 1.5 1.5 1.5	0.1/0.2 0.1/0.2 0.15/0.25 0.15/0.25 0.15/0.25	55 55 55 55 55	76/70 76/70 76/70 73/67 76/70	45 45 45 45 45	46 37 29 26 26	2799.95 1499.95 799.95 599.95 429.95	

3

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# RECEIVERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional, (RDS) = Tuner Shows RDS Data	Number of Amplified Channels (Line-Level Subwoofer Output - S)	AMPLIFIER SECTION										TUNER SECTION									
			Average Watts/Ch. into 8 Ohms, Main/Center/Surround, All Channels Driven	THD, % Main/Center/Surround	Rated Full-Power Bandwidth, Hz to kHz	MM Phono S/N, dB, A-Wid.	Dynamic Headroom, dB	Number of Video Inputs	Surround Processing — See Code	External Surround-Decoder Input (AC-3 Ready?)	Total Number of Station Presets	Signal Strength for 50-dB Quieting, dBi Mono/Stereo	Capture Ratio, dB	THD at 1 kHz, % Mono/Stereo, 100% Modulation	Alternate-Channel Selectivity, dB	Maximum S/N, dB, Mono/Stereo	Separation at 1 kHz, dB	Weight, Pounds (To Nearest Pound)	Price, \$			
ONKYO (Continued)	TX-SV434	5, S	55/55/20	0.08	20-30	80		2	D/DP		30	18.2/38.2	1.5	0.15/0.25	55	73/67	45	22	429.95			
	TX-8511	2	100	0.2	20-20	80		2			30	18.2/38.2	1.5	0.15/0.25	55	73/67	45	21	350.00			
	TX-8211	2	48	0.3	40-20	80		0			30	18.2/38.2	1.5	0.15/0.3	55	73/67	45	16	250.00			
OPTIMUS	STAV-3690(RI)	5, S	100/100/100	0.09/0.8/0.8	20-20			3	DP/O	No	30								499.99			
	STAV-3680(RI)	5, S	100/100/100	0.09/0.8/0.8	20-20			3	DP/O	No	30								349.99			
	STAV-3670(RI)	4, S	80/80/40	0.9/0.9/0.9	20-20			2	DP/O	No	30								299.99			
	STAV-3560(RI)	4	60/60	0.9	40-20	75		77	DP/O	No	30	16.8/38.6		/0.5	60	73/70	40	16	229.99			
	STAV-3500(RI)	2	100	0.9	40-20	77		77	DP/O	No	30								199.99			
	STA-795	2	50	0.5	40-20	66		0			18		2.0	/0.3		/68	40		149.99			
PIONEER	VSX-D906(RI)	5, S	100/100/100	0.8/0.8/0.8	20-20	80		5	DP/3	No	30	16.8/38.6		0.5/0.5	60		40	29	1210.00			
	VSX-D606S(RI)	5, S	100/100/100	0.8/0.8/0.8	20-20	75		4	DP/3	No	30	16.8/38.6		0.5/0.5	60		40	21	970.00			
	VSX-D506S(RI)	5, S	100/100/100	0.8/0.8/0.8	20-20	75		4	DP/O	No	30	16.8/38.6		0.5/0.5	60		40	20	550.00			
	VSX-466S(RI)	5, S	100/100/100	0.8/0.8/0.8	20-20	75		4	DP/O	No	30	16.8/38.6		0.5/0.5	60		40	20	500.00			
	VSX-456(RI)	5, S	100/100/100	0.8/0.8/0.8	20-20	75		3	DP/O	No	30	16.8/38.6		0.5/0.5	60		40	20	375.00			
	VSX-406(RI)	4, S	80/80/80	0.8/0.8/0.8	40-20	75		2	DP/O	No	30	16.8/38.6		0.5/0.5	60		40	16	310.00			
	VSX-305(RI)	4	60/60	0.8	20-20	72		2	DP/O	No	30	16.8/38.6		/0.5	60	73/70	40	16	290.00			
	SX-255R(RI)	2	100	0.9	40-20	72		0			30	16.8/38.6		/0.5	60	73/70	40	15	255.00			
	SX-205	2	100	0.9	40-20	72		0			30	16.8/38.6		/0.5	60	73/70	40	15	220.00			
	ROTEL	RX-950AX(RI)	2	50	0.03	20-20	82		2		Yes	16	14.8/37.2	1.0	0.07/0.25	63	80/75	46	20	599.90		
SANSUI	RZ-8150AV/ 8200AV	5	75/75/25	0.02	20-20	74		2	DP/O	No	30		1.5	0.4/0.5	50	70/65	40	25	699.00			
	RZ-5200AV	5	50/50/15	0.05	20-20	74		2	DP/O	No	40		1.5	0.4/0.5	50	68/65	40	21	499.00			
	RZ-3200AV	5	50/50/30	0.05	20-20			2	DP/O	No	30		1.5	0.5/0.6	50	68/65	40	13	399.00			
	RZ-2200AV	5	30/30/30	0.05	20-20			2	DP/O	No	20		1.5	0.3/0.5	50	76/70	40	18	329.00			
SHERWOOD	Newcastle R-945(RI)	5, S	100/100/100	0.02	20-20	77			DP/3/DTS	Yes	30	15/35.8	1.25	0.15/0.25	70	80/73	50	34	1299.00			
	Newcastle R-925(RI)	5, S	100/100/100	0.02	20-20	77		4	DP/3	Yes	30	15/35.8	1.25	0.15/0.25	70	80/73	50	34	999.00			
	Newcastle R-725(RI)	5, S	130/130/65	0.02	20-20	77		4	DP	Yes	30	15/35.8	1.25	0.15/0.25	70	80/73	50	34	799.00			
	Newcastle R-500(RI)	5	75/75/25	0.025	20-20	77	1.5	4	DP		30	15/36.2	1.25	0.15/0.3	55	80/73	45	25	649.00			
	Newcastle R-525(RI)	4, S	100/100/50	0.02	20-20	77		3	DP	No	30	15/36.2	1.25	0.15/0.25	70	80/73	50	25	649.00			
	Newcastle R-525(RI)	4	65/65/20	0.025	20-20	77	1.5	3	DP		30	15.2/37.5	1.25	0.2/0.3	55	78/72	45	22	549.00			
	Newcastle R-300(RI)	4	80/80/40	0.02	20-20	77		2	DP	No	30	15/36.2	1.25	0.15/0.25	70	80/73	50	25	499.00			
	Newcastle R-325(RI)	4	50/50/20	0.5	20-20		1.0	2	DP		30	16.2/38.1	2	0.2/0.3	52	77/71	45	13	449.00			
	Newcastle R-100(RI)	4	60/60/30	0.02	20-20	75		2	DP	No	30	16.2/38.1	2	0.2/0.3	55	77/71	45	20	349.00			
	Newcastle R-125(RI)	5	80/80/30	0.05	20-20	77	1.5		DP		30	15/35.8	1.25	0.15/0.25	55	80/73	48	25	599.00			
	RV-7050R(RI)	4, S	70/70/25	0.05	20-20	77	1.5		DP		30	15.2/37.5	1.25	0.2/0.3	55	78/72	45	22	499.00			
RV-4050R(RI)	4	50/50/20	0.5	20-20	77	1.0		DP		30	16.2/38.1	2	0.2/0.3	52	77/71	45	18	399.00				
RX-2050R(RI)	2	45	0.5	20-20	75	1.0		DP		30	16.2/38.1	2	0.2/0.3	52	77/71	45	13	299.00				
SONY	STR-DE1015G (RI)	5, S	100/100/100	0.9	20-20			5	DP/3/O	No	30	18.3/38.3		0.3/0.5		76/70	45	23	999.00			
	STR-DE 915(RI)	5, S	100/100/100	0.9	20-20			5	DP/3/O	No	30	18.3/38.3		0.3/0.5		76/70	45	22	799.00			
	STR-DE 815G (RI)	5, S	100/100/100	0.9	20-20			5	DP/3/O	Yes	30	18.3/38.3		0.3/0.5		76/70	45	22	499.00			
	STR-DE 715(RI)	5, S	100/100/100	0.9	20-20			3	DP/O	Yes	30	18.3/38.3		0.3/0.5		76/70	45	22	399.00			
	STR-DE 615(RI)	5, S	100/100/100	0.9	20-20			3	DP/O	Yes	30	18.3/38.3		0.3/0.5		76/70	45	22	349.00			
	STR-DE 515(RI)	5, S	100/100/50	0.9	20-20			2	DP/O	Yes	30	18.3/38.3		0.3/0.5		76/70	45	16	299.00			
	STR-DE 415(RI)	4, S	100/100/100	0.9	20-20			2	DP/O	No	30	18.3/38.3		0.3/0.5		76/70	45	16	249.00			
	STR-DE 315(RI)	4	60/60/60	0.1	20-20			2	DP	No	30	18.3/38.3		0.3/0.5		76/70	45	16	199.00			
	STR-DE 310(RI)	2	100	0.1	20-20			2		No	30	18.3/38.3		0.3/0.6		76/70	45	15	199.00			
	SONY ES	STR-DA 90ESG (RI)	5, S	100/100/100	0.05	20-20			5	DP/3/O	No	30	18.3/38.3		0.3/0.5		76/70	45		1600.00		
STR-DA 80ES (RI)		5, S	100/100/100	0.05	20-20			5	DP/3/O	No	30	18.3/38.3		0.3/0.5		76/70	45		1200.00			
STR-GA 8ES (RI)		5	120/120/50	0.09/0.8/0.8	20-20			5	DP/O	Yes	30	18.3/		0.3/	60	76/74	45	28	950.00			
STR-GA 7ES (RI)		5	90/90/40	0.09/0.8/0.8	20-20			5	DP/O	Yes	30	18.3/		0.3/	60	76/74	45	28	750.00			
TEAC	AG-V8080(RI)	4	100/70	0.7	20-20	70		2	D/DP/O	No	30	13.2/38	1.5	/0.7	75	70/76		29	459.00			
	AG-SV5150(RI)	4	100/60	0.07	30-15	70		2	D/DP	No	30	20.8/42.2	2.5	0.3/0.5		70/65	35	13	369.00			
	AG-360(RO)	2	50	0.9	50-20	80		1		No	24	14/22	3	/0.5		80/85		15	199.00			
	AG-260	2	28	0.03	50-20	75		1		No	24	22.1/42.1	2.5	0.5/0.9		65/62	35	12	179.00			
TECHNICS	SA-AX910(RI)	5, S	100/100/100	0.05	20-20	70	2		DP	Yes	30	18.3/38.3	1.0	0.2/0.3	65	75/70	40	21	450.00			
	SA-AX710(RI)	5, S	100/100/100	0.05	20-20	70	2		DP	Yes	30	18.3/38.3	1.0	0.2/0.3	65	75/70	40	21	400.00			
	SA-EX510(RI)	4, S	120/120/120	0.05	20-20	70	2		DP	No	30	18.3/38.3	1.0	0.2/0.3	65	75/70	40	21	300.00			
	SA-EX310(RI)	4, S	70/70/70	0.8	40-20	70			DP	No	30	18.3/38.3	1.0	0.2/0.3	65	75/70	40	14	200.00			
	SA-EX110(RI)	2	100	0.8	40-20	70	2			No	30	18.3/38.3	1.0	0.2/0.3	65	75/70	40	14	179.95			
	TOSHIBA	XB2000(RI)	5, S	100/100/100	0.09/0.09		75		4	DP/3/O	No	30	16.8/38.6		/0.5	60	73/70	40	36	1899.00		
XB1507(RI)		5, S	100/100/100	0.09/0.09		75		4	DP/3/O	No	30	16.8/38.6		/0.5	60	73/70	40	21	999.00			
YAMAHA	RX-V2092(RI)	7, S	100/100/100	0.02/0.02/0.02	20-20	86		5	DP/3/O	No	40	15.1/37.7	1.5	0.1/0.2	85	80/75	50	44	1599.00			
	RX-V992(RI)	5, S	80/80/80	0.04/0.07/0.3	20-20	86		5	DP/3/O	No	40	15.1/37.7	1.5	0.1/0.2	85	80/75	50	33	999.00			
	RX-V692(RI)	5, S	80/80/40	0.04/0.07/0.3	20-20	86		4	DP/O	Yes	40	15.1/37.7	1.5	0.1/0.2	85	80/75	50	28	699.00			
	RX-V592(RI)	5, S	75/75/35	0.04/0.07/0.3	20-20	85		4	DP/O	Yes	40	15.1/37.7	1.5	0.1/0.2	85							



# G R E A T.

WE DESIGN ONE OF THE WORLD'S MOST  
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Dolby Digital Decoding

Dual-Room/Dual Source Operation

5 Video Inputs/S-Video Connection

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Cool glowy buttons



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**KENWOOD**

CIRCLE NO. 67 ON READER SERVICE CARD

# TURNTABLES

MANUFACTURER	Model	Speeds—See Code	Wow & Flutter, % DIN 45-507	Rumble, -dB, DIN 45-539-B	Drive System	Speed Inaccuracy, ±%	Speed Adjustment Range, ±%	Controls Outside Dustcover?	TONEARM										Price, \$
									Type: Pivoted-P, Linear=L, Servo=S, Air-Bearing=A	Pivot-to-Slylus Distance, Inches	Auto Cue=C, Auto Return=R	Recommended Tracking Force Range, Grams	Anti-Skating Adjustable?	Cartridge Weight Range, Grams	Total Cable Capacitance, pF	Cartridge Mount: Fixed=F, Removable Shell=R, P-Mount=P	Dimensions, Inches, Including Dustcover (To Nearest Inch)		
AIWA	PX-E850	B	0.25		Belt		Yes	P		C/R							14 x 4 x 14	130.00	
AUDIOMECA	Romance J1	B			Belt		Yes	P				Yes			F	19 x 16 x 8	2595.00		
		B			Belt		Yes									20 x 18 x 8	4995.00		
AUDIO NOTE	AN/TT-1	B			Belt		Yes	P	9/4			Yes	2-10		F		795.00		
BASIS AUDIO	Debut Gold MKIII	B	0.02	90	Belt	0.02										23 x 17 x 7	8200.00		
	Debut Gold	B	0.02	90	Belt	0.02										23 x 17 x 7	10,600		
	Vacuum MKII	B	0.02	90	Belt	0.02										23 x 17 x 5	5400.00		
	Ovation MKII	B	0.02	90	Belt	0.02	Yes									16 x 16 x 6	3000.00		
	2001	B	0.02	90	Belt	0.02	Yes									16 x 16 x 6	2000.00		
	2000	B	0.02	90	Belt	0.02	Yes									16 x 16 x 7	5500.00		
2500	B	0.02	90	Belt	0.02	Yes									16 x 16 x 7	5500.00			
2800	B	0.02	90	Belt	0.02	Yes									16 x 16 x 7	7500.00			
CHADWICK MODIFICATIONS	TD 320 Super	B	0.03	85	Belt			P		C	1-3	Yes	2.5-1.0	300	F		850.00		
CLEARAUDIO	Reference Evolution	B			Belt	0.03	Yes	L			1.8-3	No	2-11		R	17 x 17 x 6	6500.00		
		B			Belt	0.03	Yes	L			1.5-2.5	No			F	17 x 15 x 4	2500.00		
DANIELS AUDIO	Saturn	B			Belt											20 x 15 x 10	2880.00		
DENON	DP-47F DP-23F DP-7F DP-26F (w/MM Preamp)	B	0.01	78	Direct	0.002	Yes	P/S	8.7	C/R	0-3	Yes	3-12		R	17 x 7 x 17	650.00		
		B	0.02	75	Direct	0.002	Yes	P/S	8.7	C/R	0-3	Yes	4-9		R	17 x 5 x 15	425.00		
		B	0.018	75	Direct	0.01	Yes	P/S	8.7	C/R	1.25	Yes	6		R	15 x 4 x 15	325.00		
		B	0.12		Belt	0.01	Yes	P	8.1	C/R	3.5	No	6		F	15 x 4 x 14	150.00		
		B	0.07	70	Belt		No	P		C/R	1-4	Yes	3-10	150	R	18 x 6 x 15	375.00		
DUAL	CS-455 CS-450 CS-435 CS-431 CS-415	B	0.07	70	Belt		No	P		C/R	1-4	Yes	3-10	150	R	18 x 6 x 15	375.00		
		B	0.07	70	Belt		No	P		C/R	1-4	Yes	3-10	150	R	18 x 6 x 15	375.00		
		B	0.08	70	Belt		No	P		C/R	1-4	Yes	3-10	150	R	18 x 6 x 15	270.00		
		B	0.08	70	Belt		No	P		C	1-4	Yes	3-10	150	R	18 x 6 x 15	270.00		
		B	0.10	70	Belt		No	P		C	1-4	Yes	3-10	150	R	18 x 6 x 15	355.00		
ESOTERIC SOUND	MUT RA-6 (w/Cartridge) Vintage Ramses (w/Cartridge) Ramses II Aten Broadcast Transcription (w/Cartridge) BES	C	0.1	60	Belt	0.02	7	No	P	8 1/2	R	1.25-3.5	No	6	300	P	17 x 13 x 4	215.00	
		C	0.08	60	Belt	0.02	7	No	P	8 1/4	R	2-5	Yes	2-10	250	R	17 x 14 x 5	285.00	
		C	0.06	70	Belt	0.02	8	No	P	9 1/4	R	1.25-3.5	No	6	250	P	17 x 15 x 4	394.00	
		C	0.15	70	Belt	0.02	15	No	P	9 1/4	C	1.25-5	Yes	2-10	200	R	18 x 14 x 6	445.00	
		D	0.15	70	Belt	0.02	15	No	P	9 1/4	C	1.25-5	Yes	2-10	200	R	18 x 14 x 6	475.00	
		C	0.15	70	Belt	0.02	15	No	P	9 1/2	No	1.25-5	No	2-10	200	R	18 x 14 x 6	545.00	
FISHER	MT 420	B	0.2	58	Belt	0.9	Yes	P	8 1/4	R	3			380	F	16 x 14 x 4	99.95		
		w/rms																	
IMMEDIA	RPM-2 RPM-1	B			Belt												19 x 15 x 6	5995.00	
		B			Belt													19 x 15 x 6	2495.00
JVC	ALA158BK	B	0.04		Belt		Yes	P/S	8.8	R	1.25				P	5 x 18 x 15	119.95		
KAB ELECTRO-ACOUSTICS	Broadcast Standard SLBD78	C	0.025	78	Direct	0.002	8	No	P	9 1/4	No	1-8	Yes	6-10	200	R	18 x 6 x 14	625.00	
		C	0.06	70	Belt	0.01	6	Yes	P	9 1/4	R	1.25	Yes	6.0	200	P	17 x 4 x 15	299.95	
KENWOOD	KD-492FC KD-291RC	B	0.05	68	Belt		Yes	P	8 3/4	C					F	17 x 15 x 4	120.00		
		B	0.05	68	Belt		Yes	P	8 3/4	R					F	17 x 15 x 4	80.00		
LINN	LP12/Lingo LP12/Valhalla LP12/Baski	B			Belt	0.01		No									18 x 14 x 6	3045.00	
		A			Belt	0.03		No									18 x 14 x 6	2045.00	
		A			Belt	0.1		No									18 x 14 x 6	1690.00	
MERRILL AUDIO	Heirloom B1	B	0.01	100	Belt	0.01	Yes									19 x 15 x 4	1492.00		
J. A. MICHELL	Mycro Gyrodec MkIII Gyrodec MkIII QC PSU Gyrodec MkIII LE Gyrodec MkIII LE QC PSU Orbe	B	0.05	77	Belt	0.22	No	P				Yes			F	18 x 5 x 13	1395.00		
		B	0.05	80	Belt	0.01	No									20 x 6 x 16	1795.00		
		B	0.05	80	Belt	0.01	No									20 x 6 x 16	2545.00		
		B	0.05	80	Belt	0.01	No									20 x 6 x 16	1995.00		
		B	0.05	80	Belt	0.01	No									20 x 6 x 16	2745.00		
		C	0.07	79	Belt	0.67	No									20 x 8 x 16	4200.00		
MICRO SEIKI	RX-1500 VG RX-1500 FVG SX-5000 II SX-8000 II	B	0.04	79	Belt	0.02	4	Yes									5495.00		
		B	0.04	79	Belt	0.02	4	Yes								7495.00			
		C	0.03	81	Belt	0.01	4	Yes								12 x 12 x 6	19.995		
		C	0.03	81	Belt	0.01	4	Yes								12 x 12 x 6	29.995		
NAD	533	B			Belt		0	No	P	8 1/4		0.75-3	Yes	0-3	100	F	16 x 4 x 14	399.00	
ONKYO	CP-1400A (w/Cartridge)	B	0.045	66	Belt	0.03	Yes	P	8 3/4	C	2	Yes	5-9		R	17 x 15 x 5	199.95		
OPTIMUS	LAB-1000 (w/Cartridge)	B	0.23	55	Belt	0.3	+3,-2	P	7.7	C/R	1.5-2.2	No		300	R	15 x 14 x 14	99.99		
OPUS 3	Continuo	B	0.06	86	Belt	0.02		L				No	2-10		F	20 x 14 x 8	2595.00		
ORACLE	Delphi MkV Paris	B	0.009	84	Belt	0.014	3	No								19 x 15 x 6	2775.00		
		B	0.15	78	Belt	0.025	3	No								19 x 15 x 6	1000.00		



# TURNTABLES

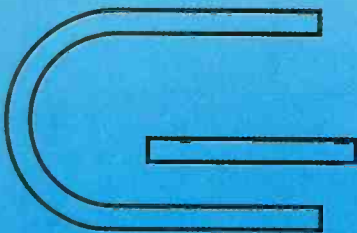
MANUFACTURER	Model	Speeds—See Code	Wow & Flutter, % DIN 45-507	Rumble, -dB, DIN 45-539-B	Drive System	Speed Inaccuracy, ±%	Speed Adjustment Range, ±%	Controls Outside Dustcover?	TONEARM										Dimensions, inches, including Dustcover (No Nearest Inch)	Price \$
									Type: Pivoted=P, Linear=L, Servo=S, Air-Bearing=A	Pivot-to-Stylus Distance, Inches	Auto Cue=C, Auto Return=R	Recommended Tracking Force Range, Grams	Anti-Skating Adjustable?	Cartridge Weight Range, Grams	Total Cable Capacitance, pF	Cartridge Mount: Fixed=F, Removable Shell=R, P Mount=P				
PINK TRIANGLE	Anniversary	C	0.05	80	Belt	0.01	5	Yes										7 x 18 x 18	4795.00	
	Tarantella	B	0.08	78	Belt	0.02	5	Yes										6 x 12 x 12	995.00	
	Tarantella "B"	B	0.08	78	Belt	0.02	5	Yes	L										1995.00	
PIONEER	PL-990	B	0.25		Belt							2.5-4.5						18 x 7 x 16	160.00	
PLUTO AUDIO	Carbon 10A	B	0.001	80	Belt														10.395	
	Special Titanium 11A	B	0.001	89	Belt														18.295	
	Special Composite 12A	B	0.005	80	Belt														6195.00	
PRO-JECT BY SUMIKO	1.2	B	0.15	70	Belt			No	P	9½					Yes		F	17 x 13 x 5	395.00	
	6.1	B	0.15	70	Belt			No	P	9½					Yes		F	19 x 14 x 7	695.00	
REGA RESEARCH	Planar 2 (w/RB250 Arm)	B			Belt			No	P	9½		0.75-2.5				120	F	17 x 14 x 5	495.00	
	Planar 3 (w/RB300 Arm)	B			Belt			No	P	9½		0.75-2.5	Yes			120	F	17 x 14 x 5	695.00	
	Planar 9 (w/RB900 Arm)	B			Belt			No	P	9½		0.75-2.5	Yes			80	F	17 x 14 x 5	2595.00	
	Planar 78 (w/RB250 Arm)	†			Belt			No	P	9½		0.75-2.5	Yes			120	F	17 x 14 x 5	450.00 178 rpm	
ROCKPORT TECHNOLOGIES	Capella II	B	0.02	96	Belt	0.015		Yes	Yes	A	6½	0.5-3.5		3-15			F	24 x 18 x 8	7500.00	
	Capella II Limited Edition	B	0.02	96	Belt	0.015		Yes	Yes	A	6½	0.5-3.5		3-15			F	24 x 18 x 8	28,350	
	System III Sirius	B	.00005	120	Direct	.00002		Yes	A	7		0.5-3.5		3-15			F	24 x 19 x 32	53,500	
ROKSAN AUDIO	Radius 3	B	0.04	79	Belt	0.3	0.5	Yes	Yes									18 x 14 x 5		
	Xerxes X	B	0.02	80	Belt	0.15	0.2	Yes	Yes									18 x 14 x 6		
	TMS	B	0.02	80	Belt	0.15	0.2	Yes	Yes									18 x 15 x 6		
SME BY SUMIKO	20 MkII	C			Belt		10	Yes										17 x 13 x 7	8000.00	
	30 MkII	C			Belt		10	Yes										18 x 14 x 9	22,000	
SONY	PS-LX300H (w/Arm)	B	0.1		Belt			Yes										18 x 7 x 14	399.00	
	PS-LX56	B			Belt		2	Yes	P									17 x 14 x 5	100.00	
	PS-LX150	B			Belt		2	Yes	P		R						14 x 14 x 4	100.00		
SYMPHONIC LINE	RG 6 Reference System	B			Belt		70	Yes											21,000	
	Adagio	B			Belt		20	Yes										20 x 16 x 3	4600.00	
TEAC	P-595	B	0.1 wrms	55	Belt			Yes			R	1.0-1.50			4.0		F	17 x 4 x 1	129.00	
	PA-400	B	0.12 wrms	66	Belt			Yes	P/S	8¼	R	1.0-1.50			4.0		F	14 x 4 x 14	129.00	
TECHNICS	SL-1200MK2	B	0.025	78	Direct		8.0	No	P	9½		0.2-5	Yes	3-9.5		R	18 x 7 x 15	599.95		
	SL-BD22K	B	0.045	70	Belt		6	Yes	P	9½	R	1.25	No	6	90	P	17 x 4 x 15	189.95		
	SL-BD20	B	0.045	70	Belt			Yes	P	9½	R	1.25	No	6	90	P	17 x 4 x 15	159.95		
THORENS	TD 180 III (w/Stanton 500III Cartridge)	C	0.045	70	Belt		0	No	P		R		Yes	4-10	150	F	6 x 13 x 17	473.00		
	TD 280 IV (w/Stanton 500III Cartridge)	B	0.045	70	Belt		0	No	P		C		Yes	4-10	150	R	6 x 13 x 17	540.00		
	TD 318 III	B	0.04	70	Belt		0	No	P		C		Yes	4-10	120	R	7 x 14 x 18	925.00		
	TD 320 III	B	0.04	72	Belt		0	No	P		C		Yes	4-10	120	R	7 x 14 x 18	1080.00		
	TD 520 (w/SME-312 Arm)	C	0.035	72	Belt		0	No	P		C		Yes	4-10	120	R	7 x 18 x 21	5770.00		
TOWNSHEND AUDIO	Rock MKIII	B	0.06	83	Belt	0.01	0	Yes										17 x 15 x 4	1795.00	
	Rock Deluxe	B	0.06	85	Belt	0.01	0	Yes										19 x 17 x 4	3995.00	
J. C. VERDIER	La Platinie Verdier	B/D			String	0.0025	8	Yes										17 x 15 x 9	From 8500.00	
VPI	HW-19JR	B	0.03	79	Belt	0.05		No										22 x 17 x 6	650.00	
	HW-19 MKIII	B	0.03	79	Belt	0.05		No										22 x 17 x 6	1250.00	
	HW-19 MKIV	B	0.03	81	Belt	0.03		No										22 x 17 x 7	1850.00	
	Aries	B	0.02	86	Belt	0.02		No										22 x 16 x 5	2200.00	
	TNT Junior	B	0.02	84	Belt	0.02		No										25 x 19 x 8	2800.00	
	TNT Series 2.5	D	0.01	86	Belt	0.01		No										25 x 19 x 8	4200.00	
	TNT Series 3	D	0.01	90	Belt	0.01		No										25 x 19 x 8	5000.00	
TNT-4	D				Belt	0.01		No									32 x 19 x 8	6400.00		
WELL TEMPERED LAB	Record Player	B			Belt				P	9.2		0.75-2.5	No				F	19 x 16 x 6	1695.00	
	Classic	B			Belt				P	9.2		0.75-2.5	Yes				F	19 x 16 x 7	2795.00	
	Super	B			Belt				P	9.2		0.75-2.5	Yes				F	19 x 16 x 7	3695.00	
	Reference	B			Belt				P	9.2		0.75-2.5	Yes				F	19 x 16 x 7	4995.00	
WILSON BENESCH	ACT 1(w/External Power Supply)	B	0.058	78	Belt	0.01	3	Yes	P	9¼		1-3	Yes	4-16	220	F	19 x 15 x 6	5795.00		
	ACT 2(w/External Power Supply)	B	0.058	78	Belt	0.01	3	Yes	P	9¼		1-3	Yes	4-16	220	F	19 x 15 x 6	6395.00		
	Circle	B	0.08	78	Belt	0.02		No									12 x 12	From 1695.00		
WIN RESEARCH	SDC-10 (w/Arm)	B	0.05	85	Direct	0.08	5	Yes	P	16			Yes	2.5-10		F		6500.00		

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# TONEARMS

MANUFACTURER	Model	Type: Air-Bearing=A, Pivoted=P, Linear=L	Cartridge Mount: Fixed=F, Removable Shell=R, Changeable Wand=W	Cueing?	Anti-Skating Adjustment?	Adjustable Vertical Tracking Angle?	Pivot-to-Stylus Distance, Inches	Overall Length, inches	Maximum Tracking Error, Degrees per inch	Recommended Tracking Force Range, Grams	Cartridge Weight Range, Grams	Total Cable Capacitance, pF	Mounting Hole Diameter, Inches	Price, \$	Notes
AUDIO CRAFT	AC-3300 AC-4400	P P	W W	Yes Yes	Yes Yes	Yes Yes	9/4 11	13 14 3/4	0.5-2.7 0.5-2.7		60 60	1 3/8 1 3/8		1500.00 1800.00	Unipivot design.
AUDIOMECA	SL5	L	R	Yes		Yes	8	9.8						3495.00	
AUDIO NOTE	AN-Arm 1	P	F	Yes	Yes	No								449.00	Copper wire; with silver wire, AN-Arm 2, \$795.00.
AUDIOQUEST	PT-6 PT-7 PT-8	P P P	F F F	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	8 1/4 8 1/4 8 1/4	11 11 11	0-3 0-3 0-3	3-12 3-12 3-12	72 118 125	1 1/4 1 1/4 1 1/4		495.00 625.00 750.00	Adjustable viscous damping. As above. As above.
BASIS AUDIO	RB300	P	F	Yes	Yes	Yes	9 1/2	11 1/8		0.75-2.5				595.00	With Basis turntable, \$495.00.
CLEARAUDIO/ SOUTHER	TQ-1	L	R	Yes	No	Yes			1-3.5	5-11		2x4		2500.00	Old Southerns upgraded to TQ-1, \$600.00.
DENNESEN	ABLT-1	A	W	Yes		Yes	Adj.	12	0	Adj.	Any			2000.00	
EMINENT TECHNOLOGY	2.5	A	W	Yes		Yes	7 3/8	10 3/4	0	0-5	0-16			2500.00	Includes air pump; optional fluid damping, \$95.00.
GRAHAM ENGINEERING	1.5 Basic 1.5t 1.5t/c 1.5t/c LP-12 2	P P P P P	W W W W W	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	9/4 9/4 9/4 9/4 9/4	11 1/2 11 1/2 11 1/2 11 1/2 11 1/2	1.0 1.0 1.0 1.0 1.0	0.90-3.0 0.90-3.0 0.90-3.0 0.90-3.0 0.90-3.0	4-20 4-20 4-20 4-20 4-20	140 140 140 140 140	1 1/8 x 2 3/4 1 1/8 x 2 3/4 1 1/8 x 2 3/4 1 1/2	1996.00 2500.00 2750.00 2750.00 3000.00	Upgradable to Model 1.5t/c. As above; includes cartridge and azimuth alignment gauges; tungsten side weights; SME-compatible mounting. Includes cartridge and azimuth alignment gauges; tungsten side weights; SME-compatible mounting; SW-3 ceramic armtube. Mass optimized for Linn LP-12; custom armboard, \$150.00; upgrade to Model 2, \$600.00. Tungsten bearing housing; fine and coarse VTA scales.
IMMEDIA	RPM-2	P	F	Yes	Yes	Yes	9.36	10		0.5-3.0	4-14		1/4	2495.00	Unipivot bearing; adjustable overhang, horizontal angle, and azimuth.

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## The Model of Perfection



### Graham Model 2 Tonearm

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Woburn, Massachusetts 01801  
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CIRCLE NO. 19 ON READER SERVICE CARD



# TONEARMS

MANUFACTURER	Model	Type, Air-Bearing=A, Pivoted=P, Linear=L	Cartridge Mount, Fixed-F, Removable Shell=R, Changeable Wards=W	Circling?	Anti-Skating Adjustment?	Adjustable Vertical Tracking Angle?	Pivot-to-Stylus Distance, Inches	Overall Length, Inches	Maximum Tracking Error, Degrees per Inch	Recommended Tracking Force Range, Grams	Cartridge Weight Range, Grams	Total Cable Capacitance, pF	Mounting Hole Diameter, Inches	Price, \$	Notes
LINN	Ekos Akito	P P	F F	Yes Yes	Yes Yes	Yes Yes	8% 8%	9 9	0-3 0-3	4-9 2-10	220 100	1¼ 1¼	2595.00 495.00		
MÖRCH	UP-4 DP-6 DP-6T	P P P	W W W	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	9% 9% 12½%	11¼ 11¼ 14¼	0.75-3 0.75-3 1.0-3.5	3-15 3-15 2-15	128 128 128	⅞ ⅞ ⅞	745.00 From 1290.00 From 1950.00	Copper wire, with silver wire, \$795.00; choice of six armtubes; unipivot. Armtube choice as above; dual bearings. Continuous VTA adjustment.	
NAIM AUDIO	ARO	P	W	No	Yes	Yes	9	11½		5.5-12		¾	2150.00	Unipivot design.	
OPUS 3	Cantus	L	F	Yes	No	No			1.3				995.00		
ORACLE	Finale	P	F	Yes	Yes	Yes	9%	11	1-2.5	4-12	300		1995.00		
PINK TRIANGLE	Brava	L	W	Yes		Yes	8%	3	0.75-3.0	5-12	260	⅞	995.00		
PLUTO AUDIO	7A Special 9A Special				Yes Yes				2.0 2.0	0.5-4.0 0.5-4.0	30 30	1½x 2¼ 1½x 2¼	8795.00 12,195	Gold internal wiring and XLO external phono cables; titanium, stainless steel, carbon fiber, copper, and ceramic armtube. As above.	
REGA RESEARCH	RB 250 RB 300 RB 900	P P P	F F F	Yes Yes Yes	Yes No Yes	No No No	9½ 9½ 9½	11½ 11½ 11½	0.75-2.5 0.75-2.5 0.75-2.5		120 120 80		275.00 375.00 995.00		
ROCKPORT TECHNOLOGIES	Series 7000	A	F	Yes		Yes	6%	9%	0	0.5-3.5	3-15		6750.00	Adjustable viscous damping.	
ROKSAN AUDIO	Tabriz Tabriz 21 Artemiz	P P P	F F F	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	8.76 8.76 8.76	11.4 11.4 11.4	1.7 1.7 1.7	1.2-3.0 1.5-3.0 1.5-3.0	4-12 4-12 4-12	200 150 150	0.9 0.9 0.9		
RS LABORATORIES	RS-A1	P	F	No	No	Yes	9%	10%	1-3	3-15			750.00	No mounting hole required.	
SIMPLYPHYSICS	Lin-E-Air	A/L	F	Yes	No	Yes	6%	7¼	0	1.25-2.25	4-12	¼	2500.00		
SME BY SUMIKO	Series 309 Series IV.Vi Series V	P P P	R F F	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	9% 9% 9%	11% 11% 11%	0-3 0-3 0-3	4-18 4-18 4-18	140 140 140	1½x 2¼ 1½x 2¼ 1½x 2¼	1195.00 1995.00 2550.00	ABEC-3 bearings; damped aluminum casting. ABEC-7 bearings; damped magnesium casting; adjustable static tracking. Bearings and casting as above; adjustable dynamic and static tracking.	
TOWNSHEND AUDIO	Excalibur Townshend 300	P P	F F	Yes Yes	Yes Yes	Yes Yes	8% 9%	8% 11%	.066 1.0	0.05-5 0.5-2.5	4-20 4-20	300 300	1 1	1600.00 825.00	Front outrigger damping; for Townshend Audio Rock turntables. As above.
TRIPLANAR	Triplanar IVi	P	F	Yes	Yes	Yes	9%	12	0.3	0.75-2.5	4-25		From 2495.00	Azimuth and VTA adjustable; silicone damping trough; aluminum armtube; with black anodized armtube, Triplanar V, from \$2550.00.	
VPI	JMW-10 JMW-12	P P	W W	Yes Yes		Yes Yes	10 12	12% 14%	1.62 0.94		4-14 5-16		2300.00 2800.00	Unipivot bearing.	
WELL TEMPERED LAB	Record Player Classic Reference	P P P	F F F	Yes Yes Yes	No Yes Yes	Yes Yes Yes	9.2 9.2 9.2	12.2 12.2 12.2	0.75-2.5 0.75-2.5 0.75-2.5				795.00 1095.00 1795.00	Azimuth adjustable, damped. As above. As above.	
WILSON BENESCH	ACT 1 ACT 2	P P	F F	Yes Yes	Yes Yes	Yes Yes	9% 9%	11 11	1-2.5 1-2.5	4-16 4-16	220 220	1.18 1.18	2195.00 2795.00	Kinematic location bearing system; carbon fiber; optional Stage One head amp, \$1500.00. As above.	

# PHONO CARTRIDGES

MANUFACTURER	Model	Frequency Response, Hz to kHz, ±dB	Principle, Moving Iron=MI, Induced Magnet=IM, Moving Coil=MC, Moving Magnet=MM	Individual Response Curve Supplied?	Channel Separation at 1 kHz, dB	Channel Separation at 10 kHz, dB	Output at 1 kHz, mV, 5 cm/sec rms Lateral Velocity	Recommended Tracking Force Range, Grams	Recommended Load Capacitance, pF	Stylus Type—See Code	Stylus Radius (Radius), Mills	Dynamic Compliance, µm/mN, Vertical/Lateral	Stylus Replacement: User=U, Factory=F	Mounting, Integral/Shell=I, P-Mount=P, Standard=S	Weight, Grams	Price, \$	Replacement Stylus Price, \$
AUDIO BY VAN ALSTINE	Longhorn	10-55 ±1.5	IM	No	30	25	5.6	1.5-2.0	E	0.3 x 0.6		U/F	S	8	99.00	49.00	
AUDIO CRAFT	AC-03	10-50	MC	No	28		0.33	2.0-2.4	E		10/10	F	I	8.5	1850.00; w/brush, 1995.00		
AUDIO NOTE	IQ/1 IQ/2 IQ/1 IQ/2		MC MC MM MM		25 25		0.05 0.05	1.8-2.2 1.8-2.2	V V V V		15/10 15/10	F F U U	S S S S	11 18	1895.00 2895.00 195.00 295.00	1495.00	



# PHONO CARTRIDGES

MANUFACTURER	Model	Frequency Response, Hz to kHz, ±dB	Principle: Moving Iron=MI, Induced Magnet=IM, Moving Coil=MC, Individual Response Curve Supplied?	Channel Separation at 1 kHz, dB	Output at 1 kHz, mV, 5 cm/Second rms Lateral Velocity	Recommended Tracking Force Range, Grams	Recommended Load Capacitance, pF	Stylus Type—See Code	Stylus Radius (Radii), Mils	Dynamic Compliance, $\mu\text{m}/\text{mm}$ , Vertical/Lateral	Stylus Replacement: User=L, Factory=F, P-Mount=P, Standard=S	Weight, Grams	Price, \$	Replacement Stylus Price, \$			
AUDIOQUEST	AQ 4000 AQ 7000Fe5	10-50 10-50	MC MC	No No	30 30	25 25	1.7 0.55	1.9 1.9	X X	0.3 x 1.6 0.3 x 1.6	F S	S S	9.5	1595.00 2795.00	1195.00 2050.00		
AUDIO-TECHNICA	ATOC9 ML150 AT300P AT301EP AT311EP AT316EP AT331LP  AT70L AT71ELC AT120ET AT440ML ATP-2XN (w/2 Styli) CN5625AL AT3482P AT3482H/U AT90CD AT91ECD AT92ECD	15-50 10-30 20-22 15-25 15-27 10-27 10-30  20-20 20-22 15-25 5-32 15-22 20-20 20-20 20-20 20-20 15-25 15-27	MC MM MM MM MM MM MM  MM MM MM MM MM MM MM MM MM	Yes No No No No No No  No No No No No No No No No	31 31 26 26 29 29 31  20 22 29 30 23 23 24 24 24 26 26 29	21 21 16 17 18 18 21  15 17 20 20 17 15 15 15 17 18	0.4 4.0 5.0 5.0 5.0 5.0 3.0  3.5 3.5 5.0 5.0 5.3 4.2 5.0 5.0 3.5 3.5 3.5 3.5	1.25-1.75 0.95-1.55 1.0-1.5 1.0-1.5 1.0-1.5 1.0-1.5 1.0-1.6  1.5-2.5 1.0-2.0 1.0-1.8 0.8-1.6 3-5 1.5-3.0 1.0-1.5 1.0-1.5 1.0-1.5 1.0-1.5 1.0-1.5	100-200 100-200 100-200 100-200 100-200 100-200 100-200  100-200 100-200 100-200 100-200 100-200 100-200 100-200 100-200 100-200	X M C F F F X  C F F M F  C C C C F F	0.2 x 0.7 0.6 0.4 x 0.7 0.3 x 0.7 0.3 x 0.7 Linear Contact 0.6 0.4 x 0.7 0.3 x 0.7 0.4 x 0.7 0.4 x 0.7 0.3 x 0.7	F U U U U U U  U U U U U U U U	S S P/S P/S P/S P/S P/S  S S S S S S S S	7.8 7 6 6 6 6 6  5.5 5.5 6.4 6.5 7.2 5 6 6 6 6 6	400.00 400.00 69.00 79.00 89.00 109.00 149.00  59.00 69.00 109.00 219.00 129.00 29.00 39.00 39.00 49.00 59.00 69.00	300.00 29.00 39.00 39.00 29.00 49.00	
BENZ-MICRO	MC Ruby 2 MC Reference MC H20 MC M0.9 MC L0.4 Glider Glider HO MC Gold MC Silver MC 20E 2	10-50 ±0.5 10-50 ±0.5 10-50 ±0.5 10-50 ±0.5 10-50 ±0.5 10-50 ±0.5 10-50 ±0.5 20-40 ±0.5 20-40 ±0.5 15-40 ±0.5	MC MC MC MC MC MC MC MC MC MC	Yes Yes Yes Yes Yes Yes Yes No No No	40 40 40 40 40 40 40 30 30 25	30 30 30 30 30 30 30 30 30 25	0.45 0.56 2.8 1.25 0.85 1.25 2.8 0.56 2.8 2.8	1.8-2.5 1.8-2.5 1.8-2.5 1.8-2.5 1.8-2.5 1.8-2.5 1.8-2.2 1.8-2.2 1.8-2.2 1.7-2.3	180	E E E E E E E E E E	0.3 x 0.7 0.3 x 0.7 0.3 x 0.7 0.3 x 0.7 0.3 x 0.7 0.16 x 3.15 0.3 x 0.7 0.3 x 0.7 0.3 x 0.7 0.3 x 0.7	15/15 15/15 15/15 15/15 15/15 15/15 15/15 15/15	F F F F F F F F F U	S S S S S S S S S S	8.6 8.6 8.6 8.6 8.6 6.2 6.5 5.7 5.7 4	3000.00 2500.00 1200.00 1200.00 1200.00 750.00 750.00 350.00 350.00 150.00	500.00 500.00 500.00 500.00 500.00 400.00 400.00 195.00 195.00 95.00
CARDAS AUDIO	Cardas Heart	7-50 ±1	MC	Yes	40	30	0.45	2.0-2.1	145	E	0.3 x 0.7	15/15	F	S	8.4	2775.00	1200.00
CHADWICK MODIFICATIONS	X-5 Super	10-40	MC		50	40	2.1	2		V			F	S	2	400.00	200.00
CLEARAUDIO	Gamma Signature Accurate Insider		MC MC MC MC	Yes Yes Yes Yes	30 35 40 45		0.7 0.7 0.7 0.7	1.8-2.8 1.8-2.8 1.8-2.8 1.8-2.8		0.2 x 1.6 0.2 x 1.6 0.2 x 1.6 0.2 x 1.6	15/15 15/15 15/15 15/15	F F F F	S S S S	10 10 10.5 11	1150.00 2400.00 4100.00 7600.00	575.00 1200.00 2050.00 3800.00	
DENON	DL-160 DL-110	20-50 20-46	MC MC		28 25		1.6 1.6	1.5-2.1 1.5-2.1					F F	S S	4.8 4.8	180.00 140.00	108.00 84.00
DESKADEL	Allacor MC1 Eco Allacor MC1S Allacor MC1S MKII Allacor MC2 Finish	10-50 10-50 5-80 3-100	MC MC MC MC		50 50 50 70	40 50 60 60	0.5 0.5 0.5 0.15	1.8 1.8 1.8 1.8	150 150 150	X X X X	0.3 x 0.7 0.3 x 0.7 0.3 x 0.7 0.3 x 0.7	F F F F	S S S S	10 10 10 10	1495.00 2850.00 4300.00 6000.00		
ESOTERIC SOUND	CN-25-78	30-15 ±1	MI	No	30	20	6.0	2.0-4.0	350	C	2.8	10/10	U	S	5.5	42.00	26.00
GOLDORING	Excel VX Elite Eroica Low Out Eroica High Out G1042 G1022GX G1012GX G1012 78rpm G1006 Elektra Elian	20-30 ±2 20-30 ±2 20-30 ±2 20-22 ±3 20-20 ±2 20-20 ±2 20-20 ±2 20-20 ±2 20-20 ±2 20-20 ±3 20-20 ±3	MC MC MC MC MM MM MM MM MM MM MM	Yes Yes No No No No No No No No No	25 25 25 25 25 25 25 25 25 20 20		0.5 0.5 0.5 2.5 6.5 6.5 6.5 6.5 6.5 5.0 5.0	1.5-2.0 1.5-2.0 1.5-2.0 1.5-2.0 1.5-2.5 1.5-2.5 1.5-2.5 1.5-2.5 1.5-2.5 1.75 1.5-3.0	100-500 100-500 200-1000 100-500 150-200 150-200 150-200 150-200 150-200 150-400 150-400	V V V V V V V V V E S	0.3 x 1.6 0.3 x 1.6 0.3 x 1.6 0.3 x 1.6	18/18 18/18 18/18 24/16 24/16 24/16 24/16 24/16	F F F U U U U U U U U	S S S S S S S S S S S	8.5 5.7 5.5 5.5 6.3 6.3 6.3 6.3 6.3 4.2 4.2	995.00 625.00 375.00 325.00 300.00 225.00 175.00 175.00 125.00 80.00 60.00	675.00 425.00 250.00 215.00 190.00 165.00 105.00 105.00 75.00 40.00
GRADO LABORATORIES	Black Green Blue Red Silver Gold		Flux Bridge Flux Bridge Flux Bridge Flux Bridge Flux Bridge Flux Bridge	No No No No No No	30 30 30 30 35 35	25 25 25 25 30 30	4.5 4.5 4.5 4.5 4.5 4.5	1.5 1.5 1.5 1.5 1.5 1.5		E E E E E E			U U U U U U	P/S P/S P/S P/S P/S P/S	5.5 5.5 5.5 5.5 5.5 5.5	40.00 60.00 80.00 110.00 150.00 180.00	20.00 30.00 40.00 55.00 75.00 90.00
GRADO REFERENCE PRODUCTS	Platinum Sonata Master The Reference	10-60 10-60 10-60 10-60	Flux Bridge Flux Bridge Flux Bridge Flux Bridge	No No No No	40 40 40 40	35 35 35 35	4.5 4.5 4.5 4.5	1.5 1.5 1.5 1.5		E E E E			F F F F	S S S S	6.5 6.5 6.5 6.5	300.00 500.00 800.00 1200.00	200.00 330.00 530.00 800.00



# PHONO CARTRIDGES

STYLUS TYPE C—Conical S—Spherical E—Elliptical M—MicroLine, MicroRidge, or similar V—van den Hul X—Hyper-Elliptical, Stereohedron, Fine Line, Line Contact, Long Line, Line Trace, or similar	Model	Frequency Response, Hz to kHz, ±dB	Principle Moving Iron=MI, Induced Magn=IM, Moving Coil=MC, Moving Magnet=MM	Individual Response Curve Supplied?	Channel Separation at 1 kHz, dB	Channel Separation at 10 kHz, dB	Output at 1 kHz, mv, 5 cm/Second rms Lateral Velocity	Recommended Tracking Force Range, Grams	Recommended Load Capacitance, pF	Stylus Type—See Code	Stylus Radius (Radii), Mils	Dynamic Compliance, µm/mN, Vertical/Lateral	Stylus Replacement: User=L, Factory=F	Mounting: Integral Shell=I, P-Mount=PM, Standards=S	Weight, Grams	Price, \$	Replacement Stylus Price, \$	
IMMUTABLE MUSIC	Transfiguration Temper	10-20 ±1.5	MC	Yes	30	30	0.35	1.7-2		X	0.3 x 0.8	15/15	F	S	7.5	3800.00	1600.00	
	Transfiguration Spirit	10-20 ±1.5	MC	Yes	27	27	0.56	1.8-2.2		X	0.3 x 0.8	12/12	F	S	7.8	1500.00	800.00	
	Transfiguration Esprit	10-20 ±1.5	MC	Yes	27	27	2.1	1.8-2.2		X	0.3 x 0.8	12/12	F	S	7.8	1500.00	800.00	
KAB ELECTRO-ACOUSTICS	KSL500 (78-rpm or mono LP)	10-17	MM	No	25		10	4.0	275	S	2.7 x 2.7, 0.7 x 0.7	10/10	U	S	10	55.95	34.00	
	KS500-27 (78-rpm only)	10-17	MM	No	25		10	3-7	275	S	2.7 x 2.7	10/10	U	S	6	44.95	34.00	
	Custom styli for KS500-27:																	
	D2 5E 1940-55		MM					3-7		E	0.7 x 2.5	10/10	U				89.00	
	D3 3E 1925-40		MM					3-7		E	0.7 x 3.3	10/10	U				89.00	
LINN	K9 Klyde	20-20 ±2	MM	No	20		4.5	1.7	200	E		12/12	U	S	7	350.00	210.00	
	Arkiv	20-20 ±1	MC	No	30		0.15	1.7		E		10/10	S	8	1195.00			
		20-20 ±1	MC	No	30		0.15	1.7		E		10/10	S	8	2295.00			
LYRA	Parnassus D.C.T.	10-50	MC	No	35		0.35	1.6-1.8		X	0.1 x 1.0	12/12	S	10.5	3495.00			
	Clavis D.C.	10-50	MC	No	35		0.35	1.5-1.7		X		12/12	S	9	1895.00			
	Lydian	10-40	MC	No	30		0.3	1.8-2.0		X		12/12	S	10.5	995.00			
JOHN MAROVSKIS	JMAS MIT-1	10-10 ±1	MC	No	25	20	0.25	2.25-2.5	500	V	0.2 x Line	/16	F	S	5.5	750.00	375.00	
ORTOFON	MC2000 II	20-40	MC	Yes	25		0.125	2-2.5		X	0.5 x 0.9	13/13	F	S	9.5	1300.00	910.00	
	MC25 FL	20-30	MC	No	25		0.5	1.8-2.2		X	0.18 x 0.4	16/16	F	S	10.5	475.00	235.00	
	MC7500	20-20 ±2	MC	Yes	25	18	0.13	2-3		X	0.45 x 0.10	12/12	F	S		2800.00	1960.00	
	FF15XEII	20-20	MM	No	20		6	1-1.5	200-400	X	0.8 x 0.18	15/15	U	S		50.00	20.00	
	MC5000	20-20	MC	No	25		0.14	2.2-2.7		X	0.5 x 0.10	12/12	F	S	9.5	2000.00	1400.00	
	MC3000MII	+2.5-0																
		20-20	MC	No	25			0.15	1.7-2.2		X	0.5 x 0.10	13/13	F	S	9.5	1600.00	1120.00
		+2.5-0																
		10-30 +5,-1	MC	No	25			0.3	1.3-1.8		E		14/14	F	S	7	140.00	100.00
	MC10 Super	20-20 +4,-1	MC	No	25			0.2	1.6-2.0		X	0.5 x 0.8	16/16	F	S	10	650.00	455.00
	MC20 Super II	20-20 +4,-1	MC	No	25			0.2	1.6-2		X	0.5 x 0.80		F	S		650.00	390.00
	MC15 Super II	20-25	MC	No	25			0.35	2-2.4		X	0.8 x 0.4	15/15	F	S	7	225.00	160.00
	MC10 Super II	20-20 +4,-1	MC	No	25			0.2	1.6-2.0		X	0.5 x 0.7	15/15	F	S	10	450.00	315.00
	MC3 Turbo	20-40 +3,-1	MC	No				3.3	1.8-2.2		X		13/13	F	S	5	200.00	150.00
	MC1 Turbo	20-30 +3,-1	MC	No				3.3	1.8-2.2		X		13/13	F	S	5	150.00	117.00
	X5 MC	15-35 +4,-1	MC	No				2.2	1.7-2.2		X		12/12	F	S	5	300.00	228.00
	X3 MC	20-40 +3,-1	MC	No				2.2	1.7-2.2		X		13/13	F	S	5	125.00	92.00
	X1 MC	20-30 +3,-1	MC	No				2.2	1.7-2.2		X		13/13	F	S	5	125.00	92.00
	OM30 Super	20-20 +2,-0	MM	No	25			4	1.0-1.5	300	X	0.40 x 0.8	40/35	U	P/S	5	225.00	90.00
	OM20 Super	20-20 +2,-1	MM	No	25			4	1.0-1.5	300	E	0.18 x 0.8	35/30	U	P/S	5	150.00	60.00
OM10 Super	20-20 +3,-1	MM	No	22			4	1.25-1.75	300	E	0.18 x 0.8	30/25	U	P/S	5	75.00	30.00	
OM5E	20-20	MM	No	22			4	1.25-1.75	300	E		25/25	U	P/S	5	50.00	20.00	
OM3E	20-20 +3,-2	MM	No	20			4	1.25-1.75	400	X		25/25	U	P/S	5	35.00	12.00	
TM20UD	20-20 +3,-1	MM	No	25			3.5	1.0-1.5	400	X		35/35	U	P/S	6	129.00	75.00	
TM14U	20-20	MM	No	20			4.5	1.0-1.5	400	X		30/30	U	P/S	6	89.00	30.00	
TM7	20-20	MM	No	20			5	1.0-1.5	400	X		30/30	U	P/S	6	60.00	25.00	
PICKERING	XSV/5000 MKIIS	10-50	MM	No	35		3.8	0.75-1.5		X	0.3 x 2.8		U	S	5.6	381.00	106.00	
	TL-3S	10-25	IM	No	35		4.4	0.75-1.5		X	0.3 x 2.8		U	P/S	5.6	206.00	58.00	
	TLE	10-20	MM	No	28		4.4	1-1.5		E	0.3 x 0.7		U	P/S	5.9	84.00	29.00	
	XV-15/625E	10-25	IM	No	35		4.4	0.75-1.5		E	0.3 x 0.7		U	S	6.3	163.00	40.00	
	XV-15/150DJ	10-20	IM	No	28		8.0	0.7		E	0.3 x 0.7		U	S	6.3	108.00	22.00	
	XV-15/150DJP	20-20	IM	No	28		4.4	0.7		S	0.7		U	S	5.5	160.00	56.00	
	(w/2 Stylus)																	
	XV-15/625DJ	20-20	IM	No	30			4.4	0.7		E	0.7		U	S	5.5	234.00	109.00
PLUTO AUDIO	Pluto One	15-30	MC	Yes	32	28	0.45	1.35-1.50		V			F	S	16	6395.00		
RADIO SHACK	Radio Shack/ Shure R25XT	20-20	MM	Yes	20			2.5-3.5		E	0.4 x 0.7		U	S		19.99	14.99	
	Radio Shack/ Shure RXP3	20-20	MM	Yes	29			1.25-1.75		E	0.2 x 0.7		U	P		29.99	19.99	
	Radio Shack/ Stanton RS5000DJ	20-20	MM	Yes	28			2.5		S						34.99	24.99	
	Radio Shack/ Audio-Technica RX1500	15-25	MM	No	29			1.0-1.5		E						34.99		
REGA RESEARCH	Bias		MM	No				1.75					F	S		125.00		
	Super Bias		MM	No				1.75					F	S		175.00		
	Elys		MM	No				1.75					F	S		225.00		
	Exact		MM	No				1.75					F	S		595.00		
ROKSAN AUDIO	Corus Shiraz	20-20 ±2	MM	No	25	20	6.0	1.6-1.9		X		16/24	U	S	7			
		15-30 ±0.5	MC	Yes	35	30	1.0	2.2-2.5		X					8.2			
SHURE	V15VxMR	10-25	MM	No	25	18	3.0	1.0	250	M	0.15 x 3.0		U	S	6.6	300.00	200.00	
	M97HE	20-22	MM	No	25		4.0	0.75-1.25	250	X	0.2 x 1.5		U	S	6.6	100.00	48.00	
	M67E	20-22	MM	No	25		4.0	0.75-1.25	250	E	0.2 x 0.7		U		6.4	60.00	29.00	
	MP67E	20-22	MM	No	25		4.0	0.75-1.25	250	E	0.2 x 0.7		U	P	6.3	60.00	29.00	
	M44GX	20-20	MM	No	20		6.0	0.75-1.5	250	S	0.7		U	S	6.2	45.00	22.00	

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MANUFACTURER																		
SHURE (Continued)	M92E	20-18	MM	No	20	5.0	0.75-1.5	250	E	0.4 x 0.7								
	M70BX	20-18	MM	No	20	5.0	1.5-3.0	250	E	0.7								
	M78S 78 RPM	20-20	MM	No	20	6.0	1.5-3.0	250	S	2.5								
	SC35C DJ	20-20	MM	No	20	5.0	4-5	450	S	0.7								
	Scratch Champ M447X DJ Club/Mobile	20-20	MM	No	20	6.0	1.5-3.0	250	S	0.7								
STANTON	Groovemaster EL-1	20-20	MM	No	30	7.0	2-5	275	E	0.4 x 0.7								
	Groovemaster EL-2	20-20	MM	No	30	7.0	2-5	275	E	0.4 x 0.7								
	Groovemaster EL-MP	20-20	MM	No	30	7.0	2-5	275	E	0.4 x 0.7								
	Groovemaster AL-1	20-20	MM	No	30	7.0	2-5	275	S	0.7								
	Groovemaster AL-2	20-20	MM	No	30	7.0	2-5	275	S	0.7								
	Groovemaster AL-MP	20-20	MM	No	30	7.0	2-5	275	S	0.7								
	Trackmaster EL-1	20-20	MM	No	30	5.2	2-5	275	E	0.4 x 0.7								
	Trackmaster EL-2	20-20	MM	No	30	5.2	2-5	275	E	0.4 x 0.7								
	Trackmaster EL-MP	20-20	MM	No	30	5.2	2-5	275	E	0.4 x 0.7								
	Trackmaster AL-1	20-20	MM	No	30	5.2	2-5	275	S	0.7								
	Trackmaster AL-2	20-20	MM	No	30	5.2	2-5	275	S	0.7								
	Trackmaster AL-MP	20-20	MM	No	30	5.2	2-5	275	S	0.7								
	Collector's Series W.D.S. 100	20-20 ±1	MM	No	35	3.2	0.75-1.5	275	S	0.3 x 2.8								
	881 MkIIs	10-25	MM	Yes	35	3.5	0.75-1.5	275	S	0.3 x 2.8		30/						
	681EEE MkIIs	10-25	IM	Yes	35	3.5	0.75-1.5	275	S	0.3 x 2.8		18/18						
	680EE	20-20	IM	No	35	0.82	0.75-1.5	275	S	0.3 x 0.7								
	L725E	10-22	MM	No	28	3.0	0.75-1.5	275	S	0.4 x 0.7								
	L720EE	10-20	MM	No	28	3.2	0.75-1.5	275	S	0.4 x 0.7								
	STC-710	10-20	MM	No	28	3.0	0.75-1.5	275	S	0.4 x 0.7								
	L680EL	20-18	IM	No	28	3.9	4-5	275	S	0.4 x 0.7								
	680EL	20-18	IM	No	30	3.9	2-5	275	S	0.4 x 0.7								
	680AL	20-18	IM	No	30	3.9	2-5	275	S	0.7								
	500AL	20-17	MM	No	35	3.5	0.75-1.5	275	S	0.7								
	500AL-MP	20-17	MM	No	35	3.5	0.75-1.5	275	S	0.7								
	680HP	20-20	MI	No	30	8.0	2-5	275	S	0.7								
	680HP-MP	20-20	MI	No	30	8.0	2-5	275	S	0.7								
	L500AL	20-17	MM	No	28	3.5	3.5-4	275	S	0.7								
	500AL-DP	20-17	MM	No	28	3.5	2-5	275	S	0.7								
680EL-MP	20-18	IM	No	30	3.9	2-5	275	S	0.7									
500E MKII	10-22	MM	No	35	2.8	1-2	275	S	0.4 x 0.7		13.5/							
890AL	20-20	MM	No	30	3.5	2-7	275	S	0.4 x 0.7		14/							
680AL	20-18	MI	No	28	3.9	2-5	275	S	0.7		10/							
SUMIKO	Oyster	20-20	MM	No	25	25	4	2-2.5	S	0.5		12/12						
	Black Pearl	18-22	MM	No	28	28	5	1.5-1.6	S	0.5		17/17						
	Pearl	15-25	MM	No	30	30	5	1.5-1.6	S	0.2 x 0.8		17/17						
	Blue Point	15-30	MC	No	32	32	2.3	1.5-1.9	F	0.3 x 0.7		15/15						
	Blue Point	10-35	MC	No	35	35	2.3	2.0	F	0.3 x 0.7		15/15						
	Special SHO	10-45	MC	No	35	30	2.3	2.0	F	0.3 x 0.7		15/15						
SYMPHONIC LINE	RG 8 Gold	2-60 ±2	MC	Yes	40	40	0.44	1.5-1.75	V									
VAN DEN HUL	MM-1	10-25	MM	No	30	24	5.6	0.75-1.25	V	0.8 x 0.45								
	MM-2	10-25	MM	No	30	24	5.6	0.75-1.25	V	0.3 x 0.45								
	MC-10	5-50	MC	Yes	35	30	0.45	1.25-1.75	V	0.3 x 0.45								
	MC-One	5-50	MC	Yes	35	30	0.45	1.25-1.75	V	0.3 x 0.45								
	MC-One Super	5-50	MC	Yes	35	30	1.0	1.25-1.75	V	0.3 x 0.45								
	MC-Two	5-50	MC	Yes	35	30	2.25	1.25-1.75	V	0.3 x 0.45								
	Frog	5-55	MC	Yes	35	30	0.65	1.35-1.6	V	0.2 x 0.45								
	Grasshopper IV GLA	5-65	MC	Yes	35	30	0.65	1.35-1.6	V	0.2 x 0.45								
WILSON BENESCH	Analog One	20-20 ±3	MC	Yes	25	40	0.35	1.4-1.8	E	0.3 x 0.7								
	Carbon One	10-50 ±0.5	MC	Yes	45	45	0.3	1.8-2.1	E	0.3 x 0.7		15/15						
	Hybrid	10-50 ±0.5	MC	Yes	40	40	0.6	1.8-2.1	E	0.3 x 0.7		15/15						
	Matrix	10-50 ±0.5	MC	Yes	40	40	1.9	1.8-2.1	E	0.3 x 0.7		15/15						
WIN RESEARCH	SMC-10	10-50	MC	Yes	35	28	0.33	1.5	X									
	FET-10 (w/Pwr. Supply)	5-50 ±1	FET	Yes	30	25	1V	1.5	X									



# HEADPHONES

MANUFACTURER	Model	Operating Principle	Frequency Range, Hz to kHz	Impedance, Ohms	Sensitivity, dB SPL, for 1 mW Input	THD at 95 dB SPL, %	Cord Length, Feet	Cord Style: Flat=F, Coiled=C, Round=R	Plug Type: 3.5-mm Mini=M, 1/4-inch Phone=P, Adaptor Included=A	Individual Volume Controls?	Circumaural=C, supra-Aural=S, Open-Air Design=O, In-Ear=I	Headband: Adjustable=A, Folding=F, N=N	Cover Material on Ear Cup	Weight, Ounces	Price, \$	Notes	
AIWA	HP-X815	Dynamic	5-27	60	105	10	R	A	No	C	A	Vinyl	8.5	70.00			
	HP-XV303	Dynamic	5-23	32	102	16	F	A	No	C	A	Vinyl	8	60.00			
	HP-X301	Dynamic	5-23	32	102	10	F	A	No	C	A	Vinyl	8	45.00			
	HP-X201	Dynamic	15-20	32	97	10	R	A	No	C	A	Vinyl	8	23.00			
	HP-XF215	Dynamic	15-20	24	100	10	R	A	No	C	A	Vinyl	8	23.00			
	HP-AV373	Dynamic	10-22	24	104	16	F	A	No	O	A	Foam	2.5	35.00			
	HP-A371	Dynamic	10-22	24	104	6 1/2	F	A	No	O	A	Foam	2.5	23.00			
	HP-AF175	Dynamic	20-20	20	103	3 1/2	F	A	No	O	A	Foam	1.5	17.00			
	HP-AV085	Dynamic	20-20	20	100	16	F	A	No	O	A	Foam	1.5	15.00			
	HP-A171	Dynamic	20-20	20	103	3 1/2	F	A	No	O	A	Foam	1.0	12.00			
	HP-A083	Dynamic	20-20	20	100	3 1/2	F	A	No	O	A	Foam	1.0	12.00			
	HP-A081	Dynamic	20-20	20	100	3 1/2	F	A	No	O	A	Foam	1.0	8.00			
	HP-JB305	Dynamic	10-25	16	105	4	F	M	No	I	F	Plastic	0.5	17.00			
	HP-JB203	Dynamic	10-25	16	105	3 1/2	F	M	No	I	F	Plastic	0.5	12.00			
	HP-JB301	Dynamic	10-25	16	105	4	F	M	No	I	F	Plastic	0.5	12.00			
	HP-JB201	Dynamic	10-25	16	105	3 1/2	F	M	No	I	F	Plastic	0.5	10.00			
	HP-V543	Dynamic	7-25	16	109	4	R	M	No	I	N	Foam	0.17	30.00			
	HP-V159	Dynamic	8-25	16	107	4	R	M	No	I	N	Foam	0.17	20.00			
	HP-V157	Dynamic	8-25	16	107	4	F	M	No	I	N	Foam	0.17	15.00			
	HP-V155	Dynamic	8-25	16	107	4	F	M	No	I	N	Foam	0.17	15.00			
HP-V055	Dynamic	10-25	16	102	4	F	M	No	I	N	Foam	0.17	15.00				
HP-V053	Dynamic	10-25	16	102	4	F	M	No	I	N	Foam	0.17	12.00				
HP-V051	Dynamic	10-25	16	102	4	F	M	No	I	N	Foam	0.17	10.00				
HP-WR601	Dynamic	15-12	32						C	A	Vinyl	8.5	120.00	900-MHz wireless; 150-foot range.			
AKG	K444/R	Dynamic	20-20	50	0.3†	10	R		No	S	A	Foam	6.7	148.80	Infrared. †At 94 dB SPL.		
	K301		20-25	100	94				0.3†	No	C/O	A	Sim.	7.8	160.00		
	K401	Dynamic	18-28	120	94	1.0†	10	R	No	C/O	A	Leather	7.8	187.20	Surround.		
	K501	Dynamic	16-30	120	94	1.0†	10	R	No	C/O	A	Cloth	7.8	226.00			
K290S	Dynamic	20-20	120	92	2.0†	20	R	No	C	A	Sim.	10	334.00				
ROX	Dynamic	20-20	75	105	0.3†	10	R	No	S	A	Leather	7.8	73.80				
AUDIO-TECHNICA	ATH-M2X	Dynamic	20-20	4-16	100	11.5	F	M/A	No	C	A	Vinyl	4	40.00			
	ATH-M3X	Dynamic	20-21	4-16	100	11.5	F	M/A	No	C	A	Vinyl	5	50.00			
	ATH-908	Dynamic	20-20	40	90	9.8	F	M/A	No	C	A	Vinyl	6.9	95.00			
	ATH-910	Dynamic	20-22	40	92	9.8	F	M/A	No	C	A	Vinyl	7.2	115.00			
BEYERDYNAMIC	DT-911	Dynamic	5-35	250	115	0.2†	10	C	P	No	C/O	A	Velvet	10	249.00	†At 115 dB. Diffuse-field EQ; replaceable cushion cover.	
	DT-901	Dynamic	5-30	250	115	0.25†	10	C	P	No	C	A	Velvet	10	239.00	†At 115 dB. As above; closed back.	
	DT-811	Dynamic	5-35	250	114	0.2†	10	C	P	No	C/O	A	Velvet	9	199.00	†At 114 dB. Diffuse-field EQ; replaceable cushion cover.	
	DT-801	Dynamic	5-30	250	114	0.2†	10	C	P	No	C	A	Velvet	9	189.00	†At 114 dB. As above; closed back.	
	DT-531	Dynamic	10-20	250	115	0.2	8 1/4	F	M/A	No	C	A	Cloth	8.6	179.00		
	DT-511	Dynamic	10-22	250	114	0.2†	10	C	P	No	C/O	A	Velvet	7	159.00	†At 114 dB. Diffuse-field EQ; replaceable cushion cover.	
	DT-431	Dynamic	15-20	40	106	0.3	8 1/4	F	M/A	No	C	A	Cloth	7.4	129.00		
	DT-411	Dynamic	15-20	250	122	0.2†	10	F	P/A	No	S/O	A	Cloth	5	109.00	†At 122 dB.	
	DT-311	Dynamic	20-20	40	118	0.3†	10	F	P/A	No	S/O	A	Cloth	5	79.00	†At 118 dB.	
	DT-211	Dynamic	30-18	40	118	0.3†	10	F	P/A	No	S/O	A	Cloth	5	49.00	†At 118 dB.	
DT-211TV	Dynamic	30-18	40	118	0.3†	20	F	P/A	Yes	S/O	A	Cloth	5	59.00	†At 118 dB. Stereo/mono switch.		
IRS-890	Dynamic	5-35	250	115	0.2			Yes	C/O	A	Cloth	11	299.00	Cordless; includes IS-790 infrared transmitter; stereo/mono switch.			
DT-770 PRO	Dynamic	5-35	600	116	0.2†	10	C	P	No	C	A	Cloth	9	169.00	†At 116 dB. Diffuse-field EQ; closed back.		
DT-990 PRO	Dynamic	5-35	600	116	0.2†	10	C	P	No	C/O	A	Cloth	9	169.00	†At 116 dB. Diffuse-field EQ.		
DENON	AH-D950	Dynamic	2-31	30	106	10	F	M/A	No	C	A	Vinyl	9	165.00			
	AH-D750	Dynamic	2-30	30	106	10	F	M/A	No	C	A	Vinyl	9	135.00			
	AH-D650	Dynamic	3-29	35	106	10	F	M/A	No	C	A	Vinyl	7	100.00			
	AH-D550	Dynamic	3-28	35	106	10	F	M/A	No	C	A	Vinyl	7	80.00			
	AH-D350	Dynamic	3-26	32	104	10	F	M/A	No	C	A	Vinyl	7.5	65.00			
	AH-D210	Dynamic	5-26	32	104	10	F	M/A	No	C	A	Vinyl	5.6	55.00			
DISCWASHER	1525 Micro 30		20-20	32	96	4				I	N			4.99	Cord winds into case.		
	1531 DR 60		50-18	32	98	4		M			I	N		17.99			
	1535 HP 110		10-18	32	100	4						N	A	3.99			
	1537 Pro 410		22-19.5	32	92	4						N	A	9.99			
	1541 Pro 510		18-22	32	100	4.1						N	A	17.99			
	1547 HP 50		20-20	32	103	8						N	A	29.99			
	1542 HP 310		20-20	32	104	6		M				N	A	14.99			
	1550 Pro 65		20-20	32	105	9		M	Yes				N	A		44.99	
	NRH 200						6						Sim. Leather			139.95	Active noise cancellation.
	1546		20-20	32	101	4		M				A		1.5		12.99	Includes case.
	1526		20-20	32	101	4		M				A		0.6		14.99	
	1536		20-18	32	101	6		M				A				6.99	
	1553 Pro 80		10-30	40	102	8										49.99	
	1532 Pro 420		22-19.5	32	92	4						I	N/F			12.99	Includes pouch. Cord winds into case.
	1528 Micro 40		50-18	16	98	4		M				I	N			7.99	
	1538 HP 210		50-18	32	98	6		M					N			11.99	
EMERSON	HP 3810		20-50	32				M/P/A	Yes	S	A	Sim. Leather	8	99.99	Infrared.		
	HP 3809		50-12					M/P/A	Yes	S	A	Foam	4.8	74.95	As above.		
	HP 3807		20-20	32	105	10	R	M/A	No	C/S	A	Sim. Leather	14.7	34.95			
	HP 3806		20-20	32	102	6 1/2	R	M/A	No	C	A	Sim. Leather	11.2	27.95			
	HP 3816		20-20	32	104	10	R	M/A	No	S	A	Foam	6.5	24.95			
HP 3813		20-20	16	103	4	R	M	No	I	F	Plastic	2.6	13.99				
HP 3814		20-20	32	100	4	R	M	Yes	I	N	Plastic	1.7	13.99				
HP 3805		20-20	32	102	6 1/2	R	M/A	No	S	A	Foam	4.3	12.49				

# HEADPHONES

MANUFACTURER	Model	Operating Principle	Frequency Range, Hz to kHz	Impedance, Ohms	Sensitivity, dB SPL, for 1 mW input	THD at 95 dB SPL, %	Cord Length, Feet	Cord Style: Flat=F, Coiled=C, Round=R	Plug Type: 3.5-mm Mini=M, 1/4-inch Phone=P, Adaptor Included=A	Individual Volume Controls?	Circumaural=C, supra-Aural=S, Open-Air Design=O, In-Ear=I	Headband: None (fits in Ear)=N, Adjustable=A, Folding=F, Padded=P	Cover Material on Ear Cup	Weight, Ounces	Price, \$	Notes
EMERSON (Continued)	HP 3822		20-20	32	100		4	R	M/A	No	I	A	Plastic	2	6.99	Usable without headband.  RF wireless.
	HP 3801		20-20	32	100		4	R	M	No	A	Foam	2	4.95		
	HP 3812		20-20	32	101		4	R	M	No	S	A	Foam	2	8.99	
	HP 3800		20-18	32			4	R	M	No	S	A	Foam	2	4.99	
	HP 3815		20-20	32	98		4	R	M	No	S	A	Foam	2	4.49	
	HP 3811		20-20	32	90		4	R	M/A	No	S	A	Foam	2	3.19	
	HP 3824		20-20	32	100		6 1/2	R	M/P/A	No	S	A	Foam	6	16.99	
	AV2800		20-17	32	104				A	Yes	C/S	A	Sim.	28	69.99	
	HP3834		20-20	32	104		4	R	M	No	S/I	N	Leather	12	12.99	
	HP3835		20-20	32	104		4	R	M	No	S/I	N	Foam	12	12.99	
	HP3836		100-24	32	98		4	R	M	No	I	N	Foam	12	7.99	
	HP3839		100-24	32	94		4	R	M/A	No	C/S	F	Foam	13	8.99	
HP3840		20-18	32	105		9	R	M/A	Yes	S	A	Sim.	15	16.99		
ERGD	Mod 1	Dynamic	28-20	100	95	0.4	10	F	P/A	No	O	A/F	Plastic	24	225.00	†Air Motion Transformer. Includes amp.
	Mod 2	Dynamic	20-20	100	96	0.3	10	F	P/A	No	O	A/F	Plastic	24	275.00	
AMT		†	20-20	4	10	0.2	10	F	P/A	No	O	A/F	Plastic	36	1500.00	
ETYMOTIC RESEARCH	ER-4S	Dynamic	20-16	100	98	1.5†	4	R	M/A	No	I	N		1	330.00	†At 100 dB.
GRADO LABORATORIES	SR40	Dynamic	20-18	32	94		9	R	M/A	No		A	Foam	6	39.95	
	SR60	Dynamic	20-20	32	94		7	R	M/A	No		A	Foam	7	69.00	
	SR80	Dynamic	20-20	32	94		7	R	M/A	No		A	Foam	8	95.00	
	SR125	Dynamic	20-20	32	94		7	R	P	No		A	Foam	8	150.00	
	SR225	Dynamic	20-22	32	94		7	R	P	No		A	Foam	8	200.00	
SR325	Dynamic	18-24	32	96		7	R	P	No		A	Foam	11	295.00		
GRADO REFERENCE PRODUCTS	RS1	Dynamic	12-30	32	98		7	R	P	No		A	Foam	9	695.00	Wooden.
JECKLIN	JJ Float 1	Dynamic	35-20	200	95	0.4	10	F	P	No	O	F	Plastic	24	200.00	
	JJ Float 2	Dynamic	30-20	200	95	0.3	10	F	P	No	O	F	Plastic	24	250.00	
	JJ Float Electrostatic	Electrostatic	20-2	4-16	95	0.2	10	F	P	No	O	F	Plastic	38	995.00	
JVC	HA-V550	Dynamic	8-20	32	103	9%	R	A	No	S	A	Plastic	4.3	34.95		
	HA-P75	Dynamic	10-23	32	108	4%	R	M	No	S	A	Plastic	4.4	44.95		
	HA-D990	Dynamic	5-27	65	106	9%	R	P	No	S	A	Plastic	8.5	149.95		
	HA-D810	Dynamic	5-26	32	104	9%	R	M/A	No	S	A	Plastic	6.9	79.95		
	HA-D727	Dynamic	15-24	32	106	11 1/2%	R	M/A	No	S	A	Plastic	7.1	69.95		
	HA-D626	Dynamic	16-23	32	107	11 1/2%	R	M/A	No	S	A	Plastic	6.0	44.95		
	HA-D525	Dynamic	18-22	32	103	11 1/2%	R	M/A	No	S	A	Plastic	6.7	39.95		
	HA-D424	Dynamic	18-20	40	103	11 1/2%	R	M/A	No	S	A	Plastic	5.3	34.95		
	HA-D410	Dynamic	20-20	32	98	6%	R	M/A	No	O	A	Foam	3.2	34.95		
	HA-CD88	Dynamic	14-22	32	102		R	M/A	No	O	A	Foam	1.4	34.95		
	HA-CD66	Dynamic	16-20	32	98	6%	F	M/A	No	O	A	Foam		24.95		
	HA-CD55	Dynamic	15-23	32	94	6%	F	M	No	O	A	Foam	1.5	14.95		
	HA-22	Dynamic	20-20	32	94	5%	F	M/A	No	O	A	Foam		9.95		
	HA-F67	Dynamic	16-22	16	100	4%	F	M	No	O	N	Foam	0.21	16.95		
	HA-F65	Dynamic	16-20	16	105	4%	F	M	No	I	N	Foam		34.95		
	HA-F47	Dynamic	16-22	16	100	4%	F	M	No	I	N	Foam	0.21	14.95		
	HA-F27	Dynamic	16-22	16	100	4%	R	M	No	I	N	Foam	0.21	9.95		
KENWOOD	KPM-210	Dynamic	20-20	32	102		8	F	M/A	Yes	C	A	Plastic		20.00	
	KPM-310	Dynamic	20-20	32	102		10	F	M/A	Yes	C	A	Plastic		30.00	
	KPM-410	Dynamic	20-21	32			10	F	M/A	Yes	C	A	Plastic		50.00	
	KPM-10	Dynamic	20-20	32	90		4		M	Yes	I	N	Plastic		9.99	
	KPM-30	Dynamic	20-20	32	90		4		M	No	I	F	Plastic		9.99	
	KPM-50	Dynamic	20-20	32	102		4		M	No	I	F	Plastic		14.99	
	KPM-100	Dynamic	20-18	32	101		4		M	No	I	F	Plastic		9.99	
	KPM-510	Dynamic	20-20	32	100		10		M/A	No	C	F	Plastic		80.00	
KOSS	ESP950	Electrostatic	8-35	100k	104	0.01	10	F			C	A			800.00	Two detachable cords. As above.
	A/250	Dynamic	16-25	60	98	0.1	8	F	P		C	A			250.00	
	A/200	Dynamic	18-25	60	98	0.1	8	F	P		C	A			200.00	
	A/130	Dynamic	16-23	60	98	0.1	8	F	P		C	A			150.00	
	R/200	Dynamic	18-23	60	84	0.3	8	C/R			C	A			90.00	
	R/100	Dynamic	16-22	60	85	0.2	8	C/R			C	A			90.00	
	R/90	Dynamic	18-23	60	100	0.3	8		M/A		C	A		7.5	70.00	
	R/80	Dynamic	16-22	60	101	0.2	8	C	M/A		C	A		7.4	70.00	
	R/45	Dynamic	20-22	60	85	0.2	4.5	F	M/A		C	A		5.5	60.00	
	R/40	Dynamic	18-20	60	90	0.1	4.5	F	M/A		C	A		5.0	55.00	
	R/35	Dynamic	20-22	60	101	0.2	8	F	M/A		C	A		5.3	50.00	
	R/30	Dynamic	18-20	60	106	0.1	8	F	M/A	Yes	C	A		5.0	50.00	
	R/20	Dynamic	20-20	60	101	0.2	8	F	M/A		C	A		5.0	45.00	
	R/10	Dynamic	30-20	60	103	0.1	8	F	M/A		C	A		4.5	40.00	
	TD/80	Dynamic	20-17	60	98	0.02	10		M/A		C	A		10	50.00	
	TD/65	Dynamic	20-17	90	101	0.2	8		M/A		C	A		5	30.00	
	TD/61	Dynamic	20-20	38	94	0.5	8		M/A		C	A		5.4	25.00	
	HD/2	Dynamic	20-20	60	100	0.3	8		M/A		S	A		3.4	30.00	
	HD/33	Dynamic	60-20	32	91	1	4		M/A		S	A		3.4	15.00	
	Porta Pro	Dynamic	15-25	60	101	0.2	4		M/A		S	A		2.8	50.00	
	Porta Pro Jr.	Dynamic	15-25	60	101	0.2	4.5		M/A		S	A		2.8	40.00	
	KSC/35	Dynamic	15-25	60	101	0.2	4		M/A		S	N		1.3	35.00	
	KSC/20	Dynamic	20-20	16-32	98	1	4		M		I	N		1	20.00	
	KSC/19	Dynamic	20-20	16-32	98	1	4		M		I	N		1	20.00	
	GT/5	Dynamic	20-20	60	96	0.2	4		M/A		S	N			30.00	
	GT/4	Dynamic	50-20	36	90	1	4		M		O	A			20.00	
	GT/3	Dynamic	50-20	36	90	1	4		M		O	A			15.00	
	GT/2	Dynamic	90-20	32	85	1	4		A		O	A			10.00	
LS/9	Dynamic	30-20	32	84	1	3.6		M	No	I	A		1.3	20.00		

(Continued)



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CIRCLE NO. 25 ON READER SERVICE CARD

# HEADPHONES

MANUFACTURER	Model	Operating Principle	Frequency Range, Hz to kHz	Impedance, Ohms	Sensitivity, dB SPL, for 1 mW Input	THD at 95 dB SPL, %	Cord Length, Feet	Cord Style: Flat=F, Coiled=C, Round=R	Plug Type: 3.5-mm Mini=M, 1/4-Inch Phone=P, Adaptor, Includet=A	Individual Volume Controls?	Circumaural=C, Supra-Aural=S, Open-Air=O, In-Ear=I, Industrial=A, Folding=F	Headband: None (fits in Ear)=N, Adjustable=A, Folding=F	Cover Material on Ear Cup	Weight, Ounces	Price, \$	Notes
KOSS (Continued)	LS/7	Dynamic	20-20	32	92	1	8	R	M		I	A		1	15.00	
	LS/6	Dynamic	20-20	32	92	1	3	R	M		I	A		1	12.00	
	SP/7	Dynamic	20-20	32	92	1	4	R	M		I	A		1	12.00	
	SP/5	Dynamic	20-20	32	92	1	4	R	M		I	A		1	8.00	
	QZ/2000	Dynamic	10-32	5k	92	1	4	R	M		I	A		2.8	200.00	Active noise cancellation.
	TC/99	Dynamic	15-25	60	101	0.2	8	R	M		O	A	Cloth	5.6	100.00	
	TC/45	Dynamic	15-25	60	101	0.2	8	R	M		O	A		5.4	35.00	
	R/70B	Dynamic	20-22	60	101	0.2	8	R	M/A		O	A		5.2	65.00	
	R/65B	Dynamic	18-20	60	106	0.2	8	R	M/A		O	A		5.4	60.00	
	R/60B	Dynamic	18-20	60	106	0.2	8	R	M/A		O	A		5.2	55.00	
	R/55B	Dynamic	20-20	60	101	0.2	8	R	M/A		O	A		5.1	55.00	
	R/50B	Dynamic	30-20	60	103	0.2	8	R	M/A		O	A		5.1	50.00	
	SB/50	Dynamic	15-25	60	101	0.2	8	R	M/A		O	A		1.5	50.00	
	SB/35	Dynamic	15-25	60	101	0.2	8	R	M/A		O	A		1.0	35.00	
	SB/25	Dynamic	20-17	100	100	0.3	8	R	M/A		O	A		2.5	45.00	
SB/10	Dynamic	60-20	32	91	1.5	8	R	M/A		O	A		3.5	20.00		
SB/15	Dynamic	20-20	60	100	0.3	8	R	M/A		O	A		2.5	35.00		
JR/900	Dynamic	20-20	60	100	0.2	8	R	M/A		O	A		10	400.00	Wireless.	
HB/500	Dynamic	20-20	20-20	1	1					C	A		7.5	120.00	Infrared.	
LARAL GROUP	IR1000	Dynamic	35-18	40	0.5			M	Yes	O	A	Foam		59.95	Infrared; wireless; multimedia.	
	4000IR	Dynamic	35-18	40	0.5			M	Yes	O	A	Foam		49.95	Infrared; wireless.	
	6000IR	Dynamic	35-18	40	0.5			M	Yes	O	A	Sim. Leather		59.95	As above.	
MB QUART ELECTRONICS	QP 600	Dynamic	16-22													Wireless; digital input.
	QP 400	Dynamic	14-24.1	300	93	0.36	10	F	P		C	A	Velour	8.3	299.00	
	QP 280	Dynamic	13-20.4	300	96	0.2	10	F	A		C	A	Plastic	8	159.00	Closed acoustically.
	QP 250	Dynamic	16-20.4	100	98	0.3	10	F	A		C	A	Velour	7.8	139.00	
	QP 240	Dynamic	24-20.1	100	98	0.4	10	C	A		C	A	Velour	7.8	99.00	
	QP 220	Dynamic	20-20.1	100	90	0.5	10	C	A		C	A	Plastic	2.5	89.00	Includes 10-foot extension cord.
	QP 160	Dynamic	30-26.4	40	90	1	4	F	A	Yes	C	A		0.2	29.00	Cord winds into case.
	QP 120	Dynamic	20-20	18	106	1	4	F	A		C	A		2.1	29.00	
	QP 1X	Dynamic	24-22	35	110	0.3	6	F	A		C	A	Foam	2.1	29.00	
	QP 805 HS	Dynamic	10-33.4	300	98	0.13	10	R	P		S	A	Plastic	7.8	199.00	Closed acoustically.
MEMOREX	Ear-Bud 20		50-18	32	90		4		M		I			0.5	2.99	
	Ear-Bud 50		20-20	32	98		4		M/A		I			0.5	3.99	
	SL20		50-18	32	88		4		M					1.5	3.99	
	SL40		20-20	32	93		4		M					1.9	4.99	
	SL60V		20-20	32	96		6		M					2.6	9.99	
	SL90V		20-20	32	103		6		M					2.3	12.99	
	SportBud		20-20	32	104		4		M					0.5	7.99	
	SportFone		20-20	32	104		4		M					1.4	8.99	
	CD-55		20-20	32	92		3 3/4		M					0.5	7.99	
	CD-90		20-20	16-32	104		4		M					0.5	9.99	
	DL-94		18-20	40	100		6		M/A					5.1	15.99	
	DLX-200		16-24	32	104		9 3/4		M/A					6.3	24.99	
	Two-Fer Combo		20-20	32	95		4		M					2	7.99	Includes headphone and earphone.
	ONKYO	DP600	Dynamic	4-28	600	92		10	R	P	No	C	A	Leather	6%	109.95
DP400		Dynamic	4-28	35	106		10	R	M		C	A	Leather	6%	69.95	
DP200		Dynamic	4-22	40	97		8	R	M		O	A	Foam	2	39.95	
OPTIMUS	33-1002		20-18	32	88		3 1/4	R	M	No	I	N	Plastic		1.99	
	33-1003		20-18	32	88		3 1/4	R	M	No	I	N	Plastic		1.99	
	Nova-11		30-20	32	88		4	R	M	No	S/O	A	Plastic		7.99	Mono.
	Nova-13		20-20	32	98		6 1/2	R	M	No	S/O	A	Plastic		9.99	As above.
	Nova-44		20-20	32	105		7 1/2	F	M	No	S/O	A	Plastic	3.52	9.99	
	33-1126	Dynamic	15-25	60	101		4	R	M	No	S/O	N	Vinyl	5.6	24.99	
	Nova-56	Dynamic	20-18	32	105		10	C	M/A	No	S/O	N	Foam	1.3	29.99	
	Nova-57	Dynamic	20-18	32	96	0.2	8	R	P	No	S/O	A	Foam	4.7	29.99	
	LV-20	Dynamic	20-20	150	95	0.5	8	R	P	Yes	C	A	Vinyl	9.38	19.99	
	Pro-40	Dynamic	20-20	90	101	1.0	8	R	P	Yes	C	A	Vinyl	9.2	39.99	
	Pro-50MX	Dynamic	20-20	90	100	0.2	9	R	M	No	C	A	Vinyl	10	49.99	
	Pro-60	Dynamic	15-25	85	91	0.1	8	R	P	No	C/O	A	Foam	8.18	49.99	
	Pro-90	Dynamic	10-22	100	100	0.1	8	R	P	No	C	A	Vinyl	10	69.99	
	Pro-4AA	Dynamic	10-25	250	95	0.1	10	C	P	No	C	A	Vinyl	24.2	99.99	
	33-1143		70-5			2.5				Yes	S/O	A	Foam	6.7	79.99	Infrared; wireless.
	33-1145		50-15			2			Yes	S/O	A	Foam	6.7	129.99	900-MHz wireless.	
	Nova-58	Dynamic	5-22	32	104	0.3	10	R	M	No	C	A	Plastic	13.76	49.99	
PANASONIC	RP-36 WH50	Dynamic	18-22						No	O	A	Foam	27	139.95	Infrared; cordless.	
	RP-HT245	Dynamic	10-27				16 1/2	R	M/A	Yes	C	A	Leather	19	49.95	
	RP-HV600	Dynamic	8-26	16	104		4	F	M	No	I	N	Plastic	4.5	64.95	
	RP-HV530D	Dynamic	10-25	16	104		3 3/8	F	M	No	I	N	Plastic	3.4	37.95	
PICKERING	CD-2	Dynamic	20-20	32	105	0.5	7 1/2	C	P	No	O	A	Foam	3	50.00	
	CD-5	Dynamic	20-20	35	100	0.5	7 1/2	C	P	No	O	A	Foam	8.8	79.95	
PIONEER	SE-IR550C	Dynamic	20-25						M/A	Yes			Plastic	5.4	275.00	Wireless; includes transmitter and AC adaptor.
	SE-M50	Dynamic	3-50	32			16 1/2	R	M/A		C	A	Plastic	8.1	75.00	
	SE-A50	Dynamic	20-20	35			9 3/8	F	M/A		C	A	Plastic	5.3	50.00	
	SE-A40	Dynamic	20-20	35			9 3/8	F	M/A		O	A	Plastic	5.3	40.00	
	SE-A20		20-20	32			6 3/4							18.00		
	SE-A10		20-20	32			6 3/4							12.00		
	SE-M350	Dynamic	5-28	35			9 3/8	C/R	M/A		C	A	Plastic	8.4	48.00	
	SE-M250	Dynamic	10-23	35			9 3/8	F	M/A		C	A	Plastic	7.5	38.00	
SE-22	Dynamic	30-25	36			8 1/4	R	M/A				Plastic	2.2	32.00		
RADIO SHACK (Continued)	33-177B	Dynamic	200-4	20	92		10	F	M	No	I	N	Plastic	0.63	3.99	
	33-178-T	Dynamic	20-20	16	99		25	F	M	No	I	N	Plastic	1.55	5.99	
	33-970-T	Dynamic	20-20	19	98		4	F	M	No	O/I	N	Plastic	0.5	9.99	
	33-980	Dynamic	120-20	19	98		3 3/8	F	M	No	I	N	Plastic	0.42	14.99	
	Nova-37	Dynamic	100-20	17	96		3 3/4	R	M	No	I	A	Plastic	2	17.99	



# HEADPHONES

MANUFACTURER	Model	Operating Principle	Frequency Range, Hz to kHz	Impedance, Ohms	Sensitivity, dB SPL, for 1 mW Input	THD at 95 dB SPL, %	Cord Length, Feet	Cord Style: Flat=F, Coiled=C, Round=R	Plug Type: 3.5-mm Mini=M, 1/4-inch Phone=P, Adaptor Included=A	Individual Volume Controls?	Circumaural=C, supra-aural=S, Over-Ear Design=O, In-Ear=I	Headband: Non-Folding=N, Adjustable=A, Folding=F	Cover Material on Ear Cup	Weight, Ounces	Price, \$	Notes
RADIO SHACK (Continued)	33-1114	Dynamic	20-20	32	93	0.1	4	F	M	No	I	A	Plastic	0.78	14.99	Sports model. As above.
	33-1124	Dynamic	20-20	32	93	0.1	4	F	M	No	I	A	Plastic	0.9	19.99	
	33-991		16-22				4	F	M	Yes	I	N	Plastic		29.99	
	Nova-35		30-20	33	91		4	R	M	No	S/O	A	Foam		5.99	
	Nova-42		30-20	37	103		16	R	M	Yes	S/O	A	Foam		14.99	
	Nova-43		20-20	32	109		6	R	M/A	No	S/O	A	Foam	2.27	19.99	
	Nova-67 Pro-25	Dynamic	20-20 15-25	60 60	96 103	0.2 0.2	8 6	R R	P M	No Yes	S/O S/O	A A	Foam Foam	6 3.5	34.99 39.99	
RCA	WHR 100		40-12						Yes		A			69.99	Infrared; wireless.	
RECOTON	W500								Yes					149.99	900-MHz wireless. As above. As above; includes speakers. 900-MHz wireless.	
	W200SX								Yes					129.99		
	W222SX								Yes					149.99		
	WP525		15-15						Yes					189.95		
	EG 12		50-18	32	90		4			O				3.99		
	EG 112		50-18	32	90		4			O				4.99		
	EG 35 EG 36 EG 22 EG 10		20-20 20-20	32 32	96 96		4 4			I I	N N					17.99 8.99 5.99 3.99
SENNHEISER	HD25	Dynamic	16-22	70	105	0.5	5	F	M/A	Opt.	S/O	A	Vinyl	14	259.00	Active noise compensation.  Includes tube amp with volume control and D/A converter. Stereo infrared system; includes transmitter. Digital infrared system; includes transmitter.
	HD25SP	Dynamic	30-16	85	105	0.5	10	F	P/A	No	S	A	Sim.	5.0	149.00	
	HD26	Dynamic	50-17	32	100	0.1	3	F	M/A	No	S/O	A	Leather	2.1	19.00	
	HD36	Dynamic	30-18.5	32	100	0.1	3	F	M/A	No	S/O	A	Foam	2.2	29.00	
	HD56	Dynamic	18-20	32	100	0.1	3	F	M/A	No	S/O	A	Foam	2.5	39.00	
	HD265	Dynamic	10-30	150	99	0.15	10	F	M/A	Opt.	C	A	Sim.	8.9	249.00	
	HD433	Dynamic	22-20	32	94	1	10	F	M/A	No	S/O	A	Leather	4.2	39.95	
	HD435	Dynamic	22-20	32	94	1	10	F	M/A	No	S/O	A	Cotton	4.2	59.00	
	HD445	Dynamic	20-20	60	94	10	10	F	M/A	No	S/O	A	Foam	4.5	79.00	
	HD455	Dynamic	18-21	52	94	0.9	10	F	M/A	No	S/O	A	Cotton	4.2	99.00	
	HD465	Dynamic	18-22	60	94	0.8	10	F	M/A	No	S/O	A	Cotton	4.2	129.00	
	HD475	Dynamic	16-23	60	94	0.7	10	F	M/A	No	S/O	A	Cotton	4.2	149.00	
	HD525	Dynamic	20-23	150	94	0.25	10	F	M/A	No	C/O	A	Sim.	7.5	129.95	
	HD535	Dynamic	20-25	150	97	0.25	10	F	M/A	Opt.	C/O	A	Leather	7.5	169.00	
	HD545	Dynamic	16-28	150	96	0.2	10	F	M/A	Opt.	C/O	A	Velvet	8.8	199.00	
	HD565	Dynamic	16-30	150	96	0.15	10	F	M/A	Opt.	C/O	A	Velvet	8.8	289.00	
	HD580	Dynamic	12-38	300	97	0.1	10	F	M/A	Opt.	C/O	A	Velvet	9.2	349.00	
HD600	Dynamic	12-39	300	97	0.1	10	F	M/A	No	C/O	A	Velvet	9.2	449.95		
HDC451-1	Dynamic	20-18	270	94	0.1	4	F	M	No	S/O	A	Cotton	3.9	269.00		
HE60/HEV70	Electrostatic	12-65			0.1	10	F	F	No	C/O	A	Velvet	9.1	1790.00		
HE/HEV90System	Electrostatic	25-75		98	0.01	10	F	F		C/O	A	Leather Velvet, Leather Foam		14,900		
IS450		20-22				1			Yes	S	A	Foam	5.4	259.00		
IS850		10-20				0.006				C	A	Velvet	11.6	1395.00		
MX3	Dynamic	20-20	32.5	103		3	F	M	No	I	N			0.21	14.95	
MX4	Dynamic	20-22	16.5	106		3	F	M	No	I	N			0.21	24.95	
MX5	Dynamic	20-22	16.5	106		3	F	M	Yes	I	N			0.21	44.95	
RS6	Dynamic	20-20		60		0.8			Yes	S/O	A	Cotton	5.6	269.95		
RS8	Dynamic	20-22		75		0.8			Yes	S/O	A	Cotton	5.6	369.95		
SONY	MDR-ED238L	Dynamic	8-23	16	108		3.9	R	M	No	I	N		0.18	29.99	Active noise cancellation.
	MDR-F1	Dynamic	10-30	12	100		11.5	R	M/A	No	O	A		7.0	299.99	
	MDR-G51	Dynamic	16-20	24	104		4.9	R	M	No	O	A		2.2	29.99	
	MDR-G61	Dynamic	14-24	24	105		4.9	R	M	No	O	A		2.0	34.99	
	MDR-NC5	Dynamic	30-15	17	100		4.9	R	M/A	No	O	A/F		4.3	99.99	
	MDR-V100MK2	Dynamic	20-20	32	98		6.6	R	M/A	No	O	A		4.9	29.99	
	MDR-V200	Dynamic	16-20	24	100		9.8	R	M/A	No	S	A/F		4.6	49.99	
	MDR-V400	Dynamic	10-25	24	104		9.8	R	M/A	No	S	A/F		5.6	89.99	
	MDR-V600	Dynamic	5-30	45	106		9.8	C	M/A	No	C	A/F		9.2	129.99	
	MDR-V900	Dynamic	5-30	24	107		9.8	C	M/A	No	C	A/F		10.6	259.99	
	MDR-CD60	Dynamic	20-20	18	96		6.6	R	M/A	No	C	A		5.3	19.99	
	MDR-CD160	Dynamic	16-20	24	98		9.8	R	M/A	No	C	A		5.3	29.99	
	MDR-CD360	Dynamic	10-25	40	100		11.5	R	M/A	No	C	A		8.3	69.99	
	MDR-CD570	Dynamic	10-25	40	106		11.5	R	M/A	No	C	A		8.6	99.99	
	MDR-CD770	Dynamic	5-30	32	106		11.5	R	M/A	No	C	A		11.3	199.99	
	MDR-CD870	Dynamic	5-30	32	106		11.5	R	M/A	No	C	A		11.5	249.99	
	MDR-CD1700	Dynamic	5-30	32	106		11.5	R	M/A	No	C	A		11.5	349.99	
	MDR-CD3000	Dynamic	20-20	32	104		9.8	R	M/A	No	C	A		14.1	699.99	
	MDR-D11	Dynamic	10-25	24	100		4.9	R	M/A	No	C	A/F		3.5	54.99	
	MDR-D33	Dynamic	10-25	45	104		4.9	R	M/A	No	C	A/F		4.2	129.99	
	MDR-D55	Dynamic	10-25	45	104		4.9	R	M/A	No	C	A/F		4.2	179.99	
	MDR-D77	Dynamic	5-30	45	106		4.9	R	M/A	No	C	A/F		4.9	229.99	
	MDR-009L	Dynamic	18-20	18	98		4.9	R	M	No	O	A		1.4	9.99	
	MDR-A009	Dynamic	18-20	18	98		4.9	R	M/A	No	O	A/F		1.5	19.99	
	MDR-15	Dynamic	18-20	24	100		6.6	R	M/A	No	O	A		2.1	14.99	
	MDR-25	Dynamic	16-20	24	102		6.6	R	M/A	No	O	A		2.5	19.99	
	MDR-35	Dynamic	16-20	24	104		6.6	R	M/A	No	O	A		2.6	24.99	
	MDR-55	Dynamic	14-24	24	105		6.6	R	M/A	No	O	A		2.3	29.99	
	MDR-65	Dynamic	12-24	24	106		6.6	R	M/A	No	O	A		2.5	39.99	
	MDR-85	Dynamic	10-24	40	102		6.6	R	M/A	No	O	A		4.2	59.99	
	MDR-W08L	Dynamic	20-20	16	104		3.3	R	M	No	O/I	A		0.46	9.99	
	MDR-W14L	Dynamic	18-22	16	104		3.3	R	M	No	O/I	A		0.46	12.99	
	MDR-W24V	Dynamic	18-22	16	104		3.3	R	M	Yes	O/I	A		0.46	15.49	
	MDR-A34L	Dynamic	10-23	16	108		3.9	R	M	No	O/I	A/F		0.8	19.99	
	MDR-A44L	Dynamic	10-23	16	108		3.9	R	M	No	O/I	A/F		0.9	24.99	
MDR-W20G	Dynamic	10-23	16	108		3.3	R	M	No	O/I	A		0.6	15.99		

# HEADPHONES

MANUFACTURER	Model	Operating Principle	Frequency Range, Hz to kHz	Impedance, Ohms	Sensitivity, dB SPL, for 1 mW Input	THD at 95 dB SPL, %	Cord Length, Feet	Cord Style: Flat=F, Coiled=C, Round=R	Plug Type: 3.5-mm Mini=M, 1/4-Inch Phone=P, Adaptor included=A	Individual Volume Controls?	Circumaural=C, Supra-Aural=S, Open-Air Design=O, In-Ear=I	Headband: None (Fits in Ear)=N, Adjustable=A, Folding=F	Cover Material on Ear Cup	Weight, Ounces	Price, \$	Notes	
SONY (Continued)	MDR-A30G	Dynamic	10-23	16	108	3.9	R	M	No	O/I	A/F		0.7	19.99	As above.		
	MDR-E807V	Dynamic	16-22	16	104	3.3	M	M	Yes	I	N		0.18	12.99			
	MDR-E807	Dynamic	16-22	16	104	3.3	P	M	No	I	N		0.18	8.99			
	MDR-E817	Dynamic	16-22	16	104	3.3	P	M	No	I	N		0.18	9.99			
	MDR-E827	Dynamic	16-22	16	104	3.3	P	M	No	I	N		0.18	14.99			
	MDR-E837	Dynamic	16-22	16	104	3.9	P	M	No	I	N		0.18	19.99			
	MDR-E827G	Dynamic	16-22	16	104	3.3	P	M	No	I	N		0.18	19.99			
	MDR-E848	Dynamic	10-23	16	108	3.9	P	M	No	I	N		0.21	29.99			
	MDR-E888	Dynamic	10-26	16	108	3.9	R	M	No	I	N		0.25	39.99			
	MDR-E888	Dynamic	8-27	16	108	3.9	R	M	No	I	N		0.25	79.99			
	MDR-IF320RK2	Dynamic	12-24						Yes	O	A		3.9	129.99			
	MDR-IF420RK	Dynamic	12-24						Yes	C	A		11.3	169.99			
	MDR-IF520RK	Dynamic	10-24						Yes	C	A		13.8	249.99			
	MDR-NC10	Dynamic	10-22	27	106	4.6	R	M/A	Yes	I	N		7.6	199.99			
	MDR-NC20	Dynamic	16-22	24	102	4.9	R	M/A	No	I	A		6.2	199.99			
MDR-RF940RK	Dynamic	18-22						Yes	C	A		9.5	149.99				
STANTON	SRS-275	Dynamic	5-22	100	101	0.5	10	C	A	No	†	A	Fabric	8.6	192.00	†Semi-open.	
	LS-1	Dynamic	20-20	32	92	0.5	5	F	M/P	No	O	A	Foam	1	22.00		
	ST-2	Dynamic	20-22	32	100		12	F	P	No	C/O	A	Foam	5.0	42.95		
	101/HB	Dynamic	20-22	100	110	0.25†	12	C	P	No	C/O	A	Vinyl	4.2	92.00		
	101/SR	Dynamic	20-22	100	110	0.25†	12	C	P	No	C/O	A	Vinyl	4.3	85.00		
	101/STK	Dynamic	20-22	100	110	0.25†	12	C	P	No	C/O	A	Foam	4.3	92.00		
TECHNICS	1001 Pro	Dynamic	20-20	100	100	0.25	12	C	M/A	Yes	O	A	Vinyl	13	199.95	†As above. Adjustable bass boost.	
	ST-Pro	Dynamic	20-20	32	100	0.5	7½	F	M/A	No	O	A	Fabric	5	39.95		
	RP-HT280		10-27											5.06	39.95		
	RP-HT300	Dynamic	8-27	22	103				R	A	No	C	A	Foam	8.1		49.95
	RP-HT400	Dynamic	7-28	22	105				R	A	No	C	A	Foam	7.4		59.95
	RP-HT116		8-28											7.04	79.95		
	RP-HT600	Dynamic	7-28	35	105				R	A	No	C	A	Foam	8.1		89.95
RP-HT700	Dynamic	5-30	56	105				R	A	No	C	A	Foam	9	99.95		
RP-F10		4-30											9.46	159.95			
RP-F30		2-30											9.98	249.95			
RP-DJ1200	Dynamic	8-30									F	Plastic		170.00	Water resistant; includes carrying case.		

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# CASSETTE DECKS

MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Frequency Response with Best Tone, Hz to KHz, ±dB	Monitoring Off Tape During Recording?	Wow & Flutter, Weighted Peak, %	S/N without Noise Reduction, A-Weighted, dB	S/N with Noise Reduction, A-Weighted, dB	Noise-Reduction Circuit, Dolby B = R, Dolby C = C, Dolby S = S	HK Pro Circuit?	Bias Fine Tuning, Autos = A, Manual = M	Program Search?	Intro Scan?	Level Indicators, Average = A, Peak = P, Peak-Hold = PH	Counter Indicators, No of Turns = T, Time = E, Remaining Time = R	Auto Reverse?	Number of Mike Inputs	Dual Wells?	Timer Record/Play?	Weight, Pounds (To Nearest Pound)	Price, \$	Notes
CARVER	TDR-1550	40-19	No	0.06	73	B/C	Yes		Yes		P	E	Yes	0	No	Yes	15	599.00		
DENON	DRW-840	20-18 ±3	No	0.06	74	B/C	Yes	M	Yes	No	P	T	Yes	0	Yes	No		400.00	High-speed dubbing; twin and relay record; relay play.	
	DRW-580	20-18 ±3	No	0.08	74	B/C	Yes	M	Yes	No	PH	T	Yes	0	Yes	Yes	9	250.00	High-speed dubbing; relay play.	
	DRM-740(RO)	20-20 ±3	Yes	0.038	75	B/C	Yes	M	Yes	No	P/PH	E/R	No	0	No	No	11	400.00	CD sync.	
	DRM-650S	25-18 ±3	No	0.055	77	B/C/S	Yes	A/M	Yes	No	PH	T	Yes	0	No	No	11	300.00		
DRM-550	25-18 ±3	No	0.055	74	B/C	Yes	M	Yes	No	P	T	No	0	No	Yes	9	250.00			
DUAL	CC 5850 RC(RI)	25-19	Yes	0.05	65	B/C	Yes	A	Yes		PH	E/R					13	505.00	Two motors. As above.	
	CC 8065 RC(RI)	25-15	Yes	0.06	65	B/C	Yes	A	Yes		PH	E/R					12	440.00		
ELITE	CT-07D	20-20		0.09	90	B/C†	Yes	A	Yes	Yes	P	T/E	Yes	1	Yes		10	500.00	Four motors; four heads; digital input. †DPS digital noise reduction in playback.	
	CT-05D	20-20		0.09	90	B/C†	Yes	A	Yes	Yes	P	T/E	Yes	0	Yes		9	350.00		
FISHER	CR-W986	50-15 ±3	Yes	0.12	54	B/C	Yes	A	Yes	No	P	E	Yes	0	Yes		9	149.95	High-speed dubbing. As above.	
	CR-W686	50-15 ±3	Yes	0.18	54	B	No	A	No	No	P	E	Yes	0	Yes		9	109.95		
HARMAN KARDON	TD420	20-20 ±3	No	0.05	57	B/C	Yes	M	Yes	Yes	P	E/R	No	0	No	No	12	419.00	High-speed dubbing; sync reverse	
	DC520	25-19	No	0.05	59	B/C	Yes	M	Yes	Yes	P	T	Yes	0	Yes		10	329.00		
JVC	TD-W5TH	20-17		0.08	58	B/C	Yes				P	T	Yes		Yes		10	220.00	Remote controllable via system bus.	
	TD-V1050TN	15-21 ±3	Yes	0.022	61	B/C	Yes	M	Yes	No	A/PH	E/R	No	0	No		17	700.00	Dual capstan; two motors; music sensor.	
	TD-V662BK	10-21	Yes	0.035	59	B/C	Yes	M	Yes	No	P	E	No	0	No	Yes	12	360.00	Dual capstan.	
	TD-R462BK	20-17	No	0.08	58	B/C	Yes	M	Yes	No	P	E	Yes	0	No	Yes	10	250.00	Quick reverse.	
	TD-W718BK	20-17	No	0.08	58	B/C	Yes	A	Yes		A	T	Yes	1	Yes	No	11	280.00	Recording in both wells; pitch control; mike mixing.	
	TD-W354BK	20-17	No	0.08	58	B/C	Yes	A	Yes	No	A	T	Yes	0	Yes	No	11	220.00	Pitch control; mike mixing.	
TD-W254BK	20-17	No	0.08	58	B/C	Yes	A	Yes	No	A	T	Yes	0	Yes	No	11	190.00	Six motors.		
KENWOOD	1050CT	30-19 ±3		0.1	59	B/C	Yes	M	Yes	No	P	E	Yes	Yes	Yes	Yes	10	200.00	High-speed dubbing. As above.	
	1030CT	30-19 ±3		0.1	59	B/C	Yes	M	Yes	No	P	E	Yes	Yes	Yes	Yes	10	180.00		
	1010CT	30-18 ±3		0.1	59	B	No		No	No	P	E	No	Yes	No	9	100.00			
LUXMAN	K-322	25-18	No	0.08	56	B/C	Yes	M	Yes	No	P	E/R	No	0	No	No	9	449.00	System bus.	
	K-373	15-22	Yes	0.045	58	B/C	Yes	M	Yes	No	P	E/R	No	0	No	No	13	695.00		
MARANTZ	SD-57(RI)	20-20 ±3		0.05	57	B/C/S	Yes	A/M	Yes	Yes	PH	T			Yes	Yes	12	400.00	High-speed dubbing.	
	SD-63(RI)	20-20 ±3	Yes	0.05	57	B/C	Yes	M	Yes	Yes	PH	T			Yes	Yes	12	350.00		
	SD-555(RI)	20-20 ±3		0.07	55	B/C	Yes	M	Yes	Yes	PH	PH				Yes	12	300.00		
NAD	613	30-18	No	0.1	58	B/C	Yes	M	No	No	A	T		0			10	299.00	Communicates with NAD components.	
	614	35-16	No	0.09	59	B/C	Yes	M	No	No	A/PH	T		0			10	399.00	As above.	
	616	30-18	No	0.1	58	B/C	Yes	M	No	No	A/PH	T	Yes	0	Yes		13	399.00	As above; high-speed dubbing.	
	602	30-18	No	0.1	58	B/C	Yes	M	No	No	A	T		0			10	299.00	Communicates with NAD components.	
NAKAMICHI	DR-2(RO)	20-21 ±3	Yes	0.06	72	B/C	No	M	No	No	P	T	No	0	No		13	800.00		
	DR-3(RO)	20-20 ±3	No	0.11	70	B/C	No	M	No	No	P	T	No	0	No		12	480.00		
ONKYO	Integra	20-20		0.065	58	B/C	Yes	M	Yes	No	A/PH	E/R	Yes	2	Yes	Yes	18	709.95	Three motors; real-time counter; quick reverse.	
	TA-RW909(RI)	20-17		0.065	58	B/C	Yes	Yes	No	No	PH	T	Yes		Yes	Yes	13	424.95	Two motors; quick reverse.	
	TA-RW505	20-17		0.07	58	B/C	Yes	Yes	No	No	PH	T	Yes		Yes		13	334.95	Auto reverse in both wells; high-speed dubbing.	
	TA-RW544	20-17		0.07	58	B/C	Yes	Yes	No	No	PH	T	Yes		Yes		13	249.95	As above.	
	Integra	20-20	Yes	0.045	60	B/C	Yes	A/M	Yes	No	PH	E/R					16	799.95	Three motors; real-time counter.	
	TA-6711	20-20	Yes	0.045	60	B/C	Yes	M	Yes	No	PH	E/R					11	399.95	As above; dual capstan.	
	TA-6510	20-19		0.07	58	B/C	Yes	M	Yes	No	PH	T					11	229.95	Two motors.	
TA-6210	20-19		0.07	58	B/C	Yes	M	Yes	No	PH	T					11	229.95			
TA-R440	20-19		0.07	58	B/C	Yes	M	Yes	No	PH	T	Yes				11	279.95			
OPTIMUS	SCT-53	25-16		0.12	54	B	No	A			P	T	Yes	0	Yes		8	129.99	High-speed dubbing. As above.	
	SCT-49	50-16		0.10	54	B/C	No	A			P	T/E	Yes	0	Yes		10	149.99	As above.	
	SCT-56(RO)	35-16		0.07	55	B/C	Yes	A	Yes	Yes	P	T	Yes	0	Yes		10	199.99	As above; CD sync; auto reverse in both wells.	
	SCT-86	250-10 ±3	No	0.15	52	B	No		No	No	P	T	No	2	No			79.99		
PIONEER	CT-W616DR	20-20		0.09	90	B/C†	Yes	A	Yes	Yes	P	T/E	Yes	0	Yes		10	300.00	†DPS digital noise reduction in playback.	
	CT-W606DR	20-20		0.09	90	B/C†	Yes	Yes	Yes	Yes	P	T/E	Yes	0	Yes		10	285.00		
	CT-W205R	20-16.5	No	0.09	76	B/C	No	Yes	Yes	No	PH	E	Yes	0	Yes	No	9	220.00		
	CT-W404R	20-16.5	No	0.09	57	B/C	Yes	Yes	Yes	No	PH	E	Yes	0	Yes	No	9	235.00		
REVOX	B-21(RO)	30-20 ±3	Yes	0.1	73	B/C	Yes	A	Yes		P/PH	E/R	No	0	No	Yes	22	2995.00	Dual capstan; three motors; microprocessor-controlled.	
ROTEL	RD 960BX(RI)	30-18 ±3	No	0.035	55	B/C	Yes	M	Yes	No	P	E	No	0	No	No	13	650.00		
SANSUI	D-X510WR		No			B	No		Yes	No	P	T	Yes	0	Yes		9	269.00	High-speed dubbing. As above.	
	D-X310W		No			B	No		Yes	No	P	T	Yes	0	Yes		9	159.00		
SONY	TC-KE400S	30-18 ±3	No	0.13	58	B/C/S	Yes	No	Yes	No	P	E	No	0	No	No	8	250.00		
	TC-KE500S	30-19 ±3	Yes	0.085	58	B/C/S	Yes	No	Yes	No	P	E	No	0	No	No	9	360.00		
	TC-WE305	30-15 ±3	No	0.16	58	B	No	No	No	No	P	T	No	0	No	No	8	120.00		
	TC-WE405	30-18 ±3	No	0.15	58	B/C	Yes	No	No	No	P	E	Yes	0	Yes	No	9	180.00		
	TC-WE605S(RO)	30-19 ±3	No	0.13	58	B/C/S	Yes	No	Yes	No	P	E	Yes	0	Yes	No	9	250.00	System interface bus.	
	TC-WE805S(RO)	30-19 ±3	No	0.13	58	B/C/S	Yes	No	Yes	No	P	E	Yes	0	Yes	No	9	350.00	As above.	

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# CASSETTE DECKS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	Frequency Response Hz to kHz, ±dB	Monitoring Off Tape During Recording?	Wow & Flutter, Weighted Peak, %	S/N without Noise Reduction, A-Weighted, dB	S/N with Noise Reduction, A-Weighted, dB	Noise-Reduction Circuit, Dolby B=B, Dolby C=C, Dolby S=S	FX P/T Circuit?	Bias Fine Tuning, Auto=A, Manual=M	Program Search?	Intro Scan?	Level Indicators: Average=A, Peak=P, Peak-Hold=PH	Counter Indicators: No of Turns=T, Elapsed Time=E, Remaining Time=R	Auto Reverse?	Number of Mike Inputs	Dual Wells?	Timer Record/Play?	Weight, Pounds (To Nearest Pound)	Price, \$	Notes
SONY ES	TC-KA1ES	20-19 ±3	No	0.085	61		B/C/S	Yes	No	Yes	No	P	E	No	0	No	No	9	350.00	Dual capstan.
	TC-KA2ES	20-20 ±3	Yes	0.06	61		B/C/S	Yes	No	Yes	No	P	E	No	0	No	Yes	10	550.00	
	TC-KA3ES	20-22 ±3	Yes	0.04	61		B/C/S	Yes	No	Yes	No	P	E	No	0	No	Yes	17	950.00	
	TC-WA7ES	30-19 ±3	No	0.13	58		B/C/S	Yes	No	Yes	No	P	E	Yes	0	Yes	No	9	350.00	
	TC-WA8ESA	30-19 ±3	No	0.13	58		B/C/S	Yes	No	Yes	No	P	E	Yes	0	Yes	No	9	550.00	
TC-WA9ES	25-19 ±3	No	0.09	59		B/C/S	Yes	No	Yes	No	P	E	Yes	0	Yes	Yes	14	950.00	Pitch control.	
TANDBERG	TCD 3014A	18-23 ±1.5	Yes	0.06		74	B/C	No	M	Yes	No	A	T/E	No	0	No	Yes	22	3995.00	Phase compensation; dynamically adjusted record EQ.
TEAC	W-6000R(RI)	25-19	No	0.06	59		B/C	Yes	A	Yes	No	P	T	Yes	2	Yes		15	750.00	Bidirectional record and play; auto reverse in both wells; auto fade in/out.
	W-850R	25-19	No	0.06	59	79	B/C	Yes	A	Yes	Yes	P/PH	T	Yes	2	Yes		11	369.00	
	W-780R	25-19	No	0.06	59	79	B/C	Yes	A	No	No	PH	T	Yes	0	Yes		10	219.00	
	W-518R	30-16	Yes	0.09	55	65	B	No	No	No	No	A/P	E	Yes	0	Yes	Yes	7	179.00	
	W-416	30-16	No	0.09	55	65	B	No	A	No	No	P	T	Yes	0	Yes		7	149.00	
	V-8030S	15-21 ±3	Yes	0.22	60	70	B/C/S	Yes	M	Yes	Yes	A/PH	E/R	No	0	No	Yes	21	1150.00	
	V-6030S	15-21 ±3	Yes	0.27	60	70	B/C/S	Yes	M	Yes	Yes	A/PH	E/R	No	0	No	Yes	19	950.00	
	V-2030S	15-21 ±3	Yes	0.045		84	B/C/S	Yes	M	No	No	P	E	No	0	No		11	650.00	
	V-1030S(RO)	15-21 ±3	Yes	0.045		60	B/C	Yes	M	No	No	P		No	0	No		13	400.00	
	V-610(RO)	25-19	No	0.06	59	79	B/C	Yes	A	Yes	Yes	PH	T	No	0	No		10	239.00	
	V-375	30-16	No	0.09	55	65	B	No	A	No	No	P	T	No	0	No		7	119.00	
R-560(RO)	25-19	No	0.06	59	79	B/C	Yes	A	Yes	Yes	PH	T	Yes	0	No		10	289.00		
TECHNICS	RS-TR575	20-18 ±3	Yes	0.1	56	74	B/C	Yes	A	Yes	No	PH		Yes		Yes		10	249.95	Two motors; record calibration, power loading.
	RS-TR272(RO)	40-15 ±3	Yes	0.18		64	B	Yes	A	No	No		E/R	No	0	Yes	No	9	169.95	Two motors. As above.
	RS-TR373	20-18 ±3	Yes	0.1	56	74	B/C	Yes	A	No	No	PH		Yes	0	Yes	No	10	199.95	
RX-BX501(RO)	20-18 ±3	Yes	0.1	66	74	B/C	Yes	A	Yes	No	PH		Yes	0	No	No	8	229.95		
YAMAHA	KX-390(RO)	20-19 ±3	No	0.07	58	74	B/C	Yes	A/M	Yes	Yes	P/PH	E	No	0	No	No	10	249.00	Three motors. High-speed dubbing. As above; surround processing; recording in both wells.
	KX-690(RO)	20-21 ±3	Yes	0.07	60	80	B/C/S	Yes	A/M	Yes	Yes	P/PH	E/R	No	0	No	Yes	11	599.00	
	KX-W392(RO)	20-19 ±3	No	0.08	58	74	B/C	No	Yes	Yes	Yes	P/PH	E	Yes	0	Yes	No	11	249.00	
	KX-W492(RO)	20-20 ±3	No	0.08	58	74	B/C	Yes	Yes	Yes	Yes	P/PH	E	Yes	0	Yes	No	11	299.00	
	KX-W592(RO)	20-20 ±3	No	0.08	58	74	B/C	Yes	Yes	Yes	Yes	P/PH	E	Yes	0	Yes	No	11	399.00	

# DIGITAL PLAYER/RECORDERS

MANUFACTURER	Model (RI)=Remote Included, (RO)=Remote Optional	Format — See Code	Recording Sampling Rates: 48 kHz = A, 44.1 kHz = B, 32 kHz = C	Frequency Response, Hz to kHz, ±dB	Dynamic Range, dB	D/A Converter: Number of Bits—Oversampling Rate	A/D Converter: Number of Bits—Oversampling Rate	Inputs: Mike=M, Line=L, Coaxial Digital=C, Optical Digital=O	Outputs: Line=L, Line with Level Control=LL, Highpin=H, Highpin with Level Control=HL, Coaxial Digital=C, Optical Digital=O	Headroom (Margin) Indicator?	ID3: Auto Encode=A, Manual Encode=M, Removable=R, Skip ID=S, End ID=E, ID Erase=X	Repeat Functions: Entire Tape or Disc=A, Track=B, Program=C	audible Fast Search?	Price, \$	Notes
DENON	OMD1300	MD	B†	20-20 ±2	96	18-8X	16-64X	L/O	L/HL/O	Yes	A/R/S/E/X	A/B	Yes	799.00	†Converts 48- and 32-kHz input signals to 44.1 kHz.
ELITE	PDR-99(RI)	CD-R	B			1-384X		L/C/O	L/HL/C/O	No	A/M/S	A/B/C	Yes	2000.00	Sampling-rate conversion for 32- or 48-kHz signals.
PIONEER	PDR-05(RI)	CD-R	B	2-20	†			L/C/O	L/HL/C/O	No	A/M/S	A/B/C	Yes	1970.00	†Record/play mode, 90 dB, playback mode, 96 dB.
	PDR-04(RI)	CD-R	B	2-20	97	1-8X	16	L/C/O	L/HL/C/O		A/M/S/E	A/B/C	Yes	1185.00	
SHARP	MD-MS100(RI)	MD	B	20-20 ±3		1	1	M/L/O	LL	No	A/M/S/E/X	A/B	Yes	600.00	Portable; 100-character title; anti-shock memory; synchronized sound recording.
	MD-S50(RI)	MD		20-20 ±3		1		L	LL	No	A	A	Yes	400.00	Portable; playback only; anti-shock memory.
	MD-X3	MD	B	20-20		90	1	L/O	L/LL/O		A/M/S/E/X		Yes	1000.00	Multi-editing functions; three-disc drawer-load CD changer and one-disc MD.
	MD-R1	MD	B	20-20		1		L/C/O	L/LL/O		A/M/S/E/X	A/B/C	Yes	600.00	Synchronized sound recording; program editing; mono record mode; sampling-rate conversion for 48- and 32-kHz input signals.
SONY	DTC-700	DAT	B	2-22 ±0.5	90	1	20	L/C/O	L/HL/O	Yes	A/M/R	A/B	Yes	800.00	Three-motor mechanism; Super Bit Mapping.
	TCD-D100(RI)	DAT	A/B/C	20-22 ±1	87	1-8X		M/L/C/O	L/HL/C/O	Yes	A/M/R/S/E/X		Yes	999.00	Portable; selectable sampling rates for analog signals.
	TCD-D8(RI)	DAT	A/B/C	20-22 ±1	87	1-8X		M/L/C/O	L/HL/C/O	Yes	A/M/R/S/E/X		Yes	899.00	As above.
	WMD-DT1(RI)	DAT		20-22 ±1, -1.5	87	1-8X		(2)HL				B	Yes	499.00	Portable player.
	MZ-B3(RI)	MD	B	20-20 ±1				M	HL	Yes	A/M/R/X	A/B	Yes	899.00	Portable; stereo and mono recording; built-in microphone and speaker; voice-operated recording; 10-second anti-shock memory.
MZ-R30(RI)	MD	B†	20-20 ±3				M/L/O	L/HL	Yes	A/M/R/X	A/B	Yes	449.00	Portable; jog dial; headphone remote. †Sampling-rate conversion for 48- and 32-kHz input signals.	
MZ-E30(RI)	MD		20-20 ±3					HL			A/B	Yes	469.00	Portable player; headphone remote.	
MZ-F40(RI)	MD		20-20 ±3					HL			A/B	Yes	449.00	Portable player; AM/FM tuner.	
MZ-E40(RI)	MD		20-20 ±3					HL			A/B	Yes	199.00	Portable player.	

(Continued)



# DIGITAL PLAYER/RECORDERS

MANUFACTURER	Format (RI) = Remote Included, (RO) = Remote Optional	Format — See Code	Recording Sampling Rates: 48 kHz = A, 44.1 kHz = B, 32 kHz = C	Frequency Response, Hz to kHz, ±dB	Dynamic Range, dB	D/A Converter: Number of Bits—Oversampling Rate	A/D Converter: Number of Bits—Oversampling Rate	Inputs: Mike=M, Line=L, Coaxial Digital=C, Optical Digital=O	Outputs: Line=L, Line with Level Control=LL, Hdopin=H, Hdopin with Level Control=HL, Coaxial Digital=C, Optical Digital=O	Headroom (Margin) Indicator?	Ids: Auto Encode=A, Manual Encode=M, Remumerate=R, Skip ID=S, End ID=E, ID Erase=X	Repeat Functions: Entire Tape or Disc=A, Track=B, Program=C	Audible Fast Search?	Price, \$	Notes
SONY (Continued)	MDS-JE510(RI) MDS-JE700(RI) MDS-S38(RI)	MD MD MD	B B† B	5-20 ±0.3 5-20 ±0.3 5-20 ±0.3	96 96 96	1 1 1	20-8X 20-8X 20-8X	L/C/O L/C/O L/O	L/HL L/HL L/HL	Yes Yes Yes	A/M/R A/M/R A/M/R	A/B/C A/B/C A/B/C	Yes Yes Yes	299.00 699.00 299.00	
SONY ES	MDS-JA3ES(RI) DTC-ZA5ES(RI)	MD DAT	B† A/B/C	5-20 ±0.5 2-22 ±0.5	93	20-64X		M/L/C/O M/L/C/O	L/HL/O L/HL/O	No Yes	A/M/R/S/E/X A/M/R/S/E/X	A/B/C A/B/C	Yes Yes	1200.00 1600.00	†Sampling-rate conversion for 48- and 32-kHz input signals. Four-motor mechanism; Super Bit Mapping.

# BLANK TAPES & DISCS

MANUFACTURER	Brand	Tape Type—See Code	ANALOG CASSETTE		DCC		DAT		MD		CD REC.		Notes				
			C-60	C-74, C-75, or C-76	C-90	C-100	C-120	D-60	D-90	R-60	R-90	R-120		M-60	M-74	CD-R-63	CD-R-74
FUJI	DR-I DR-II Z ZII Metal Z DAT MD-Z	I II III IV	X X X X	X X X X	X X X X												
JVC	GI AFI AFII XFIV DCC MD DAT	I II IV	X X X X	X X X X													C-30 D-75 R-100
LORAN	Loran Loran	II	X	X													
MAXELL	UR UDII-CD XLII XLII-S MX-S R-DM MD CD-R	I II III IV	X X X X	X X X X	X X X X												C-110 R-46
MEMOREX	dfs CD2 MD 74 Single Clamshell MRX	I II	X X	X X													C-46 C-110
PANASONIC	RT-RP							X	X	X							R-46
PIONEER	RDD-74A																X
RADIO SHACK	MP-X HD XR LN	IV II I I	X X X X	X X X X													C-110 As above C-30
SONY	HiFi UX CD-IT CD-IT PRO MTLSR DAT MDW	I II III IV	X X X X	X X X X	X X X X												C-54 R-74
TDK	D SA SA-X CDing-I CDing-II MA MA-X CD-RXG CD-R63  CD-R74 DA-R MD-XG	I II II I II IV IV	X X X X X X X X	X X X X X X X X	X X X X	X X											C-30 and C-50  C-110 As above
								X	X	X	X	X	X				Includes TDK CD writer pen; custom silk-screening; ink-jet printable surfaces. As above; removable paper label. R-16 and R-180.

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V.G. Killeen, TX

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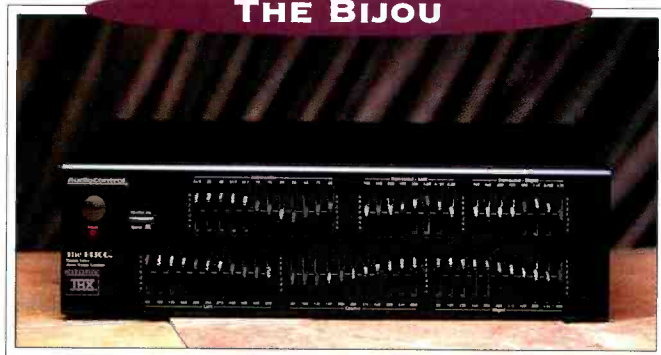
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### C-101 SERIES THREE



Analyzer/Equalizer



# EQUALIZERS

MANUFACTURER	Model (R)=Remote Included, (RO)=Remote Optional	Number of Channels	Number of Bands per Channel	Bandwidth, Octaves	Switched Tape EQ?	Unity Gain Control?	Rated Output, V rms	THD at Rated Output, %	S/N, A-Weighted, dB	Variable Center Frequencies?	Variable Filter "Q"?	Boost/Cut Range, ±dB	Real-Time or Spectrum Analyzer?	Test Generator? Pink Noise=P	With Calibrated Mike?	Number of Memories	Number of Tape Monitors	Infrasonic (Subsonic) Filter?	Price, \$	Notes
AB INTERNATIONAL	215	2	15	2/3	No	Yes	0.01	101	No	No	12	No	No	No	No	0	0	Yes	377.00	
	215LT	2	15	2/3	No	Yes	0.01	101	No	No	12	No	No	No	No	0	0	Yes	481.00	
	131	1	31	1/2	No	Yes	0.01	101	No	No	12	No	No	No	No	0	0	Yes	367.00	
	131LT	1	31	1/2	No	Yes	0.01	101	No	No	12	No	No	No	No	0	0	Yes	438.00	
	231	2	31	1/2	No	Yes	0.01	101	No	No	12	No	No	No	No	0	0	Yes	648.00	
ACCUPHASE	DG-28	2	†	†	Yes	Yes	5	0.004	115	No	No	12	Yes	W	Yes	4	0	No	8200.00	Digital; optical and coaxial inputs and outputs; optional balanced and unbalanced analog inputs and outputs; automatic adjustment to user-set EQ curve, based on mike input. †Selectable, 64 1/6-octave or 32 1/2-octave bands.
APOGEE SOUND	CRO-12A	2	6	.04-2	No	Yes		0.003	110	Yes	Yes	+15, -20	No	No	No	0	0	No	3393.00	
AUDIO CENTRON	GE231	2	31	1/2	No	Yes	9	0.03	95	No	No	12	No	No	No	0	0	Yes	495.00	
	GE131	1	31	1/2	No	Yes	9	0.03	95	No	No	12	No	No	No	0	0	Yes	280.00	
	GE215	2	15	2/3	No	Yes	9	0.06	95	No	No	12	No	No	No	0	0	No	280.00	
AUDIOCONTROL	The Bijou	7	†	†	No	No	6.0			No	No	6	No	No	No	0	0	No	995.00	Seven-channel Home THX EQ. †Three front channels, 11 bands, 1/2 octave; subwoofer channels, 12 bands, 1/6 octave, surround channels, eight bands, 2/3 octave.
	Rialto	7	11	2/3	No	Yes	7	0.008	113	No	No	12	No	No	No	0	0	Yes	599.00	Includes 24-dB/octave Linkwitz-Riley crossover (see also "Crossovers"); 5.1 surround compatible.
	C-131	1	30	1/2	No	Yes	7.5	0.002	112	No	No	15	No	No	No	0	1	†	529.00	Constant Q; balanced and unbalanced inputs and outputs. †Variable infrasonic filter.
	R-130	2	30	1/2	No	Yes	7.5	0.002		No	No	15	Yes	P	Yes	0	1	No	649.00	Real-time analyzer for model above; balanced and unbalanced inputs.
	C-101 Series III	2	10	1	Yes	No	7.5	0.005	120	No	Yes	15	Yes	P	Yes	0	1	Yes	459.00	
	Ten Series III Architect	2	10	1	Yes	No	7.5	0.005	120	No	Yes	15	No	No	No	0	1	Yes	219.00	
AUDIOSOURCE	EQ Eight/II	2	10	1	Yes	No	5	0.03	80	No	No	12	Yes	No	No	0	1	No	159.95	
	EQ Eleven	2	10	1	Yes	Yes	6.4	0.03	85	No	No	12	Yes	No	No	0	2	No	199.95	
	EQ Fourteen	2	10	1	Yes	Yes	7	0.015	98	No	No	12	Yes	P	Yes	0	2	Yes	349.95	
BRIGHT STAR AUDIO	EFC	2		1/2	No	No	10.5	0.02		No	No		No	No	No	0	0	Yes	450.00	For Bright Star Altair series loudspeakers.
CELLO LTD.	Audio Palette-MIV	2	6	Var.	Yes	Yes	15	0.005	80	No	No	Var.	No	No	No	0	0	No	22.000	
	Audio Palette-STD	2	6	Var.	Yes	Yes	15	0.005	80	No	No	Var.	No	No	No	0	0	No	20.000	
	Palette Preamp	2	6	Var.	No	Yes	9	0.005	80	No	No	Var.	No	No	No	0	2	No	8500.00	Preamp/EQ (see also "Preamps").
DB SYSTEMS	DB-5	2	6				4	0.0008	108	Yes	15							540.00	Model DB-2A power supply or DBP-1 cable required.	
ESOTERIC SOUND	Re-Equalizer	2	2	10	No	No	3.5	0.02	85	No	No	16	No	No	No	36	0	No	316.00	For replay of early LPs, 78s, and transcriptions.
HARRISON LABORATORIES	SE-MOD	2	15	1/2	No	No	2.5	0.08	90	No	No	+3, -24	Yes	P	No	0	0	Yes	459.00	Each channel's EQ bands on alternating frequencies; usable as crossover with multiband EQ for each speaker (see also "Crossovers"); switchable noise gate; without display, \$351.00.
INTERACTIVE LABS	Five-Q	5	5	1.5	No	Yes	8	0.01	100	No	No	15	No	No	No	0	0	No	1199.00	On/off triggering for Fatboy power amp.
	Little-Q	3	5	1.5	No	Yes	8	0.01	100	No	No	15	No	No	No	0	0	No	999.00	On/off triggering for Littleboy power amp.
JPS LABS	The Golden Flutes	1	1		No	No	9.5	0.005		No	No	†						Yes	389.00	Pair Bass-alignment filters available for 50 speaker models; with fully balanced circuitry, \$599.00 per pair. †Fixed boost (amount depends on speaker).
JRM	Remote Unit	2	9		Yes	Yes	10	0.001	110	No		8						Yes	1575.00	JRM preamp, DA-20 preamp/DAC, or 3PBP crossover required; continuously variable loudness.
KAB ELECTRO-ACOUSTICS	Souvenir EOS	2					3.5	0.1	70	No	No		No	No		4			500.00	Phono stage (see also "Preamps"); one 78-rpm and three LP EQ curves; switchable mono blend.
KENWOOD	1070KE	2	14		Yes	No	7	0.006	100	No	No	12	Yes	No	No	30	1	No	300.00	
	KE-2060	2	7		No	No	6	0.01	92	No	No		Yes	No	No	10	1	No	140.00	
MANLEY LABS	Enhanced Pultec EQP1-A	1	18	Var.	No	Yes	8	1	90	Yes	Yes	10	No	No	No	0	0	No	2150.00	Tube; balanced in; polarity reversal.
	Mid Frequency EQ	1	11	Var.	No	Yes	8	1	90	Yes	Yes	10	No	No	No	0	0	No	1750.00	As above.
	Contour Shelf EQ	1	6	Var.	No	Yes	8	1	90	Yes	Yes	10	No	No	No	0	0	No	2000.00	Tube.
	Playback EQ	1	6	Var.	No	Yes	8	1	90	Yes	Yes	10	No	No	No	0	0	No	1500.00	As above; five line inputs; polarity reversal.
ONKYO	EQ-101	2	7	1	Yes	No	0.01	100	No	No	12	No	No	No	No	0	1	No	180.00	
	EQ-201	2	7	1	Yes	No	0.01	100	No	No	12	Yes	No	No	No	0	1	No	270.00	
	Integra EQ-35	2	12	1	Yes	Yes	0.01	100	No	No	10	No	P	No	No	0	2	No	385.00	†Selectable, ±6 or ±12 dB.

# EQUALIZERS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Number of Channels	Number of Bands per Channel	Bandwidth, Octaves	Switched Tape EQ?	Unity Gain Control?	Rated Output, V rms	THD at Rated Output, %	S/N, A-Weighted, dB	Variable Center Frequencies?	Variable Filter "Q"?	Boost/Cut Range, ±dB	Real-Time or Spectrum Analyzer?	Test Generator?	Pink Noise-F	With Calibrated Mike?	Number of Memories	Number of Tape Monitors	Infrasonic (Subsonic) Filter?	Price, \$	Notes
OPTIMUS	31-2030	2	10	1	Yes	Yes	1	0.015	95	No	No	12	Yes	No	No	0	2	No		129.99	
PARASOUND	R/EQ-150	2	5	½	No	Yes	5	0.05	88	No	No	8	No	No	No	0	0	No		145.00	Half-rack width.
PIONEER	GR-777(RI) GR-555 GR-470(BK)	2 2 2	10 7 7	1 1¼ 1¼	Yes Yes Yes	Yes Yes Yes		0.02 0.02 0.03	110 104 106	No No No	No No No	10 10 10	Yes Yes No	No No No	No No No	5 0 0	1 1 1	No No No	410.00 260.00 135.00		
RANE	RPE 228 MQ 302 THX 44 SSE 35 SSE 22 ME 60 ME 30B ME 15B PE 17	2 2 4 3 2 2 1 2 1	28 30 13 11 13 30 30 15 5	½ ½ ½ ¾ ½ ½ ½ ¾ -03-2.0	No No No No No No No No No	No No No No No Yes Yes Yes Yes	9 9.75 3.5 3.5 3.5 1.2 1.2 1.2 1.2	0.001 0.009 0.015 0.015 0.001 0.008 0.009 0.009 0.005	94 96 120 100 120 94 98 98 98	No No Yes No Yes No No No Yes	No No Yes No Yes No No No Yes	12 12 6 6 6 12 12/6 12/6 +12,-15	No No No No No No No No No	No No No No No No No No No	No No No No No No No No No	16 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	No No No No No Yes Yes Yes Yes	1249.00 399.00 1299.00 699.00 599.00 699.00 419.00 429.00 549.00	RS-232 serial control using Raneware software under Windows 3.1 or Windows 95. Both channels ganged on one set of sliders. 11-band graphic and two-band parametric on left, center, and right channels; two-band parametric on subwoofer channel. ½-octave equalized stereo subwoofer outputs; low-pass filter, selectable at 100 or 125 Hz. Graphic and parametric filters for each channel. Constant Q. As above; balanced and unbalanced inputs and outputs. As above. Parametric.	
SANSUI	SE-4200 SE-2200 SE-2100	2 2 2	10 10 10		Yes Yes Yes	No No No				No No No	No No No	12 12 12	Yes No No	No No No	No No No	0 0 0	0 0 0	No No No	179.00 139.00 139.00		
SONY	SEQ-711(RI)	2	7														10			290.00	
SPL	Optimizer 9318 Stereo Vitalizer 9319	2 2	4 4		Yes Sel.	Sel. Sel.	0.002 0.002	86 75	Yes Yes	Yes Yes	12 12	No No	No No	No No	No No	0 0	0 0	No No	1699.00 599.00	†Four-band mono or two-band stereo. Balanced and unbalanced input and output; proportional-Q filters. Signal-controlled parametric equalization, phase manipulation, and harmonic restoration (see also "Signal Processors").	
SYMETRIX	531E 532E 533E 551E	1 2 2 1	31 31 31 5	½ ½ ½ -02-2.0	No No No No		10 10 10 9.8	0.002 0.002 0.002 0.004	117 117 117 117		Yes Yes	6/12 6/12 6/12 16	No No No No	No No No No	No No No No				579.00 699.00 929.00 429.00	Parametric; each filter spans full audio band; high- and low-cut filters.	
TEAC	EQA-220 EQA-190 EQA-120	2 2 2	10 10 10	1 1 1	Yes Yes No	No No No		0.01 0.01 0.01	90 90 90	No No No	No No No	12 12 12	Yes No No	No No No	No No No	0 0 0	1 1 1	No No No	129.00 119.00 99.00	Line/tape input select; source/tape monitor. Line/tape input select.	
TECHNICS	SH-GE70 SH-8038	2 2	7 7			1 1	0.03 0.01	105 110					Yes No			12 1	1 1		209.95 129.95		
YAMAHA	EQ-70 EQ-550	2 2	10 10	1 1	Yes Yes	Yes Yes	5.4 1	0.005 0.005	105 105	No No	No No	12 12	No Yes	No P	No Yes	0 0	1 1	No Yes	199.00 399.00		

# SURROUND SOUND & AMBIENCE PROCESSORS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Decoding Type—See Table	UNIT TYPE		INPUTS & OUTPUTS							Price, \$	Notes				
			D/R/F/O	3	Number of Digital I/Inputs	Dolby Digital (AC-3) RF Input?	Number of Video Inputs	Number and Use of Outputs—See Code	Number of Tape Monitors	Number of Hall/Room Simulations	Hall/Room Simulation Adjustment?			Stereo Simulation?	Preamp Functions: Volume = V, Tone = T, Source Selection = S	Continuous Amp Power, Watts per Channel	THD, %
ADCOM	GTP-740(RI) GTP-600(RI) GSA-700(RI) GDD-1	DP/3/O DP/O DP/O 3	D/R/F/O D/R D/R 3	3 No No Yes	6 4 2 4	Yes No No Yes	3F, 2S, SW 3F, 2S, SW 3F, 2S, SW 3F, 2S, SW	1 3 3 3	5 3 3 3	Yes Yes Yes No	No Yes Yes V/S	V/T/S V/T/S V/T/S V/S				1400.00 1100.00 800.00 800.00	Tuner/preamp/surround (see also "Tuners" and "Preamps"). As above; S-video and composite-video inputs and outputs; learning remote.



*"Any sufficiently advanced technology is indistinguishable from magic..."*

Arthur C. Clarke



*Lexicon introduced audio recording professionals to the first digital signal processor in 1974.*

*For the past 25 years, Lexicon digital processors have been relied upon by recording artists, producers and directors in the world's most demanding audio environments.*

The superb new DC-1 Series of Digital Controllers combines Lexicon's legendary digital signal processing capabilities, known to audio professionals the world over, with the latest in home theater technology: highly accurate implementations of Dolby® Pro Logic and Dolby Digital® Surround decoding with all the enhancements of Lucasfilm Home THX® Cinema.

The new DC-1 is available in three versions with remote control including an advanced Dolby® Digital model.

• **More than a Surround Preamplifier**

The DC-1 is a sophisticated signal processing computer that can be custom-tailored for any audio system. It combines the functions of a preamp, D-to-A converter, surround sound processor and Audio/ Video switcher. It puts you in control of the entire home theater environment – from playing digital disks to dubbing a videotape – even controlling the volume of a system in another room.

• **Advanced all-digital technology**  
All signal processing, (including filters, equalization & crossovers), is achieved in the digital domain, while true 20-bit Digital-to-Analog converters surpass the performance of exotic stand-alone units. A built-in audio/video switcher

incorporates eight analog inputs which can be programmed for any digital and video source while four digital inputs can be assigned to any input combination.

• **Superlative audio quality**

The culmination of decades of digital audio experience, the DC-1 can realistically recreate a live musical performance or envelop you in film sound that exceeds most theater experiences.

Whether listening to one of Lexicon's proprietary multi-channel effects or listening to a discrete digital sound-track recorded in Dolby Digital or DTS, the sonic performance of the DC-1 is unmatched.

Our on-going research and commitment to innovation assures that Lexicon – and you – will stay at the forefront of home theater technology.



INNOVATIONS  
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*The DC-1 features tomorrow's surround sound technology; invest today or easily upgrade later with a plug-in decoder.*

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CIRCLE NO. 90 ON READER SERVICE CARD

# SURROUND SOUND & AMBIENCE PROCESSORS

MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Decoding Type—See Table	UNIT TYPE		INPUTS & OUTPUTS							Stereos Simulation Adjustment?	Stereos Simulation?	Preamp Functions: Volume = V, Tone = T, Source Selection = S	Continuous Amp Power, Watts per Channel	THD, %	S/N, A-Weighted, dB	Price, \$	OUTPUT CODE
			Processing Techniques: Delay=D, Reverb=R, Frequency Shaping=F, Comb Filtering=C, Phase Manipulation=P, Other=O	Number of Digital Inputs	Dolby Digital (AC-3) RF Input?	Number of Video Inputs	Number and Use of Outputs—See Code	Number of Tape Monitors	Hall/Room Simulations	Number of Hall/Room Simulations	Notes								
AMC	AV81HT(RI)	D/DP		0	No	4	3F, 2S, SW	4	1				V/T/S		0.01	95	749.95	Preamp/surround (see also "Preamps"); upgradable to THX 4.0 or Dolby Digital (AC-3); with front-panel input and mode selectors, AV81HTC, \$799.95. Preamp/surround (see also "Preamps"); upgradable to Dolby Digital at expense of losing THX. 40 watts shared for surround channels.	
	AV81HT-THX (RI)	D/DP/THX		0	No	4	3F, 2S, SW	4	0				V/T/S		0.01	95	1199.95		
	PRO 7(RI)	D/DP		0	No	0	3F, 2S, SW	1	2	Yes			V/S	40 x 1, 40 x 1	0.13	80.5	399.95		
AMFI	Amfitheater 2	D/DP/3											V/S				\$699.00	Tuner/preamp/surround.	
ARCAM	Xeta 2(RI)	D/DP	D/R/F	0	No	4	3B	2	1	Yes	No		V/T/S		0.05		1200.00	Amp/surround (see also "Amplifiers").	
AUDIO DESIGN ASSOCIATES	Cinema Reference	DP/3/DTS/THX	D/R/F/C/P	9	Yes	14	3F, 2S, SW	1			Yes	Yes	V/S					For use with model below.	
	DTS-1	DP	D	2			3F, 2S, SW					Yes			0.03		999.00		
	SSD-66	DP	D				3F, 2S, SW					Yes			0.003		1799.00		
	SSD-66THX	DP/THX	D/O			4	3F, 2S, SW					Yes			0.005		3149.00		
AUDIO RESEARCH	Olympus III	D/DP/3	D/O			3	3F, 2S, SW				Yes	Yes			0.005		3999.00	Tube surround controller.	
	SOP1	O	D			0	3B	0							0.01	100	2995.00		
AUDIOSOURCE	SS-Five(RI)	D/DP	D/F/P	0	No	0	3F, 2S, SW	1	1	No	Yes	V	24 x 2	0.01	90	299.95	Variable delay, 22 to 45 mS.		
	SS-Six(RI)	D/DP	D/F/P	0	No	0	3F, 2S, SW	1	1	Yes	Yes	V	24 x 2	0.01	90	329.95			
B & K COMPONENTS	AVP1000(RI)	D/DP	D	0	No	4	3F, 2S, SW	1	7	No	No	V/S		0.02	96	998.00	Tuner/preamp/surround (see also "Tuners" and "Preamps"); upgradable to Dolby Digital (AC-3) and DTS. As above; upgradable to DTS. Two-zone preamp/surround (see also "Preamps"); upgradable to Dolby Digital and DTS. As above; upgradable to DTS. Two-zone preamp/surround (see also "Preamps"). Tuner/preamp/surround (see also "Tuners" and "Preamps").		
	AVP1030(RI)	D/DP/3	D	6	No	4	3F, 2S, SW	1	7	No	No	V/S		0.02	96	1998.00			
	AVP2000(RI)	D/DP	D	0	No	4	3F, 2S, SW	2	7	No	No	V/S		0.02	96	998.00			
	AVP2030(RI)	D/DP/3	D	6	No	4	3F, 2S, SW	2	7	No	No	V/S		0.02	96	998.00			
	AVP3090(RI)	D/DP/3/DTS	D	6	No	4	3F, 2S, SW	2	7	No	No	V/S		0.02	96	2498.00			
CARVER	AVP4090(RI)	D/DP/3/DTS	D	6	No	4	3F, 2S, SW	1	7	No	No	V/S		0.02	96	2498.00	Tuner/preamp/surround (see also "Tuners" and "Preamps").		
	CT-26V(RI)	DP				1	3F, 2S	1					V/T/S			91		649.00	
CINEPRO PROFESSIONAL	dtc-1(RI)	D/DP/3/DTS	D/R/F/C/P/O	6	No		3F, 2B, SW		3	No	No	V/S		0.005	118	3495.00	Preamp/surround (see also "Preamps"); all-digital processing; analog switch box, \$995.00; motorized rotary controls. Three two-channel D/A converters.		
	msc-3(RI)	D/DP/3/DTS	D/R/F/C/P/O	12	No		3F, 2B, SW	2		Yes	Yes	V/S		0.005	135	60,000			
CITATION	7.0	DP/THX/O	D/R/F/C/P/O	0	No	8	3F, 2S, 2B, 2SW	1	5	Yes	Yes	V/T/S		0.02	90	3950.00	Auto calibration; stereo subwoofers; bass EQ. Electronic crossover; high-frequency and bass EQ; stereo subwoofers.		
	5.0	DP/3/DTS/O	D/R/F/P/O	6	No	6	3F, 2S, 2B, 2SW	1	3	Yes	Yes	V/T/S		0.02	90	3450.00			
CLASSE AUDIO	SSP 1	D/DP/3/DTS	D/R/F/C/P/O		No	12	5F, 2B, SW	1		No	Yes	V/S							
DENON	AVP-8000(RI)	DP/3/THX	D/R/F/C/P	5	Yes		3F, 2S, SW	2	13	Yes	Yes	V/T/S		0.005	105	3500.00	Tuner with RDS/preamp/surround (see also "Tuners" and "Preamps"); Proprietary DAC; optical digital output; six-channel analog input.		
	AVD-2000(RI)	DP/3	D/R/F	4	Yes	0	3F, 2S, SW	0	6	Yes	Yes	V/S		0.005	105	599.00			
DYNAACO	QD1/III	DM	P		No	0	3F, 2S										89.95	Passive; no additional amps required; with double-banana jacks, QD-2, \$140.00.	
EAD	TheaterMaster Encore(RI)	DP/3/DTS/DM	D/F/C	6	No	6	3F, 2S, SW	1	0	No	Yes	V/S		0.001	98	2495.00	Preamp/surround/DAC (see also "D/A Converters" and "Preamps"); touch screen; digital adjustable crossover; auto setup; upgradable to models below. Preamp/surround/DAC with HDCD (see also "D/A Converters" and "Preamps"); other features as above; upgradable to model below. As above.		
	TheaterMaster Ovation(RI)	DP/3/DTS/DM	D/F/C/O	6	No	6	3F, 2S, SW	1	0	No	Yes	V/S		0.001	110	3995.00			
	TheaterMaster Signature(RI)	DP/3/DTS/DM	D/F/C/O	6	No	0	3F, 2S, SW	2	0	No	Yes	V/S		0.001	113	5995.00			
ELITE	SP-99D(RI)	DP/3/O	D/R/F/O	2	Yes	0	3F, 2S, 2SW		3	Yes		V		0.008	98	1000.00	Surround/DAC (see also "D/A Converters"); analog inputs (one two-channel, one four-channel); dual center-channel outputs; one processor loop.		



# The combination of the AV-600 and five MA-500s produced a remarkable sense of envelopment and immersion in the soundtrack.

Robert Harley, Stereophile Guide to Home Theater, Summer 1996



The Marantz AV-600 THX Preamp/Tuner and MA-500 THX Monoblock Power Amplifiers are proof that high-performance home-theater sound does come in a handy six-pack. With its superb

Dolby Pro Logic decoding, THX Home Cinema processing, high-sensitivity tuner, and thoroughly intelligent switching functions, the AV-600 is the perfect front-end for demanding listeners. The companion MA-500 power amps deliver solid punch with audiophile grace, in a crosstalk-free, flexible monoblock design.



The future is here, and it fits right between the AV-600 and the MA-500s. Our DP-870 Dolby Digital AC-3 decoder features state-of-the-art Zoran DSP processing and is equipped with additional inputs for other digital AC-3 sources, such as DSS and DVD. Remarkably, the DP-870 can even be connected to many existing home theater systems that use separate surround processor and power amps, and even A/V receivers that feature 5 pre-out/main-in/subwoofer connections. Looking to add Dolby Digital to your home theater system? Look no further than the affordable Marantz DP-870.

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## AV-600 THX PREAMP/TUNER:

- premium Dolby Pro Logic decoder
- Separate circuitry for front (analog) and rear (digital) processing
- THX Home Cinema processing
- AM/FM tuner
- 5 video and 4 audio inputs with versatile copy features
- preamp outputs connect to Marantz DP-870 Dolby Digital decoder
- smart input switching selects surround mode for video sources and stereo for music sources
- separate subwoofer levels for movies and music

## MA-500 MONOBLOCK POWER

- AMPLIFIER:** high-current power amp
- 125 W continuous (into 8 ohms)
- bridge 2 MA-500s for 450 W continuous
- monoblocks provide total isolation between channels
- microprocessor-based protection
- daisy-chain connection to Marantz AV-600

THX Preamp allows remote

power-on/off

width of 5 MA-500s is the same as

conventional component

## DP870 DOLBY DIGITAL (AC-3)

### DEMODULATOR/DECODER:

- discrete 5.1 multi-channel decoding for Dolby Digital AC-3 soundtracks
- DSP decoder with Zoran AC-3 chip
- RF input connects to compatible LD
- digital AC-3 inputs for future sources with AC-3 digital output (DVD, DSS)
- channel level and balance controls
- configuration switches match output to system speakers
- connects to existing A/V systems (separate processor/power amps or A/V receiver with 5 pre-out/main in loops)

## RC2000 LEARNING REMOTE:

- total control of your A/V equipment
- learns hundreds of IR codes
- macro keys store 20 commands each for one-button operation
- LCD window and keys illuminate automatically
- ergonomic design with logically grouped functions
- LCD displays up to 32 special commands for each component
- label-naming feature
- built-in commands for popular DSS equipment
- built-in commands for Marantz and many other brands using RC-5 codes

The AV-600's surround performance was the best I've heard on my system.

The AV-600 is very well thought-out and loaded with intelligent features...

In both music and home-theater rooms, the MA-500s were impressive.

Robert Harley, Stereophile Guide to Home Theater, Summer 1996

...it's the first Dolby Digital product that makes an affordable practical add-on to an existing home theater system. For its great Dolby Digital sound quality, we can heartily recommend the Marantz DP-870.

Brent Butterworth, Home Theater Magazine, September 1996

All You Need is One



Get total control and complete convenience with the new Marantz RC2000 Learning Remote.

# SURROUND SOUND & AMBIENCE PROCESSORS

MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Decoding Type—See Table	UNIT TYPE		INPUTS & OUTPUTS										THD, %	S/N, A-Weighted, dB	Price, \$	OUTPUT CODE	Notes
			Processing Techniques: Delay=D, Reverb=R, Frequency Shaping=F, Phase Manipulation=P, Other=O	Number of Digital Inputs	Dolby Digital (AC-3) RF Input?	Number of Video Inputs	Number and Use of Outputs—See Code	Number of Tape Monitors	Number of Hall/Room Simulations	Hall/Room Simulation Adjustments?	Stereo Simulation?	Preamplifier Functions: Volume = V, Tone = T, Source Selection = S	Continuous Amp Power, Watts per Channel	THD, %					
HARMAN KARDON	ADP-303 PT2500	3	D/DP/O		3	Yes	0	3F, 2S, SW	0	0	No	No	V		0.01	98	749.00	2F—Left & Right Front 3F—Left, Center, & Right Front 2S—Left & Right Surround 2B—Left & Right Back 3B—Left, Center, & Right Back SW—Subwoofer	
	Signature 2.0	D/DP/3/0		6	No	6	3F, 2S, SW	6	3	Yes	Yes	V/T/S		0.02	95	529.00			
INTERACTIVE LABS	Duke	D/DP/3	D/F/C/P		8	Yes	16	3F, 2S, SW	2	6	Yes	Yes	V/S		0.03	85	2499.00	Tuner/preamp/surround (see also "Preamps"). As above.	On-screen display; video line doubler.
JBL	SDP-2(RI)	D/DP/3/THX/O	D/R/F/C/P/O		4	Yes	5	3F, 2S, 2B, SW	1	15	Yes	Yes	V/T/S		0.01	90	5500.00	All-digital processing; two-zone output; serial control jack; SDP-RFD RF demodulator.	
JVC	XPA1010TN (RI)	0	D/R/F/P/O		3			2F, 2S, 2B	1	†	Yes		V/S		0.002	110	1200.00	†20 preset, 20 user-settable.	
	SUA400(RI)	D/O	D/P/O					2S	1	1			V	10 x 2	0.5	85	305.00		
KENWOOD	KC-Z1(RI)	D/DP/3/THX			4	Yes		3F, 2S, SW	1	1	Yes	No	V/T/S		0.003	101	2800.00	Tuner/preamp/surround (see also "Tuners" and "Preamps").	
KRELL	Audio+Video Standard(RI)	DP/3/DTS			5	Yes	8	3F, 2S, 2B, 2SW	1				V/S				12,000	Preamp/surround (see also "Preamps").	
LEGACY AUDIO	Legacy Digital Theater(RI)	DP/3/DTS	D/F/O		4	Yes	6	3F, 2S, 2B, SW	2	2			V/S		0.03	90	2950.00	Switches six video and three analog audio inputs; six-channel digital external-processor loop.	
LEXICON	DC-1(RI)	DP	D/R/F		4	No	5	3F, 2S, 2B, SW	1	6	Yes	Yes	V/T/S		0.01	90	1995.00	DAC/preamp/surround (see also "D/A Converters" and "Preamps"); upgradable to models below.	
	DC-1 THX(RI)	DP/THX	D/R/F		4	No	5	3F, 2S, 2B, SW	1	6	Yes	Yes	V/T/S		0.01	90	2995.00	DAC/preamp/surround; upgradable to models below.	
	DC-1 Dolby Digital/THX(RI)	DP/3/THX	D/R/F		4	No	5	3F, 2S, 2B, SW	1	6	Yes	Yes	V/T/S		0.01	90	4500.00	DAC/preamp/surround; upgradable to model below.	
	DC-1 DTS/Dolby Digital/THX(RI)	DP/3/DTS/THX	D/R/F		4	No	5	3F, 2S, 2B, SW	1	6	Yes	Yes	V/T/S		0.01	90	4995.00	DAC/preamp/surround.	
	LDD-1				2	Yes	0		0								699.00	RF demodulator for laserdisc Dolby Digital (AC-3) output.	
LINN	AV 5103(RO)	D/DP/3			5	Yes	10	3F, 2S, SW	3				V/S				8495.00	Preamp/surround (see also "Preamps").	
MARANTZ	AV-600(RI)	DP/THX						3F, 2S, SW	1				V/T/S		0/01	100	1300.00	Tuner/preamp/surround (see also "Preamps").	
	AV-550(RI) DP-870(RO)	DP/3 3			3 3	Yes Yes	5	3F, 2S, SW 3F, 2S, SW					V/T/S V/S		0.01 0.01	100 100	1000.00 700.00	As above.	
McINTOSH	MX130(RI) MAC-3(RI)	DP DP/3			4	Yes	5	3F, 2S, SW 3F, 2S, SW	2	1	Yes	No	V/T/S V/S		0.005 0.005	90	4800.00 2500.00	Optional Home THX module.	
MERIDIAN	565-7.1(RO)	D/DP/3/DTS/THX/A/O	D/F/P/O		2	No		3F, 2S, 2B, 3SW	0	16	Yes	Yes	V/T/S		0.003		4995.00	MPEG-2 audio decoding.	
	565 AC-3(RO)	D/DP/3/THX/A/O	D/F/P/O		2	No		3F, 2S, 2B, 3SW	0	11	Yes	Yes	V/T/S		0.0001	119	4495.00	Upgradable through EPROM change.	
	565(RO)	D/DP/THX/A/O	D/F/P/O		2	No		3F, 2S, 2B, 3SW	0	11	Yes	Yes	V/T/S		0.0001	119	3795.00	As above.	
	541(RI)	D/DP/THX			0	No	3	3F, 2S, SW	2	0	No	Yes	V/T/S		0.003		1995.00	Preamp/surround (see also "Preamps").	
MISSION ELECTRONICS	Cyrus AVmaster	D/DP	D/R		0	No	4	3F, 2S, SW	1	5	Yes	No	V/S	65 x 1	0.005	88		Center-channel output is speaker level.	
MSB TECHNOLOGY	DDP-2X(RI) DTS Upgrade	3/DTS DTS	D		2	Yes	0	3F, 2S, SW	0	0	No	Yes	V/S		0.01	98	2195.00 699.00	Three digital outputs. DTS upgrade for Dolby Digital (AC-3) decoder, preamp, receiver, or integrated amp.	
NAD	917(RI)	DP	D					3F, 2S, SW	1	3	No		V/T/S				699.00	Tuner/preamp/surround (see also "Tuners" and "Preamps"); on-screen display.	
NAIM AUDIO	NA AV1	0	D/P/O		0	No	0	2B	0								3450.00	20-bit DSP.	
NAKAMICHI	CA-1(RI)	DP/3	D		3	No	4	3F, 2S, SW	2	0		No	V/S		0.01	95	2300.00	Preamp/surround (see also "Preamps"); includes two remotes.	
N.E.W.	Miramar Theater Max	DP/3/DTS			3	Yes	3	3F, 3B, SW	1				V/S					Two-zone system.	
NuREALITY	Vivid 3D Theater(RI)	0	0			No	0	2F					V/S		0.05	90	249.95	Sound Retrieval System (SRS).	
ONKYO	ED-901	3	D/F/O		2	Yes	2	3F, 2S, SW	0				S		0.08	98	749.95	Lucasfilm re-equalization circuit; S-video inputs and output; DB-25 audio output.	
PARASOUND	P/SP-1500 (RI)	DP/THX	D/F		0	No	4	3F, 2S, SW	2	7	No	No	V/S		0.005	105	1500.00	Preamp/surround (see also "Preamps"); on-screen programming; upgradable to Dolby Digital (AC-3) with model below.	
	P/DD-1500	3	D		4	Yes	0	3F, 2S, SW	0	1	No	No	V/S		0.001	110	995.00		





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**T**he cornerstone of your complete 5.1-multichannel system, the new Chiro C-5.1 Digital Decoder delivers all the authority you expect from AC-3/Dolby Digital soundtracks with a degree of realism never before experienced. Advanced engineering features and superior sonic attributes make

Chiro the natural choice of home theater purists. ▼ When combined with our universally acclaimed C-800 THX Tuner Preamp Processor, you can enjoy cutting-edge home theater performance from AC-3/Dolby Digital, DVD, and DTS formats. ▼ The Chiro C-5.1 accommodates three digital sources with RF, coaxial, and optical inputs. User friendly to the extreme, the C-5.1 automatically tells

your processor which multichannel format to encode. ▼ For the music lover, DTS has never sounded so good. An optional DTS section flawlessly renders outstanding home theater audio performance from all DTS-encoded laserdiscs and DVDs. ▼ With a Chiro C-5.1 in your system, it will be hard to say good night to your home theater. In fact, with a Chiro 5.1 system turned on, you may never want to turn in! Visit your Chiro dealer today.

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**Critics Say**  
*Home Theater*  
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*Stereophile Guide to Home Theater*  
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*“The Chiro does the music and everything else right.”*

*Stereophile Guide to Home Theater*  
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# SURROUND SOUND & AMBIENCE PROCESSORS

MANUFACTURER	Model (RI) = Remote Included (RO) = Remote Optional	Decoding Type—See Table	UNIT TYPE		INPUTS & OUTPUTS										THD, %	S/N, A-Weighted, dB	Price, \$	OUTPUT CODE	Notes
			Processing Techniques: Delay=D, Reverb=R, Frequency Shaping=F, Comb Filtering=C, Phase Manipulation=P, Other=O	Number of Digital Inputs	Dolby Digital (AC-3) RF Input?	Number of Video Inputs	Number and Use of Outputs—See Code	Number of Tape Monitors	Number of Hall/Room Simulations	Hall/Room Simulation Adjustments?	Stereo Simulation?	Preamp Functions: Volume = V, Tone = T, Source Selection = S	Continuous Amp Power, Watts per Channel						
PERREAUX	AVP1(RI)	D/DP/3	D/R/F/P	3	Yes	5	3F, 2S, SW	2					V/S			2495.00	Preamp/surround (see also "Preamps"). As above.		
	EDSP(RI)	D/DP/3	D/R/F/P		Yes		3F, 2S, SW	2					V/S			1995.00			
PROCEED	PAV(RI)	DP/THX	D	0	No		3F, 2S, SW	4	0		Yes	V/S		0.03	80	4195.00	Multi-zone preamp/surround (see also "Preamps"); on-screen programming; upgradable to accept model below 24-bit, 96k processing; software and hardware upgradable. As above; analog and digital decoding.		
	DSD	DP/3/DTS/THX/O	D	11	Opt.	0	3F, 2S, SW		0							4500.00			
	AVP	DP/3/DTS/THX/O	D													Under 5000.00			
REVOX	S 20 AVP Elegance	D/DP	D	0	No	3	3F, 2S, SW	0	0	No	Yes	V/S	35 x 2, 50 x 1	0.01	100	1599.00	Upgradable to Dolby Digital (AC-3).		
ROCKTRON	HTP1	0	D/P				3F, 2S, SW		0	No	No	V		0.05	110	999.00	Circle Surround (five channels with full-bandwidth stereo surround).		
ROTEL	RTC-970(RI)	DP	D	0	No	4	3F, 2S, SW	4	4	Yes	Yes	V/T/S		0.03	100	799.90	Tuner/preamp/surround; two-zone output; DB25 input for RDA-975 Dolby Digital (AC-3) decoder. Preamp/surround; two-zone output; RCA and DB25 inputs and outputs. DB25 output.		
	RSP-980(RI)	DP/THX	D	0	No	5	3F, 2S, SW	4	4	Yes	Yes	V/T/S		0.03	100	1299.90			
	RDA-975(RI)	3 DP	D	2	Yes	0	3F, 2S, SW	3	3	No	Yes	V/T/S		0.03	100	800.00			
	RSP-970(RI)	3 DP	D												600.00				
SENNHEISER	Lucas	D/DP	D/R/C/O	0	No	0	3F, 2S, †	0	3	Yes	Yes	V/T/S		0.01	85	329.95	†Also provides surround sound over headphones.		
SOUNO CONCEPTS	SSD-550	0	D/R/F	2			2F, 2S					V		0.01	90	975.00	Variable delay, 5 to 100 mS.		
SOUNDSTREAM TECHNOLOGIES	Mosaic (essential)(RI)	D/DP/3/DTS	D	4	No	4	3F, 2B, SW	2	0	No	Yes	V/S				3690.00	Preamp/surround (see also "Preamps"); learning remote; on-screen display; additional inputs and outputs optional. Tuner/preamp/surround (see also "Preamps"); all else as above.		
	Mosaic (extreme)(RI)	D/DP/3/DTS	D	9	No	8	3F, 2B, SW	2	0	No	Yes	V/S				4990.00			
SSI SURROUND SOUND	C1500	DP	D	0	No	0	3F, 2S, SW						18 x 3, 15 x 2, 30 x 1	0.25	85	199.00			
	C8600	DP	D	0	No	4	3F, 2S, SW						40 x 2, 25 x 3, 60 x 1	0.25	80	299.00			
	MTS-100	DP	D	0	No	0	3F, 2S, SW						6 x 3, 4 x 2, 15 x 1	0.1	85	179.00			
	525D	DP	D	0	No	0	3F, 2S, SW									129.00			
TANDBERG	TCA 4138	DP/3	D/R/F/C/P	1	No	4	3F, 2S, SW	1			Yes	V/S		0.001	108	1999.00	Preamp/surround (see also "Preamps").		
TECHNICS	SH-GE90	0	D/R/P	2	No		2F		6	No	Yes	V		0.08	86	399.95	Digital sound processor with parametric EQ; six additional "sound" presets; two mike inputs; karaoke/voice mute; spectrum analyzer.		
	SH-AC300(RI)	DP/3	D	2	Yes		3F, 2S, SW							0.007	96	299.95			
THETA DIGITAL	Casablanca (RI)	D/DP/O	D/F/P/O	8	Opt.	Opt.	3F, 2S, SW	1	0		Yes	V/S		0.0005	110	4295.00	Modular; subwoofer crossover (selectable from 40 to 150 Hz, in eight steps); optional Dolby Digital (AC-3) input and decoder, \$500.00; optional RF demodulator, \$500.00; additional digital inputs and analog surround outputs optional.		
ULTECH AUDIO	Theater Center(RI)	DP/3		2	Yes		3F, 2S, SW	5		No	No	V/S		0.001	103	3995.00	Preamp/surround/DAC with HDCD decoding (see also "D/A Converters" and "Preamps"). Preamp/surround/DAC with HDCD decoding.		
	Surround Master(RI)	DP/3/DTS		2	Yes		3F, 2S, SW	5		No	No	V/S		0.001	103	4995.00			
	DTS-10(RI)	DTS		2	Yes		3F, 2S, SW	5		No	No	V/S		0.001	103	2795.00			
VIRTUAL LISTENING SYSTEMS	Auri PT1000 (RI)	DP	D/R/F/C/P/O	0	No	0	3F, 2S	0	3	Yes	Yes	V/T		0.01	90	499.95	Headphone surround processor.		
YAMAHA	DSP-E492 (RO)	DP/O	0	0	No	3	3F, 2S, SW	1	6	Yes	Yes	V/S	60 x 3	0.04	95	399.00	Dolby Digital (AC-3) ready; Digital Sound Field Processing. Processing as above.		
	DSP-E390 (RI)	DP/O	0	0	No	0	3F, 2S, SW	1	6	Yes	Yes	V	65 x 1, 15 x 2	0.1, 0.7, 0.01	95	329.00			
	DDP-1	3 DP/3/O	0	3	Yes	0	3F, 2S, SW	0			No	No			105	599.00			
	DDP-2	3 DP/3/O	0	4	No	2	3F, 2S, SW	0			No	No			105	499.00			



# THE CHIRO SERIES

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# SIGNAL PROCESSORS

MANUFACTURER	Model (R) = Remote Included (RO) = Remote Optional	Type of Processing	Function: Closed Loop=C, Open Loop=D, Transient=T	Application: Tape Recording=R, Phono=P, FM=L, Universal=U	Simultaneous Encode/Decode?	Play/Jack Only=P, Record/Play=RP	THD, %	Frequency Response, Hz to kHz, ±dB	Price, \$	Notes
AUDIOCONTROL	Phase Coupled Activator Series III	Proprietary Digital Bass Restoration	O	U	No	RP	0.005	25-20 ±0.5	299.00	Speaker and line-level inputs (see also "Crossovers"); bass time correction.
AUDIO ENGINEERING ASSOCIATES	MS380TX	M-S Encoder and Decoder		U	Yes	RP	0.04	10-30 ±0.5	2395.00	Mike preamp with balanced mike inputs; supplies phantom power for mikes; simultaneous left/right and M-S unbalanced outputs; high-pass filter.
	MS38 Mk II	M-S and Stereo Effects Processor		U	Yes	RP	0.06	10-30 ±1	585.00	Balanced and unbalanced mike inputs; left/right or M-S unbalanced line inputs and outputs; stereo-width control; AC or 18-V DC powered.
	MS38 Lite	M-S Decoder		U	No	RP	0.08	20-20 ±1	305.00	Battery-powered portable; headphone amp; stereo-width control.
BROOKLINE TECHNOLOGIES	VS201	Compressor/Limiter	O	U		RP	0.15	20-20 ±3	119.50	Increases low-level signals; 2:1 and 10:1 compression; includes external power supply.
	VS301	Compressor/Limiter	O	U		RP	0.1	20-20 +0,-3	149.50	Increases low-level signals; threshold adjustable from -50 to +10 dBm; includes external power supply; with headphone jack and variable-level outputs, VS311, \$179.50.
	VS401E(RI)	Compressor/Limiter/Expander/Noise Gate		U		RP	0.02	10-40 ±3	729.95	All parameters digitally set; includes rack-mounting "ears"; four-input A/V switcher.
DB SYSTEMS	DB-7	Polarity Inverter/Intrasonic Filter	O	U		RP	0.003	20-20 +0,-0.2	235.00	Requires DB-2A power supply, \$140.00.
DGX AUDIO	DDA-1	Phase Correcting Deconvolution	O		No	P	0.01	20-20 ±0.1	1995.00	Processor/amp with D/A conversion for loudspeaker correction (see also "Amps"); includes two OD1-1 speakers.
	DDP-1	Phase Correcting Deconvolution	O		Yes	P	0.01	20-20 ±0.1	995.00	As above but processor/preamp without speakers.
ESOTERIC SOUND	Surface-Noise Reducer	Transient	O/T	P	No	RP	0.02	20-20 ±0.2	450.00	De-clicking and scratch removal for LPs and 78s.

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Steven Stone STEREOPHILE Vol.19 No. 12 December 1996

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Peter Mitchell STEREOPHILE Vol.15 No. 10 October 1992



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CIRCLE NO. 69 ON READER SERVICE CARD





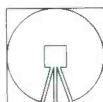
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CIRCLE NO. 95 ON READER SERVICE CARD

# SIGNAL PROCESSORS

MANUFACTURER	Model (RI) = Remote Included, (RO) = Remote Optional	Type of Processing	Function: Closed Loop = C, Open Loop = O, Transient = T	Application: Tape Recording = R, Phono = P, FM = F, Universal = U	Simultaneous Encoder/Decoder?	Playback Only = P, Record/Play = RP	THD, %	Frequency Response, Hz to kHz, ±dB	Price, \$	Notes
HARRISON LABORATORIES	Attenuator	Attenuator					0.005	0-100	33.00	Available in 3-, 6-, and 12-dB versions.
KAB ELECTRO-ACOUSTICS	Souvenir-STD	Noise Suppressor	O	P		P	0.07	30-15	329.00	For replay of 78s; eight selectable EQs; two-speed Dynamic NR; scratch filter, right or left groove-wall select; mono with stereo bypass; MM phono only (see also "Preamps"). As above plus impulse noise limiting.
	Souvenir-INL	Noise Suppressor	O/T	P		P	0.07	30-15	429.00	
LEGACY AUDIO	Steradian	Room Acoustics Compensator	C	U	No	P	0.01	10-100	1600.00	Balanced and unbalanced inputs and outputs.
MANLEY LABS	Variable Mu	Limiter/Compressor	T	R	No	RP	0.01	20-20	4000.00	Balanced inputs and outputs; variable attack and release; mono version, \$2150.00.
MERIDIAN	518(RO)	†		U	No	RP		20-20 ±0.0001	1650.00	†Noise-shaping (five types), dithering (two types), reclocking, pre-emphasis, and de-emphasis. Digital connections only.
MSB TECHNOLOGY	Digital Director	DVD Jitter Control							399.00	Six digital audio inputs with automatic switching.
MUSICAL FIDELITY	X10D	Tube Output Buffer					0.005	10-100	199.95	
PACKBURN	323A	Transient, Dynamic NR	O/T	P	No	P	0.05	Sel.	2650.00	For 78s, transcriptions, acetates, LPs, and cylinders.
PUREST SOUND SYSTEMS	MQ 600	Isolation Transformer	O	U		RP	0.002	20-20 ±0.5	315.00	Input, 600-ohm unbalanced; output, 600-ohm unbalanced or 150-ohm balanced.
SAS AUDIO LABS	Digital Enhancer 1	†	O	P	No	P			199.95	†Equalization tailored for digital sources.
SIGTECH	TC900 D(RO)	Room-Response Correction		U			0.0014	20-20 ±0.5	5590.00	Room measurement and calibration by dealer; coaxial digital input and output, optional AES/EBU and AT&T inputs and outputs, \$500.00; with analog input and output, 18-bit A/D and D/A conversion, TC900A. \$5990.00 (20-bit version, TC920A, \$6590.00). Room measurement and calibration by dealer; three correction memories; coaxial, AES/EBU, and AT&T digital inputs and outputs; optional balanced and unbalanced analog inputs and 20-bit A/D conversion, \$1300.00; optional 20-bit D/A conversion and balanced and unbalanced analog output, \$1100.00.
	T1120 D-F	Room-Response Correction		U			0.0014	20-20 ±0.5	6690.00	
SOUND CONCEPTS	IR2100(RI)	Image Enhancer	O	U		P	0.1	20-20 ±1	360.00	Cross-coupling cancellation; adjustable for speaker angle.
SOURCE TECHNOLOGIES	HRS	Harmonic Recovery		U	No		0.05	0.5-40 ±1	395.00	
SPL	Hi-Fi Vitalizer	Tone and Image Enhancer	C	U			0.002	20-22 ±0.25	699.00	Controls bass Q, loudness compensation, harmonic enhancement, and stereo image width; retains phase coherence for matrixed surround signals. †Signal-controlled parametric equalization (see also "Equalizers"), phase manipulation, and harmonic restoration. Balanced XLR or unbalanced phone jacks. †Signal-controlled parametric equalization, phase manipulation, and harmonic restoration. Balanced XLR or unbalanced phone jacks. †Warms sound. Eight-channel version, \$1999.00. †Digital harmonics processor. †Maximizes headroom and apparent loudness.
	Stereo Vitalizer 9319	†	O	U		RP	0.002	20-22 ±0.25	599.00	
	Tube Vitalizer 9530	†		R		RP	0.002	20-100	3399.00	
	Charisma 9527 Auto Dynamic De-Esser 9629 Spectralizer 9631 Loudness Maximizer 9632	† De-essing	R	R		RP	0.007 0.002	30-30 20-50	599.00	
		†	U	U		RP	0.002 0.002	32-48 20-20	3700.00 3700.00	
SYMETRIX	421	AGC-Leveler/Limiter	O	U			0.05	20-50	569.00	Balanced and unbalanced inputs and outputs. As above. As above; stereo or dual mono operation. Balanced and unbalanced inputs and outputs; separate limiter. As above; one input, two outputs; maximum delay, 885 mS. Mike preamp, de-esser: compressor, expander, parametric EQ.
	422	Stereo	O	U			0.05	20-20 ±1	595.00	
	425	AGC-Leveler Compressor/Limiter/Expander	O	U			0.02	10-60 +0, -3	399.00	
	501	Compressor/Limiter	O	U			0.025	20-20 +0, -1	379.00	
	402 528E	Digital Delay Voice Processor		U U			0.015 0.05	12-20 ±1.5 20-20 +0, -0.5	729.00 699.00	
TADDEO	Digital Antidote II	Time-Domain Correction				P	0.005	5-17 ±3	450.00	Reduces CD phase distortion; passive; optional audiophile jacks and wire, \$125.00.
TOWNSHEND AUDIO	CD Seismic Sink	Noise Suppressor		U		RP	0.00	6-40	150.00	6-dB/octave slope; passive monitoring; variable noise suppression. 12-dB/octave slope; passive monitoring; variable noise suppression.
	Seismic Sink	Noise Suppressor		U		RP	0.00	3-40	From 349.00	
VISTA	DNR-2 SSM-2000	Dynamic NR Noise Filter/Compressor	O O	U U	No No	RP RP	0.05 0.02	10-35 ±0.5 10-35 ±0.5	100.00 125.00	
Z-MAN	Audio Signal Enhancer (ASE)	Vacuum Tube Buffer Stage	O	U		P	0.05		198.00	Reduces brightness.



# CROSSOVERS

MANUFACTURER	Model	Type: Active=A, Passive=P, Combined Active & Passive=C	Mono=M, Stereo=S, Other=O	Subwoofers: Outputs=Stereo=S, Mono=M, Inverted for Mono Bridging=B	Number of Frequency Bands per Channel	Crossover Frequencies, Hz	Independent High- and Low-Pass Frequency Selection?	Frequency Setting: Fixed=F, Switchable=S, Variable=V	Level Controls: High-Pass=H, Midrange=M, Low-Pass=L, (Or Total Number of Controls)	S/N Ratio, dB	Distortion, %	Input Impedance, Ohms	Output Impedance, Ohms	Price, \$	Notes
ACCUPHASE	F-25	A	M/S/X	M	2	70-800 or 1k-12.5k	Opt.	P	H/L	100	0.003	†	50	6795.00	†Balanced, 40 kilohms; unbalanced, 20 kilohms. Upgradable to four-way with optional boards (\$375.00 each).
ALTERNATE AUDIO	EC6	A	S/X	S/M/B	2	100-10k	No	P	H/L	92	0.01	100k	100	1000.00	Constant-phase design.
AMERICAN POWER AND LIGHT	Complementary Solid State	A	S	S/M/B	2	40-100	Yes	V	H/L	95	0.001	55k	100	2000.00	Balanced and unbalanced inputs and outputs; selectable high- and low-pass slopes (6, 12, 18, or 24 dB/octave). Kit; selectable high- and low-pass slopes (6 or 12 dB/octave).
	All Vacuum Tube	A	S	S	2	40-100	Yes	V	H/L	100	0.01	50k	250	800.00	
ANALOG RESEARCH	Custom	A	S	S	2	Custom	Yes	F	L	90	0.01	50k	150	800.00	Optional external power supply.
APOGEE ACOUSTICS	Drago	A	S/X	S/M	2	45-160	Yes	S	H/L					500.00	Balanced or unbalanced inputs and outputs.
AUDIO ARTS	XVR-1	C	S/X	S/M	2	20-5k	Yes	P	L	110	0.0006	60k	100	299.00	Kit, \$269.00; 6-, 12-, or 18-dB/octave slope; bass EQ; choice of active or passive high-pass.
AUDIO CENTRON	X-32	A	S/X	S/M	†	50-1k, 500-10k	Yes	V	H/M/L	95	0.03	20k	600	250.00	†Usable as stereo two-way or mono three-way.
AUDIOCONTROL	Rialto	A	O	S	2	50-4.5k	No	P	H/L	113	0.008	100k	150	599.00	Seven channels with stereo subwoofer out; Linkwitz-Riley alignment; 24-dB/octave slope (see also "Equalizers"). Linkwitz-Riley alignment; 1/2-octave bass EQ and analyzer (see also "Equalizers"). Linkwitz-Riley alignment; 24-dB/octave slope; proprietary bass-restoration circuits; bass time compensation; subsonic filter; speaker and line-level inputs (see also "Signal Processors").
	Richter Scale Series III	A	S/X	S/M/B	2	50-4.5k	No	P	L	120	0.005	100k	150	349.00	
	Phase Coupled Activator Series III	A	S	S	2	50-4.5k	No	P	L	118	0.005	100k	150	299.00	
CABASSE	Electronic Adaptor	A	S	S	2	50-200	Yes	V	L					3000.00	For use with Cabasse Baltic and Stromboli speakers.
CALIBRATION STANDARD INSTRUMENTS	HLE-2	A	S/O	S/M/B	2	30-200	Yes	S/P	6	92	0.02	10k	600	2490.00	ELF system.
CHORD	ACO 2200					Custom								3500.00	Made to order.
DB SYSTEMS	DB-3-18	A	S/X	S/M/B	2, 3	Optional	Yes	F	H/M/L	100	0.0008	90k	1.4k	From 540.00	18-dB/octave slope, 6 or 12 dB available. Linkwitz-Riley alignment. 36-dB/octave slope.
	DB-3-24	A	S/X	S/M/B	2	Optional	Yes	F	H/L	100	0.0008	90k	1.4k	750.00	
	DB-3-36	A	S/X	S/M/B	2	Optional	Yes	F	H/L	100	0.0008	90k	1.4k	840.00	
DIGITAL DESIGNS	ABC1.0	A	X	M	2	40-200	Yes	P		100	0.005	600	600	399.00	Limiting/compressor circuit; bass EQ.
ESSENCE	Jasper	P	M	M	†	Adjustable	Yes	P	†	120	0.001	Adj.	Adj.	From 1685.00 Pair	†Two to six bands per channel, with plug-in level control for each band. For Essence Reference 12 system (Amethyst 10A and Reference subwoofer).
EVI AUDIO	EX24	A	X	M	†	80/125/160/250/500/630/800/1.25k/1.6k/2.5k/5k/6.3k	Yes	S	H/L	90	0.05	††	†††	726.00	†Stereo two-way or mono three-way. ††Balanced, 30 kilohms; unbalanced, 15 kilohms. †††Balanced, 200 ohms; unbalanced, 100 ohms.
	EX18	A	S		†	100-8k	Yes	V	H	90	0.05	††	470	484.00	
HARRISON LABORATORIES	SE-MOD	A	†	S	2-4		Yes	S		90	0.05	10k	10	459.00	†Selectable: stereo two-, three-, or four-way crossover with multiband EQ for each speaker or two-channel, 15-band EQ on alternating 1/2-octave spacing (see also "Equalizers"). Switchable noise gate; without 30-band peak indicator display, \$351.00.
HSU RESEARCH	HDEC	A	S	S	2	28-155	Yes	P	L	90	0.01	100k	100	450.00	24-dB/octave slope; Linkwitz-Riley alignment; Class A.
JADIS	JF 1	A	S	S	2	200		F	H/L					7495.00	Other crossover points available; 12-dB/octave slope.
	JF 3	A	S	S	2	200		F	H/L					11,995	Other crossover points available; 24-dB/octave slope.
JANIS	Interphase 1A	A	X	M	2	100	No	F	L	98	0.01	200k	100	950.00	125-watt integral bass amp; 18-dB/octave Butterworth filters; extra low-pass line output. 18-dB/octave Butterworth filters. †Included with Janis System 3A subwoofer. 70-watt integral bass amp.
	Interphase 3AT	A	X	M	2	100	No	F	L	98	0.01	200k	100	750.00	
	Interphase 3A	A	X	M	2	100	No	F	L	96	0.02	200k	100	750.00	



# CROSSOVERS

MANUFACTURER	Model	Type	Active=A, Passive=P, Combined Active & Passive=C	Mono=M, Stereo=S, Other=O	Subwoofer Outputs: Stereo=S, Mono=M, Inverted for Mono Bridging=B	Number of Frequency Bands per Channel	Crossover Frequencies, Hz	Independent High- and Low-Pass Frequency Selection?	Frequency Setting: Fixed=F, Switchable=S, Variable=V	Level Controls: High-Pass=H, Midrange=M, Low-Pass=L (or Total Number of Controls)	S/N Ratio, dB	Distortion, %	Input Impedance, Ohms	Output Impedance, Ohms	Price, \$	Notes
JRM	3BPB/X8	A	S/X	S/M/B	†	75-600, 180-1.5k, 1.2k-10k	Yes	P	8††	110	0.001	10k		1755.00	†Usable as stereo two-, three-, or four-way. ††0.5-dB steps. Cascaded 18-dB/octave filters; stereo and bridging outputs for all sections; infrasonic and ultrasonic filters; optional EQ for each band.	
	3BPB/X4	A	S/X	S/M/B	2	Optional	Yes	P	4††	110	0.001	10k		1215.00	As above but two-way only.	
KINETIC AUDIO	Three-Point	P	M	M	1	60/90/180	Yes	S	H/M			8	Var.	250.00 Each	High-pass only.	
	Four-Point	P	M	M	1	60/90/180/350	Yes	S				8	Var.	250.00 Each	Low-pass only.	
KRELL	KBX	A	S		2	Custom	Yes	F/P	H/L			47k	10	3500.00	Three-way version available.	
LINN	Keilidh Aktamp	A	S		2		No	F	H			5k		1095.00	For Linn Keilidh loudspeaker.	
	Kaber Aktamp	A	S		3		No	F	H/L			5k		1595.00	For Linn Kaber loudspeaker.	
	Tukan Aktamp	A	S		2		No	F	H			5k		1095.00	For Linn Tukan loudspeaker.	
	Sekrit Aktamp	A	S		2		No	F	H			5k		1095.00	For Linn Sekrit loudspeaker.	
MARCHAND	XM6L	A	S/X	S/M	2	20-5k	No	V	H/L	100	0.01	50k	10	695.00	Digital readout of crossover frequency; 24-dB/octave slope.	
	XM9L	A	S/X	S/M	2	20-5k	No	P	H/L	100	0.01	25k	10	499.00	24-dB/octave slope; three-way version, \$599.00; kit, \$299.00.	
	XM16L	A	S/X	S/M	2	20-5k	Yes	P	H/L	100	0.01	25k	10	549.00	48-dB/octave slope; three-way version, \$699.00; kit, \$349.00.	
	XM26	A	S/X	S/M	2	20-5k	Yes	P	H/L	100	0.05	1M	500	1499.00	Tube; 24-dB/octave slope; kit, \$489.00.	
M&K SOUND	HP-80	P	S	S	1	80	No	F						175.00	High-pass only; complements low-pass filter in M&K powered subwoofers.	
	VF-80	P	S	S	1	80	No	F						75.00	three-channel version, \$195.00. As above but \$95.00 for three-channel version.	
MUSIC REFERENCE	RM-3	A	S	S	2	Optional	Yes	P	H/L		0.005	50k	600	1200.00	Frequency and slope selected by changing circuit cards.	
NAIM AUDIO	Super NAXO 3-6	A	S		3	Custom		F	H/M/L					1550.00	Requires separate Naim power supply.	
	Super NAXO 2-4	A	S		2	Custom		F	H/L					1550.00	As above.	
NELSON-REED	NRA-1W	A	S	S	2	64	Yes	F	L	92	0.005	15k	42	595.00	Available with crossover points from 32 Hz to 8 kHz.	
NESTOROVIC LABORATORIES	NL12A Signature	A	S	S	2	200		F	H/L	90	0.01	50k	100	1400.00		
NORTH CREEK MUSIC SYSTEMS	801 Unlimited	P	M		3	380, 3k		F						1600.00 Pair	Replacement crossover for B&W Matrix 801 Series 2 or Series 3 loudspeaker.	
	802 Unlimited	P	M		3	400, 3k		F						1600.00 Pair	Replacement crossover for B&W Matrix 802 Series 2 or Series 3 loudspeaker.	
	Super Duper Zero	P	M		2	3.5k		F						69.00 Pair	Modification to NHT Super Zero loudspeaker.	
PARADIGM	X-10	P	X	M	2	125	No	F		100	0.001	10k	100	79.00	Includes 7-meter subwoofer cable.	
	X-20	C	X	M	3	50-150, 125	Yes	F/V	L	100	0.004	10k	100	159.00	As above; variable phase control.	
	X-30	A	X	M	3	50-150, 50/80/120	Yes	S/V	L	100	0.004	20k	100	199.00	As above.	
PURIST AUDIO DESIGN	Crossover	C	S	S	2	0-100k	Yes	P	L	96	0.0001	10k	600	3500.00	High-pass, 6-dB/octave passive; low-pass, 18 dB/octave active, convertible to three-, four-, or five-way with optional modules.	
RANE	AC-22	A	M/S/X	S/M	†	70-3.6k	No	V	H/M/L	92	0.02	20k	100	429.00	†Usable as stereo two-way or mono three-way. Balanced version, AC 22B, \$439.00.	
	AC-23	A	M/S	S/M	†	70-1k, 190-7k	No	V	6	92	0.02	20k	100	529.00	†Usable as stereo three-way or mono four- or five-way. Balanced version, AC 23B, \$549.00.	
	MX-22 MX-23	A A	X X	M M	2 3	100-3.5 80-1k, 350-7k	No Yes	V V	H/L H/M/L	84 84	0.1 0.2	20k 20k	100 100	299.00 399.00	One frequency control for both channels. As above.	
SIGNATURE TECHNOLOGIES	LPF-2	C	S	S/M/B	2	80	No	F	L	92	0.01	50k	600	399.00		
VINTEC ACOUSTICS	Vertex	P	S	S	2	70-125	No	V						250.00	Kit, \$180.00.	
VOCE DIVINA	Passo	A	S	S	1	30/35/40/45/50/55/60/70/80		P	L	110	0.001	25k	50	750.00	Low-pass only; 24-dB/octave slope; optional balanced input and output, \$200.00.	



# SPEAKER CABLES

MANUFACTURER	Model	Conducting Material	Gauge (AWG No.)	FINISHED CABLES				Notes
				Connector Type	Minimum and Maximum Lengths	Minimum and Maximum Prices, \$	Available in Bulk?	
ACROTEC	6N-1010 6N-S1030 6N-S1040 6N-S1090 6N-S1200 6N-S1080	6N Copper 6N Copper 6N Copper 6N Copper 6N Copper 8N Copper			1-100 meters 1-100 meters 1-100 meters 1-100 meters 1-100 meters 1-100 meters	40.00-4000.00 25.00-2500.00 110.00-11,000.00 66.00-6600.00 50.00-5000.00 300.00-30,000.00	Yes Yes Yes Yes Yes Yes	Two-conductor, shielded. Four-conductor, for bi-wiring.
ALPHA AUDIO LABORATORY	AASC-10-XX AASC-20-XX AASC-80-XX	FPC FPC HPS	12 10	Spade, Banana Spade, Banana Spade, Banana	8-20 feet 8-12 feet 8-12 feet	199.00-399.00 249.00-349.00 750.00-1110.00	Yes Yes Yes	EPDM jacket As above.
ALPHA-CORE	MI Center Stage MI2 Veracity MI3 Divinity AG1 Tiffany AG2 Cartier AG3 Faberge	Copper Copper Copper Silver Silver Silver	13 10 7 12 9 7	Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana	Any Any Any Any Any Any	5.50/foot 10.20/foot  41.00/foot 72.50/foot	Yes Yes No Yes Yes No	Goertz. As above. As above, sold in pairs. Goertz. As above. As above, sold in pairs.
AMERICAN POWER AND LIGHT	Linear Direct Linear Direct	Silver Silver	16 14	Spade Spade	3 feet up 3 feet up	150.00-500.00 200.00-600.00	No No	Solid core, shielded. As above.
APATURE PRODUCTS	Accusound Silver (4+4) Accusound Silver (8+8) Accusound Silver (16+16) Black Beauty Signature SP-518/TM-12 SP-134 Flat White U.L. Theater Blue U.L. Theater Quad U.L. Theater 518	Silver Silver Silver OFC OFC OFC OFC OFC OFC OFC OFC	16 12 10 12 12 16 16 16 16 16 12	Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana Pin, Spade, Banana	Any Any Any Any 1-500 feet 1-500 feet 1-500 feet 1-500 feet 1-500 feet 1-500 feet 1-250 feet	100.00-1000.00 200.00-2500.00 400.00-5000.00 70.00-1000.00 10.00-500.00 5.00-250.00 6.00-300.00 5.00-500.00 10.00-750.00 10.00-400.00	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Bi-wire or shotgun available. As above. Bi-wire or shotgun with Accu-Boot available. Black flex jacket. 518-strand, clear or amber jacket. 130-strand, clear jacket with stripe. 288-strand. CL-3 rated; two- or four-conductor. CL-3 rated; shielded. As above.
AUDIENCE	Konductor	Copper	12	Pin, Spade, Banana	1-50 feet	124.00-1300.00/pair	No	
AUDIODYNE	SPL-Link	Silver	10/20	Spade	6-15 feet	260.00-350.00	No	Discrete conductors, bi-wire capable.
AUDIO ELECTRONIC SUPPLY	High Definition	Copper		Spade	4-22 feet	88.00-259.00	Yes	
AUDIO INSURGENTS	Congenial Congruent Stellar	Copper OFC OFC	14 10 10	Spade Spade Spade	6-25 feet 6-25 feet 6-25 feet	139.00-443.00 235.00-748.00 319.00-984.00	No No No	Custom lengths and terminations. As above. As above; insulated conductors.
AUDIO MAGIC	Sceptor Sceptor Spellcaster Sorcerer Illusion	Silver-clad Copper Silver-clad Copper Silver Silver Silver		Spade, Banana Spade, Banana Spade, Banana Spade, Banana Spade, Banana	Any Any Any Any Any	3.99/foot 6.99/foot 499.00/8-foot pair 1395.00/8-foot pair 3500.00/8-foot pair	Yes Yes No No No	Four-conductor for bi-wire. Bi-wire available. As above. As above; ribbon conductors.
AUDIO MATIÈRE	Yin Yang I Yin Yang II	Silver/Copper Silver/Copper		Opt. Opt.	Any Any	120.00/meter 220.00/meter	No No	Price is for stereo pair. As above.
AUDIO NOTE	AN-D AN-B AN-L AN-SP AN-SPX AN-SPZ	Copper Copper Copper Silver Silver Silver		Spade, Banana Spade, Banana Spade, Banana Spade, Banana Spade, Banana Spade, Banana	Any Any Any Any Any Any	4.00/foot 10.00/foot 19.00/foot 100.00/foot 200.00/foot 1400.00/foot	Yes Yes Yes Yes Yes Yes	Shielded Litz. Litz. As above. As above. As above.
AUDIOQUEST	F-14 F-18 Type 2 Type 4 Type 6 Indigo + Crystal + Midnight + FF-4 FF-8 SA-20 SA-30 SA-40 RF-200 RF-400 SR-1404 SR-1602 SR-1604	Long-grain Copper Long-grain Copper Long-grain Copper Long-grain Copper Long-grain Copper Long-grain Copper/ FPC FPC Long-grain Copper/ FPC Long-grain Copper Long-grain Copper FPC FPC-6 FPS Long-grain Copper Long-grain Copper Long-grain Copper Long-grain Copper Long-grain Copper	17 14 17 15 13 12 11 10 17 14 15 15 15 17 14 11 16 16 13	Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any	Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any Any	95/foot 1.95/foot 1.50/foot 2.50/foot 4.50/foot 187.00/8-foot pair 245.00/8-foot pair 415.00/8-foot pair 95/foot 1.95/foot 5.00/foot 20.00/foot 50.00/foot 85/foot 1.50/foot 2.50/foot 95/foot 1.75/foot	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Blue or white. Brown or white. Spread spectrum; CL-3 rated. Spread spectrum. As above. As above. As above. 2mm-thick, on-wall. As above. CL-3 rated. As above. CL-3 rated; in-wall. As above. As above; shielded. As above. As above.
AUDID RESEARCH	LitzLine 2 SGL 2	Copper Copper		Spade Spade	0.5-9 meters 0.5-9 meters	490.00 up 160.00 up	No No	Available in 0.5-meter increments. As above.
AUDIOSTREAM	AC-7 AC-10 AC-50 TL-2 TL-4 TL-6 MC-2 MC-4	HPC HPC HPC HPC HPC HPC HPC HPC	16 14 12 16 14 12 16 14	Any Any Any Any Any Any Any Any		25/foot 50/foot 75/foot 25/foot 60/foot 99/foot 30/foot 60/foot	Yes Yes Yes Yes Yes Yes Yes Yes	130-strand. 266-strand; center-web. 420-strand; center-web. Two-conductor; helical spiral array. Four-conductor; helical spiral array. Six-conductor; helical spiral array. Two-conductor; helical spiral array, CL-3 rated; in-wall. As above but 2+2-conductor.
AUDIOTRUTH	Forest + Argent + Clear + Sterling + Dragon +	FPC/FPC-6 FPC-6/FPS FPC-6/FPS FPC-6/FPS FPS	11 12 10 10 10	Any Any Any Any Any	1 foot up 1 foot up 1 foot up 1 foot up 1 foot up	575.00/8-foot pair 1055.00/8-foot pair 1535.00/8-foot pair 2335.00/8-foot pair 3695.00/8-foot pair	Yes Yes Yes Yes Yes	Spread spectrum. As above. As above. As above. As above.







## Every "Bit" of Every Signal to Everywhere

Today, your sound and pictures start as "bits". The information stored on a CD, LaserDisc, DVD, or transmitted to a DSS receiver...it's all bits of digital data.

AudioQuest offers a complete range of cables optimized to transfer all four digital standards with an absolute minimum of interference: S/PDIF (75Ω coax), AES/EBU (110Ω balanced), TosLink (EIA-J fiber optic), and ST (AT&T type fiber optic).

Even though pictures and sound may begin as digital signals, they must be converted back into the world we live in, the world of analog. Most of your components and most of your cables are handling analog signals, whether audio or video.

Under the VideoQuest name we make high performance cables for all the different video signal systems. We also make several different grades of cable for each system. The cable in one system is not better than the cable in another, only the number of channels of information is different. The same type of wideband 75Ω coax is needed for every channel, no matter how many.

- Coaxial RF (radio frequency, also called RG for radio guide) cable carries the combined audio and video signal from an antenna or a DSS dish, or a cable TV box.
- Composite Video cable carries the entire picture signal between most VCRs and LaserDisc players to the monitor.
- S-Video (Y/C), carries the same information, but in two

pieces. The "Y" signal carries the b/w picture and the "C" signal carries the color information. When color TV became available it had to be compatible with existing b/w TV sets, so the extra information for color was kept separate. S-VHS machines, video cameras, DSS receivers, LaserDisc and DVD players are among the equipment often featuring S-Video outputs.

- Component Video (YIQ): Even the "C" in Y/C is a combination signal. Since there are three colors (red/green/blue), there must be two color difference signals. Y-I is the red signal, Y-Q is the blue, and Y minus red and blue is green. DVD players are the first to feature YIQ outputs.

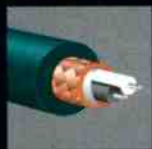
- RGB: Red, Green and Blue are the real components of a video signal. RGB cables carry the three color signals, plus the vertical and horizontal marker information that allows the monitor to draw a picture and not just a continuous line of changing colors. RGB is most common for feeding separate video processors.

Audio: As important as it is to get the video right, it's the audio that carries the drama, the power, the emotion...whether it's a system with or without a picture.

Unfortunately, it's late in this decade and we've run out of room to "talk" about AudioQuest double balanced and triple balanced audio interconnect, Hyperlitz speaker cables, UL CL/3 in-wall cables, or wall cables, AC power cables, high purity long-grain metals, exotic insulating materials and patented constructions. We'll just have to hope that you ask an AudioQuest/VideoQuest dealer to demonstrate for you how very important all these things are. We'll also be pleased to send you the "long" version (our literature). Please use any of the communication media listed below to let us know where you want it sent.



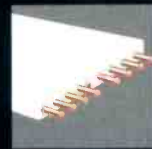
OPTILINK Z



VIDEO TWO



RUBY



F-18



TYPE B



SR-1604



AC-12

# SPEAKER CABLES

MANUFACTURER	Model	Conducting Material	Gauge (AWG No.)	FINISHED CABLES				Notes	
				Connector Type	Minimum and Maximum Lengths	Minimum and Maximum Prices, \$	Available in Bulk?		
FULL SPECTRUM AUDIO CABLES (Continued)	Exotic	OFC		Spade	8-99 feet	†	No	†\$2000.00, first 8-foot pair; \$675.00 per additional 4-foot pair.	
	Exotic SE	OFC		Spade	8-99 feet	†	No	†\$4000.00, first 8-foot pair; \$1350.00 per additional 4-foot pair.	
HARMONIX	HS 101 Terminated	Copper	10	Spade	1.5-3 meters	710.00-950.00	No	Shielded; Teflon insulation.	
HIGHWIRE AUDIO	500 LSX	Copper	14	Spade, Banana	3-20 feet	498.00-1248.00	No	Noise suppression.	
	700 Lsi	Silver-plated Copper	14	Spade, Banana	3-20 feet	498.00-1248.00	No	As above.	
	1100 Lsi	Silver-plated Copper	10	Spade, Banana	3-20 feet	798.00-2298.00	No	As above.	
HMS	In Concerto	Copper		Banana	1.5-10 meters	775.00-1995.00	Yes	WBT connectors.	
	Gran Finale	Copper		Banana	1-5 meters	1495.00-6995.00	No	As above; ferrite wrapped.	
JARRETT-WAUTERS RESEARCH	Passage ii	Silver/Copper		Spade, Banana	0.5-10 meters	55.00-530.00	No	Teflon insulation.	
JENA LABS	SpeakEasy Two	Copper		Spade, Banana	6-20 feet	200.00	No	Cardas milled-copper, rhodium-plated lugs.	
	SpeakEasy Four	Copper		Spade, Banana	6-20 feet	280.00	No		
	SpeakEasy Twin Three	Copper		Spade	6-20 feet	900.00	No		
	SpeakEasy Twin Five	Copper		Spade	6-20 feet	1240.00	No		
	SpeakEasy Twin Seven	Copper		Spade	6-20 feet	1560.00	No		
JPS LABS	The Bi-Wired Superconductor	Copper-clad/Aluminum	14x2	Spade, Banana, Bare	6 feet up	800.00 up	No	Bi-wire, solid core; shielded; coaxial.	
	The Single Superconductor	Copper-clad/Aluminum	10	Spade, Banana, Bare	6 feet up	625.00 up	No	Solid core; shielded; coaxial.	
KIMBER KABLE	4PR	Copper	14	Spade, Banana	1-500 feet	1.20/foot	Yes	For subwoofer and low-frequency applications.	
	8PR	Copper	10	Spade, Banana	1-500 feet	2.20/foot	Yes		
	4VS	Copper	13	Spade, Banana	1-500 feet	2.80/foot	Yes		
	8VS	Copper	9	Spade, Banana	1-500 feet	5.20/foot	Yes		
	4TC	Copper	13	Spade, Banana	1-500 feet	6.00/foot	Yes		
	8TC	Copper	9	Spade, Banana	1-500 feet	10.00/foot	Yes		
	8LPC	Copper	13	Spade, Banana	1-500 feet	8.00/foot	Yes		
	16LPC	Copper	9	Spade, Banana	1-500 feet	14.00/foot	Yes		
	4AG	HPS	13	Spade, Banana	1-100 feet	120.00/foot	No		
	8AG	HPS	9	Spade, Banana	1-100 feet	200.00/foot	No		
	BiFocal-L	HPC	11/14.5	Spade, Banana	3-33 feet	600.00-3300.00	No		Bi-wire.
	BiFocal-XL	HPC	8/11	Spade, Banana	3-33 feet	800.00-4400.00	No		As above.
	KINETIC AUDIO	Multi-Cable Cluster	OFC	10	Spade or Banana	3-50 feet	5.00/foot		Yes
KLYNE AUDIO ARTS	Dragonfly Wings SWD-1	Copper		Spade	6-30 feet	450.00-2250.00/pair	No	Dual-conductor twisted pair.	
	Dragonfly Wings SWQ-1	Copper		Spade	6-30 feet	840.00-4200.00/pair	No	Quad-conductor twisted pair.	
LAT INTERNATIONAL	SS-1000-D	Silver-clad OFHC	10	Pin, Spade, Banana	5-50 feet	259.00	No	Shielded; Teflon insulation.	
	SS-800	Silver-clad OFHC	12	Pin, Spade, Banana	50-250 feet		Yes	Teflon insulation.	
	The Bi Wire	Silver-clad OFHC	12	Pin, Spade, Banana	50 feet		No	As above.	
	SS-15	OFHC	10	Pin, Spade, Banana	50-250 feet	1.40/foot	Yes	PVC insulation.	
	SS-10	OFHC	12	Pin, Spade, Banana	50-250 feet	.74/foot	Yes		
	In Wall	HPC	16	None	100 feet	.85/foot	Yes	Shielded; Teflon insulation; UL.	
LEGEND AUDIO DESIGN	Legend IV	Silver		Spade, Banana	6-20 feet	1440.00-4800.00			
	Legend III	Silver		Spade, Banana	6-20 feet	1050.00-3500.00			
	Legend II	Silver		Spade, Banana	6-20 feet	750.00-2500.00			
	Legend I	Silver		Spade, Banana	6-20 feet	450.00-1500.00			
LIBERTY WIRE AND CABLE	UltraCap 12/1	OFC	12			.98/foot	Yes	THX certified; rope construction; CL-3 rated.	
	UltraCap 12/2	OFC	12			1.748/foot	Yes	As above, two-conductor.	
	UltraCap 14/1	OFC	14			.772/foot	Yes	THX certified; rope construction; CL-3 rated.	
	UltraCap 14/2	OFC	14			1.31/foot	Yes	As above, two-conductor.	
	UltraCap 16/1	OFC	16			.598/foot	Yes	THX certified; CL-3 rated.	
	UltraCap 16/2	OFC	16			.918/foot	Yes	As above; two-conductor.	
	ExtraFlex 12/2	OFC	12			.631/foot	Yes	CL-3 rated.	
	ExtraFlex 12/4	OFC	12			1.164/foot	Yes	As above; four-conductor.	
	ExtraFlex 14/2	OFC	14			.403/foot	Yes	CL-3 rated.	
	ExtraFlex 14/4	OFC	14			.693/foot	Yes	As above; four-conductor.	
	ExtraFlex 16/2	OFC	16			.361/foot	Yes	CL-3 rated.	
	ExtraFlex 16/4	OFC	16			.306/foot	Yes	As above; four-conductor.	
	ExtraFlex 16/2C	OFC	16			.572/foot	Yes	Shielded; CL-3 rated.	
	ExtraFlex 16/4C	OFC	16			.524/foot	Yes	As above; four-conductor.	
	ExtraFlex 18/2	OFC	18			.216/foot	Yes	CL-3 rated.	
	ExtraFlex 18/4	OFC	18			.389/foot	Yes	As above; four-conductor.	
	Commercial 12/2	Copper	12			.394/foot	Yes	CL-3 rated.	
	Commercial 12/4	Copper	12			.812/foot	Yes	As above; four-conductor.	
	Commercial 14/2	Copper	14			.262/foot	Yes	CL-3 rated.	
	Commercial 14/4	Copper	14			.578/foot	Yes	As above; four-conductor.	
	Commercial 16/2	Copper	16			.218/foot	Yes	CL-3 rated.	
	Commercial 16/4	Copper	16			.366/foot	Yes	As above; four-conductor.	
	Commercial 18/2	Copper	18			.142/foot	Yes	CL-3 rated.	
	Commercial 18/4	Copper	18			.272/foot	Yes	As above; four-conductor.	
	FSC 16/2	OFC	16			.704/foot	Yes	Flat, paintable jacket.	
	FSC 16/4	OFC	16			1.289/foot	Yes	As above.	
	CLR 12	OFC	12			.798/foot	Yes	Clear jacket.	
	CLR 14	OFC	14			.498/foot	Yes	As above.	
	CLR 16	OFC	16			.338/foot	Yes	As above.	
	LINN	K20	Copper		Banana	1-100 meters		Yes	
K400		Copper		Banana	1-25 meters		Yes	Bi-wire.	
K600		Copper		Banana	1-25 meters		Yes	Tri-wire.	
LUMINOUS AUDIO TECHNOLOGY	Synchestra	4N Silver	16	Spade, Banana	Any	25.00/foot	No	Solid core; Teflon insulation.	
	Renaissance	4N Copper	11	Spade, Banana	Any	9.00/foot	No	Solid core; PVC insulation.	
	Prestige	4N Copper	12	Spade, Banana	Any	4.50/foot	No	Solid core; isolated helical array.	
	Lynx	Copper	14	Pin, Spade, Banana	Any	1.00/foot	Yes	Stranded; PVC insulation.	



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U.S. and Int'l Technology Patents: 325,023, 4,738,640, 4,777,324, 4,910,360, 4,932,897, 4,937,401

CIRCLE NO. 96 ON READER SERVICE CARD

# SPEAKER CABLES

MANUFACTURER	Model	Conducting Material	Gauge (AWG) (No.)	FINISHED CABLES			Available in Bulk?	Notes
				Connector Type	Minimum and Maximum Lengths	Minimum and Maximum Prices, \$		
MARIGO AUDIO LAB	V3.1 Fractal	Copper		Spade	3-20 feet	595.00-2080.00/pair	No	8 feet (standard), \$880.00.
MIT	MITerminator 6	Copper		†	8-45 feet	60.00-165.00/pair	No	†Interchangeable.
	MITerminator 5	Copper		†	8-45 feet	80.00-235.00/pair	No	
	MITerminator 4	Copper		†	8-45 feet	120.00-275.00/pair	No	
	MITerminator 3	Copper		†	8-45 feet	180.00-400.00/pair	No	
	MITerminator 2	Copper		†	8-45 feet	240.00-690.00/pair	No	
	MITerminator 2 Bi-Wire	Copper		†	8-45 feet	399.00-875.00/pair	No	
	MH-750 Plus Series Two	Copper		Spade	8-45 feet	595.00-2450.00/pair	No	
	MH-750 Tube	Copper		Spade	8-45 feet	695.00-2550.00/pair	No	
	Terminator Series Two	Copper		Spade	8-45 feet	695.00-2550.00/pair	No	
	MH-750 High Energy	Copper		Spade	8-45 feet	695.00-2550.00/pair	No	
	Terminator Series Two	Copper		Spade	8-45 feet	995.00-2450.00/pair	No	
	MH-750 Bi-Wire	Copper		Spade	8-45 feet	995.00-3400.00/pair	No	
	MH-750 CVTerminator Series Two	Copper		Spade	8 feet up	3000.00/pair	No	Custom lengths.
	MH-770 CVTerminator Twin Tube	Copper		Spade	8 feet up	3500.00/pair	No	As above.
	MH-770 CVTerminator Bi-Wire	Copper		Spade	8 feet up	2495.00/pair	No	As above.
	MH-770 CVTerminator Twin	Copper		Spade	8 feet up	6995.00/pair	No	As above.
	MH-850 CVTerminator Reference	Copper		Spade	8 feet up	7995.00/pair	No	As above.
	MH-850 CVTerminator Reference Bi-Wire	Copper		Spade	8 feet up	8995.00/pair	No	As above.
	MH-850 CVTerminator Reference Tri-Wire	Copper		Spade	8 feet up	8995.00/pair	No	As above.
	MH-850 Shotgun EVO	Copper		Spade	10 feet up	9995.00/pair	No	As above.
MH-850 Shotgun EVO Bi-Wire	Copper		Spade	10 feet up	10,995/pair	No	As above.	
MH-850 Shotgun EVO Tri-Wire	Copper		Spade	10 feet up	11,995/pair	No	As above.	
MOGAMI	W3082	Copper	14	RCA	1-1000 feet	90/foot	Yes	
MONARCHY AUDIO	4-in-1	LCOFC	10		225 feet	490.00	Yes	
MONSTER CABLE	M2 2S	Copper	10	Spade, Banana	8-15 feet	225.00-450.00/pair	No	Network terminator.
	M2 4S	Copper	10	Spade, Banana	8-15 feet	275.00-635.00/pair	No	As above, four-conductor; bi-wire.
	M1 2S	Copper	12	Spade, Banana	10-25 feet	125.00-325.00/pair	Yes	Time-compensated multiple-gauge network.
	M1 4S	Copper	12	Spade, Banana	10-25 feet	200.00-525.00/pair	Yes	As above, four-conductor; bi-wire.
	MCX2S	Copper	12	Pin, Spade, Banana	10-25 feet	75.00-150.00/pair	Yes	Separate bass and high-frequency networks.
	Z3 Reference	Copper	10	Pin, Spade, Banana	10-15 feet	300.00-400.00	No	Time-compensated windings.
	Z2	Copper	12	Pin, Spade, Banana	10-15 feet	200.00-275.00	No	As above; four-conductor; bi-wire.
	Z2 Reference	Copper	12	Pin, Spade, Banana	10-15 feet	150.00-200.00/pair	No	Time-compensated windings.
	Z1	Copper	14	Pin, Spade, Banana	10-15 feet	75.00-100.00	Yes	As above.
	M Sigma 2	Copper		Spade	8-20 feet	750.00-1500.00/pair	No	
	Bi-Wire Four Conductor	Copper		Gold Pin, Spade, Banana	1-100 feet	4.00-400.00	Yes	CL-3/FT-4 rated, bi-wire.
	Powertline 2 Plus	Copper		Gold Pin, Spade, Banana	1-100 feet	3.00-300.00	Yes	Home THX certified; CL-3/FT-4 rated; twisted pair.
	Original Monster Cable - Two Conductor	Copper		Gold Pin, Spade, Banana	1-100 feet	1.25-1250.00	Yes	Home THX certified; CL-3/FT-4 rated.
	Original Monster Cable - Four Conductor	Copper		Gold Pin, Spade, Banana	1-100 feet	2.00-200.00	Yes	As above.
	SuperFlat	Copper		Gold Pin	20-50 feet	35.00-80.00	Yes	
	Monster Standard S14 2R CL	Copper	14	Gold Pin, Spade, Banana	1-100 feet	55-55.00	Yes	As above.
	Monster Standard S16 2R CL	Copper	16	Gold Pin, Spade, Banana	1-100 feet	40-40.00	Yes	As above.
	Monster Standard S14 4R CL	Copper	14	Gold Pin, Spade, Banana	1-100 feet	90-90.00	Yes	Four-conductor dual-channel; CL-3/FT-4 rated.
	Monster Standard S16 4R CL	Copper	16	Gold Pin, Spade, Banana	1-100 feet	65-65.00	Yes	As above.
	MP 3F	Copper		Gold Pin, Spade, Banana	1-100 feet	12.00-1200.00	Yes	Home THX certified; three-channel.
MP 2S	Copper		Gold Pin, Spade, Banana	1-100 feet	4.00-400.00	Yes	As above but two-channel.	
MP SW	Copper		Gold Pin, Spade, Banana	1-100 feet	3.50-350.00	Yes	As above but single-channel.	
MP CL UL	Copper		Gold Pin, Spade, Banana	1-100 feet	4.00-400.00	Yes	Home THX certified; CL-3/FT-4 rated.	
XP 3F	Copper		Gold Pin, Spade, Banana	15-30 feet	40.00-80.00	Yes	Home THX certified; three-channel.	
XP 2S	Copper		Gold Pin, Spade, Banana	15-30 feet	40.00-70.00	Yes	As above but two-channel.	
MUSICAL DESIGN	Aura	Plated Copper	12	Spade, Banana	1-40 feet	63.00-570.00	Yes	Dual-concentric coaxial; 6-ohm characteristic impedance.
MUSIC-LINK	Image-1SC	OFHC	11.5	Copper Spade	1-15 feet	265.00-2155.00/pair	No	Litz.
	Image-2SC	OFHC	8.5	Copper Spade	1-15 feet	495.00-3995.00/pair	No	As above.
	Image-3SC	OFHC	7	Copper Spade	1-15 feet	725.00-5835.00/pair	No	As above.
MUSIC METRE	Calibre	OFHC	14	Pin, Spade, Banana	1-50 feet	54.00-740.00	Yes	Teflon insulation.
	Signature	OFHC	14	Pin, Spade, Banana	1-50 feet	74.00-1740.00	Yes	As above.
	Silver	4N Silver	14	Pin, Spade, Banana	1-50 feet	170.00-6040.00	Yes	
NAIM AUDIO	NAC A5	Copper			5.00/foot		Two-conductor.	
THE NATURAL CHORD	Dichord Natural Chord Speaker	Copper	14	Spade, Pin, Spade, Banana	1-3 meters 1-15 feet	150.00-295.00 150.00-600.00	Yes Yes	Custom lengths. Litz; shielded coaxial.
NIRVANA AUDIO	S-L Series	Copper		HD Spade, WBT Banana	1½-10 meters	895.00-5000.00	No	Litz; Teflon insulation; noise-cancelling geometry.



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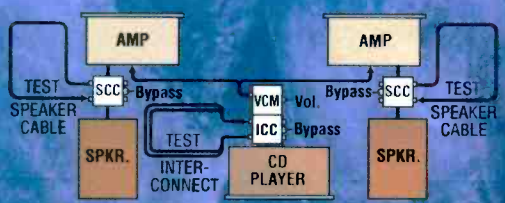
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CIRCLE NO. 3 ON READER SERVICE CARD

# SPEAKER CABLES

MANUFACTURER	Model	Conducting Material	Gauge (AWG No.)	Connector Type	FINISHED CABLES			Notes
					Minimum and Maximum Lengths	Minimum and Maximum Prices, \$	Available in Bulk?	
NORDOST	2Flat 4Flat Flatline Gold Super Flatline	OFC OFC OFC OFC		Spade, Banana Spade, Banana	1-328 feet 1-328 feet 2-5 meters 2-5 meters	2.00-656.00 4.00-1312.00 90.00-160.00 160.00-300.00	Yes Yes Yes Yes	Flat; Teflon insulation. Four-conductor; flat; bi-wire; Teflon insulation. Eight-conductor; flat; extruded Teflon insulation. 16-conductor; flat; bi-wire; extruded Teflon insulation.
	Blue Heaven Red Dawn SPM Reference	Silver-plated OFC Extruded Silver OFC Extruded Silver OFC		Spade, Banana Spade, Banana Spade, Banana	2-5 meters 2-5 meters 2-5 meters	400.00-700.00 700.00-1600.00 2900.00-5600.00	No No No	72-conductor; extruded Teflon insulation. 38-conductor. 32-conductor; bi-wire.
OCOS BY SUMIKO	OCOS Evo III	Copper		OCOS Rhodium	6-300 feet	†	Yes	Semi-conductive dielectric. †\$10.00/foot/pair; termination, \$75.00; requires OCOS adaptors (\$80.00/set of four).
OVOX BY KIMBER KABLE	88 38 33	HP Silver HP Silver HP Copper		Spade, Banana Spade, Banana Spade, Banana	3 feet up 3 feet up 3 feet up	6300.00 up 2300.00 up 990.00 up		Mechanical damping. Constant radial compression. As above.
PARADOX	White Red	Copper Copper	15 12	Spade Spade	1-10 meters 1-10 meters	600.00-2400.00/pair 1200.00- 4800.00/pair	No No	Teflon insulation. As above.
POLYFUSION AUDIO	PSD Series PSQ Series	Copper Copper	12 12	Pin, Spade, Banana Pin, Spade, Banana	1-5 meters 1-5 meters	226.00-354.00 291.00-387.00	No No	Each conductor, 2 x 12-AWG. Four-conductor; bi-wire.
PRISMA	2.5/4/10 Time Compensated	Copper Copper	† 7.5	Pin, Spade, Banana Spade	5 feet up 7½-20 feet	1.99-4.39/foot	Yes Yes	Custom lengths. †2.5, 12-gauge; 4, 10-gauge; 10, 7.5-gauge. Custom lengths.
PUREST SOUND SYSTEMS	SP 11 AG	Copper	11	Spade	4-35 feet	7.50	Yes	Teflon insulation.
PURIST AUDIO DESIGN	Elementa Aqueous Maximus Colossus Proteus Dominus Dominus Light	Copper Copper/Silver Copper/Silver/Alloy Silver/Chrome/Alloy Alloy Copper/Silver/Alloy Copper/Silver/Alloy		Spade Spade Spade Spade Spade 8mm Spade 8mm Spade	1-10 meters 1-10 meters		Yes Yes Yes Yes Yes Yes No	Multiple stranded cores; fluid jacket. As above. As above. As above. As above. Solid and stranded cores; fluid jacket. Teflon coated; fluid jacket. Teflon, light, and fluid jacket.



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-David Salz



# SPEAKER CABLES

MANUFACTURER	Model	Conducting Material	Gauge (AWG No.)	Connector Type	FINISHED CABLES			Notes
					Minimum and Maximum Lengths	Minimum and Maximum Prices, \$	Available in Bulk?	
QUDOS	Micro	Copper	18	Banana	8-25 feet	50.00-90.00	Yes	Shielded; Teflon insulation.
	STD	Copper	14	Banana	8-25 feet	70.00-115.00	Yes	As above.
	Bi-Wire	Copper	14	Banana	8-25 feet	110.00-215.00	Yes	As above.
	Profile 8	Copper	12	Banana	8-25 feet	130.00-285.00	Yes	As above.
	Profile 4x4	Copper	10	Banana	8-25 feet	160.00-375.00	Yes	As above.
	Profile Silver 12	Silver	10	Banana	8-25 feet	230.00-585.00	Yes	As above.
RADIO SHACK	Megacable 12-Gauge	Copper	12	Pin	50 feet 50 feet 100 feet	99/foot	Yes	Rope strand; plastic insulation.
	Megacable 16-Gauge	Copper	16			16.99	As above.	
	Megacable Flat	Copper	14			19.99	Rope strand; two-conductor; UL rated; white jacket.	
	Megacable Flat Flex	Copper	16			34.99		
REGA RESEARCH	Rega Wire	Copper		Spade, Banana	4-50 feet	40.00-200.00	Yes	
SILVER SONIC	T-14	OFC/Silver		Any	Any	4.25/foot	Yes	Teflon dielectric.
SIMPLYPHYSICS	Silver Path PTF-2	Copper/Silver		Spade	1-500 feet	100.00-40,000	No	HT Teflon dielectric.
SOLE ELECTRONIQUE	2/C 16GA	Copper	16		1-500 feet	.15/foot	Yes	Two-conductor; 65-strand.
	2/C 14GA	Copper	14		1-500 feet	.21/foot	Yes	As above but 105-strand.
	2/C 12GA	Copper	12		1-250 feet	.34/foot	Yes	As above but 259-strand.
SONORAN AUDIO DESIGNS	Desert Cable Signature	Copper	12	Pin, Spade, Banana	1-15 feet	204.00-730.00	No	Double shield.
	Desert Cable MkII	Copper	14	Pin, Spade, Banana	1-15 feet	164.00-562.00	No	Dual-coaxial.
SOUND IMAGES	SP 1 Signature	Copper	10	Pin, Spade, Banana	3-15 feet	65.00/foot	No	Shielded; Teflon insulation; proprietary geometry over damping core.
	SP 2	Silver/Copper	12	Pin, Spade, Banana	3-15 feet	30.00/foot	No	Proprietary geometry; proprietary dielectric.
SOUND & VIDEO	StarFlex Gold I	Copper	11	Gold Pin, Spade, Banana	4-24 feet	79.00-222.00	No	Starquad design.
	StarFlex Gold II	Copper	13	Gold Pin, Spade, Banana	4-24 feet	65.00-117.00	No	As above.
SPECTRAL AUDIO	MH-750 Ultralinear	Copper		Spade	8-45 feet		No	Optimized for Spectral components.
	MH-770 Ultralinear	Copper		Spade	8-40 feet		As above.	
STINGER ELECTRONICS	SSW10 Brz1 & 2	OFC	10	Pin, Spade, Banana	100-250 feet	104.00-232.00	No	Bronze jacket.
	SSW122	OFC	12	Pin, Spade, Banana	250 feet	100.00	No	Black jacket.
	SFlex121 & 122	OFC	12	Pin, Spade, Banana	100-250 feet	75.00-180.00	No	
	SSW12 Grn2/Pur2/Bk2	OFC	12	Pin, Spade, Banana	250 feet	115.00	No	Green, purple, or black jacket.
	SSW12 Bk5	OFC	14	Pin, Spade, Banana	500 feet	227.00	No	Black jacket.
	SSW165	OFC	16	Pin, Spade, Banana	500 feet	80.00	No	As above.
	SSW161	OFC	16	Pin, Spade, Banana	1000 feet	160.00	No	Clear jacket.
	SSW16 Bk25	OFC	16	Pin, Spade, Banana	25 feet	10.00	No	Black jacket.
	SSW16 Bk5	OFC	16	Pin, Spade, Banana	500 feet	95.00	No	As above.
	SSW16 Bk1	OFC	16	Pin, Spade, Banana	1000 feet	181.00	No	As above.
	SSW16 Wht5/Pur5/Grn5	OFC	16	Pin, Spade, Banana	500 feet	95.00	No	White, purple, or green jacket.
	SSW416 Bk2	OFC	16	Pin, Spade, Banana	250 feet	192.00	No	Black jacket.
	SSW181	OFC	18	Pin, Spade, Banana	1000 feet	95.00	No	As above.
STRAIGHT WIRE	Duo	OFHC	14	Any	Any	1.00/foot	Yes	Dual-twist.
	Backstage	OFHC	14	Any	Any	1.00/foot	Yes	
	Rhythm	OFHC	13	Any	Any	2.00/foot	Yes	Internally bi-wirable.
	Quartet	OFHC	11	Any	Any	3.00/foot	Yes	As above.
	Stage	OFHC	12	Any	Any	4.00/foot	Yes	As above.
	Sextet	OFHC	10	Any	Any	5.00/foot	Yes	Internally tri-wirable.
	Octave	Coated OFHC	12	Any	Any	8.00/foot	Yes	Helix design.
	Encore	Coated OFHC	12	Any	Any	8.00/foot	Yes	Symmetrical coaxial.
	Rhapsody	Coated OFHC	11	Any	Any	15.00/foot	Yes	As above.
	Maestro	Coated OFHC	10	Any	Any	30.00/foot	Yes	384 conductors.
	Virtuoso	Coated Silver/Copper	10	Any	Any	60.00/foot	Yes	Platinum and gold versions available.
	Black Silk	Coated Silver/Copper	9	Any	Any	60.00/foot	Yes	Twelve 17-gauge conductors.
	Pro-12	Coated OFHC	12	Any	Any	6.00/foot	Yes	Coaxial.
Silver Surfer	Silver-clad OFHC	10	Any	Any	12.00/foot	Yes	Hybrid foam TPR insulation.	
SYMDEX SYSTEMS	Alpha	HCOFC	10	Spade, Banana	5-25 feet	160.00-560.00	No	Multiple Teflon-coated conductors.
	Omega	HCOFC	8	Spade, Banana	5-25 feet	275.00-975.00	No	As above.
SYNERGISTIC RESEARCH	Alpha	Copper Matrix		Spade, Banana	5-100 feet	72.00-410.00	Yes	Basket-woven conductor geometry.
	Mark II-S	Copper		Spade, Banana	5-50 feet	214.00-675.00	No	Dual-balance geometry.
	Signature 2	Copper		Spade, Banana	4-35 feet	376.00-1030.00	No	High-frequency transmission line for bi-wiring with Signature 2.
	Signature 3	Copper		Spade, Banana	4-35 feet	376.00-1030.00	No	Bass model available; 32-way quad differential geometry.
	Resolution Reference	Copper		Spade, Banana	6-30 feet	1600.00-4000.00	No	
	Resolution Reference ".5"	Copper/Silver/Matrix	16	Spade, Banana	Any	750.00 up	No	
	Synergy Speaker 1000	Copper Matrix		Pin, Spade, Banana	Any	3.50/foot	Yes	
	Designers Reference	Copper/Silver/Matrix		Spade, Banana	Any	2800.00 up	Yes	32-way quad differential geometry.
TARA LABS	Prism Klara	OFHC	16	Any	Any	.79/foot†	Yes	†Plus termination fee.
	Prism Install 216	OFHC	16	Any	Any	.79/foot†	Yes	CL-3 rated.
	Prism Install 416	OFHC	16	Any	Any	1.29/foot†	Yes	As above; four conductors per run.
	Prism Omni	OFHC	14	Any	Any	†1.00/foot†	Yes	
	Prism 2+2	OFHC	14	Any	Any	3.00/foot†	Yes	Bi-wire.
	Prism Bi Wire	OFHC	14	Any	Any	4.00/foot†	Yes	As above.
	RSC Prime 500	OFHC	Any	Any	Any	7.00/foot†	Yes	Rectangular solid-core.
	RSC Prime 1000	OFHC	Any	Any	Any	9.00/foot†	Yes	As above; bi-wire.
	RSC Reference Generation 2	OFHC		Spade, Banana	359.00/8-foot pair	No		
	RSC Master Generation 2	Consonant Alloy		Spade, Banana	810.00/8-foot pair	No		Rectangular solid-core.
RSC Decade	Consonant Alloy		Spade, Banana	2200.00/8-foot pair	No			
The One	Consonant Alloy		Spade	4300.00/8-foot pair	No			
TED'S EXCELLENT CABLE	Insight	OFC	16	Any	Any	2.00/foot†	No	†Plus termination fee. Four-conductor; 65-strand.
	Vitality	OFC	10	Any	Any	20.00/foot†	No	98-strand; expanded Teflon insulation.
TICE AUDIO PRODUCTS	416 A	OFHC	8	Spade, Banana	0.5-100 feet	430.00-3500.00	No	Four individually jacketed leads per set.
	416 A Bi-Wire	OFHC	6	Spade, Banana	1-100 feet	517.00-4200.00	No	As above; bi-wire.
	416 A Wire Jumpers	OFHC	8	Spade, Banana			No	Custom lengths.



# SPEAKER CABLES

MANUFACTURER	Model	Conducting Material	Gauge (AWG No.)	FINISHED CABLES			Available in Bulk?	Notes
				Connector Type	Minimum and Maximum Lengths	Minimum and Maximum Prices, \$		
TRANSPARENT CABLE	The Wave 200	Copper		Banana	8-35 feet	165.00-505.00	No	Passive network on cable.
	The Wave 100	Copper		Banana	8-35 feet	200.00-580.00	No	As above.
	MusicWave	Copper		Spade	8-35 feet	315.00-855.00	No	As above.
	MusicWave Biwire	Copper		Spade	8-35 feet	455.00-995.00	No	As above.
	MusicWave Plus	Copper		Spade	8-35 feet	530.00-1340.00	No	As above.
	MusicWave Plus Biwire	Copper		Spade	8-35 feet	670.00-1480.00	No	As above.
	MusicWave Super	Copper		Spade	8-35 feet	1200.00-2820.00	No	As above.
	MusicWave Ultra	Copper		Spade	8-35 feet	2300.00-3920.00	No	As above.
	Plus BiCable	Copper		Spade	8-35 feet	1100.00-3125.00	No	As above.
	Super BiCable	Copper		Spade	8-35 feet	2000.00-4700.00	No	As above.
	Ultra BiCable	Copper		Spade	8-35 feet	3400.00-7100.00	No	As above.
	Reference	Copper		Spade	8-35 feet	4800.00-7600.00	No	As above.
	Reference XL	Copper		Spade	8-35 feet	9800.00-15,300	No	As above.
	The Wall	Copper				4.00/foot	Yes	CL rated; in-wall.
	The Wall Plus	Copper				8.50/foot	Yes	As above.
	The Wall Premium	Copper				17.00/foot	Yes	As above.
The Brick	Copper		Spade		350.00/pair		Network for The Wall.	
The Brick Plus	Copper		Spade		450.00/pair		Network for The Wall Plus.	
The Brick Super	Copper		Spade		800.00/pair		Network for The Wall Premium.	
The Brick Ultra	Copper		Spade		1700.00/pair		As above.	
TRIANGLE	TC 2 250	OFC		Any	1-328 feet	2.00-820.00	Yes	Flat, multi-strand.
	TC 4 250	OFC		Any	1-328 feet	4.00-1476.00	Yes	As above.
TRIBUTARIES	SP1	OFHC	16			.50/foot	Yes	Square/round jacket.
	SP2	OFHC	12			1.25/foot	Yes	As above.
	SP3F	OFHC	14			1.25/foot	Yes	Flat, flexible; white jacket.
	SP4	Silver-plated OFHC	14			4.00/foot	Yes	
	SP5F	Silver-plated OFHC	14			5.00/foot	Yes	Flat, flexible.
	SP12	OFHC	12			1.00/foot	Yes	White or dark gray.
	SP16	OFHC	16			.40/foot	Yes	As above.
	CS162	Copper	16				Yes	CL-3 rated; two-conductor; white jacket.
	CS164	Copper	16				Yes	CL-3 rated; four-conductor; white jacket.
	CS142	Copper	14				Yes	CL-3 rated; two-conductor; white jacket.
	CS144	Copper	14				Yes	CL-3 rated; four-conductor; white jacket.
	CS244S	Copper	22				Yes	CL-2 rated; twisted pair with shield and drain.
	CS164+4	Copper	16/22				Yes	As above; four-conductor.
VAMPIRE WIRE	Baby Bat	Copper				.20/foot	Yes	
	210C	Copper				.55/foot	Yes	
	826C	Copper				.95/foot	Yes	
	2100C	Copper				1.95/foot	Yes	
	SC-384	Silver-clad Copper				2.95/foot	Yes	
	SC-554	Silver-clad Copper				3.95/foot	Yes	
	SC-1108	Silver-clad Copper				7.95/foot	Yes	
	ST-I	Copper				7.95/foot	Yes	Continuous-cast copper.
	ST-II	Copper				12.95/foot	Yes	As above.
	ST-III	Copper				19.95/foot	Yes	As above.
	18-2S	Copper				45/foot	Yes	CL-3 rated.
	16-2CI	Copper				60/foot	Yes	As above.
	16-4CI	Copper				1.00/foot	Yes	As above.
	14-2CI	Copper				.65/foot	Yes	As above.
14-4CI	Copper				1.30/foot	Yes	As above.	
THE VANSEVERS CO.	9-SN	Copper	9	Spade	5-30 feet	579.00-2019.00	No	Separate positive and negative cables.
	6-PASN	Copper	6	Spade	5-20 feet	1159.00-2839.00	No	As above.
WIREWORLD	Horizon 16/4	Copper†	13	Pin, Spade, Banana	0.33-500 feet	2.10/foot††	Yes	Tubular conductors; CM/FT-4 rated.
	Orbit	Copper†	15	Pin, Spade, Banana	0.33-500 feet	2.70/foot††	Yes	†Grain-optimized. ††8-foot pair, \$49.00.
	Solstice II	Copper†	13	Pin, Spade, Banana	0.33-200 feet	3.90/foot††	Yes	Symmetrical coaxial; polypropylene foam dielectric; CL-3/FT-4 rated. ††8-foot pair, \$85.00.
	Oasis II	Copper†	10	Pin, Spade, Banana	0.33-200 feet	7.80/foot††	Yes	As above. ††8-foot pair, \$115.00.
	Oasis II Biwire	Copper†	13x2	Pin, Spade, Banana	0.33-200 feet	7.80/foot††	Yes	Dual symmetrical coaxial; polypropylene foam dielectric; CL-3/FT-4 rated. ††8-foot pair, \$200.
	Atlantis II	Copper†	10	Pin, Spade, Banana	0.33-200 feet	12.00/foot††	Yes	As above. ††8-foot pair, \$225.00.
	Atlantis II Biwire	Copper†	13x2	Pin, Spade, Banana	0.33-200 feet	12.00/foot††	Yes	As above; coated strands. ††8-foot pair, \$280.
	Equinox III	Copper†	9	Pin, Spade, Banana	0.33-100 feet	30.00/foot††	Yes	As above. ††8-foot pair, \$310.00.
	Equinox III Biwire	Copper†	12x2	Pin, Spade, Banana	0.33-100 feet	30.00/foot††	Yes	Dual symmetrical coaxial; Teflon dielectric; polymer-coated strands. ††8-foot pair, \$600.00.
	Polaris III	Copper†	11	Silver Spade, Gold/Copper Banana	0.33-100 feet	36.00/foot††	Yes	As above. ††8-foot pair, \$650.00.
	Eclipse III	Copper†	8	Silver Spade, Gold/Copper Banana	0.33-100 feet	72.00/foot††	Yes	Symmetrical coaxial; microporous Teflon dielectric; polymer-coated strands. ††8-foot pair, \$750.00.
	Eclipse III Biwire	Copper†	11x2	Silver Spade, Gold/Copper Banana	0.33-100 feet	72.00/foot††	Yes	Dual symmetrical coaxial; microporous Teflon dielectric; polymer-coated strands. ††8-foot pair, \$1400.00.
	Silver Eclipse III	Silver†	11	Silver Spade, Gold/Copper Banana	0.33-100 feet	120.00/foot††	Yes	As above. ††8-foot pair, \$2150.00.
	Gold Eclipse III	Silver†	8	Silver Spade, Gold/Copper Banana	0.33-100 feet	240.00/foot††	Yes	As above. ††8-foot pair, \$4200.00.
Gold Eclipse III Biwire	Silver†	11x2	Silver Spade, Gold/Copper Banana	0.33-100 feet	240.00/foot††	Yes	As above. ††8-foot pair, \$4300.00.	
Terra 16/4	OFC	14	Pin, Spade, Banana	0.33-500 feet	.99/foot†	Yes	Tubular conductors; CL-3/FT-4 rated. †8-foot pair, \$31.00.	
Luna 16/4	OFC	13	Pin, Spade, Banana	0.33-500 feet	1.50/foot†	Yes	Tubular conductors; CM/FT-4 rated. †8-foot pair, \$39.00.	
WOODS INDUSTRIES	16/2 Thunder Speaker Wire	OFC	16		50-100 feet	19.99-34.99	No	UL.
	14/2 Thunder Speaker Wire	OFC	14		50-100 feet	26.99-49.99	No	As above.
	12/2 Thunder Speaker Wire	OFC	12		50-100 feet	36.99-69.99	No	As above.
	16/2 Thunder Cable	OFC	16		500 feet	159.99	Yes	CL-2 rated.
	14/2 Thunder Cable	OFC	14		500 feet	219.00	Yes	As above.
	12/2 Thunder Cable	OFC	12		500 feet	319.00	Yes	As above.
	16/4 In-Wall	Copper	16		500 feet	207.99	Yes	As above.
	16/2 In-Wall	Copper	16		500 feet	112.99	Yes	As above.



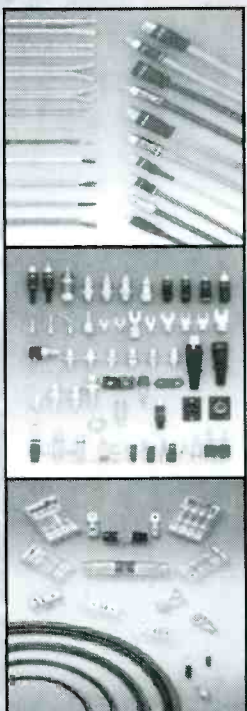
# SPEAKER CABLES

MANUFACTURER	Model	Conducting Material	Gauge (AWG No.)	Connector Type	FINISHED CABLES		Available in Bulk?	Notes
					Minimum and Maximum Lengths	Minimum and Maximum Prices, \$		
XLO ELECTRIC	XLO/VDO ER-11	4N Copper	12	Pin, Spade, Banana	4 feet up	†	Yes	THX certified. †First 4-foot pair, \$78.00 (includes termination); each additional pair/foot, \$7.00.
	XLO/VDO ER-12	4N Copper	†	Pin, Spade, Banana	4 feet up	††	Yes	THX certified. †Shotgun, 9-gauge, bi-wire, 12-gauge. ††First 4-foot pair, \$106.00 (includes termination); each additional pair/foot, \$14.00; internal bi-wire, \$15.00.
	XLO/VDO ER-14	4N Copper	14	Pin, Spade, Banana	4 feet up	†	Yes	THX certified. †First 4-foot pair, \$44.00 (includes termination); each additional pair/foot, \$3.50.
	XLO/VDO ER-15	4N Copper/Silver	14	Pin, Spade, Banana	Any feet	1.19/foot	Yes	Flat-web; white jacket.
	XLO/VDO ER-16	4N Copper/Silver	12	Pin, Spade, Banana	Any feet	1.49/foot	Yes	As above.
	XLO/Pro Type 650F	4N Copper	12	Pin, Spade, Banana	4 feet up	†	Yes	Braided. †First 4-foot pair, \$78.00 (includes termination); each additional pair/foot, \$7.00.
	XLO/Pro Type 600	4N Copper	11	Pin, Spade, Banana	4 feet up	†	Yes	Multiple solid-core. †First 4-foot pair, \$90.00 (includes termination); each additional pair/foot, \$10.00.
	XLO/Pro Type 1200	4N Copper	†	Pin, Spade, Banana	4 feet up	††	Yes	†Shotgun, 8-gauge; bi-wire, 11-gauge. ††First 4-foot pair, \$130.00 (includes termination); each additional pair/foot, \$20.00; internal bi-wire, \$15.00.
	XLO Ultra 6	4N Copper	10	Pin, Spade, Banana	4 feet up	†	Yes	Multiple solid-core; Teflon insulation. †First 4-foot pair, \$150.00 (includes termination); each additional pair/foot, \$25.00.
	XLO Ultra 12	4N Copper	†	Pin, Spade, Banana	4 feet up	††	Yes	Multiple solid-core; Teflon insulation. †Shotgun, 7-gauge; bi-wire, 10-gauge. ††First 4-foot pair, \$250.00 (includes termination); each additional pair/foot, \$50.00.
	XLO Type 64	4N Copper	10	Spade, Banana	4 feet up	†	Yes	Teflon insulation. †First 4-foot pair, \$295.00 (includes termination); each additional pair/foot, \$55.00.
	XLO Type 5	6N Copper	10	Spade, Banana	4 feet up	†	Yes	Teflon insulation. †First 4-foot pair, \$540.00 (includes termination); each additional pair/foot, \$110.00.
	XLO Signature Type 5.1	6N Copper	8	Spade, Banana	4 feet up	†	Yes	Teflon insulation; multi-strand. †First 4-foot pair, \$1110.00 (includes termination); each additional pair/foot, \$240.00.
	VDO/CL3 Super 16/2	4N Copper	16x2		500 feet	.96/foot	Yes	In-wall; CL-3 rated; white or green jacket.
VDO/CL3 Super 16/4	4N Copper	12x2, 16x4		500 feet	1.88/foot	Yes	In-wall; CL-3 rated; white or purple jacket.	

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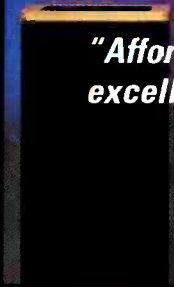
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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 W/1 m, Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
ABSTRACT ACOUSTICS	Micro-Monitor	Surround Ch., Ported	No	(2)4			3/4	Dome	80-18	88		8/4	5 x 15 x 5	Blk.	Blk. Metal	5	119.90 Pair
	Micro-Center	CCD-100	Yes	(2)4			3/4	Dome	80-18	88		8/4	5 x 14 x 5	Blk.	Blk. Metal	8	179.90 Pair
	ASX-Pro50/AV	Bass Ref.	Yes	(2)4 1/2			3/4	Dome	55-20	88		8/4	6 x 17 x 7	Blk.	Blk. Knit	12	149.00 Each
	Power-288	Bass Ref.	Yes	6 1/2			3/4	Dome	60-20	90		8/7	12 x 8 x 9	Blk.	Blk. Knit	12	219.90 Pair
	ASX-Pro.100	Powered Isobaric Sub.	No	(2)8					35-150 Hz			8/7	15 x 11 x 16	Blk.	Blk. Knit		449.90 Each
	ASX-Pro.120	Bass Ref.	No	8			3/4	Dome	45-20	90		8/7	10 x 32 x 8	Blk.	Blk. Knit	25	249.90 Pair
	ASX-Pro.400	Bass Ref.	No	10	5	Cone	3/4	Dome	35-20	91		8/7	13 x 30 x 13	Blk.	Blk. Knit	36	349.90 Pair
	ASX-Pro.200	Bass Ref.	No	12	5	Cone	3/4	Dome	35-20	92		8/7	15 x 32 x 13	Blk.	Blk. Knit	42	449.90 Pair
	ASX-Pro.Sub	Powered Sub.	No	(2)8			1	Dome	35-20	90		8/7	15 x 32 x 13	Blk.	Blk. Knit	34	499.90 Pair
	ASX-Pro.800	Bass Ref.	No	(2)12	5	Cone	3/4	Dome	28-150 Hz			8/7	18 x 18 x 18	Blk.	Blk. Knit	48	499.90 Each
ASX-Pro.1500	Bass Ref.	No	(2)15	6	Cone	3/4	Dome	35-20	91		8/7	15 x 40 x 13	Blk.	Blk. Knit	57	699.90 Pair	
101DII	Pas. Rad.	No	8			3/4	Dome	40-20	91		8/7	12 x 32 x 10	Blk.	Blk. Knit	60	1100.00 Pair	
102DIII	Bass Ref.	No	(2)8			1	Dome	35-20	90		8/7	16 x 36 x 10	Blk.	Blk. Knit	23	279.90 Pair	
																46	449.90 Pair
ACARIAN SYSTEMS	Alón Lotus SE	Inf. Baf.	No	8	5 1/4	Cone	3/4	Dome	35-25 ±3	90	500.3.5k	14/8	42 x 9 x 13	Blk. Gloss	Blk. Knit	60	3500.00 Pair
	Alón Centris	Inf. Baf.	Yes	(2)5 1/4			1	Dome	60-25	90	3.5k	8/4	16 x 8 x 10	Blk. Ash	Blk. Knit	16	600.00 Each
	LCR	Surround; Dual Vented	No	(2)5 1/4			(2)3/4	Domes	55-22	91	3.5k	8/4	16 x 14 x 10	Blk. Ash	Blk. Knit	16	600.00 Each
	Alón Centris	Surround	No	(2)5 1/4			(2)3/4	Domes	55-22	91	3.5k	8/4	16 x 14 x 10	Blk. Ash	Blk. Knit	16	600.00 Each
	Alón Phalanx	Inf. Baf.	No	10	(6)5 1/4	Dipole, Cones	1	Dipole, Dome	32-25 ±3	87	125,400, 3.5k	8/4	Four Pieces	Blk. Ash	Blk. Knit	360 Sys.	22,000 Sys.
	Alón V MKII	Inf. Baf.	No	10	5 1/4	Dipole, Cone	1	Dipole, Dome	34-25 ±3	87	400,3.5k	8/4	12 x 49 x 15	Opt.	Blk. Knit	110	4950.00 Pair
	Alón IV	Inf. Baf.	No	12	5 1/4	Dipole, Cone	1	Dipole, Dome	29-25 ±3	87	400,3.5k	8/3	14 x 46 x 18	Opt.	Blk. Knit	120	3500.00 Pair
	Alón II	Ac. Sus.	No	10	5 1/4	Dipole, Cone	1	Dipole, Dome	39-25 ±3	87	400,3.5k	8/4	11 x 42 x 13	Opt.	Blk. Knit	69	2300.00 Pair
	Alón I	Ac. Sus.	No	8	4 1/2	Dipole, Cone	3/4	Dipole, Dome	49-25 ±3	87	500,3.5k	8/4	9 x 38 x 13	Opt.	Blk. Knit	49	1590.00 Pair
	Alón Point V	Vented	No	(2)6 1/2			1	Dipole, Dome	40-20 ±3	87	3.5k	8/4	38 x 8 x 13	Blk. Ash Lam.	Blk. Knit	39	1095.00 Pair
Alón Petite	Vented	No	5 1/4			1	Dipole, Dome	55-20 ±3	87	3.5k	8/6	6 x 15 x 8	Opt.	Blk. Knit	15	995.00 Pair	
Alón SW-1	Isobaric Sealed Sub	No	(2)12			1	Dipole, Dome	16-100 Hz	89		4/2	25 x 25 x 15	Blk. Ash	Blk. Knit	110	990.00 Each	
PW1	Resistive Vent Sub.	No	(2)6 1/2			1	Dipole, Dome	35-55 Hz ±3	88	55	8/6	29 x 8 x 15	Blk. Ash Lam.	Blk. Knit	39	500.00 Each	
Adriana	Vented	No	(2)5 1/4			1	Dipole, Dome	35-25 +0,-6	87	125,3.5k	8/4	15 x 8 x 14	Lacq. Cherry	Blk.	40	9999.00 Pair	
Poseidon	Compression Isobaric Stereo Sub.	No	(8)12			1	Dipole, Dome	16-100 Hz +0,-6	90		2/	Two Pieces Per Side	Blk. Ash	Blk. Knit	220 Side	15,000 Sys.	
ACI	Sapphire III	Aperiodic Powered Sub.	No	7			1	Dipole, Dome	64-20 ±3	90		6/4	16 x 10 x 10	Opt.	Blk. Knit	14	1899.00 Pair
	Titan	Powered Sub.	No	12			1	Dipole, Dome	20-180 Hz ±3		50-180		27 x 14 x 16	Opt.	Blk. Knit	70	1599.00 Each
	Jr. T	Powered Sub.	No	(2)8			1	Dipole, Dome	34-180 Hz ±3		50-180		16 x 16 x 16	Blk.	Blk. Knit	45	899.00 Each
	MC1	Ctr. Ch. In-Wall	Yes	(2)5 1/4			1	Dipole, Dome	80-20 ±3	93.5		8/6	7 x 17 x 7	Blk. Wht.	Blk. Metal Wht. Metal	7	349.00 Each
B-Flat	In-Wall	No	6 1/2			1	Dipole, Dome	60-20 ±3	89		8/6	12 x 9 x 3	Blk. Wht.	Blk. Metal Wht. Metal	9	499.00 Pair	
B-Flat II	In-Wall; Coaxial	No	8			1	Dipole, Dome	48-20 ±3	89		8/6	10 x 10 x 3	Blk. Wht.	Blk. Metal Wht. Metal	9	499.00 Pair	
ACOUSTIC ENERGY	AE 120	Bass Ref.	Yes	(2)4 1/2	4 1/2	Cone	1	Dipole, Dome	45-22 ±3	91		8/6	7 x 36 x 10	Opt., Wood Vinyl	Blk. Knit	52	1149.00 Pair
	AE 108	Powered Sub.	No	12			1	Dipole, Dome	20-125 Hz ±3		Var.		18 x 16 x 18	Blk. Vinyl	Blk. Knit	50	750.00 Each
	AE 1 Signature	Bass Ref.	No	4 1/2			1	Dipole, Dome	65-22 ±2	88		8/8	7 x 12 x 10	Opt.	None	27	4395.00 Pair
	AE 2 Signature	Bass Ref.	No	(2)4 1/2			1	Dipole, Dome	50-22 ±1.5	90		8/6	9 x 15 x 13	Opt.	None	51	6995.00 Pair
	AE 1 Reference Series 2	Bass Ref.	No	4 1/2			1	Dipole, Dome	65-22 ±3	89		8/8	7 x 12 x 10	Opt.	Blk. Knit	18	From 1995.00 Pair
	AE 2 Reference Series 2	Bass Ref.	No	(2)4 1/2			1	Dipole, Dome	50-22 ±2.5	90		8/6	9 x 15 x 13	Opt.	Blk. Knit	38	From 2795.00 Pair
	AE 5R Reference Series 2	Bass Ref.	No	(4)4 1/2	(2)4 1/2	Cones	1	Dipole, Dome	35-25 ±2	91		8/6	9 x 44 x 13	Rswd.	None	95	14,995 Pair
	AE 100	Bass Ref.	Yes	4 1/2			1	Dipole, Dome	70-22 ±3	89		8/6	7 x 12 x 10	Opt., Wood Vinyl	Blk. Knit	13	449.00 Pair
AE 107C	Ctr. Ch.; Bass Ref.	Yes	(2)4 1/2			1	Dipole, Dome	55-22 ±3	90		8/6	18 x 6 x 8	Blk. Vinyl	Blk. Knit	18	349.00 Each	
AE 109	Bass Ref.	Yes	(2)4 1/2			1	Dipole, Dome	55-22 ±3	91		8/6	7 x 33 x 10	Opt., Wood Vinyl	Blk. Knit	45	799.00 Pair	
ACOUSTIC INTERFACE	Angstrom Shadow	Ac. Sus.	Opt.	6 1/2			1	Dipole, Dome	78-20 ±2.5	90	5k	8/6	13 x 8 x 7	Blk. Enamel	Blk. Knit	12	190.00 Each
	Intimate	Ac. Sus.	Opt.	8			1	Dipole, Dome	69-20 ±2.5	91	5k	8/6	25 x 9 x 9	Blk. Knit	Blk. Knit	21	240.00 Each
	Transcendant	Ac. Sus.	No	10			1	Dipole, Dome	49-20 ±2.5	93	5k	8/6	24 x 12 x 10	Oiled Oak	Blk. Knit	32	390.00 Each
	Professional II	Vented	No	12	2	Dome	(2)1 1/4	Domes	38-20 ±2.5	94	1.9k	8/6	32 x 16 x 12	Oiled Wal.	Blk. Knit	51	590.00 Each
	Professional III	Vented	No	12	3	Dome	1	Domes	29-20 ±2.5	95	800.5k	8/6	36 x 16 x 14	Oiled Oak	Blk. Knit	55	1290.00 Each
	Studio Reference	Vented	No	12	3	Dome	1 1/2, 3/4	Domes	25-20 ±2.5	95	600.2k, 6k	8/6	48 x 16 x 14	Oiled Oak	Blk. Knit	85	1990.00 Each
	Sound Portal	Vented	No	12	3	Dome	1 1/2, 3/4	Domes	22-20 ±2.5	98	880.5k	8/6	60 x 16 x 14	Oiled Oak	Blk. Knit	105	2990.00 Each
	Sound Prism	Dual Horn	No	18		Horn		Horn	15-20 ±2.5	105	550.5k	8/6	80 x 27 x 36	Oiled Wal.		500	15,000 Each
	Tremor	Triamped; Dual Horn Stereo Sub.	No	18		Horn		Horn	10-20 ±2	105	550.5k	8/6	80 x 27 x 36	Oiled Oak		600	25,000 Each
				No	(2)12				±2.5	93	75-200	8/6	26 x 62 x 16	Oiled Wal.	Blk. Knit	150	1790.00 Each
ACOUSTIC PROFILES	PSL-C200	Bass Ref.	Yes	(2)4 1/2	(2)4 1/2	Cones	1	Dipole, Dome	40-20	88		8/4	6 x 22 x 9	Blk.	Blk. Knit	21	329.90 Each
	PSL-C20	Bass Ref.	Yes	(2)4 1/2	3	Cone	(2)3/4	Domes	50-20	89		8/4	6 x 19 x 9	Blk.	Blk. Knit	17	249.90 Each
	PSL-C2	Bass Ref.	Yes	(2)4 1/2			3/4	Dome	55-20	88		8/4	6 x 17 x 7	Blk.	Blk. Knit	12	199.00 Each
	PSL-0.5CTR	Ctr. Ch.; Bass Ref.	Yes	(2)4			3/4	Dome	80-18	88		8/4	5 x 14 x 5	Blk.	Blk. Metal	8	179.90 Each
	PSL-0.5	Surround Ch.; Ported	No	(2)4			3/4	Dome	80-18	88		8/4	5 x 15 x 5	Blk.	Blk. Metal	5	119.90 Pair

(Continued)



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms; Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
ACOUSTIC PROFILES (Continued)	MSL-1A	Bass Ref.	No	6½			¾	Dome	40-20	90		8/	9 x 14 x 12	Blk.	Blk. Knit	12	229.00 Pair
	PSL-821A/V	Bass Ref.	Yes	8			¾	Dome	30-20	91		8/4	10 x 32 x 8	Blk.	Blk. Knit	25	359.90 Pair
	DC-10 SUB	Powered Sub.	No	10					28-150 Hz				13 x 18 x 16	Blk.	Blk. Knit	37	429.00 Each
	PSL-6.5A/V	Bass Ref.	Yes	6½			¾	Dome	85-20			8/	14 x 8 x 9	Blk.	Blk. Knit	12	230.00 Pair
	PSL-88.6SE	Bass Ref.	No	8			1	Dome	25-20	91		8/	10 x 40 x 15	Blk.	Blk. Knit	55	699.90 Pair
ACOUSTIC RESEARCH	208 HO	Bass Ref.	No	8			1	Dome	35-20	90		6/	10 x 35 x 12	Blk.	Blk. Knit	44	699.90 Pair
	206 HO	Bass Ref.	No	(2)8	4	Cone Cone	1	Dome	25-20	90		6/	10 x 42 x 14	Blk.	Blk. Knit	58	999.90 Pair
	CS 25 HO	Ported Ctr. or Surround Ch.	Yes	12	(2)5¼	Cones	1	Dome	30-20 ±2	97	130,2.5k	8/	44 x 11 x 19	Opt.	Blk. Knit	74	1199.00 Pair
	312 HO	Ported	Yes	10	(2)5¼	Cones	1	Dome	35-20 ±3	95	130,2.5k	8/	37 x 10 x 17	Opt.	Blk. Knit	57	899.00 Pair
	308 HO	Ported	Yes	8	5¼	Cone	1	Dome	50-20 ±3	92	180,2.5k	8/	19 x 8 x 12	Opt.	Blk. Knit	30	649.00 Pair
	208 HO	Ported	Yes	8			¾	Dome	50-20 ±3	92	2.5k	8/	18 x 10 x 13	Opt.	Blk. Knit	26	449.00 Pair
	206 HO	Ported	Yes	6½			¾	Dome	55-20 ±3	91	3k	8/	14 x 8 x 9	Opt.	Blk. Knit	15	249.00 Pair
	S 12 HO	Ported Powered, Ported Sub.	No	12			1	Dome	80-20 ±2	94		8/		Blk.	Blk. Knit	17	279.00 Each
	S 10 HO	Ported Powered, Ported Sub.	No	10					20-200 Hz		Var.		16 x 16 x 16	Blk.	Blk. Knit	50	549.00 Each
	S 8 HO	Ported Powered, Ported Sub.	No	8					35-200 Hz		Var.		14 x 15 x 15	Blk.	Blk. Knit	42	439.00 Each
	The Edge The Leading Edge The Cutting Edge	Ported	Yes	5¼			¾	Dome	40-200 Hz		Var.		13 x 13 x 13	Blk.	Blk. Knit	28	329.00 Each
	218V	Ac. Sus.	Yes	12	5¼		¾	Dome	80-20 ±3	91	3.5k	8/	10 x 7 x 7	Opt.	Blk. Metal	7	279.00 Pair
	303	Ac. Sus.	Yes	12			¾	Dome	20-20 ±3		3.5k	8/	Six Pieces	Blk.	Blk. Metal	65	1999.00 Sys.
	205VC	Ctr. Ch.; Ac. Sus.	Yes	4½			¾	Dome	120-20 ±3	89	4.2k	8/		Opt.	Blk. Knit	4	149.00 Pair
	SW30	Powered, Ac. Sus. Sub.	Yes	10	4½		¾	Dome	35-20 ±3		4.2k	8/	Six Pieces	Opt.	Blk. Knit	47	999.00 Sys.
ADS	L210	Indoor/Outdoor; Ac. Sus.	Yes	4			1	Dome	85-20 ±3	88		4/	7 x 5 x 5	Opt.	Opt., Steel	6	399.00 Pair
	L310/V L310/AW	Ac. Sus. Indoor/Outdoor; Ac. Sus.	Yes	5¼			1	Dome	68-20 ±3	90	2k	4/	8 x 6 x 6	Opt.	Opt., Steel	10	499.00 Pair
	L400e	Ac. Sus.	No	6½			1	Dome	68-20 ±3	90	2k	4/	8 x 6 x 6	Opt.	Opt., Steel	10	499.00 Pair
	S500	Ac. Sus.	No	5¼			1	Dome	60-20 ±3	90		4/	12 x 8 x 8	Opt.	Opt., Steel	13	599.00 Pair
	S600	Ac. Sus.	No	5¼			1	Dome	60-20 ±3	88	3k	4/	10 x 6 x 7	Blk.	Blk. Steel	12	529.00 Pair
	S700	Ac. Sus.	No	6½			1	Dome	50-20 ±3	88	3k	4/	13 x 7 x 8	Blk.	Blk. Steel	14	649.00 Pair
	MV10/C	Ctr. Ch.; Ac. Sus.	Yes	(2)6½			(2)1	Domes	40-20 ±3	88	3k	4/	17 x 9 x 10	Blk.	Blk. Steel	22	799.00 Pair
	MV15/S	Dipole Surround	No						59-20 ±3	89	3.5k	4/	9 x 19 x 11	Opt.	Blk. Steel		600.00 Each
	MV20/U	Ac. Sus.	Yes	(2)7¾	1½	Dome	(2)1	Domes	15 x 15 x 5			4/	19 x 15 x 11	Blk.	Blk. Cloth		550.00 Each
	MV30/T	Bass Ref.	Yes	(2)6½			1	Dome	52-20 ±3	89	250,1.25k, 4k	4/		Blk.	Blk. Steel		900.00 Each
	MV40/T	Bass Ref.	Yes	(3)6½			1	Dome	38-20 ±3	88	3.5k	4/	37 x 8 x 10	Opt.	Blk. Steel		1200.00 Pair
	MV60/T	Bass Ref.	Yes	(2)7¾			(2)1	Domes	34-20 ±3	91	250,2.5k	4/	39 x 8 x 12	Opt.	Blk. Steel		1700.00 Pair
	MV80/T	Bass Ref.	Yes	(3)7¾	(2)1½	Domes	1	Dome	30-20 ±3	91	300,2.5k	4/	40 x 10 x 12	Opt.	Blk. Steel		2200.00 Pair
	MV100/T	Powered Bass Ref.	Yes	(2)10, (2)7¾	(2)1½	Domes	1	Dome	29-20 ±3	91	250,1.25k, 4k	4/	48 x 10 x 14	Opt.	Blk. Steel		2800.00 Pair
	C300i/w	In-Wall; Inf. Bat.	No	5¼			1	Dome	22-20 ±3		100,1.2k, 4k	4/	Three Pieces	Opt., Wood	Blk. Steel		12,000 Pair w/Digital Preamp
	C400i/w	In-Wall; Inf. Bat.	No	6½			1	Dome	50-20 ±3	90	2.5k	4/	9 x 7 x 3	Wht.	Wht. Steel	6	399.00 Pair
	750/L	In-Wall; Inf. Bat.	No	7¾	1½	Dome	1	Dome	42-20 ±3	91	2k	4/	11 x 7 x 3	Wht.	Wht. Steel	6	499.00 Pair
	R50i/c	In-Ceiling; Inf. Bat.	No	5¼			1	Dome	40-20 ±3	91	700,4k	4/	18 x 10 x 4	Wht.	Wht. Steel	16	999.00 Pair
	R60i/c	In-Ceiling	No	6½			1	Dome	70-20 ±3	90	3.5k	4/	8 x 4	Wht.	Wht. Steel	6	149.00 Each
	R80i/c	In-Ceiling	No	8			1	Dome	45-20 ±3		3.5k			Wht.	Wht. Metal	7	180.00 Each
	AVF144	Ctr. Ch.; Ac. Sus.	No	(2)4			1	Dome	70-23 ±3	89	2.5k	8/	5 x 13 x 6	Blk.	Blk. Steel	8	200.00 Each
	MS1/U	Powered Bandpass Sub.	Yes	7			1	Dome	38-100 Hz ±3		100			Blk.	Blk. Steel	25	450.00 Each
	MS2/U	Powered Bandpass Sub.		8					30-100 Hz ±3		100			Blk.	Blk. Steel	40	750.00 Each
	MS3/U	Powered Bandpass Sub.		10					20-100 Hz ±3		45-170 (Var.)			Blk.	Blk. Steel	75	1200.00 Each
	MS4/U	Powered Bandpass Sub.		12					17-100 Hz ±3		45-170 (Var.)			Blk.	Blk. Steel	87	1350.00 Each
SW150	Powered Bandpass Sub.		8					30-100 Hz ±3		100			Opt., Wood		42	900.00 Each	
SW300	Powered Bandpass Sub.		10					20-100 Hz ±3		45-170 (Var.)			Opt., Wood		79	1350.00 Each	
SW500	Powered Bandpass Sub.	Yes	12					17-100 Hz ±3		45-170 (Var.)			Opt., Wood		91	1500.00 Each	
ADVANCED AKUSTIC	101 MkIV Micro Reference	OB3 Vented	No	5			1½	Dome	50-24 ±2	87	2.7k	8/4	13 x 7 x 9	Opt., Wood	Blk. Metal	25	2000.00 Pair
	201 MkIV Compact Monitor	Aperiodic	No	7			1½	Dome	45-20 ±2	86	3.15k	8/6	15 x 9 x 11	Opt., Wood	Blk. Metal	35	1800.00 Pair
	401 MkIV Akustic Monitor	Aperiodic	No	(2)7			1½	Dome	40-24 ±2	90	3.15k	4/3	37 x 9 x 11	Opt., Wood	Blk. Metal	65	3000.00 Pair
	801 MkIV Reference Monitor	B6 Vented	No	(2)9			1½	Dome	30-24 ±2	92	2.25k	4/3	50 x 11 x 16	Opt., Wood	Blk. Metal	125	4600.00 Pair
	901 MkIV Reference Monitor	Aperiodic	No	12	(2)7	Cones	1½	Dome	27-24 ±2	92	115,2.7k	6/3	46 x 10 x 18	Rswd.	Blk. Silk	150	6600.00 Pair
(Continued)	1001 MkIV Akustic Reference	Aperiodic	No	(2)12	(2)5	Cones	1½	Dome	25-24 ±2	92	115,2.7k	4/2	62 x 14 x 22	Opt., Wood	Blk. Metal	350	10,000 Pair



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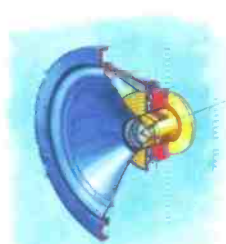
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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Acoustic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
ALTEC LANSING (Continued)	ACS51	Powered	Yes		3	Cone			100-18	89				Gray		3	69.95 Pair
	ACS52	Powered	Yes	4			1/2	Dome	80-20	88				Gray		4	89.95 Pair
	ACS53	Powered; Sats. & Sub.	Yes	(2)4	3	Cone			40-18	89	3.5k 250		Three Pieces	Gray		15	159.95 Sys.
	ACS55	Powered; Sats. & Sub.	Yes	6 1/2	3	Cone	1/2	Dome	32-20	89	250,3.5k		Three Pieces	Gray		15	199.95 Sys.
	ACS500	Powered; Sats. & Sub.	Yes	6 1/2	3	Cone	1/2	Dome	32-20	89	250,3.5k		Three Pieces	Gray		20	299.95 Sys.
	PHT5	Powered; Sats. & Sub.	Yes	6 1/2	3	Cone	1/2	Dome	32-20	89	250,3.5k		Three Pieces	Blk.		20	299.95 Sys.
	ACS160	Powered Sub.	No	6 1/2					32-250 Hz	88	250			Beige		8	99.95 Each
ALTERNATE AUDIO	PS40	Planar Mag. Hybrid	No	10			40	Planar Mag.	35-19 ±3	87	350	8/6	69 x 16 x 17	Opt., Wood	Blk. Knit	80	3500.00 Pair
	PS41	Planar Mag. Hybrid	No	10			40	Planar Mag. Dome	35-20 ±3	88	350	8/6	69 x 16 x 17	Opt., Wood	Blk. Knit	80	4500.00 Pair
	TL8	Trans. Line	No	8			1	Planar Mag. Dome	45-20 ±3	89	1k	8/6	28 x 11 x 12	Opt., Wood	Blk. Knit	35	1400.00 Pair
AMBIANCE ACOUSTICS	California Cube w/EGC-1	Vented	No		(4)4 1/2	Cones			42-15.5	91		8/		Opt.	Opt.		From 1995.00 Pair w/EQ
AMC	WM50	In-Wall	No	5			1	Dome	50-20	90	2.5k	8/	8 x 11 x 3		Wht. Alum.	5	168.00 Pair
	WM75	In-Wall	No	6 1/2			1	Dome	45-20	90	2.5k	8/	9 x 12 x 4		Wht. Alum.	6	216.00 Pair
	WM100	In-Wall	No	8			1	Dome	40-20	89	2.5k	8/	10 x 14 x 4		Wht. Alum.	8	288.00 Pair
	B1-20	Powered Sub.	No	8							40-200 (Var.)		12 x 15 x 12	Blk. Oak	37	749.95 Each	
AMERICAN POWER AND LIGHT	The Screen	Planar Magnetic Video Screen	Yes	(8)8	(6) 36x10	Planar Mag.	(6) 1 1/2x36	Planar Mag.	12-26 ±2	93		3.2/	3-Meter Diagonal Screen	Opt.		500	16,000 Sys.
	Planar Transducer	Planar Magnetic Video Screens & Sub.	Yes	(2) 36x10	(2) 36x10	Planar Mag.	1 1/2x36	Planar Mag.				3.2/	Three Pieces	Opt.	Silk	200	12,000 Sys.
	Alix-Anne	Trans. Line	Yes	(4)8	(4) 1 1/2	Cones	(3) 1 1/2	Cones	38-22 ±2	96		3.2/	36 x 14 x 4	Opt.	Silk	60	4000.00 Pair
	Alix	Trans. Line	Yes	(4)8	(4) 1 1/2	Cones	(3) 1 1/2	Cones	38-22 ±2	94		3.2/	36 x 14 x 4	Opt.	Silk	48	2800.00 Pair
	LT-2	Trans. Line	Yes	(4)6 1/2	(2) 1 1/2	Cones	(2) 1 1/2	Cones	42-22 ±4	88		4.5/	24 x 14 x 3	Opt.	Opt.	21	1500.00 Pair
	Mary Elizabeth T Driver	Multimedia Stereo Sub.	Yes	(2)4 1/2			1 1/2	Cone	45-22 ±4	88		4/4	15 x 6 x 3	Opt.	Opt.	8	700.00 Pair
	Subwoofer V Driver	Stereo Sub.	Yes	(4)8					15 Hz-Sel.	91	Var.	Var.	26 x 18 x 18	Opt.	Opt.	60	From 600.00 Each
Subwoofer								12 Hz-Sel.	93	Var.	Var.	20 x 20 x 20	Opt.		76	1500.00 Each; w/Xover, 2600.00	
	Perimeter Driver	Planar Magnetic	Yes	(2)8	4x8	Planar Mag.	1	Planar Mag.	22-26	88	Var.	4.2/	28 x 14 x 3	Opt.	Silk	22	1000.00 Pair
APOGEE ACOUSTICS	Cassiopeia-6	Ribbon; Hybrid	Yes	6 1/2			4	Ribbon	45-25		1.8k	6/	16 x 10 x 12	Opt.	Blk. Knit	30	From 700.00 Each
	Perseus-6	Ribbon; Hybrid	Yes	(2)6 1/2			4	Ribbon	45-25		1.8k	8/	24 x 9 x 12	Opt.	Blk. Knit	44	From 900.00 Each
	Auriga-F	In-Wall; Ribbon; Hybrid	No	6 1/2			26	Ribbon	40-20 ±3		700	6/4	45 x 10 x 3	Wht.	Wht. Metal	45	2000.00 Pair
	Auriga-S	On-Wall; Ribbon; Hybrid	No	6 1/2			26	Ribbon	40-20 ±3		700	6/4	56 x 13 x 4	Wht.	Wht. Metal	45	2200.00 Pair
	Capella-6	Ribbon	No	6 1/2			4	Ribbon	35-25		1.8k	6/	16 x 11 x 3	Wht.	Wht.	11	500.00 Each
	Cepheus-6	Ribbon Dipole; Hybrid	No	(2)6 1/2			0.7x 26	Ribbon	32-20		700	6/4	53 x 15 x 14	Blk.	Blk. Knit	80	3000.00 Pair
	Cepheus-8	Ribbon Dipole; Hybrid	No	(2)8 1/2			0.7x 40	Ribbon	26-20		600	6/4	60 x 17 x 17	Blk.	Blk. Knit	120	4700.00 Pair
	Stage	Ribbon Dipole	No	12x26			0.7x 26	Ribbon	35-20		600	4/3	37 x 25 x 2	Opt.	Fiberglass	60	3500.00 Pair
	Drago-8 Sub 8	Powered Sub. Sub.	No	(4)8 (2)8					20-80 Hz		Var. 80	3/	24 x 20 x 13 11 x 26 x 18	Opt. Blk.	None Blk.	55	1800.00 Each 3500.00 Pair
	Sub 10	Slot-Loaded Sub.	No	(2)10					20-70 Hz		70	3/	17 x 29 x 25	Textured Blk.	Blk. Cloth	85	4500.00 Pair
	Studio Ribbon Array	Ribbon	No	14x48			0.7x 48	Ribbon	30-20		400	3/	66 x 28 x 3	Textured Opt.	Opt.	110	8000.00 Pair
	Studio Grand	Ribbon & Slot-Loaded Woofer	No	(2)10, 14x48			0.7x 48	Ribbon	20-20			3/	83 x 29 x 25	Opt.	Opt.	195	13,000 Pair
Mini Grand	Ribbon & Sub.	No	(2)8, 12x26			0.7x 26	Ribbon	20-20			3/	Two Pieces Per Side	Opt.	Blk. Knit	115 Side	6500.00 Sys.	
APOGEE SOUND	SSM		No	(2)4 1/2			1	Dome	85-25	112		16/	13 x 6 x 6	Blk. Epoxy	Blk. Metal w/Foam	11	571.00 Each
	AE-1		No	8			1	Dome	63-19	110		8/	10 x 16 x 7	Blk. Epoxy	Blk. Metal w/Foam	17	679.00 Each
	AE-2s2		No	(2)8			(2)1	Domes	63-19	114		16/	32 x 11 x 10	Blk. Epoxy	Blk. Metal w/Foam	38	1207.00 Each
	AE-3s2		No	10				Horn	70-18	121		8/	13 x 16 x 10	Blk. Epoxy	Blk. Metal w/Foam	36	936.00 Each
	AE-4		No	12				Compr. Horn	60-16.5	123		8/	14 x 21 x 28	Blk. Epoxy	Blk. Metal w/Foam	54	1671.00 Each
	AE-5		No	12				Compr. Horn	53-17	125		8/	14 x 23 x 17	Blk. Epoxy	Blk. Metal w/Foam	76	2279.00 Each
	AE-6		No	12				Compr. Horn	53-17	125		8/	23 x 14 x 16	Blk. Epoxy	Blk. Metal w/Foam	66	2279.00 Each
	Stage Monitor		No	(2)10				Compr. Horn	46-16	106		8/	38 x 24 x 25	Blk. Epoxy	Blk. Metal w/Foam	90	2814.00 Each
	AE-7		No	(2)10				Compr. Horn	46-16	106		8/	38 x 24 x 25	Blk. Epoxy	Blk. Metal w/Foam	90	2814.00 Each
	AE-8		No	15				Compr. Horn	46-16	126		8/	19 x 31 x 17	Blk. Epoxy	Blk. Metal w/Foam	90	2564.00 Each
	AE-9		No	15	10	Cone		Compr. Horn	44-17	126		8/	22 x 38 x 23	Blk. Epoxy	Blk. Metal w/Foam	145	3100.00 Each
(Continued)	AE-11	Sub.	No	(2)15				Horn	45-110 Hz	128		8/	29 x 23 x 30	Blk. Epoxy	Blk. Metal w/Foam	225	2214.00 Each



# KEF SOUNDRAVES

## KEF RDM one SPEAKER

As reviewed in

# AUDIO

September 1997

Some notable quotes from Edward M. Long in *Audio's* September issue:

**"...KEF has gained an enviable reputation for producing excellent loudspeakers."**

**"...clear, precise imaging."**

**"The RDM one reminds me of the classic BBC LS3/5a, but with deeper bass and higher output."**

**"...the KEF RDM ones are an excellent value—and very good looking, too."**



Designed by the same engineers as our legendary Reference Series, the RDM one features KEF's patented Uni-Q® technology. Uni-Q places the tweeter at the exact acoustic center of the woofer cone to create a single point source for the entire frequency range—the ideal to which all speakers aspire—producing a flawless soundstage over a much wider listening area. Whether on a bookshelf or stand, the RDM one no longer confines you to sitting in a central sweet spot to enjoy exceptional performance. Audition them for yourself by contacting us for the name of the authorized KEF dealer nearest you. Ask for a full reprint of the RDM one review when you call.



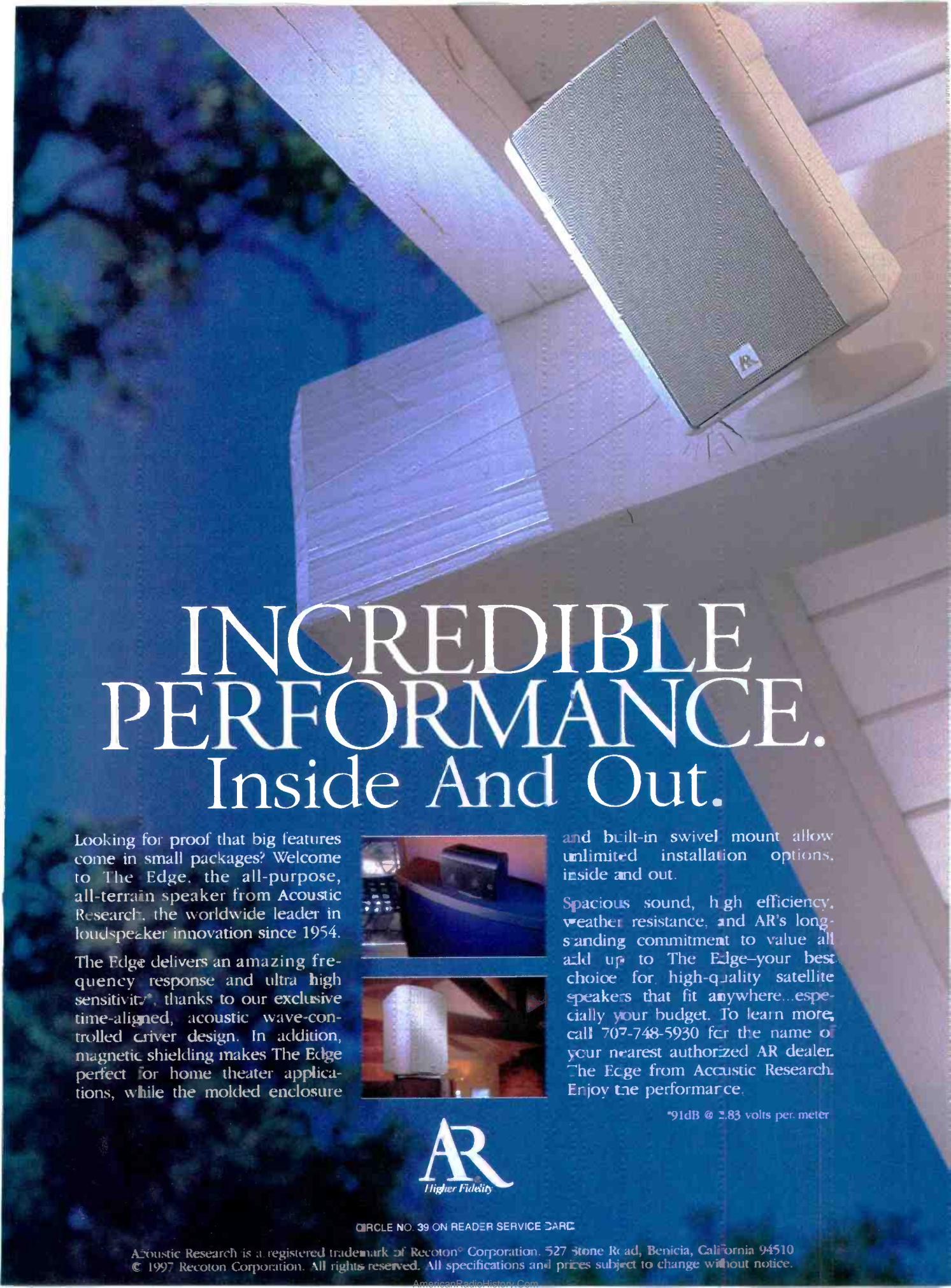
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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
APOGEE SOUND (Continued)	AE-12	Sub.	No	(2)18					30-105 Hz	128		8/	45 x 30 x 23	Blk. Epoxy	Blk. Metal w/Foam	204	2514.00 Each
	AE-15	Sub.	No	(2)15					40-110 Hz	134		4/	29 x 45 x 30	Blk. Epoxy	Blk. Metal w/Foam	264	3421.00 Each
	CSM-2 Studio Monitor		No	10	5	Cone	1	Cone	34-25	90	500,4k	8/	26 x 14 x 17	Blk. Epoxy	Blk. Metal w/Foam	58	2564.00 Each
	AE-3M Stage Monitor 3x3s2		No	10				Horn	70-18	121		8/	16 x 13 x 14	Blk. Epoxy	Blk. Metal w/Foam	36	950.00 Each
	C-3		No	(2)15		Compr. Horn		Compr. Horn	55-17.3	132		8/	29 x 45 x 30	Blk. Epoxy	Blk. Metal w/Foam	270	5314.00 Each
	AE-SB	Sub.	No	(2)18		Compr. Horn		Compr. Horn	58-17.3	132		8/	29 x 35 x 30	Blk. Epoxy	Blk. Metal w/Foam	230	3929.00 Each
	AE-7SB	Sub.	No	(2)15				Horn	45-110 Hz	128		4/	30 x 23 x 21	Blk. Epoxy	Blk. Metal w/Foam	107	1564.00 Each
	AE-10	Sub.	No	(2)15					45-110 Hz	128		4/	38 x 24 x 25	Blk. Epoxy	Blk. Metal w/Foam	145	2214.00 Each
	AE-4M Stage Monitor			12				Compr. Horn	60-16.5	123		8/	14 x 21 x 28	Blk. Epoxy	Blk. Metal w/Foam	54	1671.00 Each
	AE-8B Stage Monitor			15				Compr. Horn	46-16	126		8/	20 x 22 x 27	Blk. Epoxy	Blk. Metal w/Foam	80	2636.00 Each
	ACS-Point 5		No	5			1/2	Dome	100-20	104		8/	9 x 6 x 7	Blk.	Blk. Metal	5	79.00 Each
	ACS-Point 5 Pro		No	5			1/2	Dome	100-20	108		8/	9 x 6 x 7	Blk.	Blk. Metal	6	157.00 Each
	ACS-SAT 2		No	6			1	Dome	150-20	113		8/	11 x 8 x 7	Blk.	Blk. Metal	13	270.00 Each
	ACS-SAT 3		No	6			1	Dome	130-15	108		8/	14 x 8 x 7	Blk.	Blk. Metal	13	386.00 Each
	ACS-1		No	8				Horn	57-15	110		8/	17 x 10 x 11	Blk.	Blk. Metal	22	499.00 Each
	ACS-2		No	(2)8				Horn	65-15.5	113		16/	10 x 26 x 11	Blk.	Blk. Metal	38	784.00 Each
	ACS-3		No	10				Compr. Horn	64-16	119		8/	21 x 17 x 12	Blk.	Blk. Metal	42	850.00 Each
	ACS-4		No	12				Compr. Horn	62-16	120		8/	27 x 17 x 12	Blk.	Blk. Metal	66	993.00 Each
ACS-8		No	15				Compr. Horn	46-16	124		8/	31 x 19 x 15	Blk.	Blk. Metal	86	1850.00 Each	
ACS-110	Sub.	No	10					45-150 Hz	114		8/	13 x 15 x 15	Blk.	Blk. Metal	40	564.00 Each	
ACS-115	Sub.	No	15					36-100 Hz	120		8/	26 x 20 x 20	Blk.	Blk. Metal w/Foam	90	853.00 Each	
ACS-118	Sub.	No	18					35-105 Hz	125		8/	30 x 21 x 22	Blk.	Blk. Metal w/Foam	110	993.00 Each	
ARANT	A-50	Vented		5 1/4			3/4	Dome	70-20 ±3	89	3.5k	4/	10 x 7 x 5	Oiled Wal.	Blk. Knit	10	225.00 Pair
	A-60	Vented		6 1/2			1	Dome	49-20 ±3	90	3.3k	8/	17 x 10 x 8	Oiled Wal.	Blk. Knit	15	300.00 Pair
	A-80	Vented		8			1	Dome	38-22 ±3	91	2.7k	8/	19 x 11 x 10	Oiled Wal.	Blk. Knit	19	475.00 Pair
	A-140	Pas. Rad.		6 1/2			1	Dome	40-20 ±3	90	2.5k	8/	19 x 11 x 11	Oiled Wal.	Blk. Knit	25	550.00 Pair
	A-200	Vented		10	4	Cone	1	Dome	25-22	92	800,2.7k	8/	26 x 16 x 12	Oiled Wal.	Blk. Knit	50	825.00 Pair
ARES SOUND	Ares I	Bass Ref.	No	5			1	Dome	45-25 ±5	90	3k	8/	14 x 8 x 11	Gloss Lacewood	Blk. Knit	23	3200.00 Pair
	Ares II	Bass Ref.	No	7			1	Dome	30-25 ±5	90	2k	8/	39 x 11 x 15	Gloss	Blk. Knit	78	4200.00 Pair
	Ares III	Bass Ref.	No	(2)8	5	Cone	1	Dome	30-25 ±5	90	400,3k	4/	43 x 11 x 16	Aneigre Gloss	Blk. Knit	120	8200.00 Pair
	Ares VIII	Bass Ref.	No	(2)11, 7	3 1/2	Dome	1	Dome	20-25 ±5	91	200,800, 4k	4/	75 x 24 x 24	Gloss Mahogany	Blk. Knit	380	50,000 Pair
	Ares Center	Ctr. Ch.; Bass Ref.	Yes	(2)5			1	Dome	40-25 ±5	90	3k	4/	8 x 24 x 15	Gloss Sycamore	Blk. Knit	26	1800.00 Each
	Ares Subwoofer	Powered, Push-Pull Sub.	No	(2)12							100	4/		Gloss Aneigre			3225.00 Each
ARTEMIS SYSTEMS	EOS 11.V	Bass Ref.	No	7			1	Inv. Dome	50-20 ±2	88		8/7	17 x 14 x 17	Satin Blk.	Blk. Knit	65	5900.00 Pair
	EOS Signature	Bass Ref.	No	7			1	Inv. Dome	50-20 ±2	88		8/7	Two Pieces Per Side	Satin Blk.	Blk. Knit	140 Side 120	7300.00 Sys. w/Xover 4800.00 Pair
	Small Base Module	Bass Ref. Sub.	No	10					31-50 Hz ±2	88		8/7	28 x 14 x 18	Satin Blk.	Blk. Knit	120	4800.00 Pair
	Large Base Module	Bass Ref. Sub.	No	11					26-50 Hz ±2	88		8/7	27 x 20 x 29	Satin Blk.	Blk. Knit	225	8500.00 Pair
ASB	SR-IV mkV	Trans. Line	No	8	4	Cone	1	Dome	22-30 ±3	300,3k	8/6	8/6	11 x 60 x 18	Wal.	Blk.	85	7495.00 Pair
	SR-III mkV	Trans. Line	No	(2)7			1	Dome	35-20 ±3	2k	8/6	8/6	10 x 44 x 14	Wal.	Blk.	70	5495.00 Pair
	SR-II mkV	Trans. Line	No	7			1	Dome	36-20 ±3	2k	8/6	8/6	10 x 38 x 13	Wal.	Blk.	65	3895.00 Pair
	SR-I mkIV	Trans. Line	No	6 1/2			1	Dome	37-20 ±3	2k	8/6	8/6	10 x 36 x 12	Wal.	Blk.	50	2195.00 Pair
	EEW-1	Bass Ref.	No	5 1/4			1	Dome	50-20 ±3	2k	8/6	8/6	9 x 15 x 7	Oak	Blk.	25	1195.00 Pair
	ATC	SCM 10	Sealed	No	5	1 1/4	Coax Dome	1	Dome	65-20	80	2.8k	8/	15 x 7 x 10	Opt.	Blk. Knit	22
SCM 20 SL		Sealed	No	6 1/2	3	Coax Dome	1	Dome	60-20	83	2.8k	8/	17 x 9 x 13	Opt.	Blk. Knit	50	3875.00 Pair
SCM 20T SL		Sealed	No	6 1/2	3	Coax Dome	1	Dome	60-20	83	2.8k	8/	40 x 9 x 13	Opt.	Blk. Knit	73	5100.00 Pair
SCM 20A Pro		Sealed; Powered	No	6 1/2	3	Coax Dome	1	Dome	60-20		2.8k		18 x 11 x 12	Gray		66	7150.00 Pair
SCM 50 SL		Bass Ref.	No	9	3	Dome	1	Dome	38-20	85	380,3.5k	8/	28 x 12 x 17	Opt.	Blk. Knit	91	9800.00 Pair
SCM 50A SL		Bass Ref.; Powered	No	9	3	Dome	1	Dome	38-20	85	380,3.5k	8/	28 x 12 x 19	Opt.	Blk. Knit	108	12,700 Pair
SCM 100 SL		Bass Ref.	No	12	3	Dome	1	Dome	32-20	88	380,3.5k	8/	33 x 16 x 21	Opt.	Blk. Knit	126	11,750 Pair
SCM 100A SL		Bass Ref.; Powered	No	12	3	Dome	1	Dome	32-20	88	380,3.5k	8/	33 x 16 x 23	Opt.	Blk. Knit	143	14,525 Pair
SCM 200A SL		Bass Ref.; Powered	No	(2)12	3	Dome	1 1/4	Dome	32-20	88	380,3.5k	8/	33 x 29 x 17	Opt.	Blk. Knit	255	31,475 Pair
SCM 300A SL		Bass Ref.; Powered	No	(2)15	3	Dome	1 1/4	Dome	25-20	88	380,3.5k	8/	35 x 36 x 19	Opt.	Blk. Knit	308	36,300 Pair
ATLANTIC TECHNOLOGY (Continued)	151 LR	Sat. Ctr. Ch.	4	(2)3 1/2			1/2	Dome	80-20 ±3	89	4k	8/6	5 x 7 x 5	Opt. Blk.	Blk. Metal	2	119.00 Pair
	153 C	Surround Ch.			(2)3 1/2	Cones	1/2	Dome	80-20 ±3	89	4k	8/6	10 x 5 x 6	Opt. Blk.	Blk. Metal	4	99.00 Each
	154 SR	Surround Ch.							120-12 ±3	89		8/6	5 x 7 x 5	Opt. Blk.	Blk. Metal	4	129.00 Pair
	162 PBM	Powered Sub.	No	8					30-125 Hz ±3		60-125 (Var.)	8/6	10 x 15 x 12	Blk. Vinyl	Blk. Knit	23	299.00 Each





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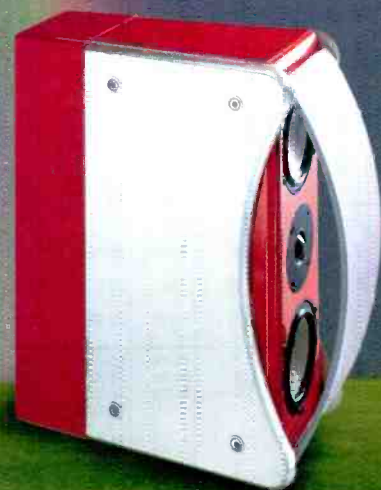
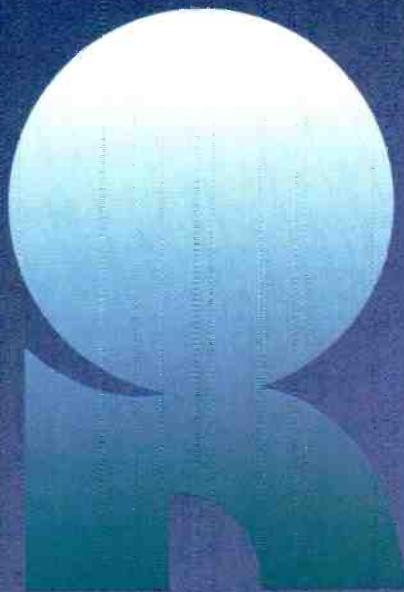
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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
ATLANTIC TECH-NOLOGY (Continued)	221 LR	Sat. Ctr. Ch.		4			1/2	Dome	80-20 ±3	90	4k		10 x 6 x 7	Opt.	Blk. Knit	12	219.00 Pair
	223 C	Surround Ch.		(2)3 1/2	(2)3 1/2	Cones	1/2	Dome	80-20 ±3	90	4k		13 x 6 x 4	Blk. Knit	Blk. Knit	12	199.00 Each
	224 SR	Surround Ch.		(2)3 1/2	(2)3 1/2	Cones	1/2	Dome	80-12 ±3	90	4k		10 x 7 x 6	Opt.	Blk. Knit	8	229.00 Pair
	251.1 LR	Sat. Ctr. Ch.		(2)4			3/4	Dome	50-20 ±3	90	4k	8/6	6 x 13 x 8	Blk. Vinyl	Blk. Cloth	12	399.00 Pair
	253.1 C	Surround Ch.		(2)4			3/4	Dome	80-20 ±3	90	4k	8/6	15 x 6 x 7	Blk. Vinyl	Blk. Cloth	12	349.00 Each
262 PBM	Powered Sub.		(2)4			(2)1/2	Domes	80-20 ±3	90	4k	8/6	9 x 10 x 3	Blk. Vinyl	Blk. Cloth	8	429.00 Pair	
351 LR	THX, Sat. Ctr. Ch.		(2)5 1/4	(2)3	Cones	1	Dome	30-120 Hz ±3	90	60-120 (Var.)		20 x 15 x 14	Blk. Vinyl	Blk. Cloth	47	649.00 Each	
353 C	THX, Ctr. Ch.		(2)5 1/4	(2)3	Cones	1	Dome	80-20 ±3	90	60-120 (Var.)		23 x 11 x 17	Opt.	Blk. Knit		999.00 Pair	
354 SR	THX, Surround Ch.		(2)4			(2)3/4	Domes	80-20 ±3	90	60-120 (Var.)		26 x 8 x 10	Opt.	Blk. Knit		599.00 Each	
352 PBM	THX, Powered Sub.		12					30-125 Hz ±3	90	60-125 (Var.)		23 x 8 x 7	Opt.	Blk. Knit		549.00 Pair	
451 LR	THX, Sat. Ctr. Ch.	Yes	6 1/2	3/4	Cone	1	Dome	80-20 ±3	90	450.5.5k	8/3.5	8 x 26 x 12	Blk. Gloss	Blk. Knit	35	1699.00 Pair	
453 C	THX, Ctr. Ch.	Yes	6 1/2	3/4	Cone	1	Dome	80-20 ±3	90	450.5.5k	8/3.5	26 x 10 x 10	Blk. Gloss	Blk. Knit	33	949.00 Each	
454 SR	THX, Surround Ch.	Yes	5 1/4					80-20 ±3	90	60-125 (Var.)	8/3.5	8 x 19 x 8	Blk. Gloss	Blk. Knit	22	899.00 Pair	
452 PBM	THX, Powered Sub.	Yes	15					25-450 Hz	90	60-125 (Var.)		17 x 23 x 20	Blk. Gloss	Blk. Knit	75	1499.00 Each	
ATMOSPHERE MUSIC SYSTEMS	Triodulus	Dynamic	No	(2)10	6	Horn	4x6	Planar	20-35	98	800.5k	16/13	72 x 30 x 30	Oiled Wal.		185	18,200 Pair
AUDIO ADVANCEMENTS	Maxeena	Delay Line: Vented		6 1/2			1	Dome	55-20 ±2	90	2k	8/6	17 x 8 x 11	Opt.	Blk. Knit	45	1850.00 Pair
	Maxeen	Delay Line: Vented		8			1	Dome	33-20 ±2	91	1.7k	8/7	40 x 11 x 15	Opt.	Blk. Knit	77	2750.00 Pair
AUDIO ARTISTRY	Beethoven System	Dipole		(8)12, (4)10	(4)8	Cones	1	Dome	18-25 ±2	90	100,250, 2k	8/4	Two Pieces Per Side	Opt.	Blk. Knit	320 Sys.	24,750 Sys. w/Active Xover/EQ
	Beethoven Grand System	Dipole	No	(16)12, (8)10	(4)8	Cones	1	Dome	18-25 ±2	90	100,250, 2k	8/4	Two Pieces Per Side	Opt.	Opt.	850 Sys.	48,000 Sys. w/Active Xover/EQ
	Vivaldi	Dipole		(2)12	(2)8	Cones	(2)1	Domes	40-25 ±2.5	88	100,2k	8/4	50 x 14 x 12	Blk. Knit Wrap	Blk. Knit	85	4495.00 Pair
	Mozart Signature	Ported		(2)6 1/2			1	Dome	48-25 ±2.5	88	1.8k	6/4	8 x 14 x 40	Oak Rswd.	Blk. Knit	75	2795.00 Pair
	Dvorak	Ported		(2)6 1/2			1	Dome	48-25 ±2.5	88	1.8k	6/4	8 x 14 x 40	Oak Rswd.	Blk. Knit	75	3495.00 Pair
	Dvorak Signature	Dipole		(2)8			1	Dome	45-25 ±2.5	88	1.8k	8/4	13 x 4 x 54	Blk. Knit Wrap		40	3995.00 Pair w/Active Xover/EQ
	Dvorak Subwoofer	Dipole Sub.	No	(4)12	(4)8	Cones	1	Dome	20-25 ±2.5	88	100,1.8k	8/4	Two Pieces Per Side	Rswd.	Opt.	270 Sys.	9500.00 Sys. w/Active Xover/EQ
AUDIO CENTRON	CE6	Ported Bass Ref.		6 1/2			4	Dome	75-20 ±3	110	2k	8/	14 x 10 x 8	Blk. Metal		14	210.00 Each
	CE17	Bass Ref.		12	8	Cone	2	Horn	60-18 ±3		700,3.5k	8/6	36 x 16 x 17	Blk. Metal		85	850.00 Each
	CE8	Bass Ref.		8				Domes	110-17 ±3		5k		15 x 11 x 7	Blk. Metal		17	290.00 Pair
	CE12A	Bass Ref.		12				Domes	55-17 ±3		2k		20 x 16 x 13	Blk. Metal		35	260.00 Each
	CE15A	Bass Ref.		15				Domes	55-18 ±3		2k		25 x 20 x 16	Blk. Metal		55	345.00 Each
	CE12H	Bass Ref.		12				Dome	60-18	97	5k	8/	20 x 18 x 12	Blk. Ozite		20	550.00 Pair
	CE126A	Bass Ref.		12	6	Cone	2 1/2	Dome	60-18	97	1.6k,5k	8/	26 x 18 x 12	Blk. Ozite	Metal	40	750.00 Pair
	CE156A	Bass Ref.		15	6	Cone	2 1/2	Dome	55-18	98	1.6k,5k	8/	29 x 19 x 15	Blk. Ozite	Metal		900.00 Pair
	CE15HA	Bass Ref.		15	10	Cone	10x8	Horn	55-20	98	2k	8/	29 x 19 x 15	Blk. Ozite	Metal		1150.00 Pair
	CE1510	Bass Ref.		15	10	Cone	5x6	Horn	50-20	101	800.5k	8/	29 x 25 x 16	Blk. Ozite	Steel	85	1300.00 Pair
	CE1510EV	Bass Ref.		15	10	Cone	5x6	Horn	50-20	101	800.5k	8/	29 x 25 x 16	Blk. Ozite	Steel	85	1700.00 Pair
	CE34	Bass Ref.		(2)12	8	Cone	2	Horn	50-18 ±3	96	250.4k	8/6	40 x 18 x 20	Blk. Ozite	Blk. Metal	90	2000.00 Pair
	CE18S	Bass Ref. Sub.		18					30-300 Hz	97		4/	32 x 25 x 23	Blk. Ozite	Steel	93	1170.00 Pair
	ACE-2TA	Bass Ref.		(2)15			22x9 1/2	Horn	30-15	103	1.8k	8/	49 x 25 x 17	Blk. Ozite		115	1870.00 Pair
	ACE-1TA	Bass Ref.		15			22x9 1/2	Horn	40-15	101	1.8k	8/	32 x 25 x 17	Blk. Ozite		95	1470.00 Pair
ACE-1A	Bass Ref.		15			22x9 1/2	Horn	40-15	101	1.6k	8/	32 x 25 x 17	Blk. Ozite	Steel	90	1390.00 Pair	
AUDIODYNE	Omni-Flex Series II	Omni	Yes	16			2	Dome	29-20 ±3	95	1.7k	16/6	22 Dia. x 47	Lacq. Oak	None	90	15,000 Pair
AUDIO ELECTRONIC SUPPLY	SP-301	Bass Ref.	No	6 1/2			1 1/2	Dome		90	3.1k	8/4.3		Prano Blk.	Blk. Knit	51	1099.00 Pair, Kit, 799.00
	SP-1A	Bass Ref.	No	15				Horn		94	1.5k	12/7		Cherry	Blk. Knit	63	999.00 Pair, Kit, 699.00
AUDIO GEM	The Opal	Bass Ref.	No	6			2	Dome	50-20 ±5	88		8/	14 x 9 x 8	Cherry Mahogany	Blk. Knit	10	499.00 Pair
	The Emerald	Bass Ref.	No	6			2	Dome	35-20 ±5	88		8/	36 x 7 x 8	Blk. Knit	15	999.00 Pair	
AUDIO NOTE	1-L	Inf. Baf.		8			3/4	Dome	60-20 ±2	91							1295.00 Pair
	2-L	Ported		8			3/4	Dome	60-20 ±2	93							1995.00 Pair
	3-L	Ported		8			3/4	Dome	36-20	94		8/	14 x 11 x 31	Opt.	Blk. Knit		2995.00 Pair
	3-SPX	Ported		8			3/4	Dome	36-21	94							3995.00 Pair
	3-SE-S	Ported		8			3/4	Dome	36-21	95							13,800 Pair
AUDIO PHYSIC	Avanti II	Ac. Sus.		6	5	Cone	1 1/2	Dome	32-27 +0, -3	88		4/	44 x 8 x 16	Opt.		63	9495.00 Pair
	Caldera	Ac. Sus.		8	6 1/2	Cone	1	Dome	32-22 +0, -3	91		4/	44 x 10 x 20	Opt., Wood		119	18,995 Pair
	Medea	Ac. Sus.												Opt.		192	49,995 Pair
	Terra	Powered Ac. Sus. Sub.		10										Opt.		88	5995.00 Each
	Luna	Powered Ac. Sus. Sub.		8										Opt.		60	2995.00 Each
	Step	Bass Ref.		4		Cone	1	Dome	60-25 +0, -3	84		4/	13 x 6 x 9	Opt., Wood		11	1795.00 Pair
	Step SLE	Bass Ref.		4		Cone	1	Dome	60-25 +0, -3	84		4/	13 x 6 x 9	Opt., Wood		11	2495.00 Pair
	Spark	Bass Ref.		5		Cone	1	Dome	38-25 +0, -3	86		4/	39 x 6 x 9	Opt.		34	2495.00 Pair
	Tempo II	Bass Ref.		6		Cone	1 1/2	Dome	38-27 +0, -3	88		8/	42 x 8 x 10	Opt.		46	3495.00 Pair
	Virgo	Bass Ref.		6	4	Cone	1	Dome	34-21 +0, -3	90		4/	40 x 6 x 16	Opt., Wood		57	5395.00 Pair





# REVEL

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CIRCLE NO. 29 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Altochic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
AUDIO-SOURCE	Project One	Indoor/Outdoor, Ported	Yes	4		5/8	Dome	60-20 ±3	90	2.5k	8/	9 x 6 x 7	Opt., Plast.	Opt., Plast.	6	199.95 Pair	
	LS 100	Indoor/Outdoor, Ac. Sus.	No	4	2	Cone	1	Piezo	80-20 ±3	85	1.5k,5k	8/	8 x 6 x 5	Blk. Plast.	Blk. Metal	7	99.95 Pair
	VS Four	Ctr. Ch.; Ported	Yes	(3)4			5/8	Dome	60-20 ±2	93	5k		6 x 20 x 9	Blk. Ash Vinyl	Blk. Cloth	13	149.95 Each
	VS 2.1	Ctr. & Surround Ch.	Yes						100-20 ±3	88		8/	Three Pieces	Blk. Ash Vinyl	Blk. Cloth	15	179.95 Sys.
	VS 3.1	Ctr. & Surround Ch.	Yes	4			5/8	Dome	80-20 ±3	91	4.5k	8/	Three Pieces	Blk. Ash Vinyl	Blk. Cloth	15	179.95 Sys.
	VS 3.2	Ctr. & Surround Ch.	Yes	4			5/8	Dome	80-20 ±3	91	4.5k	8/	Three Pieces	Blk. Ash Vinyl	Blk. Cloth	15	179.95 Sys.
	MCSW 1	Powered, Ported Sub.	Yes	8					30-250 Hz		40-180 (Var.)		12 x 12 x 12	Blk. Ash Vinyl	Blk. Cloth	30	249.95 Each
	SW Nine	Powered, Ported Sub.	Yes	8					30-250 Hz		40-180 (Var.)		13 x 15 x 16	Blk. Ash Vinyl	Blk. Cloth	31	299.95 Each
	SW 6/A	Powered, Ported Sub.	No	8					30-250 Hz		40-180 (Var.)		13 x 14 x 15	Blk. Ash Vinyl		32	349.95 Each
	SW Eleven	Powered, Ported Sub.	Yes	10					30-250 Hz		40-180 (Var.)		13 x 15 x 16	Blk. Ash Vinyl	Blk. Cloth	32	399.95 Each
	SW Two	Powered, Ported Sub.	Yes	10					30-250 Hz		40-180 (Var.)		15 x 11 x 14	Blk. Ash Vinyl	Blk. Cloth	36	399.95 Each
	SW Four	Powered, Ported Sub.	Yes	12					20-250 Hz		40-180 (Var.)		13 x 20 x 16	Blk. Ash Vinyl		39	499.95 Each
	SW Five (w/remote)	Powered, Ported Sub.	Yes	12					20-250 Hz		40-180 (Var.)		13 x 20 x 16	Blk. Ash Vinyl		39	599.95 Each
SW Twelve	Powered, Ported Sub.	Yes	12					20-250 Hz		40-180 (Var.)		16 x 17 x 18	Blk. Ash Vinyl	Blk. Cloth	36	499.95 Each	
AUDIO-VECTOR	6	Bass Ref.	No	10.8	4	Cone	1	Dome	30-20 ±2	92.5	125,600, 3.5k	5/	45 x 15 x 17	Opt.	Blk. Knit	132	
	5	Bass Ref.	No	(2)8	6	Cone	1	Dome	35-21 ±2	91.5		6/	42 x 12 x 10	Opt.	Blk. Knit	72	
	M3 Signature	Bass Ref.	No	6	6	Cone	1	Dome	30-25 ±2	90		8/	40 x 8 x 12	Opt.	Blk. Knit	57	4195.00 Pair
	M3	Bass Ref.	No	6	6	Cone	1	Dome	35-22 ±2	90.5		8/	40 x 8 x 11	Opt.	Blk. Knit	52	3295.00 Pair
	M2	Bass Ref.	No	6	6	Cone	1	Dome	40-22 ±2	91.5		8/	40 x 8 x 11	Opt.	Blk. Knit	46	2395.00 Pair
	M1 Signature	Bass Ref.	No	6	6	Cone	1	Dome	45-25 ±2	87		8/	14 x 8 x 11	Opt.	Blk. Knit	15	2295.00 Pair
	M1 Super	Bass Ref.	No	6	6	Cone	1	Dome	50-22 ±2	87		8/	14 x 8 x 10	Opt.	Blk. Knit	13	1595.00 Pair
	M1	Bass Ref.	No	6	6	Cone	1	Dome	55-22 ±2	87		8/	14 x 8 x 10	Opt.	Blk. Knit	11	1195.00 Pair
	AV3C Super	Bass Ref.	Yes	(2)6			1	Dome	45-22 ±2	92		8/	20 x 8 x 10	Opt.	Blk. Knit	28	1295.00 Each
AV3C	Bass Ref.	Yes	(2)6			1	Dome	50-22 ±2	92		8/	20 x 8 x 10	Opt.	Blk. Knit	24	895.00 Each	
AURA SYSTEMS	LSB-527M		Yes	5 1/4				Monopole	40-20	88	2.8k	6/	12 x 7 x 7	Blk.	Blk. Knit	8	299.95 Pair
	LSB-627M		Yes	6 1/2				Monopole	40-20	88	2.2k	6/	14 x 8 x 9	Blk.	Blk. Knit	13	399.95 Pair
	LST-627M		Yes	6 1/2				Monopole	35-20	88	2.2k	6/	34 x 8 x 9	Blk.	Blk. Knit	26	549.95 Pair
	LST-827D		Yes	8	5 1/4	Cone		Dipole	30-20	88	2k	6/	30 x 10 x 12	Blk.	Blk. Knit	29	699.95 Pair
	LST-837D	Ctr. Ch.	Yes	8				Dipole	30-20	88	350,2.8k	6/	33 x 10 x 13	Blk.	Blk. Knit	36	879.95 Pair
	LSC-537M		Yes	(2)5 1/4				Monopole	40-20	88	2.8k	6/	7 x 16 x 12	Blk.	Blk. Knit	12	249.95 Each
LSS-107A	Powered Sub.	Yes	10					20-200 Hz	88	50-200 (Var.)		16 x 16 x 16	Blk.		33	499.95 Each	
AVALON ACOUSTICS	Osiris	Sealed		(2)13	8.2	Cone, Dome	(2)1	Dome, Inv. Dome	20-40 ±1	88		4/3,6	Eight Pieces	Wood		1400 Sys.	72,000 Sys.
	Radian HC	Sealed		(2)9	3 1/2	Cone	1	Dome	20-24 ±3	88		4/3,6	48 x 12 x 19	Wood	Blk. Knit	170	12,995 Pair
	Eclipse Arcus	Sealed		9 8 1/2			1	Dome, Inv. Dome	35-24 ±3	86		6/5,5 5/4,5	39 x 11 x 15 37 x 10 x 13	Wood, Blk. Gloss	Blk. Knit, Blk. Knit	95 70	7900.00 Pair 5995.00 Pair
Avatar Monitor	Sealed		8 7			1	Dome	35-24 ±3 48-24 ±3	85 87		6/5,5 6/5,5	34 x 10 x 13 18 x 9 x 11	Wood, Wood	Blk. Knit, Blk. Knit	65 31	5395.00 Pair 3295.00 Pair	
AVANTGARDE ACOUSTIC	Uno	Hybrid, Powered Woofers	No	(2)6	6	Horn	3/4	Horn	30-20	99	220,3.5k		60 x 23 x 27	ABS		121	10,990 Pair
	Duo	Hybrid, Powered Woofers	No	(2)8	8	Horn	3/4	Horn	20-20	101	170,2k		68 x 28 x 27	ABS		143	16,990 Pair
	Trio Compact	Hybrid, Powered Woofers	No	(4)8	8	Horn	3/4	Horn	20-20	106	100,600, 4k		67 x 38 x 34	ABS		227	42,760 Pair
	Trio	Hybrid, Powered Woofers	No	(4)8	8	Horn	3/4	Horn	20-20	106	100,600, 4k		64 x 52 x 34	ABS		267	44,600 Pair
AVID DYNAMICS	Sterling A-60c	Inf. Baf.		6 1/2			3/4	Dome	65-22 ±3	89	5.5k	8/		Wal. Vinyl	Brown Knit		280.00 Pair
	Sterling A-80c	Inf. Baf.		8			1	Dome	54-22 ±3	90	4.5k	8/		Wal. Vinyl	Brown Knit		360.00 Pair
	Sterling A-102c	Inf. Baf.		10			1	Dome	38-22 ±3	92	3.5k	8/		Wal. Vinyl	Brown Knit		500.00 Pair
	AVS Peanut 5	Vented			5 1/4			Dome	65-20 ±3	88		8/		Opt., Wood Vinyl	Blk. Knit		230.00 Pair
	AVS Neat 7	Vented			7				48-22 ±3	90		8/		Opt., Wood Vinyl	Blk. Knit		300.00 Pair
	AVS Standard	Pas. Rad.		10	7	Cone	1	Dome	40-22	93		8/		Opt., Wood Vinyl	Blk. Knit		500.00 Pair
	AVS Tower	Inf. Baf.		8	5	Cone	1	Dome	34-22 ±3	90		6/		Opt., Wood Vinyl	Blk. Knit		700.00 Pair
AVS 602	Vented		6 1/2			3/4	Dome	60-22	92		8/		Opt., Wood Vinyl	Blk. Knit		250.00 Pair	
AVS 802	Vented		8			3/4	Dome	40-22	94		8/		Opt., Wood Vinyl	Blk. Knit		300.00 Pair	
A.W.H.	AWH 180A	Bipolar, Full-Range Driver	Yes						20-20 ±3	96		8/4	60 x 13 x 3	Blk.	Blk. Knit	60	1099.95 Pair
	AWH 90A	Bipolar, Full-Range Driver	Yes						40-19 ±4	91		8/4	24 x 12 x 3	Blk.	Blk. Knit	15	415.95 Pair
AXIOM (Continued)	AX 1.2	Tuned Port	No	5			3/4	Dome	70-22	91	3.5k	8/	11 x 6 x 8	Opt.	Blk. Knit	8	199.00 Pair







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CIRCLE NO. 132 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to Hz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
AXIOM (Continued)	AX 1.5 Bookshelf	Tuned Port	No	6½		¾	Dome		50-22 ±2	89	3.5k	8/6	15 x 8 x 8	Opt.	Blk. Knit	12	249.00 Pair
	AX 1.5 Bookshelf	Tuned Port	No	6½		¾	Dome		45-22 ±2	89	3.5k	8/6	19 x 8 x 8	Opt.	Blk. Knit	18	299.00 Pair
	AX 2 Bookshelf	Tuned Port	No	8		1	Dome		43-22 ±2	89	3.2k	8/6	19 x 10 x 10	Opt.	Blk. Knit	24	449.00 Pair
	AX 2 Bookshelf	Tuned Port	No	8		1	Dome		40-22 ±2	89	3.2k	8/6	24 x 10 x 10	Opt.	Blk. Knit	28	549.00 Pair
	AX 3	Dual Enclosure	No	8.5		1	Dome		36-22 ±2	88	3k	6/4	36 x 10 x 10	Opt.	Blk. Knit	42	849.00 Pair
	AX 5	Dual Enclosure	No	10.5		1	Dome		29-22 ±2	87	3k	6/4	36 x 12 x 12	Opt.	Blk. Knit	52	1499.00 Pair
	AX 1	Tuned Port	Yes	5		1	Dome		70-22 ±2	87	3k	6/4	11 x 6 x 6	Opt.	Blk. Knit	12	549.00 Pair
	AX 120 Sub	Tuned Port Sub.	No	8					40-120 Hz	91	120	8/	10 x 12 x 12	Opt.	Blk. Knit	15	199.00 Each
	AX 150 Sub	Tuned Port Sub.	No	10					35-120 Hz	91	120	8/	24 x 12 x 14	Opt.	Blk. Knit	36	299.00 Each
	AX 500 Sub	Tuned Port Sub.	No	10					29-120 Hz	91	120	8/	24 x 12 x 14	Opt.	Blk. Knit	38	599.00 Each
	AX 120A Sub	Powered Sub.	No	8					30-120 Hz	89	120		19 x 10 x 11	Opt.	Blk. Knit	24	399.00 Each
	AX 150A Sub	Powered Sub.	No	10					±3 25-120 Hz	89	120		30 x 12 x 14	Opt.	Blk. Knit	48	649.00 Each
	AX 500A Sub	Powered Sub.	No	10					±3 20-120 Hz	88	120		30 x 12 x 14	Opt.	Blk. Knit	56	999.00 Each
	AX 2+2	Tuned Port	No	(2)8		1	Dome		40-22 ±3	93	2.5k	6/	31 x 10 x 11	Opt.	Blk. Knit	42	699.00 Pair
AX 1.2CC	Ctr. Ch., Ac. Sus.	Yes	(2)5		¾	Dome		±3 40-22 ±3	92	120	8/	16 x 6 x 7	Opt.	Blk. Knit	11	129.00 Each	
BAG END	Infra-18	Powered ELF Sub.	No	18					8-90 Hz	96		4/4	24 x 21 x 18	Opt.	Blk. Cloth	92	From 1895.00 Each
	D10E-S	ELF Sub.		(2)10					8-90 Hz	90	100 Ext.	4/3	14 x 24 x 11	Blk./Wal.	Blk. Steel	50	740.00 Each
	S10E-I	ELF Sub.		10					8-90 Hz	84	100 Ext.	8/6	14 x 12 x 11	Opt.	Opt., Blk.	30	From 398.00 Each
	S12E-I/O	ELF Sub.		12					8-90 Hz	93	90 Ext.	8/	14 x 18 x 15	Blk.	Blk. Steel	40	From 510.00 Each
	S18E-O/B	ELF Sub.		18					8-90 Hz	92	90 Ext.	8/6	22 x 22 x 18	Opt., Oak	Blk. Knit	80	From 950.00 Each
	D12E-O	ELF Sub.	No	(2)12					8-90 Hz	90	90 Ext.	4/4	27 x 18 x 15	Oak Ven.	Blk. Cloth	75	988.00 Each
	D10E-O	ELF Sub.	No	(2)10					8-90 Hz	90	100 Ext.	4/4	13 x 22 x 13	Oak Ven.	Blk. Cloth	50	798.00 Each
	D12E-I	ELF Sub.	No	(2)12					8-90 Hz	90	100 Ext.	4/4	18 x 27 x 15	Blk.	Blk.	75	780.00 Each
	D18E-I	Sub.	No	(2)18					8-80 Hz	95		4/	43 x 22 x 18	Blk.	Blk. Steel	135	From 1508.00 Each
	MM8	Coaxial	No	8				Coax Horn	70-20	93	2.8k	8/7	14 x 10 x 8	Opt.		30	2264.00 Pair
TA12JR-I	Time Aligned		12		1		Horn	75-19 ±3	101	3.5k	8/	21 x 14 x 12	Opt.	Opt.	40	From 1280.00 Pair	
TA12-I	Time Aligned		12		1		Horn	75-19 ±3	103	3.5k	8/	23 x 18 x 15	Opt.	Blk. Steel	55	1620.00 Pair	

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The Absolute Sound Magazine  
Issue 107, 1996

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**MAGNEPLANAR** 1645 Ninth Street, White Bear Lake, MN 55110 1-800-474-1646 • Fax 1-612-426-0441



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
BALTLINES AUDIO	H-80	Bass Ref.		5			3/4		40-20	86		8/	8 x 14 x 8	Vinyl		12	229.00 Pair	
	H-125	Bass Ref.		8	5		3/4		30-20	86		8/	12 x 23 x 10	Vinyl		33	399.00 Pair	
	H-150	Bass Ref.		10	5		3/4		25-25	89		8/	14 x 28 x 11	Vinyl		51	529.00 Pair	
	B-30	Bass Ref.		5			3/4		40-20	86		8/	8 x 10 x 12	Wood Ven.		12	299.00 Pair	
	B-50	Bass Ref.		8			3/4		30-20	86		8/	11 x 32 x 10	Wood Ven.		37	589.00 Pair	
	B-90	Bass Ref.		10	5		1		25-25	89		8/	13 x 36 x 12	Wood Ven.		54	699.00 Pair	
	GL-30	Bass Ref.		5			3/4		40-20	86		8/	8 x 14 x 8	Wood Ven.		12	329.00 Pair	
	GL-50	Bass Ref.		8	5		3/4		30-20	86		8/	11 x 32 x 10	Wood Ven.		37	589.00 Pair	
	GL-90	Bass Ref.		10	5		1		25-25	89		8/	13 x 32 x 10	Wood Ven.		54	729.00 Pair	
	S-30L	Bass Ref.		5			3/4		40-20	86		8/	8 x 14 x 8	Wood Ven.		12	399.00 Pair	
	S-40L	Bass Ref.		(2)5			3/4		30-20	86		8/	8 x 32 x 10	Wood Ven.		18	649.00 Pair	
	S-50L	Pas. Rad.		8	5		3/4		30-20	86		8/	11 x 32 x 10	Wood Ven.		37	769.00 Pair	
	S-90L	Pas. Rad.		10	5		1		25-25	89		8/	13 x 36 x 12	Wood Ven.		57	999.00 Pair	
	S-300	Bass Ref.		10	5		3/4		25-25	89		8/	13 x 31 x 12	Vinyl		53	559.00 Pair	
	S-400	Bass Ref.		10	8.5		3/4		25-20	89		8/	13 x 35 x 11	Vinyl		62	899.00 Pair	
	S-40M	Bass Ref.		(2)5			3/4		40-20	86		8/	7 x 35 x 9	Wood Ven.		35	699.00 Pair	
	S-125	Bass Ref.		(2)5			3/4		35-20	86		8/	8 x 31 x 11	Wood Ven.		18	599.00 Pair	
	SL-100	Bass Ref.		5			3/4		40-20	86		8/	8 x 14 x 8	Vinyl		12	219.00 Pair	
	SL-150	Bass Ref.		8	5		3/4		30-20	86		8/	10 x 27 x 10	Vinyl		32	399.00 Pair	
	SL-200	Bass Ref.		10	5		3/4		25-25	89		8/	13 x 31 x 12	Vinyl		49	539.00 Pair	
	BL-1	Pas. Rad.		8	4		1		30-25	87		8/	12 x 22 x 15	Wood		62	4880.00 Pair	
	BL-40S	Bass Ref.		(2)5			3/4		35-20	86		8/	9 x 31 x 9	Wood Ven.		18	649.00 Pair	
	BL-50	Bass Ref.		8	5		3/4		30-20	86		8/	8 x 35 x 13	Wood Ven.		41	649.00 Pair	
	BL-90	Bass Ref.		10	(2)5		3/4		25-20	89		8/	8 x 13 x 35	Wood Ven.		53	999.00 Pair	
	SAT-300	Sat.		5			3/4		80-20	86		8/	7 x 11 x 8	Opt.		12	249.00 Each	
	SW-300	Sub.		10					25-160 Hz	89		8/	11 x 20 x 16	Opt.		36	319.00 Each	
	CS-150	Clr. Ch.		(2)5			3/4		70-20	86		8/	17 x 6 x 13	Opt.		14	289.00 Each	
	BANG & OLUFSEN	Beovox CX50	Pressure Chamber		4			1	Dome	80-20 +4,-8	89	2.5k	6/6	5 x 8 x 8	Opt.		8	200.00 Each
		Beovox CX100	Pressure Chamber		(2)4			1	Dome	50-20 +4,-8	89	2.5k	6/6	5 x 13 x 8	Opt.		11	300.00 Each
		Beolab 4000	Biamped, Bass Ref.	Yes	4 1/2			3/4	Dome	55-20	97			Opt. Alum.		24	900.00 Each	
		Beolab 6000	Biamped, Bass Ref.		(2)3 1/2			3/4	Dome	70-22 +4,-8		3k		8 x 44 x 9	Opt. Alum.		44	1100.00 Each
		Beolab 8000	Biamped, Bass Ref.		(2)4			3/4	Dome	40-22 +4,-8		4.2k		7 x 52 x 7	Alum.		24	1500.00 Each
		Beolab Penta 3	Powered, Bass Ref.		(4)5	(4)3		1	Dome	40-22 +4,-8		700.5k		13 x 65 x 8	Steel		53	2500.00 Each
	B+C AMERICA	Adatto A-1	Vented	Yes	5			1/2	Dome	70-20 ±3	88	5k	8/8	9 x 6 x 6	Opt.		5	159.00 Pair
		Venturi V-52i	Vented	Yes	5 1/4			1/2	Dome	60-20 ±3	90	5k	8/8	11 x 7 x 7	Oak		10	209.00 Pair
Venturi V-52si		Vented	Yes	5 1/4			1/2	Dome	60-20 ±3	90	5k	8/8	11 x 7 x 7	Bik.		10	105.00 Each	
Venturi V-62i		Vented	No	6			3/4	Dome	50-2 ±3	90	4.5k	8/8	14 x 8 x 9	Bik.		11	240.00 Pair	
Venturi V-62si		Vented	Yes	6			3/4	Dome	50-20 ±3	90	4.5k	8/8	14 x 8 x 9	Bik.		11	265.00 Pair	
Adatto 4.2		Clr. Ch.; Vented	Yes	(2)4			1/2	Dome	75-20	90	5k	8/8	5 x 14 x 6	Bik.		8	109.00 Each	
Venturi V-52CLR		Front Ch.; Vented	Yes	(2)5 1/4			1/2	Dome	55-20 ±3	90	5k	8/8	7 x 22 x 10	Bik.		18	169.00 Each	
Venturi V-62CLR		Front Ch.; Vented	Yes	(2)6			3/4	Dome	45-20	91	3.5k	8/8	8 x 24 x 11	Bik.		27	239.00 Each	
Venturi V-802		Vented	No	8			3/4	Dome	34-20 ±6	91	2.5k	8/8	36 x 10 x 8	Opt.		42	239.00 Each	
Venturi V-504		Bipolar; Vented	No	(2)5			3/4 1/2	Domes	41-20 ±6	89	5k	6/4	36 x 7 x 13	Opt.		32	589.00 Pair	
Venturi V-604		Bipolar; Vented	No	(2)6			(2)3/4	Domes	34-20 ±6	90	3k	6/4	38 x 9 x 15	Opt.		38	350.00 Each	
Venturi V-1000R		Powered	No	10					29-200 Hz		50-200		18 x 13 x 19	Bik.		50	459.00 Each	
Venturi V-1200R		Vented Sub. Powered	No	12					25-200 Hz		50-200		19 x 15 x 23	Bik.		65	589.00 Each	
Venturi V-800A		Vented Sub. Powered	No	10					40-150 Hz		50-150	8/8	12 x 16 x 16	Bik.		33	369.00 Each	
Muro M-6		In-Wall	No	6			1	Dome	50-22	90	2.5k	8/8	12 x 9	Wht.		5	249.00 Pair	
Muro M-8.3	In-Wall	No	8	2 1/2	Cone	1	Dome	38-22	90	2k 8k	8/8	14 x 10 x 3	Wht.		7	349.00 Pair		
Muro MSR-6	In-Wall	No	6			1	Dome	55-21	90	2.5k	8/8	9 x 3	Wht.		4	225.00 Pair		
MPS-1	5 Sats. & Sub.	Yes	8	3	Cone	1/2	Dome	45-20	90	100,3.5k	8/8	Six Pieces	Bik.		30	399.00 Sys.		
MPS-2	5 Sats. & Powered Sub.	Yes	8	3	Cone	1/2	Dome	38-20	90	100,3.5k	8/8	Six Pieces	Bik.		35	549.00 Sys.		
MPS-3	5 Sats. & Powered Sub.	Yes	10	5	Cone	1/2	Dome	35-20	90	80,3.5k	8/8	Six Pieces	Bik.		40	799.00 Sys.		
BIRÓ TECHNOLOGY	L/1	Vented	No	6 3/4			1	Dome	55-18 ±2	87	3k	8/	16 x 10 x 11	Opt.		23	1495.00 Pair	
	L/2	Sealed	No	6 3/4			3/4	Dome	66-20 ±2	87	3.1k	8/	15 x 10 x 11	Opt.		21	995.00 Pair	
BOSE	901 VI	Direct Reflecting; Ac. Matrix	No	(9)4 1/2		Cones						8/	21 x 13 x 13	Opt.		36	1499.00 Pair w/EQ	
	701	Direct Reflecting; Multi-Chamber	No	(2)8	6 1/2	Cone	(2)2 1/4	Cones				8/4	32 x 10 x 12	Bik.		28	899.00 Pair	
	501 V	Direct Reflecting; Multi-Chamber	No	5 1/4			(2)2 1/2	Cones				8/4	31 x 8 x 8	Bik.		20	599.00 Pair	
	301 IV	Direct Reflecting; Ported	No	8			3.2	Cones				8/4	10 x 16 x 9	Opt.		12	369.00 Pair	
	201 IV	Direct Reflecting; Ported	No	6 1/2			2	Cone				8/4	9 x 15 x 6	Opt.		9	229.00 Pair	
	Acoustimass 10 Home Theater System	5 Sats. & Acoustimass Bass Module	Yes	(3)5 1/4			(10) 2 1/2	Cones			6/	6/	Six Pieces	Opt.		44	1299.00 Sys.	
	Acoustimass 7 Home Theater System	3 Sats. & Acoustimass Bass Module	Yes	(2)5 1/4			(6)2 1/2	Cones			6/	6/	Four Pieces	Opt.		33	999.00 Sys.	
	Acoustimass 6 Home Theater System	5 Sats. & Acoustimass Bass Module	Yes	(2)5 1/4			(5)2 1/2	Cones			8/4	8/4	Six Pieces	Opt.		24	699.00 Sys.	
	VCS-30 Home Theater System	2 Sats. & Acoustimass Bass Module	Yes	(2)2 1/2	(2)2 1/2		(2)2 1/2	Cones			8/4	8/4	Three Pieces	Bik.		12	399.00 Sys.	
	VCS-10 Acoustimass 5 Series II	Clr. Ch.; Ported 2 Sats. & Acoustimass Bass Module	Yes	(2)2 1/2	(2)5 1/4		(2)2 1/2	Cones			8/4 6/	6/	22 x 6 x 3 Three Pieces	Bik. Opt.		10	229.00 Each	
	Acoustimass 3 Series III	2 Sats. & Acoustimass Bass Module	Yes	5 1/4			(2)2 1/2	Cones			6/	6/	Three Pieces	Opt.		18	469.00 Sys.	
	Acoustimass Multimedia	Powered	Yes	5 1/4			(2)2 1/2	Cones					Three Pieces	Gray		30	699.00 Sys.	



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
BOSE (Continued)	MediaMate	Multimedia; Powered; Ported	Yes	2½	Cone								7 x 3 x 8	Gray	Opt., Knit	4	219.00 Pair
	RoomMate II	Powered; Ported	No	4½	Cone								7 x 9 x 6	Blk.	Blk. Metal	6	339.00 Pair
	151	Outdoor; Ported	No	4½	Cone							6/4	6 x 9 x 6	Opt.	Opt., Alum.	5	299.00 Pair
	131	Marine; Ported	No	4½	Cone							8/8	12 x 7 x 4	Opt.	Opt., Plast.	5	259.00 Pair
	100	Ported	No	4½	Cone							8/6	6 x 11 x 6	Opt.	Blk. Knit	3	199.00 Pair
	141	Ported	No	4½	Cone							8/6	10 x 6 x 6	Gray	Blk. Knit	4	139.00 Pair
BOSTON ACOUSTICS	MicroMedia	Powered Sats. & Sub.	Yes	5¼		(2)2½	Cones		50-20 ±3		180		Three Pieces	Opt.	Opt., Steel	20	219.95 Sys.
	Boston SoundBar Cinema (w/remote)	Powered; Front Chs. w/Dolby Pro Logic Decoder, Surround Ch. & Sub. Sats., Ctr. Ch. & Powered Sub.	Yes	6½	(4)3½	Cones	2½	Cone	45-20 ±3		180		Three Pieces	Blk.	Blk. Knit	50	799.95 Sys.
	Micro 90t	Sats. & Powered Sub.	Yes	8	(4)3½	Cones	(3)1	Domes	35-20 ±3	89	50-150, 3.8k	8/	Four Pieces	Opt.	Blk. Knit; Steel	60	1000.00 Sys.
	Micro 90	Sats. & Powered Sub.	Yes	8	(2)3½	Cones	(2)1	Domes	35-20 ±3	89	50-150, 3.8k	8/	Three Pieces	Opt.	Blk. Knit; Steel	50	800.00 Sys.
	Micro 90x	Surround Ch.; Ported	Yes	3½			1	Dome	120-20 ±3	89	3.8k	8/	7 x 4 x 6	Opt.	Steel	6	200.00 Each
	Micro 90c	Ctr. Ch.; Sealed	Yes	(2)3½			1	Dome	100-20 ±3	90	2.5k	8/	5 x 12 x 5	Blk.	Blk. Steel	11	250.00 Each
	Micro 80	Sats. & Sub.	Yes	7	(2)3½	Cones	(2)¾	Domes	46-20 ±3	89	150, 4.5k	8/	Three Pieces	Opt.	Steel	30	400.00 Sys.
	Micro 80x	Surround Ch.; Ported	Yes	3½			¾	Dome	120-20 ±3	89	4.5k	8/	7 x 4 x 6	Opt.	Steel	4	100.00 Each
	VRS Micro	Surround Ch.; Diffuse Field	No	3½			2½	Cone	120-20 ±3	85	400	8/	8 x 4 x 6	Opt.	Steel	5	200.00 Pair
	VR20	Tuned Port	Yes	7			1	Dome	46-20 ±3	89	3.3k	8/	32 x 8 x 12	Opt., Vinyl	Blk. Knit	35	550.00 Pair
	VR30	Tuned Port	Yes	(2)7			1	Dome	42-20 ±3	91	3.3k	8/	35 x 8 x 14	Opt., Vinyl	Blk. Knit	45	800.00 Pair
	VR40	Tuned Port	Yes	(2)7	5¼	Cone	1	Dome	40-20 ±3	91	400, 3k	8/	39 x 8 x 14	Opt., Wood	Blk. Knit	55	1400.00 Pair
	VR12	Ctr. Ch.; Ac. Sus.	Yes	(2)6½	4½	Cone	1	Dome	58-20 ±3	91	500, 3k	8/	9 x 25 x 8	Blk. Ash	Blk. Knit	30	400.00 Each
	VR10	Ctr. Ch.; Pas. Rad.	Yes	5¼	3½	Cone	1	Dome	65-20 ±3	90	500, 3.5k	8/	7 x 17 x 7	Blk. Ash	Blk. Knit	20	300.00 Each
	CR400	Powered Sub.	Yes	8					35-150 Hz ±3		50-150 (Var.)	8/	15 x 14 x 16	Blk. Ash	Blk. Knit	35	400.00 Each
	CR6	Tuned Port	Yes	5¼			¾	Dome	65-20 ±3	88	3.6k	8/	10 x 6 x 8	Opt., Vinyl	Steel	8	200.00 Pair
	CR7	Tuned Port	Yes	6½			¾	Dome	52-20 ±3	88	3.6k	8/	12 x 8 x 9	Opt., Vinyl	Steel	11	260.00 Pair
	CR8	Tuned Port	Yes	7			1	Dome	48-20 ±3	90	3k	8/	15 x 9 x 11	Opt., Vinyl	Steel	16	340.00 Pair
	CR9	Tuned Port	Yes	8			1	Dome	42-20 ±3	91	2.8k	8/	20 x 10 x 11	Opt., Vinyl	Steel	21	420.00 Pair
	CR1	Ctr. Ch.; Ac. Sus.	Yes	4½			¾	Dome	95-20 ±3	90	3.5k	8/	5 x 13 x 5	Blk.	Steel	6	130.00 Each
	CR2	Ctr. Ch.; Pas. Rad.	Yes	4½			1	Dome	88-20 ±3	89	3.5k	8/	5 x 15 x 5	Blk.	Steel	7	199.95 Each
	VRS	Surround Ch.; Diffuse Field	No	4½			(2)2½	Cones	100-20 ±3	85	350	8/	10 x 5 x 6	Opt.	Steel	6	350.00 Pair
	VR500	Powered Sub.	Yes	10					27-100 Hz ±3		50-100 (Var.)	8/	16 x 15 x 19	Blk. Ash	Blk. Knit	40	600.00 Each
	VR2000	THX; Powered Sub.	Yes	12					20-110 Hz ±3		40-100 (Var.)	8/	18 x 18 x 20	Blk. Ash	Blk. Knit	70	1200.00 Each
	VRS Pro	THX; Surround Ch.; Diffuse Field	No	5¼			(2)2½	Cones	80-20 ±3	85	400	8/	14 x 7 x 5	Opt.	Steel	8	500.00 Pair
	VR35	THX; Ac. Sus.	Yes	(2)6½	(2)2½	Cones	1	Dome	65-20 ±3	91	500, 4k	8/	39 x 8 x 10	Blk. Ash	Blk. Knit	40	650.00 Each
	VR14	THX; Ac. Sus.	Yes	(2)6½	(2)2½	Cones	1	Dome	65-20 ±3	91	500, 4k	8/	9 x 25 x 10	Blk. Ash	Blk. Knit	30	600.00 Each
	Lynnfield Series 500L	Ac. Sus. & Dual-Bandpass Sub.	No	(2)6½	5¼	Cone	1	Dome	32-35 ±3	85	125, 2.6k	5/3	Two Pieces Per Side	Opt., Wood	Blk. Knit	100	4500.00 Sys.
	Lynnfield Series 400L	Ac. Sus. & Dual Bandpass	No	(2)6½	5¼	Cone	1	Dome	38-35 ±3	85	125, 2.6k	5/3	37 x 9 x 18	Opt., Wood	Blk. Knit	84	3600.00 Pair
	Lynnfield Series 300L	Tuned Port	No	5¼			1	Dome	50-35 ±3	83	2.6k	8/6.5	11 x 9 x 14	Opt., Wood	Blk. Knit	24	1800.00 Pair
	HD5	Ac. Sus.	No	5¼			¾	Dome	65-20 ±3	89	3.5k	8/	10 x 6 x 7	Opt., Vinyl	Blk. Knit	7	150.00 Pair
	351	In-Wall	No	5¼			1	Dome	65-20 ±3	90	3.5k	8/	10 x 7 x 3	Matte Wht.	Wht. Steel	4	300.00 Pair
361	In-Wall	No	6½			1	Dome	57-20 ±3	89	3.4k	8/	11 x 8 x 3	Matte Wht.	Wht. Steel	5	400.00 Pair	
381	In-Wall	No	8			1	Dome	48-20 ±3	89	3.2k	8/	12 x 10 x 4	Matte Wht.	Wht. Steel	6	500.00 Pair	
335	In-Wall	No	5¼			¾	Dome	68-20 ±3	90	3.5k	4/	8 Dia. x 4	Matte Wht.	Wht. Steel	3	250.00 Pair	
325	In-Wall	No	5¼			¾	Dome	68-20 ±3	90	3.5k	4/	7 x 7 x 2	Matte Wht.	Wht. Steel	2	200.00 Pair	
305	In-Wall	No	5¼			1	Dome	68-17 ±3	90	3k	4/	7 x 7 x 2	Matte Wht.	Wht. Steel	2	130.00 Pair	
Voyager	Indoor/Outdoor; Ac. Sus.	No	5¼	5¼		1	Dome	70-20 ±3	89	3k	8/	10 x 6 x 7	Wht. Lexan	Steel	2	400.00 Pair	
Runabout II	Indoor/Outdoor; Ac. Sus.	No	4½			¾	Dome	80-20 ±3	89	3.5k	8/	9 x 6 x 6	Wht.	Steel	6	250.00 Pair	
Runabout I	Indoor/Outdoor; Ac. Sus.	No	4½					80-15 ±3	89		8/	9 x 6 x 6	Wht.	Steel	6	200.00 Pair	
BOZAK AUDIO LABS	Grand	Pas. Rad.		(4)6¾	(2)5½	Cones	1	Dome	28-20 +1,-2	93	200, 2k	8/6	48 x 31 x 16	Opt., Wood Ven.	Blk. Knit	180	6000.00 Pair
	Symphony II	Pas. Rad.		(2)8¼	(2)5½	Cones	1	Dome	31-20 +1,-2	92	225, 2k	6/4	44 x 25 x 15	Opt., Wood Ven.	Blk. Knit	130	4000.00 Pair
	Concerto II	Pas. Rad.		(2)6¾	5½	Cone	1	Dome	35-20 +1,-2	91	250, 2.5k	6/4	40 x 22 x 15	Opt., Wood Ven.	Blk. Knit	105	3000.00 Pair
	Rhapsody II	Ported		8¼	5½	Cone	¾	Dome	38-20 +1,-2	90	300, 3k	8/6	38 x 19 x 12	Opt., Wood Ven.	Blk. Knit	80	2000.00 Pair
	Sonata	Ported		8¼	5½	Cone	¾	Dome	40-20 +1,-2	90	300, 3k	8/6	26 x 19 x 11	Opt., Wood Ven.	Blk. Knit	55	1400.00 Pair
	4	Ported		(2)8			1	Dome	35-20 ±2	89	400, 1.7k	5/4	42 x 12 x 15	Oak Ven.	Blk. Knit	85	1999.00 Pair
	3	Ported		8			1	Dome	40-20 ±2	88	1.7k	8/6	37 x 12 x 14	Opt.	Blk. Knit	65	899.00 Pair
	2	Ported		8			1	Dome	45-18 ±2	89	2.2k	8/6	24 x 12 x 14	Opt.	Blk. Knit	36	599.00 Pair
	1	Ported		6½			1	Dome	57-18 ±2	87	2.5k	8/6	15 x 9 x 8	Opt.	Blk. Knit	23	499.00 Pair
	HT-FT30	Front Ch.; Ported		(2)6½			1	Dome	40-19		2.5k	6/4	41 x 14 x 8	Blk. Ash Ven.	Blk. Knit	52	999.00 Pair
	HT-F1	Front Ch.; Inf. Baf.		4			½	Dome	70-18		3.5k	8/6	9 x 5 x 5	Blk. Gloss	Blk. Knit	7	249.00 Pair
	HT-RC3A	Surround Ch.; Omni; Vented		6½	(2)4	Cones	1	Dome	55-14 ±2	90	500, 4k	6/4	4 x 8 x 8	Blk. Gloss	Blk. Knit	42	899.00 Pair
	HT-RC2A	Surround Ch.; Inf. Baf.		(2)4			3	Cone	70-12 ±2	90	4k	16/12	10 x 6 x 6	Blk. Gloss	Blk. Knit	9	499.00 Pair
HT-95-CC3	Ctr. Ch.	Yes	(2)6			(2)1	Domes	50-20 +1,-2	92	2.4k	5/4	23 x 8 x 11	Blk. Gloss	Blk. Knit	22	699.00 Each	
HT-CC2	Ctr. Ch.; Vented		(2)5			¾	Dome	50-20 ±2	90	2.4k	6/4	19 x 7 x 11	Blk. Gloss	Blk. Knit	18	499.00 Each	
HT-CC1	Ctr. Ch.; Vented		(2)5			¾	Dome	55-20 ±2	90	2.5k	6/4	19 x 7 x 11	Blk. Gloss	Blk. Knit	17	399.00 Each	

(Continued)



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**Video Magazine's  
Home Theater System of the Year**



**AudioVideo International  
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**"Extraordinary...Bravo Paradigm!"**

- Andrew Marshall, *Audio Ideas Guide*

**"...combines solid bass with uncoloured midrange,  
fine soundstaging, and a detailed, open top end...  
definitely give the Studio/100 a listen."**

- Tom Norton, *Stereophile Vol. 20, No. 8*

**"...state-of-the-art performance."**

- Joseph Cierniak, *Sensible Sound*

**"...an acoustically crisp, credibly realistic, and  
untiringly musical performance."**

- Andrew Keen, *FI Magazine*

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- Don Keele, *Audio Magazine*

**"Skin Tingling...Truly Topnotch."**

- Julian Hirsch, *Stereo Review*

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With years of design expertise and a state-of-the-art in-house R&D facility, Paradigm engineers and acousticians set out to build the world's finest speakers, regardless of cost! The result is Paradigm Reference...electrifying and eminently satisfying high-end speaker systems that bring you closer than ever to the live event!

And, while this stunning performance heightens the sheer enjoyment of music, it is equally important for the best in home theater sound, especially now with the arrival of digital AC-3 and DTS.

We invite you to visit your nearest Authorized Paradigm Reference Dealer and experience this astonishing new reference standard in music and home theater sound for yourself!



AC-3 is a trademark of Dolby Labs. DTS is a trademark of Digital Theater Systems.  
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CIRCLE NO. 45 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application Design Principle Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
BOZAK AUDIO LABS (Continued)	HT-95-PSW12	Powered Sub.	No	12					40-180 Hz +1.2	Var.	Var.	8/6	17 x 16 x 19	Blk. Gloss	Blk. Knit	55	999.00 Each
	HT-SW12 HT-SW1	Sub. Sub.		(2)12 (2)6½					90 90 90	90 90 100	6/4 6/4 6/4	36 x 19 x 17 20 x 8 x 12	Blk. Gloss Blk. Gloss Blk. Gloss	None Blk. Knit	69 23	699.00 Each 399.00 Each	
BRENT-WORTH SOUND LAB	Type I	Dynamic	No		6½				50-19 ±3	100	4/4	29 x 12 x 9	Gibraltar	Blk. Foam	70	3800.00 Pair w/Stand	
	Type III	Dynamic	No		(2)6½				20-20 ±3	102	4/3	39 x 17 x 11	Gibraltar	Blk. Foam	120	6000.00 Pair	
	Type IV	Dynamic	No		(4)6½				16-20 ±3	103	3/2	80 x 16 x 10	Gibraltar	Blk. Foam	270	24,000.00 Pair	
BRIGHT STAR AUDIO	Altair Reference	Aperiodic; Dipole		(2)8	(2)5	Cones	1,1½	Dome, Ribbon	28-22 ±3	91	350.3,15k	8/5	49 x 15 x 18	Opt.	Blk. Knit	87	6000.00 Pair
	Altair Pro	Aperiodic; Dipole		10	5	Cone	1,1½	Dome, Ribbon	32-22 ±3	89	400.3,15k	6/4	30 x 20 x 12	Simulated Granite	Blk. Knit	64	2550.00 Pair
B&W	CC 3	Ctr. Ch. Vented	Yes	(2)4		1	Dome	80-20 ±3	91	3k	8/4	6 x 16 x 9	Blk.	Blk. Cloth	10	200.00 Each	
	DM 302	Vented	5		1	Dome	72-20 ±3	91	3k	8/4	13 x 8 x 9	Blk.	Blk. Cloth	10	250.00 Pair		
	DM 305	Vented	Yes	6½		1	Dome	55-20 ±3	91	3k	8/4	33 x 9 x 12	Blk. Vinyl	Blk. Knit	24	225.00 Each	
	CC 6	Ctr. Ch. Vented	Yes	(2)5		1	Dome	78-20 ±3	89	3k	8/6	6 x 18 x 11	Blk.	Blk. Cloth	14	350.00 Each	
	DM 601	Vented	Yes	6½		1	Dome	70-20 ±3	88	3k	8/4	14 x 8 x 10	Blk.	Blk. Cloth	14	400.00 Pair	
	DM 602	Vented	7		1	Dome	52-20 ±3	90	3k	8/4	20 x 10 x 12	Blk.	Blk. Cloth	22	550.00 Pair		
	DM 603	Vented & Pas. Rad.	(2)7		1	Dome	47-20 ±3	90	3k	8/4	34 x 10 x 12	Blk.	Blk. Cloth	39	1000.00 Pair		
	DM 604	Vented	(2)7		1	Dome	44-20 ±3	90	450,3k	8/4	40 x 10 x 17	Blk.	Blk. Cloth	62	1600.00 Pair		
	DS 6	THX; Surround Ch. Powered Sub.	5		(2)3	Cones	85-8 ±3	89	250	8/4	10 x 15 x 6	Opt.	Opt. Cloth	13	600.00 Pair		
	AS 6	Powered Sub.	Yes	12					30-140 Hz ±3	88	3k	8/4	20 x 18 x 18	Blk.	Blk. Cloth	53	700.00 Each
	CDM 1	Vented	6½		1	Dome	64-20 ±2	88	3k	8/4	15 x 9 x 11	Opt.	Blk. Knit	18	1100.00 Pair		
	CDM 2	Vented	6½		1	Dome	70-20 ±2	87	3k	8/4	12 x 9 x 10	Opt.	Blk. Knit	16	800.00 Pair		
	P 4	Vented	6½		1	Dome	50-20 ±2	88	3.5k	8/4	32 x 8 x 10	Opt.	Blk. Knit	30	1200.00 Pair		
	P 5	Vented	6½		1	Dome	42-20 ±2	90	150,3k	8/4	36 x 8 x 12	Opt.	Blk. Knit	32	1500.00 Pair		
	P 6	Vented	6½		1	Dome	40-20 ±2	90	150,3k	8/4	40 x 8 x 12	Opt.	Blk. Knit	41	1800.00 Pair		
	800 ASW	Powered Sub.	Yes	12					17-135 Hz ±3	88	3k	8/4	20 x 17 x 23	Blk.	Blk. Knit	73	1600.00 Each
	Matrix HTM	Ctr. Ch.; Bass Ref.	Yes	6½		1	Dome	63-20 ±2	88	3k	8/4	10 x 17 x 9	Blk. Ven.	Blk. Knit	19	800.00 Each	
	Matrix 805	Vented	6½		1	Dome	45-20 ±2	87	3k	8/4	14 x 14 x 9	Opt.	Blk. Knit	19	800.00 Each		
	Matrix 804	Vented	6½		1	Dome	31-20 ±2	89	500,3k	8/4	37 x 11 x 11	Opt.	Blk. Knit	43	1100.00 Each		
	Matrix 803 S2	Vented	(2)6½		1	Dome	25-20 ±2	90	500,3k	8/3,7	40 x 11 x 14	Opt.	Blk. Knit	60	2000.00 Each		
	Matrix 802 S3	Vented	(2)8		1	Dome	27-20 ±2	90	400,3k	8/4	41 x 12 x 15	Opt.	Blk. Knit	70	2000.00 Each		
	Matrix 801 S3	Vented	12		1	Dome	20-20 ±2	87	380,3k	8/4	40 x 17 x 22	Opt.	Blk. Knit	119	2750.00 Each		
	Matrix 800	Vented	(2)12		1	Dome	23-20 ±2	93	380,800,3k	8/3	76 x 20 x 24	Opt.	Blk. Knit	240	7500.00 Each		
Silver Signature	Vented	6½		1	Dome	35-22 ±3	88	3k	8/5	18 x 10 x 10	Opt., Gloss	Blk. Knit	30	8000.00 Pair			
Signature 30	Vented	7		1	Dome	38-20 ±3	89	150,3k	8/5	41 x 11 x 15	Opt., Gloss	Blk. Knit	32	12,000.00 Pair			
SCM-8	THX; Dipole Surround	Yes	(2)6½		(2)1	Domes	105-25 +0,-6	87	3k	4/4	14 x 14 x 10	Blk.	Blk. Knit	24	750.00 Each		
FCM-8	THX; Sealed	Yes	(2)6½		(3)1	Domes	80-22 +0,-3	90	3k	6/4	24 x 10 x 9	Textured Blk. Ash	Blk. Knit	28	1000.00 Each		
PCS-8	THX; Bass Ref. Sub.	Yes	12					35-150 Hz +0,-3	89	8/8	24 x 23 x 24	Blk. Ash	Blk. Knit	71	1250.00 Each		
CCM 60	In-Wall	6½		1	Coax	60-20 ±3	90	5k	4/4	9 x 3	Wht.	Wht. Metal	3	200.00 Pair			
CWM 5	In-Wall	5		1	Dome	75-20 ±3	87	3.5k	8/4	9 x 6 x 3	Wht.	Wht. Metal	2	300.00 Pair			
CWM 6i	In-Wall	6½		1	Dome	55-20 ±3	89	3k	6/6	13 x 10 x 3	Wht.	Wht. Metal	5	450.00 Pair			
CWM 8i	In-Wall	8		1	Dome	40-20 ±3	90	3k	4/4	15 x 11 x 4	Wht.	Wht. Metal	5	650.00 Pair			
Signature Seven	In-Wall	7		1	Dome	40-20 ±3	88	3k	8/4	15 x 11 x 4	Wht.	Wht. Metal	6	1000.00 Pair			
CABASSE	Atlantis MC 001	Powered, Vented Pulsating Hemisphere		(2)12		Horn		Horn	20-20 ±3		200,900,4k		92 x 29 x 47	Wht.		397	89,000.00 Pair
	Baltic	Hemisphere Pulsating Hemisphere		8¼		Horn		Horn	200-20 ±3	94.5	1.3k,4k		47 x 14 x 18	Opt.		35	9000.00 Pair
	Baltic Murale	Hemisphere Pulsating Hemisphere		8¼		Horn		Horn	200-20 ±3	94.5	1.3k,4k			Gray			7500.00 Pair
	Stromboli	Vented Sub.		8					27-200 Hz	89			19 x 10 x 19	Opt., Wood		32	2000.00 Each
	Farella 400	Vented		8					50-20	94	1.4k		36 x 10 x 13	Opt., Wood		42	1995.00 Pair
Brick 500	Vented		(2)6½	3½	1¼	Coax	48-20	94	1.1k,4.5k			39 x 10 x 16	Opt., Wood		57	2995.00 Pair	
Catalane 500	Vented		(2)8	3½	1¼	Coax	45-20	95	1.1k,4k			46 x 10 x 17	Opt., Wood		79	3995.00 Pair	
CADAWAS ACOUSTICS	Mobile Monitor One-B	Auto Damping	No	8		1	Dome	20-20	90	2k	8/6	16 x 9 x 12	Blk. Gloss Lam.	Gray Knit	20	2000.00 Pair	
	TC-2	Auto Damping Sub.	No	12					20-100 Hz	90	100	8/6	24 x 15 x 11	Blk. Lam.	Gray Knit	40	2000.00 Pair
CAIRN	Saleina	Bass Ref.	Yes	7	7	Cone	1	Dome	40-20 ±3	93	200.5k	4/3	3 x 15 x 4	Wood	Blk.	48	750.00 Pair
	Alpi	Bass Ref.	Yes	5		1	Dome	60-20 ±3	91	5k	4/3	3 x 5 x 3	Blk.	Blk.	17	1750.00 Pair	
	Neve	Bass Ref.	Yes	7		1	Dome	50-20 ±3	91	3k	8/5	3 x 16 x 4	Lacq. Wood	Blk.	48	1500.00 Pair	
	Eiger	Open Baf.	Yes	(2)7	5	Cone	1½	Dome	45-20 ±3	91	200.5k	8/2	5 x 19 x 5	Lacq. Wood	Blk.	84	2900.00 Pair
	Meane	Open Baf.	Yes	(4)7	5	Cone	1½	Dome	40-20 ±3	93	200.5k	4/2	5 x 22 x 6	Lacq. Wood	Blk.	240	5190.00 Pair
	Jannu	Powered Sub.	No	10					30-150 Hz	89	60-150		6 x 7 x 6	Lacq. Wood		40	1500.00 Pair
CALIBRATION STANDARD INSTRUMENTS	NFM2002	Time Aligned; ELF Powered Woofer		8	5	Cone	1	Coax	30-20 ±3	89	100,3k	8/6	10 x 17 x 12	Blk. Gloss	Blk. Knit	38	3490.00 Each
	CMTA5	Time Aligned		5		1	Coax	80-20 ±3	89	3k	8/6	10 x 7 x 5	Blk. Gloss	Blk. Knit	9	990.00 Each	
	MDM-4	Ported		(2)6½		3½	Cone	60-17 ±3	89	1.5k	8/5	19 x 13 x 10	Rswd. Lam.	Brown Cloth	25	1690.00 Pair	
	MDM-TA2	Time Aligned		6½		¾	Cone	60-20 ±3	87	2.5k	8/5	16 x 12 x 9	Rswd. Lam.	Alum.	20	1490.00 Pair	
	MDM-TA3	Time Aligned		(2)6½	3½	Cone	¾	Dome	45-20 ±3	91	1.8k,7k	8/4	19 x 16 x 12	Rswd. Lam.	None	35	2290.00 Pair
	SW8	ELF Sub.		8					30-100 Hz ±1	89	100	8/6	10 x 12 x 9	Blk. Gloss	Blk. Knit	15	990.00 Each
	SW8A	ELF Powered Sub.		8					30-100 Hz ±1	89	100		10 x 12 x 12	Blk. Gloss	Blk. Knit	25	1990.00 Each
B8/70	ELF Sub.		8					30-100 Hz ±1	91	100	8/4	16 x 19 x 12	Blk. Lam.	Blk. Cloth	35	1290.00 Pair	
B18	ELF Sub.		18					16-100 Hz ±1	97	100	8/6	20 x 20 x 12	Blk. Lam.	Blk. Cloth	60	1990.00 Pair	
CAMBER	1.0ti/SM4	Bass Ref.	No	6½		¾	Dome	60-20 ±3	89	3k	8/7	15 x 9 x 11	Gloss Vinyl	Blk. Knit	18	498.00 Pair	
	3.0ti/SM4	Bass Ref.	No	8¾		¾	Dome	50-20 ±3	91	2.7k	8/6	19 x 11 x 12	Gloss Vinyl	Blk. Knit	29	798.00 Pair	
	3.5ti/SM4	Bass Ref.	No	8¾		¾	Dome	45-20 ±2	92	2.5k	8/6	24 x 11 x 12	Gloss Vinyl	Blk. Knit	35	948.00 Pair	
	4.5ti/SM4	Bass Ref.	No	(2)6½		¾	Dome	40-20 ±2	92	2.6k	8/6	36 x 9 x 12	Gloss Vinyl	Blk. Knit	44	1148.00 Pair	
	CVA/ti	Ctr. or Surround Ch. Powered Sub.	Yes	(2)6½		¾	Dome	45-20 ±3	90	2.3k	8/7	24 x 9 x 9	Blk. Gloss	Blk. Knit	37	399.00 Each	
Sub 1.2/ti	Powered Sub.	No	12					40-150 (Var.)	90	40-150 (Var.)		15 x 25 x 15	Blk. Gloss	Blk. Knit	82	699.00 Each	

(Continued)



# SUBWOOFER OF THE YEAR!



**Audio/Video International  
Grand Prix Product of the Year**



**Video Magazine's 1997  
Home Theater System of the Year**

**"...A DOWNRIGHT AMAZING PERFORMER."**

*- Tom Nounsaine on the PS-1200, Video Magazine*

**"...POWERFUL AND IMPRESSIVE."**

*- Andrew Marshall on the PS-1200, Audio Ideas Guide*

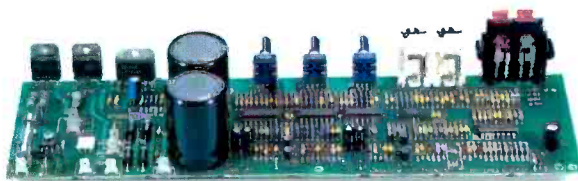
**"ROCK SOLID AND DEEP AS A CHASM, BASS NOTES CAME THROUGH AS I'D NEVER HEARD THEM BEFORE."**

*- Wes Philips on the PS-1000, Stereophile Guide to Home Theater Vol. 2, Number 2*

**A**lmost overnight PARADIGM has become *the new standard* in high-performance subwoofers. As a world leader in speaker design, PARADIGM knows what it takes to make great sounding speakers – from best-value budget audiophile speakers right through to sensational PARADIGM® REFERENCE high-end systems. PARADIGM has applied this comprehensive expertise to design and build the finest subwoofers available, at any price! And when it comes to price, PARADIGM's value is unmatched. In fact PARADIGM has been rated #1 in price/value for 7 consecutive years in surveys conducted by the distinguished trade publication Inside Track<sup>®</sup>.

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CIRCLE NO. 46 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anchor Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
CAMBER (Continued)	Sub 1.0/ii	Powered Sub.	No	10							40-150 (Var.)		10 x 22 x 15	Blk. Gloss	Blk. Knit	65	599.00 Each
	LS1-MK4	Ac. Sus.	No	6½		½	Dome	60-20 ±3	89	3k	8/7	12 x 8 x 8	Blk. Wood Vinyl	Blk. Knit	10	248.00 Pair	
	LS3-MK4	Bass Ref.	No	6½		¾	Dome	50-20 ±3	90	3k	8/7	16 x 8 x 10	Blk. Wood Vinyl	Blk. Knit	21	348.00 Pair	
	LS7-MK4	Bass Ref.	No	8		¾	Dome	40-22 ±3	91	2.8k	8/6	24 x 10 x 11	Blk. Wood Vinyl	Blk. Knit	40	598.00 Pair	
	LS9-MK4	Bass Ref.	No	(2)6½		¾	Dome	40-22 ±3	92	2.7k	8/6	37 x 9 x 12	Blk. Wood Vinyl	Blk. Knit	57	698.00 Pair	
	CVA MK4	Ctr. or Surround Ch.	Yes	(2)6½		¾	Dome	45-20 ±3	90	2.3k	8/7	24 x 9 x 9	Blk. Wood Vinyl	Blk. Knit	37	299.00 Each	
	CVA Mini	Ctr. or Surround Ch.	Yes	(2)4½		½	Dome	60-20 ±3	88	2.6k	8/7	18 x 7 x 7	Blk. Wood Vinyl	Blk. Knit	18	199.00 Each	
	CVA SR1	Surround Ch.	Yes	5		½	Dome	60-20 ±3	88	2.6k	8/7	12 x 6 x 6	Blk. Wood Vinyl	Blk. Knit	13	199.00 Pair	
	CVA 1.2 Sub	Powered Sub.	No	12							40-150 (Var.)		15 x 25 x 15	Blk. Wood Vinyl	Blk. Knit	82	599.00 Each
CVA 1.0 Sub	Powered Sub.	No	10							40-150 (Var.)		10 x 22 x 15	Blk. Wood Vinyl	Blk. Knit	65	499.00 Each	
CAMBRIDGE PHYSICS	K-1G	Inf. Baf.		8		1	Dome	38-22 ±3	90	2.2k	8/		Wood Vinyl	Blk. Knit		350.00 Pair	
	K-10G	Inf. Baf.		8		1	Dome	36-22 ±3	91	2.2k	8/		Wood Vinyl	Blk. Knit		400.00 Pair	
	K-200G	Inf. Baf.		10	8	1	Dome	28-22 ±3	92	2.2k	8/		Wood Vinyl	Blk. Knit		600.00 Pair	
	K-200G	Inf. Baf.		10	8	1	Dome	24-22 ±3	94	2k	8/		Wood Vinyl	Blk. Knit		700.00 Pair	
	K-320G	Inf. Baf.		(2)8	4½	1	Dome	32-22 ±3	90	5k	8/		Wood Vinyl	Blk. Knit		1000.00 Pair	
	G-7/2	Vented		6½		¾	Dome	60-22 ±3	91	3k	8/		Oak Vinyl	Blk. Knit		300.00 Pair	
	G-11/2	Vented		8		1	Dome	36-22 ±3	92	2.2k	8/		Oak Vinyl	Blk. Knit		400.00 Pair	
	G-33/2	Pas. Rad.		10	8	1	Dome	28-22 ±3	94	2.2k	8/		Oak Vinyl	Blk. Knit		650.00 Pair	
	G-66/2	Vented		(2)8	5½	1	Dome	23-25 ±3	90	7k	8/		Oak	Blk. Knit		2400.00 Pair	
	CAMBRIDGE SOUNDWORKS	Ensemble	Ac. Sus., 2 Sats. & 2 Subs.	No	(2)8	4	Cone	1¾, ½	Cone, Dome		85	140, 1.9k	6/	Four Pieces	Opt.	Blk. Metal	52 Sys.
Ensemble II		Ac. Sus. Sats. & Sub.	No	(2)6½	4	Cone	1¾, ½	Cone, Dome		85	140, 1.9k	6/	Three Pieces	Opt.	Blk. Metal	36 Sys.	499.99 Sys.
Ensemble III		Ac. Sus. Sats. & Sub.	Yes	6½	3½		¾	Dome				6/	Three Pieces	Blk.	Blk. Metal	15 Sys.	349.99 Sys.
Ensemble IV		Ac. Sus. Sats. & Sub.	Yes	5¾			3	Cone				6/	Three Pieces	Blk.	Blk. Metal	12 Sys.	249.99 Sys.
Ensemble IV Home Theater Tower		5 Ac. Sus. Sats. & Sub.	Yes	5¾			3	Cone				6/	Six Pieces	Blk.	Blk. Metal	16 Sys.	399.99 Sys.
Tower II		Bipolar Vented	Yes	(2)8	(2)5¼	Cones	(2)1	Domes		89	350.3k	8/	39 x 10 x 14	Opt., Wood	Blk. Knit	61	749.99 Each
Tower III		Vented	Yes	(2)8	5¼	Cone	1	Dome		89	350.3k	8/	36 x 10 x 14	Opt.	Blk. Knit	55	499.99 Each
Six		Vented	Yes	8			1	Dome		88	2.5k	8/	33 x 10 x 11	Blk. Ash	Blk. Knit	39	299.99 Each
		Ac. Sus.	No	8			1¾, ½	Cone, Dome		90	2k	8/6.5	18 x 11 x 7	Blk.	Blk. Knit	19	259.98 Pair
Seventeen Center Stage		Ac. Sus. Ctr. Ch., Vented	No	5¼		½	Dome				8/	8/	8 x 12 x 6	Opt.	Blk. Knit	10	179.98 Pair
Center Channel Plus		Ctr. Ch., Ac. Sus.	Yes	(2)5¼		1	Dome			2.5k	8/	8/	7 x 25 x 8	Blk.	Blk. Knit	15	349.99 Each
Center Channel II		Ctr. Ch.	Yes	(4)3		1¾, ½	Cone, Dome			2k	8/	8/	7 x 25 x 4	Blk.	Blk. Knit	12	229.99 Each
Center/Surround III		Ctr. or Surround Ch.	Yes	(2)3		1¾, ½	Cone, Dome			2k	8/	8/	7 x 14 x 4	Blk.	Blk. Knit	8	159.99 Each
Center/Surround IV		Ctr. or Surround Ch.	Yes	3½		¾	Dome			2.2k			6 x 4 x 3	Blk.	Blk. Metal	3	79.99 Each
Surround 5.1		Ctr. or Surround Ch.	Yes		4	Cone							4 x 4 x 4	Blk.	Blk. Metal	2	49.99 Each
Surround II 5.1		Bipole or Dipole Surround	No	4	2	Cone				600	8/	8/	8 x 5 x 5	Blk.	Blk. Metal		399.99 Each
Powered Subwoofer		Bipole or Dipole Surround	No	3		2½	Cone			350	8/	8/	6 x 4 x 3	Blk.	Blk. Metal		249.99 Pair
Powered Subwoofer II		Powered	No	12							55/80/100/140 (Sel.)		27 x 16 x 10	Blk.	Blk. Metal	56	699.99 Each
Powered Subwoofer III		Powered	No	8							55/80/100/140 (Sel.)		21 x 12 x 9	Blk.	Blk. Metal	34	399.99 Each
MovieWorks 5.1		Powered Sub.	No	6½							80/140 (Sel.)		17 x 9 x 8	Blk.	Blk. Metal	12	249.99 Each
MovieWorks IV	Multi-Polar; 5 Sats. & Powered Sub.	Yes	12	4, 2	Cones	1¾, ½	Cone, Dome					Six Pieces	Blk.	Blk. Metal		1799.99 Sys.	
Twelve	5 Sats. & Powered Sub.	Yes	6½	3	Cone							Six Pieces	Opt.			499.99 Sys.	
MicroWorks	Powered	No	7	3	Cone	¾	Dome		200, 2.2k			Suitcase System	Blk.		23 Sys.	799.99 Sys.	
SoundWorks	Sats. & Powered Sub.	Yes	6½		(2)3	Cones						Three Pieces	Opt.	Opt., Metal	18 Sys.	349.99 Sys.	
PC Works	Sats. & Powered Sub.	Yes	4½		(2)2	Cones						Three Pieces	Opt.	Opt., Metal	10 Sys.	219.99 Sys.	
The Outdoor	Powered	Yes	5¼		(2)2	Cones						Three Pieces	Opt.	Opt., Metal		99.99 Sys.	
The Outdoor InWall	Ac. Sus. indoor/Outdoor; In-Wall; Ac. Sus.	No	5¼		¾	Dome				8/	8/	7 x 11 x 6	Wht.	Wht. Metal	20	299.99 Pair	
Ambiance InWall	Ac. Sus. indoor/Outdoor; In-Wall; Ac. Sus.	No	5¼		¾	Dome				8/	8/	9 x 12 x 4	Wht.	Wht. Metal	20	349.99 Pair	
CANTON	Twin 700	Sealed		4		1	Coax Dome	65-30	87	2.5k	8/4		5 x 5 x 6	Opt.	Opt., Steel	5	349.00 Pair
	Plus S	Sealed		4		1	Dome	45-26	87.2	2.2k	8/4		8 x 5 x 4	Opt.	Opt., Steel	5	349.00 Pair
	Plus X	Sealed		4		1	Dome	45-30	87	2.5k	8/4		8 x 5 x 5	Opt.	Opt., Steel	5	375.00 Pair
	Plus D	Bass Ref.		6		1	Dome	48-26	88	2.5k	8/4		11 x 7 x 7	Opt.	Opt., Steel	10	498.00 Pair
	Plus F	Sealed		4		1	Dome	48-26	87.4	2.5k	8/4		11 x 7 x 3	Wht.	Wht. Steel	7	398.00 Pair
	Plus C	Sealed Sub.		12				22-120 Hz	87.7	120	8/4		14 x 13 x 14	Opt.	Opt., Steel	30	595.00 Each
	Plus I	4 Plus S, 1 AV500 & 1 Plus C	Yes								8/4		Six Pieces	Opt.	Opt.		1685.00 Sys.
	Patio 160	Outdoor; Sealed		6		1	Dome	42-30	88	2.9k	8/4		11 x 7 x 5	Wht.	Wht. Alum.	8	449.00 Pair
HC 100	Sealed		4		1	Dome	48-26	87.2	1.7k	8/4		5 x 8 x 5	Opt.	Opt., Steel	5	298.00 Pair	



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
CANTON (Continued)	InWall 6	In-Wall; Inf. Baf.		6			1	Coax Dome	45-22	87	4k	8/4	8 x 8 x 4	Wht.	Wht. Steel	4	495.00 Pair
	InWall 9	In-Wall; Inf. Baf.		9			1	Coax Dome	34-22	89	2.5k	8/4	10 x 10 x 4	Wht.	Wht. Steel	6	595.00 Pair
	AV 500	A/V; Bass Ref.	(2)4				1	Dome	40-30	87.5	3k	8/4	5 x 17 x 6	Opt.	Opt., Steel	12	395.00 Each
	AV 700	A/V; Bass Ref.	(2)4				1	Dome	40-30	87.5	3k	8/4	5 x 17 x 7	Opt.	Opt., Steel	11	349.00 Each
	Fonissimo 2+	Sats. & Bandpass Sub.	(2)8	(2)4	Cones	(2)1		Coax Domes	22-30	87	120,2.2k	8/4	Three Pieces	Opt.	Opt., Steel	42	795.00 Sys.
	Fonissimo I	Fonissimo 2+, 1 AV700 & 2 Twin 700	Yes									8/4	Six Pieces	Opt.	Opt.		1490.00 Sys.
	Fonum CM30	Ctr. Ch., Bass Ref.	Yes	(2)6			1	Dome	32-30			8/4	17 x 7 x 12	Blk.	Blk. Fabric	4	495.00 Each
	Fonum R30	Dipole Surround	Opt.	(2)4			1	Dome	47-30			8/4	8 x 8 x 5	Blk.	Blk. Fabric	11	495.00 Each
	Fonum AS30	Powered, Bass Ref. Sub.	Yes	(2)9					20-150 Hz	50-150		8/4	10 x 24 x 16	Blk.	Blk. Fabric	50	995.00 Each
	Fonum 230	Bass Ref.	Opt.	6			1	Dome	42-26			8/6	8 x 12 x 8	Blk.	Blk. Fabric	18	495.00 Pair
	Fonum 330	Bass Ref.	Opt.	7			1	Dome	38-26			8/6	8 x 15 x 11	Blk.	Blk. Fabric	20	695.00 Pair
	Fonum 530DC	Bass Ref.	Opt.	8			1	Dome	30-26			8/6	9 x 32 x 11	Opt.	Opt., Fabric	38	995.00 Pair
	Fonum 630DC	Bass Ref.	Opt.	8	8	Cone	1	Dome	25-26			8/6	9 x 36 x 11	Opt.	Opt., Fabric	47	995.00 Pair
	Fonum 730DC	Bass Ref.	Opt.	(2)9	6	Cone	1	Dome	20-20			8/6	10 x 41 x 12	Opt.	Opt., Fabric	55	1995.00 Pair
	Fonum II	3 Fonum CM30, 2 Fonum R30 & 1 Fonum AS30	Yes									8/4	Six Pieces	Opt.	Opt.		2975.00 Sys.
	Fonum I	2 Fonum 730DC, 1 Fonum CM30 & 2 Fonum R30	Yes									8/4	Five Pieces	Opt.	Opt.		2985.00 Sys.
	Cinema 700	4 Twin 700, 1 AV700 & 1 Fonum AS30	Yes									8/4	Six Pieces	Opt.	Opt.		1995.00 Sys.
	Cinema 751	2 Twin 700, 1 AV700, 2 Ergo R51 & 1 Fonum AS30	Yes									8/4	Six Pieces	Opt.	Opt.		2375.00 Sys.
	Karat M40	Bass Ref.	Yes	(4)4	4	Cone	1	Coax Dome	30-30			8/6	6 x 44 x 10	Opt.	Opt., Fabric		2995.00 Pair
	Karat CM2	Ctr. Ch.; Bass Ref.	Yes	(2)4	4	Cone	1	Coax Dome	42-30			8/6	10 x 6 x 11	Opt.	Opt., Fabric		579.00 Each
	Karat CM4	Ctr. Ch.; Bass Ref.	Yes	(2)4	4	Cone	1	Coax Dome	35-30			8/6	15 x 6 x 12	Opt.	Opt., Fabric		698.00 Each
	Karat R4	Dipole Surround	Yes	(2)4			(2)1	Coax Domes	45-30			8/6	8 x 8 x 5	Opt.	Opt., Fabric		995.00 Pair
	Karat AS4	Powered, Bass Ref. Sub.	Yes	(2)9					20-150 Hz			8/6	10 x 24 x 16	Opt.	Opt., Fabric		1498.00 Each
	Karat II	3 Karat CM4, 2 Karat R4 & 1 Karat AS4	Yes									8/4	Six Pieces	Opt.	Opt.		4587.00 Sys.
Karat I	2 Karat M40, 1 Karat CM4, 2 Karat R4 & 1 Karat AS4	Yes									8/4	Six Pieces	Opt.	Opt.		5995.00 Sys.	
Ergo R51	Dipole Surround	Yes	(2)4			(2)1	Domes	45-30		2.2k	8/4	7 x 8 x 5	Opt.	Opt., Steel	12	698.00 Pair	
Ergo CM51	Main or Ctr. Ch.	Yes	(2)7	4	Cone	1	Dome	26-30	87.9	2.8k	8/6	20 x 9 x 11	Opt.	Opt.	28	895.00 Each	
Ergo 21DC	Bass Ref.	Opt.	8			1	Dome	33-30	87	2.8k	8/6	9 x 14 x 10	Opt.	Opt.	18	395.00 Pair	
Ergo 31DC	Bass Ref.	Opt.	9			1	Dome	27-30	87.3	2.8k	8/6	10 x 17 x 11	Opt.	Opt.	25	1195.00 Pair	
Ergo 71DC	Bass Ref.	Opt.	7	7	Cone	1	Dome	25-30	87.5	300,3.5k	8/4	36 x 8 x 11	Opt.	Opt., Steel	41	1985.00 Pair	
Ergo 81DC	Bass Ref.	Opt.	8	8	Cone	1	Dome	22-30	87.5	300,3.5k	8/4	38 x 9 x 12	Opt.	Opt., Steel	49	2495.00 Pair	
Ergo 91DC	Bass Ref.	Opt.	(2)8	6	Cone	1	Dome	20-30	88.3	300,3.5k	8/4	41 x 10 x 13	Opt.	Opt., Steel	64	3495.00 Pair	
Ergo SC-S	Bass Ref.	Opt.	7	7	Cone	1	Dome	18-30	87.5	300,3.5k	8/4	36 x 9 x 10	Opt.	Opt., Knit	40	2995.00 Pair	
Ergo SC-L	Bass Ref.	Opt.	(2)9	6	Cone	1	Dome	18-30	88.5	300,3.5k	8/4	41 x 10 x 12	Opt.	Opt., Knit	67	w/Active EQ 4495.00 Pair	
Ergo II	3 Ergo CM51, 2 Ergo R51 & 1 Karat AS4	Yes									8/4	Six Pieces	Opt.	Opt.		w/Active EQ 4881.00 Sys.	
Ergo I	2 Ergo 91 DC, 2 Ergo R51 & 1 Ergo CM51	Yes									8/4	Five Pieces	Opt.	Opt.		4995.00 Sys.	
Digital 1	Bass Ref.; DSP	Opt.	(2)10	7	Cone	1	Coax Dome	18-30	86.5	220,3.3k	8/4	47 x 12 x 14	Opt.	Opt., Knit	90	20,000 Pair	
Digital 2	Bass Ref.; DSP	Opt.	(2)9	7	Cone	1	Coax Dome	18-30	89	220,3.3k	8/6	10 x 42 x 12	Opt.	Opt.		12,000 Pair	
CARVER	A-III Plus	Ribbon Dipole		10			Ribbon	34-20 ±3		150	4/3	15 x 17 x 73	Blk. Oak	Blk.	80	1000.00 Each	
CASTLE	Clifton	Bass Ref.	No	5			1	Dome	65-20 ±3	88		8/	12 x 7 x 8	Opt.	Blk. Knit	9	395.00 Pair
	Isis	Bass Ref.	No	5			1	Dome	60-20 ±3	87		8/	14 x 7 x 8	Opt.	Blk. Knit	12	529.00 Pair
	Tay	Bass Ref.	No	5			1	Dome	50-20 ±3	87	2.8k	8/	17 x 8 x 10	Opt.	Blk. Knit	17	749.00 Pair
	Eden	Bass Ref.	No	6½			1	Dome	45-20 ±3	87	3.3k	8/	17 x 9 x 10	Opt.	Blk. Knit	31	999.00 Pair
	Severn	Bass Ref.	No	5			1	Dome	47-20 ±3	87	2.8k	8/	30 x 9 x 9	Opt.	Blk. Knit	53	1159.00 Pair
	Avon	Bass Ref.	No	6½			1	Dome	43-20 ±3	87	3.3k	8/	35 x 9 x 10	Opt.	Blk. Knit	50	1599.00 Pair
	Harlech	¼-Wave	No	(2)5			1	Dome	40-22 ±3	88		8/	37 x 8 x 13	Opt.	Blk. Knit	53	1999.00 Pair
	Howard S2	¼-Wave	No	(2)6½			1	Dome	35-22 ±3	90		8/	41 x 9 x 14	Opt.	Blk. Knit	57	2599.00 Pair
	Keep	Bass Ref.	Yes	(2)5			1	Dome	65-20 ±3	89		8/	7 x 19 x 11	Opt.	Blk. Knit	23	569.00 Each
	CELESTION	A6S	Powered Sub.	Yes	(2)10					29-150 Hz ±2		Var.		24 x 13 x 16	Opt.	Blk. Knit	
CSW		Powered Bandpass Sub.	Yes	8					40-140 Hz ±3		80-120 (Adj.) 50-150		10 x 21 x 18	Blk. Textured	None	28	449.00 Each
S1		Powered Sub.	Yes	10					30-150 Hz ±2				12 x 12 x 12	Blk. Ash Vinyl		399.00 Each	
A1		Ported	Yes	7			1	Dome	43-20 ±2	88	3k	4/5	16 x 10 x 14	Opt. Wood	Blk. Knit	31	1499.00 Pair
A2		Ported	Yes	(2)7			1	Dome	40-20 ±2	90	3k	4/3,2	36 x 10 x 15	Opt. Wood	Blk. Knit	65	2199.00 Pair
A3		Ported	Yes	(3)8	7	Cone	1	Dome	36-20 ±2	90	300,3k	4/3,2	45 x 11 x 17	Opt. Wood	Blk. Knit	101	3499.00 Pair
A4C		Ctr. Ch.	Yes	(2)6	4	Cone	1	Dome	80-20 ±3	89	800,4k	4/	8 x 26 x 9	Opt. Wood	Blk. Knit		599.00 Pair
A5R		Dipole Surround	No	(2)4			1	Dome	80-20	87	4k	6/	9 x 12 x 7	Opt., Matte	Opt.		399.00 Each
MP1		Vented	Yes	4½			1	Dome	70-20±3	90	4k	8/	12 x 6 x 9	Opt.	Opt., Knit	6	299.00 Pair
Little One		Sealed	No	3½			1	Dome	100-20 ±3	90	4k	8/	8 x 6 x 4	Opt.	Opt., Knit	3	w/Stands 179.00 Pair
(Continued)	Center 2	Ctr. Ch.; Vented	Yes	(2)4½			1	Dome	80-20 ±3	90	4k	8/	7 x 17 x 7	Gray	Gray	8	w/Stands 249.00 Each



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to Hz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
CELESTION (Continued)	CSC Impact C1	Ctr. Ch.; Sealed Ctr. Ch.; Vented	Yes	(2)4			1	Dome	88-20 ±3	89	2.5k	8/	5 x 13 x 6	Gray	Gray Blk. Knit	6	179.00 Each
	Impact 10	Surround; Vented	No	5			1	Dome	50-20 ±3	88	3.5k	6/	12 x 8 x 8	Blk. Ash	Blk. Knit		199.00 Pair
	Impact 15	Surround; Vented	No	6			1	Dome	49-22 ±3	89	3.5k	6/	15 x 10 x 10	Blk. Ash	Blk. Knit		299.00 Pair
	Impact 20	Surround; Dual Port	Yes	8			1	Dome	46-22 ±3	90	3.5k	8/	19 x 11 x 11	Blk. Ash	Blk. Knit		399.00 Pair
	Impact 25	Vented	Yes	8			1	Dome	43-22 ±3	90	3k	8/	32 x 11 x 11	Blk. Ash	Blk. Knit		550.00 Pair
	Impact 30	Vented	Yes	6	4	Cone	1	Dome	47-22 ±3	90	700.3k	4/	32 x 9 x 10	Blk. Ash	Blk. Knit		650.00 Pair
	Impact 35	Vented	Yes	8	4	Cone	1	Dome	40-22 ±3	90	600.3k	4/	35 x 11 x 11	Blk. Ash	Blk. Knit		750.00 Pair
	Impact 40	Dual Port	Yes	10	5	Cone	1	Dome	35-22 ±3	91	580.3k	4/	39 x 13 x 11	Blk. Ash	Blk. Knit		950.00 Pair
	Kingston	Sealed	Yes	6½			1¼	Dome	60-20 ±3	84		8/	40 x 9 x 14	Wht.	Wht. Knit	90	3999.00 Pair w/Stands
	CELLO LTD.	Stradivarius Grand Master	Ac. Sus.		(2)12	(8)2	Domes	(8)¾	Domes		127	500.5k	2/1	17 x 18 x 87	Opt.	Blk. Mesh	500
Master Premiere Legend		Ac. Sus. Variovent		(2)12	(4)2	Domes	(4)¾	Domes		115	500.5k	4/2	17 x 18 x 62	Opt.	Blk. Mesh	370	35,000 Pair
Seraphin Elf		Ac. Sus. Powered, Biamped Aperiodic		12	3	Dome	1	Dome		115	500.7k	6/4	17 x 18 x 45	Opt.	Blk. Mesh	260	18,000 Pair
Pro Amati		Ac. Sus.		12	3	Dome	1	Dome	70-20 ±3	115	500.5k	4/3	14 x 12 x 27	Opt.	Blk. Mesh	72	8000.00 Pair
CERWIN-VEGA	E-315	Bass Ref.	No	15	6½	Cone	1	Dome	28-20 ±3	102	700.3.5k	8/	36 x 18 x 16	Vinyl	Blk. Cloth	66	559.00 Each
	E-312	Bass Ref.	No	12	5¼	Cone	1	Dome	28-20 ±3	98	400.3.5k	8/	33 x 15 x 13	Vinyl	Blk. Cloth	51	359.00 Each
	E-310	Bass Ref.	No	10	5¼	Cone	1	Dome	38-20 ±3	95	600.3k	8/	31 x 13 x 10	Vinyl	Blk. Cloth	39	319.00 Each
	E-208	Bass Ref.	No	8			1	Dome	40-20 ±3	94	2k	8/	19 x 10 x 10	Vinyl	Blk. Cloth	19	209.00 Each
	E-26F	Bass Ref.	No	6½			1	Dome	60-20 ±3	90	6k	8/	13 x 8 x 8	Vinyl	Blk. Cloth	8	129.00 Each
	E-D6C	Ctr. Ch.	Yes	6½			1	Dome	60-20 ±3	92	3.5k	8/	8 x 20 x 10	Vinyl	Blk. Cloth	13	289.00 Each
	AL-1000	Bass Ref.	No	15	8	Cone	1	Dome	28-20 ±3	95	400.3.5k	4/	44 x 17 x 17	Gray Vinyl	Gray Cloth	93	799.00 Each
	AL-750	Bass Ref.	No	12	6½	Cone	1	Dome	28-20 ±3	93	400.3.5k	4/	38 x 14 x 12	Gray Vinyl	Gray Cloth	80	649.00 Each
	RE-6C	Ctr. Ch.	Yes	(2)6½					60-20 ±3	92	6k	8/	8 x 20 x 10	Blk. Vinyl	Blk. Cloth	13	289.00 Each
	RE-16B	Bass Ref.	Yes	6½					60-20 ±3	90	3.5k	8/	13 x 8 x 8	Blk. Vinyl	Blk. Cloth	8	129.00 Each
	HT-S15	Powered	No	15					30-150 Hz		30-150 (Var.)		21 x 19 x 19	Blk. Wood	Blk. Cloth	72	799.00 Each
	HT-S12	Bass Ref. Sub. Powered	No	12					35-150 Hz		50-150 (Var.)		19 x 17 x 17	Blk. Wood	Blk. Cloth	60	649.00 Each
	HT-S10	Bass Ref. Sub. Powered	No	10					35-150 Hz		50-150 (Var.)		17 x 15 x 15	Blk. Wood	Blk. Cloth	55	529.00 Each
	SUB-150	Bass Ref. Sub. Powered	No	15					30-150 Hz		30-150 (Var.)		21 x 19 x 19	Blk. Wood	Blk. Cloth	72	899.00 Each
	SUB-12	Bass Ref. Sub. Powered	No	12					35-150 Hz	93	125	8/	19 x 17 x 17	Blk. Wood	Blk. Cloth	49	419.00 Each
	SUB-10	Bass Ref. Sub.	No	10					38-150 Hz	94	125	8/	17 x 15 x 15	Blk. Wood	Blk. Cloth	44	339.00 Each
	HT-CTR25	Ctr. Ch.	Yes	(2)5¼			1	Dome	80-22 ±2.5	92	4k	8/	20 x 6 x 8	Vinyl	Blk. Cloth	7	219.00 Each
	HT-CTR24	Ctr. Ch.	Yes	(2)4			1	Dome	80-22 ±2.5	91	4k	8/	15 x 5 x 7	Vinyl	Blk. Cloth	6	169.00 Each
	HT-SAT5	Bass Ref.	Yes	5¼			1	Dome	60-22 ±2.5	92	4k	8/	6 x 12 x 8	Vinyl	Blk. Cloth	6	299.00 Pair
	HT-SAT4	Sealed	Yes	4			1	Dome	80-22 ±2.5	91	4k	8/	5 x 10 x 6	Vinyl	Blk. Cloth	5	239.00 Pair
System 120	4 Sats., Ctr. Ch. & Sub.	Yes	12									Six Pieces				1349.00 Sys.	
System 100	4 Sats., Ctr. Ch. & Sub.	Yes	10									Six Pieces				1049.00 Sys.	
System 10	4 Sats., Ctr. Ch. & Sub.	Yes	10									Six Pieces				849.00 Sys.	
Re-20	Bass Ref.	No	8			1	Dome	40-20 ±3	93	2.5k	8/	20 x 11 x 12	Wal. Vinyl	Blk. Knit	26	205.00 Each	
Re-25	Bass Ref.	No	10	4	Cone	1	Dome	38-20 ±3	95	1k.6k	6/	27 x 13 x 12	Wal. Vinyl	Blk. Knit	40	310.00 Each	
Re-30	Bass Ref.	No	12	4	Cone	1	Dome	28-20 ±3	97	500.6k	4/	32 x 17 x 15	Wal. Vinyl	Blk. Knit	57	345.00 Each	
Re-38	Bass Ref.	No	15	6½	Cone	1	Dome	27-20 ±3	102	600.4.5k	4/	36 x 18 x 11	Wal. Vinyl	Blk. Knit	90	540.00 Each	
VS-80	Bass Ref.	No	8			1	Dome	38-20 ±3	94	3.6k	6/4	20 x 12 x 11	Wal. Vinyl	Blk. Knit	26	205.00 Each	
VS-100	Bass Ref.	No	10	4	Cone	1	Dome	37-20 ±3	95	650.6k	6/4	12 x 28 x 13	Wal. Vinyl	Blk. Knit	40	310.00 Each	
VS-120	Bass Ref.	No	12	4	Cone	1	Dome	28-22 ±3	97	300.6k	4/3.5	17 x 32 x 15	Wal. Vinyl	Blk. Knit	57	345.00 Each	
VS-150	Bass Ref.	No	15	6½	Cone	1	Dome	28-22 ±3	102	400.6k	4/3.4	18 x 36 x 19	Wal. Vinyl	Blk. Knit	90	540.00 Each	
CHADWICK MODIFICATIONS	MC1000	Ported	No	8			¾	Dome	38-32	90	1k	6/3		Oiled Wal.	Blk.	40	1800.00 Pair
CHAPMAN SOUND	T-7	Trans. Line	No	10	6½	Cone	1	Dome	28-20 ±3	90	125.3k	4/3.2	44 x 13 x 10	Opt., Wood	Blk. Knit	85	2800.00 Pair
	T-6	Trans. Line	No	10	5	Cone	1	Dome	30-20 ±3	89	150.4.5k	4/3.2	39 x 10 x 13	Opt., Wood	Blk. Knit	80	1700.00 Pair
	VS-1	Ctr. Ch.	Yes	6			1	Dome	60-20 ±3	88	4.5k	8/5.2	17 x 10 x 11	Opt., Wood	Blk. Knit	45	740.00 Each
	VS-2	Ctr. Ch.	Yes	(2)6	2	Cone	1	Dome	45-20 ±3	89	1.2k.4.5k	4/3.2	30 x 11 x 12	Opt., Wood	Blk. Knit	65	1100.00 Each
CHATEAU RESEARCH	Chateau Elete 1	Vented	No	5			1	Dome	68-19.2	89	2.5k	8/6.1		Wood Ven.	Blk. Foam	24	1295.00 Pair
	Chateau Elete 3	Vented	No	8			1	Dome	20-20	90	2k	8/6.8		Wood Ven.	Blk. Foam	35	2495.00 Pair
CITATION	7.2	THX; Inf. Baf.		(2)6½			(2)1	Domes	80-23 ±3	91	2.5k	4/3.8	23 x 10 x 11	Blk. Lacq. Oak	Charcoal Knit	42	1350.00 Each
	7.3	THX; Dual-Drive Dipole Surround		(2)5½			(2)1	Domes	85-18 ±3	90	2.5k	8/4	18 x 14 x 9	Opt.	Opt., Knit	28	1000.00 Each
	7.4	THX; Sub.		14					30-100 Hz	91		8/6	20 x 24 x 14	Blk. Lacq. Oak	Charcoal Knit	85	1150.00 Each
	5.2	Inf. Baf.		5½			1	Dome	90-23 ±3	88	2.5k	8/6	12 x 8 x 7	Blk. Lacq. Oak	Charcoal Knit	16	475.00 Each
	5.3	THX; Dual-Drive Dipole Surround		(2)5½			(2)1	Domes	100-18 ±3	90	2.5k	8/4	12 x 14 x 7	Opt.	Opt., Knit	22	990.00 Pair
5.4	THX; Sub.		12					30-100 Hz	90			19 x 22 x 18	Blk. Lacq. Oak	Charcoal Knit	70	795.00 Each	
CLASSIC AUDIO REPRODUCTIONS	Studio Supreme	Dual Ported	No	(2)15	2	Compr. Horn	1½	Compr. Horn	22-18 ±3	101	800.8k	8/		Opt.	Opt.	275	13,500 Pair
	Master Monitor	Folded Horn		(2)15	2	Compr.	(2)1½	Horns	25-20 ±3	108	800.7k	8/	50 x 36 x 29	Opt.	Opt.	250	17,850 Pair
	Hartsfield	Folded Horn		15	2	Compr.	(2)1½	Horns	31.5-20 ±3	106	800.7k	8/	47 x 47 x 25	Opt.	Opt.	225	12,530 Pair
	Studio Standard II	Ported		15	1	Compr.	1½	Horn	20-20 ±1	97	800.7k	8/	35 x 31 x 20	Opt.	Opt.	150	6950.00 Pair
Cinema Music Channel	Ported		(2)6½			1	Compr.	40-18 ±1	95	1k	8/	24 x 14 x 12	Opt.	Opt.	45	2350.00 Pair	



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
CLEMMENTS LOUD-SPEAKERS	105di	Vented	No	5 1/4			3/4	Dome	55-20 ±3	87	3.5k	8/6	12 x 7 x 8	Blk. Oak Vinyl	Blk.	8	129.95 Each
	106di	Vented	No	6 1/2			3/4	Dome	48-20 ±3	88	3k	8/6	14 x 8 x 9	Blk. Oak Vinyl	Blk.	10	169.95 Each
	107di	Vented	No	6 1/2			3/4	Dome	45-20 ±3	89	2.8k	8/6	17 x 10 x 11	Blk. Oak Vinyl	Blk.	12	199.95 Each
	108di	Vented	No	8			1	Dome	40-20 ±3	90	2.5k	6/4.5	24 x 11 x 12	Blk. Oak Vinyl	Blk.	27	249.95 Each
	204c	Ctr. Ch.; Vented	Yes	(2)4 1/2			3/4	Dome	75-20 ±3	88	3.5k	9/6	6 x 17 x 8	Blk. Oak Vinyl	Blk.	12	134.95 Each
	206di	Vented	Yes	(2)6 1/2			1	Dome	38-20 ±3	90	2.8k		38 x 10 x 11	Blk. Oak Vinyl	Blk.	45	399.95 Each
	208di	Vented	No	8			1	Dome	35-20 ±3	90	2.8k		32 x 11 x 11	Blk. Oak Vinyl	Blk.	39	349.95 Each
	308di	Vented	No	(2)8			1	Dome	30-20 ±3	92	2.8k		40 x 11 x 11	Blk. Oak Vinyl	Blk.	47	449.95 Each
	266c	Ctr. Ch.; Sealed	Yes	(2)6 1/2			1	Dome	75-20 ±3	90	2.8k		8 x 24 x 11	Blk. Oak Vinyl	Blk.	26	349.95 Each
	2206BpS	Surround Ch.; Vented	Yes	(2)6 1/2			(2)1	Domes	48-20 ±3	91	2.8k		13 x 6 x 7	Blk. Oak Vinyl Opt., Oak Vinyl	Opt.	27	449.95 Pair
Richter	Powered, Vented Sub.	No	10					35-150 Hz ±3	92	40-150 (Var.)		16 x 15 x 16	Blk. Oak Vinyl	Blk.	60	624.95 Each	
Richter II	Powered, Vented Sub.	No	12					35-150 Hz ±3	93	40-150 (Var.)		19 x 22 x 19	Blk. Oak Vinyl	Blk.	70	789.95 Each	
COINCIDENT SPEAKER TECHNOLOGY	Triumph	Bass Ref.	Yes	6 1/2			3/4	Dome	40-20 ±3	90	3.5k	8/7	16 x 9 x 11	Blk. Lacq.	Blk. Knit	26	799.00 Pair
	Triumph Signature	Bass Ref.	Yes	6 1/2			1	Dome	40-25 ±3	90	3k	8/7	16 x 9 x 11	Blk. Lacq.	Blk. Knit	26	999.00 Pair
	Triumph Grand	Bass Ref.	No	6 1/2			1	Dome	35-25 ±3	90	3k	8/7	37 x 9 x 11	Blk. Lacq.	Blk. Knit	50	1249.00 Pair
	Conquest	Bass Ref.	No	8			1	Dome	30-25 ±3	92	2.5k	8/7	38 x 11 x 12	Blk. Lacq.	Blk. Knit	60	1595.00 Pair
	Troubass Subwoofer	Sub.	No	10			1	Dome	22-100 Hz ±3	90	100	8/6	30 x 11 x 11	Blk. Lacq.	Blk. Knit	65	895.00 Each
	Visionary Reference	In-Wall; Enclosed	No	8			1 1/4	Dome	30-30 ±3	94	2k	8/6	40 x 11 x 16	Blk. Lacq.	None	85	6495.00 Pair
The Odyssey	In-Wall; Enclosed	No	(2)8			8	Bending Wave	30-35 ±3	92	160	8/6	47 x 13 x 16	Blk. Lacq.	None	165	9995.00 Pair	
Odyssey Sub	In-Wall; Sub.; Enclosed	No	(4)10					15-60 Hz ±1	92	60	8/6	68 x 16 x 21	Blk. Lacq.	None	240	9995.00 Pair w/Xover	
COLLETTI SPEAKER SYSTEMS	Minuscolo	Ported	Opt.	4			3/2	Horn	65-20	92	2.96k	8/	12 x 8 x 7	Opt.	Opt.	12	579.00 Pair
	Bambino	Ported	Opt.	6 1/2			3/2	Horn	50-20	92	2.96k	8/	16 x 10 x 8	Opt.	Opt.	20	829.00 Pair
	Signora	Ported	Opt.	6 1/2			3/2	Horn	50-20	92	2.96k	8/	16 x 10 x 8	Opt.	Opt.	25	899.00 Pair
	Piccolo	Ported	Opt.	6 1/2			3/2	Horn	38-20	92	2.96k	8/	19 x 12 x 10	Opt.	Opt.	30	979.00 Pair
	Grande	Ported	Opt.	8	5/4	Cone	3/2	Horn	35-20	92	155.2.96k	8/	32 x 14 x 14	Opt.	Opt.	75	2599.00 Pair
	Decimo	Ported	Opt.	10	5/4	Cone	3/2	Horn	30-20	92	155.2.96k	8/	34 x 16 x 16	Opt.	Opt.	85	2799.00 Pair
	Torre	Ported	Opt.	12	5/4	Cone	3/2	Horn	25-20	92	155.2.96k	8/	36 x 18 x 18	Opt.	Opt.	95	2999.00 Pair
	Quattro	2 Sats. & 2 Subs.	Opt.	12	5/4	Cone	3/2	Horn	25-20	92	155.2.96k	8/	Four Pieces	Opt.	Opt.	130 Sys.	2839.00 Sys.
	Ultimo	2 Sats. & 2 Subs.	Opt.	15	5/4	Cone	3/2	Horn	20-20	92	155.2.96k	8/	Four Pieces	Opt.	Opt.	165 Sys.	3099.99 Sys.
	Siciliano	4 Sats. & 4 Subs.	Opt.	15	8	Cone	3/2	Horn	20-20	92	155.2.96k	4/	Eight Pieces	Opt.	Opt.	400 Sys.	6000.00 Sys.
CONDOR ACOUSTIC DESIGN	SC-1	Ac. Sus.	No	12,8	2	Dome	1	Dome	26-30 ±3	88	50,800.5k	6/4	Four Pieces	Rswd.	Blk. Knit	400 Sys.	12,999 Sys.
	SC-3	Bass Ref.	No	12	6	Cone	1	Ribbon	35-30 ±3	96	400.5k	8/7	16 x 18 x 39	Opt.	Blk. Knit	160	4999.00 Pair
	SC-5	Ac. Sus.	No	10	5	Cone	1	Inv. Dome	38-20 ±3	88	400.4k	6/5	12 x 15 x 45	Opt.	Blk. Knit	110	3300.00 Pair
	SC-7	Bass Ref.	No	7 1/2			1	Dome	40-20 ±3	88	3k	8/6	10 x 14 x 20	Opt.	Blk. Knit	45	2000.00 Pair
SC-9	Ac. Sus.	No	6 1/2			1	Dome	55-20 ±3	87	3k	8/6	9 x 11 x 14	Opt., Wood	Blk. Knit	30	1200.00 Pair	
CROSBY AUDIO WORKS	CAW-1 (modification to Quad ESL63)	Electrostatic	No							92						58	2900.00 Pair
	CAW-3 (modification to Quad ESL63)	Electrostatic	No							97						63	3400.00 Pair
CSI/SPECO	SP-622	In-Wall	Yes	6			1	Dome			2.5k	8/	12 x 9	Wht. Metal			
	SP-822	In-Wall	Yes	8			1	Dome			2k	8/	14 x 10	Wht. Metal			
	SP-633	In-Wall	Yes	6		Cone	1	Dome			2k 4.5k	8/	12 x 9	Wht. Metal			
	SP-833	In-Wall	Yes	8		Cone	1	Dome			1.5k, 4.5k	8/	14 x 10	Wht. Metal			
	SP-800SW	In-Wall; Sub.	Yes						30-550 Hz			8/	14 x 10	Wht. Metal			
	SP-402A	In-Wall	Yes	4			1	Dome	50-20		3k	8/	8 x 6	Wht. Metal			
	SP-502A	Outdoor	Yes	5 1/4			1	Dome	50-20		3k	8/	11 x 8	Wht. Metal			
	SP-602A	In-Wall	Yes	6			1	Dome	40-20		2.5k	8/	12 x 9	Wht. Metal			
	SP-802A	In-Wall	Yes	8			1	Dome	35-20		2.2k	8/	14 x 10	Wht. Metal			
	SW-10A	Powered Sub.							40-180 Hz				10 x 13 x 12	Wht. Metal			
	SW-350	Sub.							35-240 Hz				7 x 13 x 20	Wht. Metal			
	SP-250W	Indoor/Outdoor		5 1/4			2	Dome	40-22			8/	9 x 6 x 6	Wht. Plast.			
	SP-300			5 1/4			2	Dome	40-22			8/	9 x 6 x 6	Opt., Metal			
	SP-100			3 1/2			2	Dome	50-22			8/	7 x 5 x 4				
	SP-50W	Indoor/Outdoor		3 1/2			2	Dome	50-22				7 x 5 x 4				
	SP-3C	In-Ceiling					1/2	Dome	70-20				8 Dia. x 3			2	
	SP-3C R	In-Ceiling					1/2	Dome	70-20				8 Dia. x 4	Opt., Knit		2	
	SP-6C	In-Ceiling					1/2	Dome	53-20				9 Dia. x 3			2	
SP-8C	In-Ceiling					1/2	Dome	70-20				11 Dia. x 3			4		



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
DAHLQUIST	DQ-6.2CS	Bass Ref.; Phased Array	Yes	6½			1	Dome	40-20	88		6/	9 x 15 x 13	Opt.	Blk. Knit	25	449.90 Pair
	DQ-66.2CS	Bass Ref.; Phased Array	Yes	(2)6½			1	Dome	35-20	89		6/	9 x 39 x 12	Opt.	Blk. Knit	46	849.90 Pair
	DQ-86.3CS	Bass Ref.; Phased Array	Yes	8	6½	Cone	1	Dome	30-20	90		6/	10 x 40 x 13	Opt.	Blk. Knit	57	999.90 Pair
	DQ-66.2CTR	Center Channel	Yes	(2)6½			1	Dome	55-20	89		8/	20 x 9 x 10	Opt.	Blk. Knit	25	299.90 Each
	DQ-200.SUB	Powered Sub.	No	(2)10					30-150 Hz					Opt.	Blk. Knit	48	699.90 Each
	PDQ-627	Bass Ref.; Phased Array	Yes	6½			1	Dome	40-20	89		6/	9 x 17 x 12	Blk.	Blk. Knit	21	399.90 Pair
	PDQ-827	Bass Ref.; Phased Array	Yes	8			1	Dome	35-20	90		6/	10 x 24 x 12	Blk.	Blk. Knit	29	479.90 Pair
	PDQ-637	Bass Ref.; D'Appolito	Yes	(2)6½			1	Dome	30-20	90		6/	8 x 40 x 12	Blk.	Blk. Knit	45	699.90 Pair
PQD-8307	Phased Array	Yes	8	6½	Cone	1	Dome	30-20	90		6/	10 x 40 x 12	Blk.	Blk. Knit	50	799.90 Pair	
	Powered Sub.	No	10						30-120 Hz					Blk.	Blk. Knit	45	549.90 Each
PQD-607	Bass Ref.; Phased Array	Yes	6½			¾	Dome	40-20	89		6/	18 x 18 x 18 10 x 24 x 12	Blk. Blk.	Blk. Knit Blk. Knit	45	299.90 Pair	
DANIELS AUDIO	Mud Puppy	Sealed; Phase Coherent	No	8					24-20			4/3.2	48 x 11 x 15	Opt.	None	112	5100.00 Pair
	Guppy	Sealed; Phase Coherent	No	6½					45-20			4/3	21 x 10 x 12	Opt.	None	37	3100.00 Pair
D.A.S. AUDIO	Factor-5/5W	Tuned Port	No	5			1	Dome	75-20 ±10	90		8/5.5	9 x 6 x 6	Plast.	Opt. Metal	6	136.80 Each
	Factor-8/8W	Tuned Port	No	8			1	Dome	55-20 ±10	91		8/6.5	18 x 11 x 10	Plast.	Opt. Metal	12	251.50 Each
	Factor-12/12W	Tuned Port	No	12				Horn	45-20 ±10	94		8/7.7	23 x 16 x 12	Plast.	Opt. Metal	37	475.20 Each
D-BOX AUDIO	Sub 300	Powered Sub.	No	10					28-120 Hz	112	50-150		17 x 17 x 14	Blk. Vinyl	Blk. Knit	48	499.00 Each
	Sub 500	Powered Sub.	No	12					20-150 Hz	112	50-150		17 x 15 x 17	Blk. Vinyl	Blk. Knit	60	699.00 Each
Mamouth	Sub.	No	18					20-100 Hz				30 x 32 x 15	Wood Ven.	Blk. Knit	300	6999.00 Each	
PML100	Multimedia; Powered	Yes	4			½	Dome	+0,-1 80-25 ±4.5				9 x 5 x 5	Blk. Alum.	Blk.	6	699.00 Pair	
DCM	TimeWindow Seven	Staggered Trans. Line	No	(2)9	(2)6½	Cones	(3)¾	Domes	28-25 ±3	92		4/	48 x 14 x 19	Blk. Gloss	Blk. Knit	70	1599.00 Each
	TimeWindow SurroundScope	Trans. Line	Yes	(2)6½			(2)¾	Domes	35-20	92		6/	12 x 16 x 40	Blk.	Blk.	43	699.00 Each
	TimeWindow SurroundScope 2	Sealed; Powered, Vented Woofer	Yes	(2)6	(2)6	Cones	(4)¾	Domes	28-20	92		6/	44 x 17 x 13	Blk. Gloss	Blk. Knit	60	1099.00 Each
	TimeFrame Tfv. 10.0	Tripolar Trans. Line; Ported	Yes	10	6	Cone	(3)½	Domes	25-20	95		6/	48 x 12 x 17	Blk. Gloss	Blk. Knit	55	599.00 Each
	TimeFrame Tfv. 8.0	Tripolar Trans. Line; Ported	Yes	8	6	Cone	(3)¾	Domes	30-20	95		6/	45 x 10 x 15	Blk. Gloss	Blk. Knit	45	499.00 Each
	TimeFrame Tfv. 6.0	Tripolar Trans. Line; Ported	Yes	6	6	Cone	(3)¾	Domes	35-20	94		6/	42 x 9 x 13	Blk. Gloss	Blk. Knit	40	399.00 Each
	SurroundScope Center Channel	Ctr. Ch.; Ac. Sus.	Yes	6			¾	Dome	50-20	92		6/	8 x 23 x 8	Blk.	Blk. Knit	15	279.00 Each
	Monitor CX-Center	Ctr. Ch.; Ac. Sus.	Yes	(2)4			¾	Dome	90-20	89		8/	17 x 5 x 10	Blk.	Gray	9	139.00 Each
	Monitor CX-007	Ac. Sus.	Yes	4			¾	Dome	90-20	88		8/	6 x 8 x 5	Opt. Blk.	Opt. Blk. Knit	3	74.00 Each
	CX-11	Modified Trans. Line; Ported	Yes	6			¾	Dome	50-20	93		8/	16 x 8 x 8	Blk.	Blk. Knit	11	139.00 Each
	CX-21	Modified Trans. Line; Ported	Yes	6			¾	Dome	45-20	93		8/	16 x 10 x 10	Blk.	Blk. Knit	15	174.50 Each
	CX-31	Modified Trans. Line; Ported	Yes	6	6	Cone	¾	Dome	35-20	93		6/	32 x 10 x 10	Blk.	Blk. Knit	28	249.50 Each
	KX-7 Series Two	Modified Trans. Line	Yes	8			¾	Horn	45-20	95		8/	11 x 19 x 11	Blk.	Blk. Knit	21	199.00 Each
	KX-10 Series Two	Modified Trans. Line	Yes	10	6½	Cone	¾	Horn	30-20	98		8/	12 x 14 x 29	Blk. Textured	Blk. Knit	39	249.00 Each
	KX-12 Series Two	Modified Trans. Line	Yes	12	6½	Cone	¾	Horn	26-20	99		8/	14 x 16 x 33	Blk. Textured	Blk.	50	299.00 Each
	KX-6 Series Two	Ac. Sus.	Yes	6½			¾	Horn	60-20	94		8/	13 x 9 x 9	Blk. Textured	Blk.	10	129.00 Each
KX Center Series Two	Ctr. Ch.; Ac. Sus.	Yes	(2)6½			¾	Horn	50-20	97		8/	8 x 22 x 9	Blk. Textured	Blk. Knit	15	199.00 Each	
KX Sub 1 Series Two	Modified Bandpass Sub.	Yes	10					35-150 Hz			8/	15 x 15 x 15	Blk. Textured	Blk.	37	349.00 Each	
Sub 712	Powered Sub.	Yes	8					28-80 Hz		75			Blk. Textured	Blk.		699.00 Each	
Sub 710 ii	Powered Sub.	Yes	(2)6½					32-120 Hz		100			Blk. Textured	Blk.	25	399.00 Each	
Cine-Magic Six	4 Sats., Ctr. Ch. & Powered Sub.	Yes	(2)6½	(6)4	Cones	(5)¾	Domes	32-20	89	100,3k	8/	9 x 14 x 19 Six Pieces	Blk. Blk.	Blk. Blk.	54	799.00 Sys.	
DEFINITIVE TECHNOLOGY	Pro Cinema 100.3	Sats. & Sub.	Yes	10	5¼	Cone	1	Dome	19-30	90	100,3.5k	8/4	Three Pieces	Opt.	Knit	55	799.00 Sys.
	Pro Cinema 100.4	Sats., Ctr. Ch. & Sub.	Yes	10	5¼,4½	Cones	1	Dome	19-30	90	100,3.5k	8/4	Four Pieces	Opt.	Knit	68	998.00 Sys.
	Pro Cinema 100.6	4 Sats., Ctr. Ch. & Sub.	Yes	10	5¼,4½	Cones	1	Dome	19-30	90	100,3.5k	8/4	Six Pieces	Opt.	Knit	90	1348.00 Sys.
	Pro Monitor 100	Sealed Sat.	Yes	5¼			1	Dome	50-30	90	3.5k	8/4	10 x 6 x 6	Opt.	Knit	11	175.00 Each
	Pro Center 100	Ctr. Ch.; Sealed	Yes	(2)4¾			1	Dome	50-30	90	3.5k	8/4	15 x 5 x 6	Opt.	Knit	13	199.00 Each
Pro Sub 100	Powered Trans. Line Sub.	No	10					19-150 Hz	93			14 x 11 x 17	Opt.	Knit	33	449.00 Each	
(Continued)	BP30	Bipolar; Trans. Line	No	(4)6½	6½	Cone	(2)1	Domes	18-30	91		8/4	9 x 15 x 46	Blk. Gloss	Blk. Knit	70	699.00 Each
	BP2000 Home Theater System	Powered Bass Section	Yes	(2)15			1	Dome	15-30	91	80,3k	8/3	Five Pieces	Opt.	Blk. Knit	319	4446.00 Sys.



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## “one of the most versatile products in the history of home theater”

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## M&K Tripole™

the needs of any program material or room. You can even alternate between modes with a remote switch!

Using M&K's exclusive Phase-Focused crossover (designed for 5.1 multichannel's unique requirements), the Tripole produces true uniformity of surround channel sound throughout the room, due to its extremely coherent response over a wide and tall listening window.

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Find out why M&K is consistently rated number one in head-to-head competition and is rapidly becoming the standard for professional multichannel sound recording.

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Winner of an *Audio Video Interiors* Excellence In Design award, the revolutionary SS-150THX Tripole is the ideal surround channel speaker for any system. Designed for 5.1 multichannel Dolby Digital and DTS, this THX surround speaker is also superb for Pro-Logic and surround music modes. Dozens of pro studios use it to mix multichannel sound.

Its groundbreaking Tripole mode combines the diffused, spacious sound of dipole speakers with the immediacy and imaging of the best direct radiators—for an unprecedented consistency of sound in the surround channels. It delivers good imaging and spatiality to every listener, regardless of room location.

How does it work? It operates as two separate speakers: one a point source direct radiator with a 5 1/4" woofer and 1" tweeter, and the other a dipole with two 3 1/4" poly mid-tweeters. It has two main user-selectable modes: THX dipole or Tripole, plus six custom modes to suit

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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
DEFINITIVE TECHNOLOGY (Continued)	BP2002 Home Theater System BP2000	Powered Bass Section	Yes	(2)12	5 1/4	Cone	1	Dome	17-30	92	120,3k	8/3	Five Pieces	Opt.	Blk. Knit	202 Sys.	3297.00 Sys.
	CLR2000	Bipolar, Powered Bass Section Ctr. Ch.	No	15	(4)6 1/2	Cones	(2)1	Domes	15-30	91	80,3k	8/4	9 x 50 x 17	Opt.	Blk. Knit	120	From 1499.00 Each
	BP2000	Bipolar, Powered Bass Section Ctr. Ch.	Yes	(2)6 1/2	(2)5 1/4	Cones	1	Dome	22-30	90	3k	8/4	22 x 9 x 15	Blk. Lacq.	Blk. Knit	43	650.00 Each
	BP2000	Bipolar, Powered Bass Section Ctr. Ch.	No	(2)6 1/2	(2)5 1/4	Cones	(2)1	Domes	17-30	92	120,3k	8/4	7 x 43 x 15	Opt.	Blk. Knit	68	999.00 Each
	CLR2002 BPX	Bipolar Surround	Yes	(2)5 1/4			1	Dome	30-30	90	3k	8/4	22 x 9 x 15	Opt.	Blk. Knit	30	499.00 Each
	BPX	Bipolar Surround	No	(4)5 1/4			(2)1	Domes	35-30	90	4k	8/4	18 x 10 x 7	Opt.	Opt.	18	From 399.00 Each
	BP10B	Bipolar, Trans. Line	No	(2)6 1/2			(2)1	Domes	20-30	90	2.5k	8/4	8 x 13 x 42	Opt.	Blk. Knit	55	550.00 Each
	BP88	Bipolar, Trans. Line	No	(2)5 1/4			(2)1	Domes	22-30	90	3.5k	8/4	7 x 11 x 38	Opt.	Blk. Knit	38	399.00 Each
	BP68	Bipolar, Trans. Line	No	(2)5 1/4			(2)1	Domes	25-30	90	3k	8/4	7 x 11 x 35	Matte Blk.	Blk. Knit	42	299.00 Each
	DR7 Bookshelf	Trans. Line	No	6 1/2			1	Dome	26-28	90	2.6k	8/4	8 x 11 x 22	Blk.	Blk. Knit	28	249.00 Each
	Celsius DR	Trans. Line	No	5 1/4			1	Dome	40-28	90	3.5k	8/4	7 x 12 x 11	Blk.	Blk. Knit	18	185.00 Each
	Celsius Sub Sat	Sats. & Powered Sub.	No	15	5 1/4	Cone	1	Dome	18-28	90	80,3.5k	8/4	Three Pieces	Blk.	Blk. Knit	98	1069.00 Sys.
	Celsius Home Theater BP1X	5 Sats. & Powered Sub.	Yes	15	5 1/4	Cone	1	Dome	18-28	90	80,3.5k	8/4	Six Pieces	Blk.	Blk. Knit	134 Sys.	1618.00 Sys.
	BP1X	Bipolar Surround Sat.	No	(2)4 1/2			(2)3/4	Domes	60-25	90	3.5k	8/4	10 x 9 x 5	Opt.	Opt., Knit	9	175.00 Each
	BP2X	Bipolar Surround Sat.	No	(2)5 1/4			(2)1	Domes	50-30	90	3.5k	8/4	14 x 9 x 5	Opt.	Opt., Knit	10	250.00 Each
	C1jr	Ctr. Ch.	Yes	5 1/4			1	Dome	50-30	90	3.5k	8/4	7 x 17 x 9	Blk.	Blk. Knit	18	199.00 Each
	C1B	Ctr. Ch.	Yes	(2)5 1/4			1	Dome	45-30	90	3.5k	8/4	19 x 6 x 8	Blk.	Blk. Knit	21	299.00 Each
	CLR1000B	Main or Ctr. Ch.	Yes	(2)6 1/2			1	Dome	25-30	90	2.6k	8/4	8 x 12 x 22	Blk.	Blk. Knit	32	450.00 Each
	PowerField 12	Powered Sub.	No	(2)6 1/2			1	Dome	17-150 Hz	93	Var.	8/4	14 x 14 x 17	Blk. Ash	Blk. Knit	38	549.00 Each
	PowerField 15	Powered Sub.	No	15					18-125 Hz	93	Var.		17 x 17 x 18	Vinyl Blk.	Blk. Knit	62	699.00 Each
PowerField 18	Powered Trans. Line Sub.	No	18					13-150 Hz	93	Var.		20 x 19 x 18	Blk.	Blk. Knit	100	999.00 Each	
PowerField 1500	Powered Sub.	No	15					15-150 Hz	93	Var.		18 x 18 x 20	Opt.	Blk. Knit	90	995.00 Each	
PowerField 1800	Powered Sub.	No	18					13-125 Hz	93	Var.		20 x 20 x 22	Opt.	Blk. Knit	109	1599.00 Each	
UIW65	In-Wall; Inf. Bar.	No	6 1/2			1	Dome	28-30	91	3k	8/6	8 x 11	Wht. Metal	Wht. Metal		429.00 Pair	
UIW55	In-Wall; Inf. Bar.	No	5 1/4			1	Dome	35-30	91	3k	8/6	7 x 10	Wht.	Wht. Metal		299.00 Pair	
UIW64	In-Wall	No	6 1/2			1	Dome	28-30	91	3k	8/6	9 Dia.	Wht.	Wht. Metal		349.00 Pair	
UIW63	In-Wall	No	6 1/2			1/2	Dome	30-25	91	3k	8/6	9 Dia.	Wht.	Wht. Metal		229.00 Pair	
UIW BP	In-Wall; Bipolar	No	(2)5 1/4			(2)1	Domes	28-30	91	3k	8/6	7 x 13	Wht.	Wht. Metal		499.00 Pair	
DENNESEN ELECTROSTATICS	Serenus	Hybrid Electrostatic		8	6 1/2	Cone	(4)3 1/2	ES	30-35	89	200,3k	8/5	Four Pieces	Opt.	Blk. Foam	160 Sys.	From 2500.00 Sys.
	Ample I	Hybrid Electrostatic		5			(4)3 1/2	ES	75-35	89	3k	8/5	24 x 7 x 10	Opt.	Blk. Foam	25	1700.00 Pair
DENON	DSW-20	Powered Sub.	No	8					45-180 Hz				14 x 13 x 14	Gray Vinyl		29	269.00 Each
	DSW-30	Powered Sub.	Yes	8					40-180 Hz				14 x 13 x 14	Gray Vinyl		30	349.00 Each
	DSW-40	Powered Sub.	Yes	8					35-190 Hz				15 x 14 x 14	Gray Vinyl		37	449.00 Each
	DSW-50	Powered Sub.	Yes	10					30-190 Hz				16 x 13 x 18	Gray Vinyl		45	499.00 Each
DGX AUDIO	DDL-1	Powered Bass Ref.		12	2	Dome	1	Dome	20-20 ±3	91	2.3k,6.8k	8/4	16 x 11 x 40	Opt.	Blk. Knit	68	1995.00 Pair w/DDA-1 Amp/Prccsr.
DIABLO ACOUSTICS	1 Reference	Sealed	No	(2)11	2	Dome	1	Dome	21-30	89		4/	50 x 30 x 14	Opt.	Blk. Knit	400	25,000 Pair
	2	Sealed	No	(2)8	2	Dome	1	Dome	34-26	88		4/	45 x 22 x 11	Opt.	Blk. Knit	200	10,000 Pair
	3	Sealed	No	8	2	Dome	1	Dome	36-26	87		8/	40 x 19 x 11	Opt.	Blk. Knit	150	7000.00 Pair
	5	Sealed	No	8			1	Dome	36-26	87		8/	36 x 17 x 11	Opt.	Blk. Knit	100	3600.00 Pair
	6	Sealed	No	7			1	Dome	40-26	87		8/	18 x 11 x 9	Opt.	Blk. Knit	60	2500.00 Pair
DIAPASON	Adamantes Limited Edition	Ported	No	6 1/2			3/4	Dome	30-20	93	2.5k	6/4		Lacq. Wal.	Blk. Metal	30	7998.00 Pair
	Adamantes II	Ported	No	6 1/2			3/4	Dome	34-20	91	2.5k	6/3,8		Ash	Blk. Knit	30	3998.00 Pair
	Prelude II	Ported	No	5 1/2			3/4	Dome	40-20	90	2.5k	6/6		Ash	Blk. Knit	19	1898.00 Pair
	Prelude VS	Ported	Yes	5 1/2			3/4	Dome	40-20	90	2.5k	6/6		Opt.	Blk. Metal	19	1949.00 Pair
	Micra II	Ported	No	4 1/2			3/4	Dome	50-20	88	2.5k	6/6		Ash	Blk. Knit	12	1298.00 Pair
	Micra VS Centro	Ctr. Ch.	Yes	4 1/2	(2)4 1/2		3/4	Dome	50-20	88	2.5k	6/6		Opt.	Metal	12	1349.00 Pair
Yes			(2)4 1/2			3/4	Dome	45-20	90	2.5k	6/6		Opt.	Metal	15	949.00 Each	
DUNLAVY AUDIO LABS	SC-I/AV	SDA (Symmetrical Driver Array); Sealed	Yes	(2)5 1/2			1	Dome	65-20 ±1.5	91		6/4	20 x 8 x 10	Opt., Oak	Blk. Knit	25	750.00 Each
	SC-I	SDA; Sealed	No	(2)5 1/2			1	Dome	75-20 ±1.5	91		6/4	20 x 8 x 10	Opt., Oak	Blk. Knit	22	1195.00 Pair
	SC-II	SDA; Sealed	No	(2)6 1/2			1	Dome	55-20 ±1.5	91		6/4	65 x 8 x 10	Opt., Oak	Blk. Knit	60	2495.00 Pair
	SC-III	SDA; Sealed	No	(2)7	(2)5 1/2	Cones	1	Dome	45-20 ±1.5	91		6/4	72 x 9 x 12	Opt., Oak	Blk. Knit	80	3995.00 Pair
	SC-IV	SDA; Sealed	No	(2)10	(2)5 1/2	Cones	1	Dome	35-20 ±1.5	91		6/3,5	72 x 12 x 18	Opt., Oak	Blk. Knit	180	5995.00 Pair
	SC-V	SDA; Sealed	No	(2)12, (2)3	(2)3	Cones	1	Dome	25-20 ±1.5	91		4/3	75 x 15 x 27	Opt., Oak	Blk. Knit	330	11,995 Pair
	SC-VI	SDA; Sealed	No	(2)6 1/2, (2)8	(2)5 1/2	Cones	1	Dome	18-20 ±1.5	91		4/3	78 x 18 x 33	Opt., Oak	Blk. Knit	550	24,995 Pair
DYNACO	A-10/Type II			4			3/4	Dome	90-7	90			9 x 5 x 5	Blk. Oak Ven.	Blk. Knit	5	120.00 Pair
	HLX-18			4			3/4	Dome	50-21	90	3k	4/6	9 x 17 x 13	Lacq.	Blk. Knit		260.00 Pair
	HLX-18V			4			3/4	Dome	50-21	90	3k		9 x 17 x 13	Lacq.	Blk. Knit		140.00 Each
	A-25 Classic	Aperiodic In-Wall		10 1/2			1	Dome	45-21	89	2.5k	8/	21 x 12 x 10	Wal. Ven.	Blk.	29	758.00 Pair
	FL-650	In-Wall		6 1/2			1	Dome	58-20	91	2.5k	8/	12 x 9 x 4	Matte Wht.	Wht. Cloth	4	300.00 Pair
AW-1	Indoor/Outdoor						Dome	58-20	90	2.5k	8/	5 x 7 x 5	Alum.	Opt.	4	100.00 Pair	
DYNAUDIO	Audience Center	Ctr. Ch.; Ac. Sus.	Yes	5 1/4			1 1/4	Dome	75-21 ±3	87	2.6k	6/	23 x 7 x 13	Blk. Ash Vinyl	Blk. Knit	25	699.00 Each
	Audience 5	Bass Ref.	Yes	7			1 1/4	Dome	50-20 ±3	87	5k	4/	8 x 12 x 10	Blk. Ash Vinyl	Blk. Knit	12	699.00 Pair
	Audience 7	Bass Ref.	Yes	9 1/2			1 1/4	Dome	37-28 ±3	87	2k	4/	11 x 17 x 13	Blk. Ash Vinyl	Blk. Knit	25	1099.00 Pair
	Audience 8	Bass Ref.	Yes	(2)7			1 1/4	Dome	36-24 ±3	88	3.6k	4/	8 x 36 x 10	Blk. Ash Vinyl	Blk. Knit	35	1499.00 Pair



# “The M&K S-150 THX surround-speaker system sets the performance standard for the \$5,000 region”

Wes Phillips, *Stereophile Guide to Home Theater, Spring 1997*



And *AV Shopper* said, “This M&K lineup will give many more expensive THX systems a serious run for their money...[it is] the best low-priced THX certified speaker array I've heard yet.”

Since 1974, M&K has been at the leading edge of high-performance audio. Numerous technology leaders in the audio and video fields use M&K speakers for developmental work and for critical industry demonstrations.

The new 150 THX system, designed for the playback of Dolby Digital AC-3 and DTS sources, has become a new professional standard, and is currently used in dozens of recording studios,

Hollywood postproduction facilities, and DVD authoring suites.

For under \$4,500, you can now own this Home THX system, including the reference-quality S-150THX front and center speakers; the award-winning “Tripole” surround—with its exclusive combination of enveloping sound and imaging; and the articulate room-shaking deep bass of the extraordinary MX-150THX powered subwoofer.



MX-150THX powered subwoofer  
“an excellent subwoofer”  
*Audio* magazine



Tripole SS-150THX  
1996 *Audio Video Interiors*  
Excellence in Design award



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# LOUDSPEAKERS

MANUFACTURER	Model	Application Design Principle Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Acoustic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
DYNAUDIO (Continued)	Audience 9	Bass Ref.	Yes	(2)10	5/4	Cone	1 1/4	Dome	30-22 ±3	89	600,2.7k	4/	11 x 43 x 13	Blk. Ash Vinyl	Blk. Knit	62	2499.00 Pair
	Contour Center	Ctr. Ch., Variovent	Yes	(2)5 3/4			1 1/4	Dome	75-21 ±3	87	2.6k	6/	23 x 7 x 13	Opt., Wood	Blk. Knit	25	1499.00 Each
	Contour 1.1	Bass Ref.	Yes	7			1 1/4	Dome	47-30 ±3	85	1.9k	4/	7 x 13 x 11	Opt., Wood	Blk. Knit	15	1599.00 Pair
	Contour 1.3	Bass Ref.	Yes	(2)7			1 1/4	Dome	45-22 ±3	85	2k	4/	8 x 15 x 12	Opt., Wood	Blk. Knit	19	2099.00 Pair
	Contour 1.8 mkII	Bass Ref.	Yes	(2)7			1 1/4	Dome	28-30 ±3	88	2.6k	4/	8 x 38 x 12	Opt., Wood	Blk. Knit	42	3199.00 Pair
	Contour 2.8	BLR	Yes	(2)8	5/4	Cone	1 1/4	Dome	32-21 ±3	86	1.65k	4/	9 x 41 x 13	Opt., Wood	Blk. Knit	55	5599.00 Pair
	Contour 3.3	Bass Ref.	Yes	(2)8			1 1/4	Dome	26-24 ±3	89	350,2.3k	4/	9 x 47 x 14	Opt., Wood	Blk. Knit	80	6999.00 Pair
Confidence 3	Bass Ref.	Yes	(2)8			1 1/4	Dome	35-28 ±3	86	2.6k	4/	9 x 19 x 13	Opt., Wood	Blk. Knit	38	7999.00 Pair	
Confidence 5	Bandpass Compound		8.7	2	Dome	1 1/4	Dome	43-21 ±3	85	1.08k,4k	4/	8 x 47 x 15	Opt., Wood	Blk. Knit	90	9999.00 Pair	
Consequence	Variovent		(2)12, 7	2	Dome	1 1/4, 3/4	Domes			800,1.4k, 2.7k,15k	4/	16 x 50 x 24	Opt., Wood	Blk. Knit	181	24,999.00 Pair	
DZURKO ACOUSTICS	VLS System 1	Line Source	No	(2)12			72x1 1/4	Planar Mag	16-20 ±3	85	125	6/5/6	Three Pieces	Opt.	Blk.	820 Sys.	25,000 Sys.
	Shadow LE Jaguar	Aperiodic 4th Order	No	(2)8 1/2	(2)5	Cones	1	Mag Dome	20-20 ±3	91	200,3.5k	4/3/5	49 x 10 x 17	Opt.	Blk.	180	12,500 Pair
EAGLE	Audience	Powered, Biamped Sat.	Yes	6 1/2		Cone	3/4	Dome	75-21 ±3	93	2.4k		9 x 11 x 6	Opt., Oak	Blk.	15	800.00 Pair
	Audience Sub	Powered, Pas. Rad. Sub.	Yes	10					30-200 Hz ±3	93	100		12 x 24 x 12	Opt., Oak	Blk.	40	600.00 Each
	Podium	Powered		18	6 1/2, 3 1/2	Cones	7/8	Dome	15-25 ±2	90	120,250, 2.5k	4/	Eight Pieces	Opt.	Opt.	728 Sys.	85,000 Sys.
	Stage Sub	Powered, Pas. Rad. Sub.		12					25-200 Hz ±1	93	60		25 x 16 x 14	Opt.	Blk.	55	2500.00 Each
	Stage Satellite	Biamped, Pas. Rad. Sat.		6 1/2			7/8	Dome	40-18 ±1.5	89	1.9k		16 x 11 x 14	Opt.	Blk.	23	5000.00 Pair
EDGARHORN	System 50	Horn	No	12		Horn	1	Horn	50-20 ±5	107	500	8/6	65 x 39 x 36	Wal.		150	9000.00 Pair
	System 70	Horn	No	8	5	Horn	1/2	Horn	70-20 ±5	100	500,3k	8/6	41 x 22 x 18	Wal.		100	1800.00 Pair
	System 80	Horn	No	5	5	Horn	3/4	Horn	80-20 ±5	100	500,3k	8/6	40 x 19 x 18	Wal.	Blk. Knit	100	1200.00 Pair
	35 Horn Sub	Horn Sub.	No	18					35-200 Hz ±5	105		8/6	72 x 31 x 28	Wal.		200	3000.00 Each
E.F.A.	3	Bass Ref.	No	10	4	Cone	7/8	Dome	30-30 ±3	88	250,4k	8/4	40 x 11 x 11	Blk. Oak	Blk. Knit	75	3895.00 Pair
EMERSON	HS5410	Powered Sat.	Yes	4			2	Dome	30-20			4/	5 x 9 x 5	Blk.	Blk. Metal	5	139.95 Pair
	HS5419	Sats. & Sub.	Yes	3		Cone	1 1/4	Dome	40-20			8/	5 x 8 x 5	Blk.	Blk. Metal	3	71.99 Pair
	HS5402		Yes	(2)5 1/2	3/4		1 1/4	Dome	36-20			4/ & 8/	Three Pieces	Blk.	Blk. Metal	21	199.95 Sys.
	HS5407	Surround	No	4	2	Cone	1	Dome				6/	8 x 5 x 4	Opt.	Opt., Metal	3	59.95 Pair
	HS5418		Yes	(2)5 1/4				Domes				8/	Six Pieces			37	324.95 Sys.
	HS5412		No									8/	Three Pieces	Wood Vinyl	Blk.	12	71.99 Sys.
	HS5415		No	6 1/2	4 3/4		2	Dome				8/	Five Pieces	Wood Vinyl	Blk.	25	189.95 Sys.
HS5416		No	(2)5 1/4	(8)4		(2)2	Domes				8/4	Six Pieces	Wood Vinyl	Blk.	32	259.95 Sys.	
HS5409		No					Dome				8/		Matte Blk. Metal	Blk. Blk.	41	99.95 Each	
559		No		2	Cone		Piezo				8/			Blk.	Blk.	36	69.99 Pair
EMINENT TECHNOLOGY	LFT-VI	Planar Mag.	No	321 Sq. In.	94 Sq. In.	Planar Mag.	10	Planar Mag.	38-20 ±4	83	400,10k	6/4	78 x 18 x 2	Oiled Oak	Blk. Poly	90	3250.00 Pair
	LFT-VIII	Planar Mag. Hybrid	No	8	160 Sq. In.	Planar Mag.	5	Planar Mag.	36-20 ±4	84	180,10k	8/6	60 x 13 x 18	Oiled Oak	Blk. Poly	60	1500.00 Pair
	LFT-11	Desktop Sats. & Sub.; Planar Hybrid	Yes	(2)6 1/2		Planar Mag.	5x7	Planar	35-25 ±4	86	200	8/6	Three Pieces	Oiled Oak	Blk.	35	599.00 Sys.; w/Amp, 699
	LFT-12	Ctr. Ch.; Planar	Yes	7x20		Planar	5x7	Planar	90-20 ±4	85			26 x 5 x 10	Oiled Oak	Blk.	20	899.00 Each
ENERGY	Tempest	Indoor/Outdoor, Sealed	No	5 1/2			1	Dome	55-20 ±3	89	2.2k	8/	12 x 9 x 6	Opt.	Opt., Knit		300.00 Pair
	Take 1	Ctr. Ch., Sealed	Yes	3 1/2			3/4	Dome	100-20 ±3	89	2.8k	8/	4 x 11 x 5	Blk. Gloss	Blk. Knit		100.00 Each
	Take 2	Sealed	Yes	3 1/2			3/4	Dome	125-20 ±3	88	2.8k	8/	7 x 4 x 5	Blk. Gloss	Blk. Knit		150.00 Pair
	Take 5/ES-8	5 Sats. & Powered Sub.	Yes										Six Pieces				800.00 Sys.
	PRO 4.5	Vented	No	(2)5 1/2			1	Dome	39-20 ±3	89	2k	8/4.5	32 x 8 x 11	Blk. Ash	Blk.	31	550.00 Pair
	PRO 3.5	Vented	No	6 1/2			1	Dome	45-20 ±3	88	2k	8/4.5	16 x 9 x 10	Blk. Ash	Blk.	17	350.00 Pair
	PRO 2.5	Vented	No	6 1/2			3/4	Dome	48-20 ±3	88	2.3k	8/4.5	14 x 9 x 10	Blk. Ash	Blk.	11	250.00 Pair
	PRO 1.5	Vented	No	5 1/2			3/4	Dome	52-20 ±3	87	2.3k	8/4.5	12 x 8 x 8	Blk. Ash	Blk.	10	220.00 Pair
	PRO 5	Vented	No	5 1/4			1/2	Dome	60-20 ±3	86.5	3k	8/4.5	11 x 7 x 8	Blk. Ash	Blk.	9	160.00 Pair
	C-8	Vented	No	(2)8			1	Dome	28-25 ±3	90	1.8k	8/4.5	39 x 10 x 16	Blk. Gloss	Blk.	64	1500.00 Pair
	C-6	Vented	No	(2)6 1/2			1	Dome	30-25 ±3	89	1.8k	8/4.5	36 x 10 x 15	Blk. Gloss	Blk.	55	1200.00 Pair
	C-4	Vented	No	8			1	Dome	35-25 ±3	88	1.8k	8/4.5	33 x 10 x 12	Blk. Gloss	Blk.	43	900.00 Pair
	C-2	Vented	No	6 1/2			1	Dome	40-25 ±3	88	1.8k	8/4.5	18 x 10 x 10	Blk. Gloss	Blk.	38	600.00 Pair
	C-1	Vented	No	5 1/2			1	Dome	52-22 ±3	88	1.8k	8/		Blk. Gloss	Blk. Knit		500.00 Pair
	ES-8N	Powered Sub.	No	8					37-150 Hz ±3					Blk.	Blk. Knit		300.00 Each
	ES-10N	Powered Sub.	No	10					28-150 Hz ±3					Blk.	Blk. Knit		350.00 Each
	ES-12N	Powered Sub.	No	12					22-150 Hz ±3					Blk.	Blk. Knit		500.00 Each
	ES-18XL	Powered Sub.	No	18					16-100 Hz ±3					Blk. Gloss	Blk. Knit		1600.00 Each
	ES-15XL	Powered Sub.	No	15					17-100 Hz ±3					Blk. Gloss	Blk.		1300.00 Each
	ES-12XL	Powered Sub.	No	12					18-100 Hz ±3					Blk. Gloss	Blk.		800.00 Each
	EC-100	Ctr. Ch.	Yes	(2)4 1/2			3/4	Dome	60-20 ±3	87	2.5k	8/8	6 x 19 x 9	Blk. Ash	Blk. Knit	15	200.00 Each
EC-200	Ctr. Ch.	Yes	(2)5 1/2			1	Dome	45-22 ±3	89	2k	8/4	7 x 22 x 11	Blk. Ash	Blk. Knit	20	329.00 Each	
AC-300	Ctr. Ch.; Vented	Yes	(2)5 1/2			1	Dome	47-22 ±3	88	2.2k	6/4	7 x 19 x 12	Blk. Gloss	Blk. Knit		500.00 Each	
AC-400	Ctr. Ch.; Vented	Yes	(2)5 1/2			1	Dome	37-22 ±3	91	1.8k	8/	7 x 24 x 15	Blk. Gloss	Blk. Knit		800.00 Each	
EFX	Surround Ch.	No	5 1/2			(2)2 1/2	Cones	120-20 ±3	86	1k	8/4	10 x 10 x 5	Matte Blk.	Blk. Knit		400.00 Pair	
RVS	Main or Ctr. Ch.	Yes	(2)5 1/4			1	Dome	45-23 ±3	86	2k	4/	8 x 19 x 12	Blk. Gloss	Blk.	12	400.00 Each	

(Continued)



# S-125

"The home-theater  
speaker system to  
beat for under  
\$4,000" *Home Theater*



"It utterly blows away most of what passes for "high-end" loudspeakers on the market at any price." —Corey Greenberg, *Home Theater* magazine

Designed for Dolby Digital and DTS multichannel formats, the S-125, 5.1 multichannel Digital Monitor speaker system is one of the best buys in high-end home theater—bringing dynamic impact and excitement to film soundtracks and a warm natural quality to music sources.

Along with complete systems, M&K lets you choose from the industry's

largest selection of powered subwoofers, plus several center-channel and surround speakers—including M&K's exclusive SS-150THX "Tripole."

The final word from *Home Theater*: "We guarantee you, there is no movie theater on the face of this earth that sounds as good as the M&K S-125 system driven by a good front end..."

Docking Module stands shown in the photo are optional.



MILLER & KREISEL  
SOUND CORPORATION

10391 Jefferson Boulevard  
Culver City, California 90232  
(310) 202-2854, Fax: (310) 202-8782  
<http://www.mksound.com>

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
ENERGY (Continued)	RVSS Veritas V2.8	Vented Dipole Vented	No	(2)5¼		Hybrid Dome	(2)¾	Domes Hybrid Dome	65-18 ±3	86	2.5k	6/4	11 x 10 x 9	Opt. Gray Gloss	Opt. Blk.	15	550.00 Pair
	Veritas V1.8	Vented	No	8	3	Hybrid Dome	1	Domes Hybrid Dome	29-30 ±3	85	350,2.2k	6/4	6 x 19 x 8	Gray Gloss	Blk.	120	6000.00 Pair
	Veritas V1.2	Sealed In-Wall	No	6½		1	1	Domes Dome	38-25 ±3	88	1.8k	8/		Blk. Gloss Wht.	Blk. Knit Wht. Metal		1800.00 Pair
	EASS 5	In-Wall	No	6½		1	1	Domes Dome	45-22	87	2k	8/	9 x 13 x 3	Blk. Gloss Wht.	Blk. Knit Wht. Metal		400.00 Pair
	Audissey APS 5+2	Bipolar, Vented; Powered Woofer	No	5¼	(3)5½	Cones	½	Domes Domes	60-20	86	3.5k	8/6	7 x 7 x 3	Blk. Gloss	Blk. Knit	98	250.00 Pair
	A 5+2	Bipolar, Vented	No	(2)8	(3)5½	Cones	(2)1	Domes Domes	18-25 ±3	93		6/	46 x 9 x 16	Blk. Gloss	Blk. Knit		2500.00 Pair
A 3+2	Bipolar, Vented	No	(3)5½			(2)1	Domes Domes	25-25 ±3	93		6/	41 x 8 x 13	Blk. Gloss	Blk. Knit	72	1600.00 Pair	
A 2+2	Bipolar, Vented	No	(2)5½			(2)1	Domes Domes	30-25 ±3	91		6/	41 x 8 x 13	Blk. Gloss	Blk. Knit	55	1200.00 Pair	
			No	(2)5½			(2)1	Domes Domes	35-25 ±3	90		6/	36 x 8 x 11	Blk. Gloss	Blk. Knit	46	900.00 Pair
ENSEMBLE	Animata Animundo	Pas. Rad. & Tuned Port	No	5¾		Cone	¾	Dome Dome	60-20 ±3	89	2.2k	6/4	14 x 9 x 8	Opt., Wood Blk.	Blk. Knit Blk. Knit	18	3480.00 Pair
	Profundo Silver PA-1 Silver	Pas. Rad. & Tuned Port Sub.	No	7			¾	Dome	38-20 ±3	89	2.0k	8/4	41 x 12 x 9	Satin Blk.	Blk. Knit Blk. Knit	53	7995.00 Pair
	Reference Silver	Pas. Rad.	No	5¾			¾	Dome	60-20 ±2.5	89	2.5k	6/3.6	26 x 12 x 9	Satin Blk.	Blk. Knit Blk. Knit	35	5195.00 Pair
	Elysia	Pas. Rad.	No	5¾			¾	Dome	60-20 ±2	90	2.5k	4/3.7	14 x 9 x 8	Satin Blk.	Blk. Knit	19	3700.00 Pair
	Primadonna Gold EC	Dual Chamber, Vented	No	5¾			¾	Dome	60-20 ±2	90	2.2k	4/2.2	14 x 9 x 8	Opt.	Blk. Knit	20	5800.00 Pair;
	Profysia	Pas. Rad., Tuned Port Bass	No	7	5¾	Dome	¾	Dome	38-20 ±3	89	200,2.2k	8/4	41 x 12 x 9	Satin Blk.	Blk. Knit	21	5990.00 Pair;
ENTEC	L2f-20T	Powered Sub.	Yes	(2)10					18-180 Hz		Adj.		36 x 12 x 18	Blk. Gloss	Charcoal Foam	60	3895.00 Each
	L2f-20	Powered Sub.	No	(2)10					18-180 Hz		Adj.		24 x 12 x 24	Blk. Gloss	Charcoal Foam	60	5995.00 Pair
	L2f-40	Powered Sub.	No	(4)10					12-180 Hz		Adj.		Four Pieces	Blk. Gloss	Charcoal Foam	240	9995.00 Sys.
	L2f-120	Powered Sub.	No	(12)10					12-180 Hz		Adj.		Twelve Pieces	Blk. Gloss	Charcoal Foam	720	25,995.00 Sys.
	1001	Powered Sub.	No	10					18-180 Hz		Adj.		18 x 12 x 24	Blk. Gloss	Charcoal Foam	50	2825.00 Each
	1002	Powered Sub.	No	(2)10					18-180 Hz		Adj.		24 x 12 x 24	Blk. Gloss	Charcoal Foam	60	3125.00 Each
90	Dynamic	No	6			1	Dome	80-20	100		8/	40 x 8 x 8	Blk. Gloss	Blk. Metal	35	4195.00 Pair	
EOSONE	RSF 1000	Dipole, Powered Woofers	No	(2)10	(2)6½	Cones	(2)¾	Domes	26-22 ±3	89	80,850, 5.2k	8/3	49 x 13 x 19	Blk. Gloss	Blk. Knit	115	1099.99 Each
	RSF 600	Dipole	No	(2)8	(2)4	Cones	¾, ½	Domes	35-22	88	650,4.8k	8/3	43 x 11 x 15	Blk. Gloss	Blk. Knit	67	499.99 Each
	RSF 400	Dipole	No	8	4	Cones	¾, ½	Domes	38-22	86	400,4.7k	8/3	41 x 11 x 15	Blk. Gloss	Blk. Knit	63	399.99 Each
	RSF 200	Dipole	No	8			¾, ½	Domes	48-22	87	3.8k	8/3	19 x 9 x 12	Blk.	Blk. Knit	21	224.95 Each
	RSC 300	Cir. Ch., Dipole	Yes	(2)5¼			¾, ½	Domes	90-22	88	4k	8/3	7 x 17 x 16	Blk.	Blk. Knit	15	279.95 Each
	RSR 350	Surround Ch.	No	6½			(2)¾	Domes	70-22 ±3	88	4k	8/3	12 x 15 x 6	Blk.	Blk. Knit	17	429.98 Pair
	RSP 912	Powered Sub.	No	12					28-150 Hz				19 x 17 x 16	Blk. Gloss	Blk. Knit	60	749.98 Each
	RSP 910	Powered Sub.	No	10					32-200 Hz				13 x 17 x 16	Blk. Knit	Blk. Knit	40	549.98 Each
	RSS 705	5 Dipole Sats. & Powered Sub.	Yes	10	(5)4	Cones	(2)½	Domes	32-20	86	100,4k	8/	Six Pieces	Opt.	Opt.	61	1099.98 Sys.
	RSS 702	Powered Sub.	Yes	10	(2)4	Cones	(2)½	Domes	32-20	86	100,4k	8/	Three Pieces	Opt.	Opt.	54	799.95 Sys.
EPOS	ES 12	Inf. Baf.	No	6			1	Dome	60-20	88		8/	15 x 8 x 10	Opt., Cherry	Blk. Foam	19	1095.00 Pair
	ES 14	Inf. Baf.	No	8			1	Dome	50-20	87		8/	12 x 11 x 14	Opt., Cherry	Blk. Foam	24	1695.00 Pair
	ES 22	Inf. Baf.	No	6	6	Cone	1	Dome	38-22	87		6/	34 x 8 x 10	Opt., Cherry	Blk. Foam	37	2495.00 Pair
	ES 30	Inf. Baf.	No	8	6	Cone	1	Dome	25-22	88		6/	35 x 9 x 14	Opt., Wood	Blk. Foam	39	3995.00 Pair
ESP	Concert Grand Harp	Inf. Baf.	No	(3)8	(2)4¼	Cones	(2)1	Domes	25-20 ±3	93	250,2.5k	6/4.5	63 x 14 x 19	Oiled Wood	Blk. Knit	250	15,000 Pair
	Bodhran	Sealed	No	(2)10	(2)6	Cones	(2)1	Domes	30-20 ±3	93	125,2k	6/4	52 x 13 x 17	Oiled Wood	Blk. Knit	150	9000.00 Pair
	Fyfe	Sealed	No	(2)8	(2)5	Cones	(2)1	Domes	40-20 ±3	96	100,2.5k	10/6	47 x 12 x 15	Oiled Wood	Blk. Knit	125	6000.00 Pair
		Sealed	No	(2)8	(2)4½	Cones	(2)1	Domes	45-20 ±3	93	125,2.5k	6/4	45 x 11 x 14	Oiled Wood	Blk. Knit	95	4500.00 Pair
ESSENCE	Gem II	Trans. Line		6½			1	Dome	38-21 ±3	89	2k	4/3.6	20 x 10 x 13	Opt., Wood	Opt., Knit	34	1695.00 Pair
	Super Gem II	Trans. Line		6½			1	Dome	34-21 ±2	89	2k	4/3.6	23 x 10 x 15	Opt., Wood	Opt., Knit	52	2850.00 Pair
	Reference Super Gem II	Trans. Line		6½			1	Dome	34-21 ±2	89	2k	4/3.6	23 x 10 x 15	Opt., Wood	Opt., Knit	54	5475.00 Pair
	Amethyst 10A	Trans. Line		10	6,1½	Cone, Dome	1,¾	Domes	24-23 ±3	89	80,1k,2k, 6.5k (Adj.)	8/6	51 x 15 x 25	Opt., Wood	Opt., Knit	240	From 19,850 Pair
Reference Subwoofer	Trans. Line Sub.		(2)13					16-100 Hz ±1	89		8/6	72 x 16 x 25	Opt., Wood	Opt., Knit	420	19,850 Pair	
ETHERA LOUD-SPEAKERS	V/TAE	Vented	No	8			1	Dome	35-30	88.5	2k	8/6	16 x 21 x 12 (Hexagon)		Blk. Cloth	30	3900.00 Pair w/Stands
EVI AUDIO	S40	Vented	Yes	5¼			1	Dome	85-20 ±3	85	3.5k	4/3.7	10 x 7 x 6	Opt.	Blk. Steel	6	380.00 Pair
	S60	Vented	Yes	6½			1	Dome	60-18 ±3	88	2.5k	8/5	14 x 9 x 9	Opt.	Blk. Steel	16	568.00 Pair
	S80	Vented	Yes	8			1	Dome	80-15 ±3	91	2k	8/5	16 x 11 x 9	Opt., Vinyl	Blk. Steel	17	680.00 Pair
	MS802	Vented	Yes	8			1	Dome	45-18 ±3	91	2k	6/4.5	17 x 12 x 12	Opt., Vinyl Wood	Brown Cloth	27	820.00 Pair
FIDELUS	903 FL	Slot-Loaded Port Sub.		9	5	Cone	1¼	Dome	30-22 ±3	88	250,6.5k Ext.	8/5	13 x 14 x 48	Oiled Oak	Opt. None	80	2295.00 Pair
	Contra Bass			12					16-100 Hz ±3	90		8/4	22 x 22 x 48	Oiled Oak		185	1795.00 Each
FINAL	0.4	Hybrid Electrostatic	Yes	7				ES	38-40 ±3	86	200	6/2	65 x 12 x 16	Opt.	Blk. Blk.	55	4700.00 Pair
	1.2	Electrostatic	Yes			ES			40-20 ±3	86		6/2	79 x 16 x 12	Opt.	Blk. Blk.	66	7900.00 Pair
	1.4	Electrostatic	Yes			ES			35-20 ±3	86		6/2	79 x 20 x 12	Opt.	Blk. Blk.	77	10,900 Pair
FIRST AUDIO	M100	Ported	No	6½			¾	Dome	50-20 ±3	87		8/	16 x 9 x 10	Simulated Mahogany	Blk.	18	499.00 Pair
	M300	Ported	No	6½			¾	Dome	42-20 ±3	88		8/	32 x 9 x 10	Simulated Mahogany	Blk.	34	749.00 Pair



# The Experts On M&K Satellites And Subwoofers



**Stereo Review, Audio,  
Sound & Image,  
Home Theater Technology,  
Video Review...**



S-100B

## S-90

...response, from 500 Hz to 20 KHz, was among the flattest we have ever measured...." — *Stereo Review*

## S-5000 and MX-5000

"I had much fun with the M&K's loud and clean capabilities, their effortlessness, and the vast quantities of clean bass they can generate."

"If you also have a home theater and need very high-performance speakers, the M&K system is one of the best. I recommend it." — *Audio*

## S-80

"Extremely clear, with lots of detail and ambience"

"A for Sound Quality" — *Sound and Image*

## S-90/MX-90

★★★★★ (five stars)

"Home theater sound and dedicated audio sound, so often in conflict with each other, coexist beautifully in the M&K S-90 and MX-90 system."

"These are without a doubt among the finest speakers available at 'real world' prices, reproducing stereo musicality and home theater multichannel sound with exquisite delicacy and fidelity." — *Video Review*

## You've Heard the Experts

Now it's your turn. Hear the three dimensional and massive deep bass horsepower of M&K Satellites and Powered Subwoofers.

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## S-100B/S-80/MX-100 System V-125 Subwoofer

"This system kicks. It got my blood flowing and got me excited about what I could listen to next...I couldn't get enough...."

"Superb sound coupled with extremely flexible placement make this a home-theater system to be reckoned with. Highly recommended for both movies and music."

—Home Theater Technology

"The V-125 reminds me of a young Muhammad Ali: It's smooth and deft when that's required, but when the time is right it slides in and pounds you silly."

"With the V-125, low bass is just the way you want it — strong, tight, and muscular."

Speaker Test Rank:  
#1 (of 17 tested subwoofers).

—Sound & Image

V-125



# LOUDSPEAKERS

MANUFACTURER	Model	Application Design Principle Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
FIRST AUDIO (Continued)	M500	Ported	No	(2)6½			1	Dome	37-20 ±3	88		4/	42 x 9 x 14	Simulated Mahogany	Blk.	80	1799.00 Pair
FISHER	STV-712B STV-715B		Yes Yes	12 15	4 4		3 3								Blk. Knit Blk. Knit		100.00 Pair 150.00 Pair
FOCUS AUDIO	FS 68 FS 78 FS 88	Bass Ref. Bass Ref. Bass Ref.	No No No	5 7 11			1 1 1	Dome Dome Dome	45-22 ±3 35-22 ±3 22-25 ±3	87 85 89	2.7k 2k 100.2k	8/8 8/8 6/4	13 x 7 x 10 38 x 9 x 9 38 x 9 x 24	Blk. Lacq. Blk. Lacq. Blk. Lacq.	Blk. Knit Blk. Knit Blk. Knit	20 50 120	2035.00 Pair 3630.00 Pair 8800.00 Pair
FRIED PRODUCTS	Beta 20 Beta 200 Beta 2000 Beta Ctr. 20/20 Beta Sub 2 Delta 300 Delta 3000 A/6 MkII mars Studio V mars IMF Audition IMF Audition Compact IMF Studio IMF Studio Compact IMF Studio A IMF Studio Monitor IMF Standard IMF Standard Compact IMF Standard IMF Signature	Distrib. Aperiodic Distrib. Aperiodic Line Tunnel Distrib. Aperiodic Line Tunnel Sub. Line Tunnel Line Tunnel Dual Trans. Line Distrib. Aperiodic Line Tunnel Line Tunnel Trans. Line Dual Line Trans. Line Dual Trans. Line Dual Trans. Line	Yes Yes Yes Yes Yes Yes No No Yes Yes Yes Yes No No No No	4 6½ 8 (2)4 8 8 8 8 6½ 6½ 6½ 8 8 6½ 8 10			1 1 1 1 1 1 1 1 1 ¾ ¾ 1 ¾ ¾ ¾ ¾	Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome Dome	55-20 45-20 40-20 45-20 38-100 Hz 38-20 38-20 40-20 26-22 42-22	89 89 90 89 89 89 89 89 89 89 89 89 89 89 89 89	2.5k 2.5k 2.5k 2.5k 3k 200.2.7k 3k 200.2.7k 3k 2.7k 200.2.7k 200.2.7k	8/6 8/6 8/6 8/4 8/6 8/6 8/6 8/6 8/6 8/6 8/6 8/6 8/6 8/6 8/6	10 x 6 x 9 13 x 8 x 9 20 x 11 x 9 6 x 17 x 9 20 x 12 x 18 32 x 11 x 11 34 x 11 x 12 34 x 10 x 12 39 x 12 x 18 13 x 8 x 11	Opt. Opt. Opt. Opt. Blk. Opt. Opt. Opt. Cherry Cherry Ven. Cherry Ven. Cherry Ven. Cherry Ven. Cherry Ven. Cherry Ven. Opt. Opt.	Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk.		299.00 Pair 399.00 Pair 399.00 Pair 549.00 Pair 279.00 Pair 299.00 Each 799.00 Pair 995.00 Pair 1099.00 Pair 3995.00 Pair 850.00 Pair 1250.00 Pair 1750.00 Pair 2400.00 Pair 3600.00 Pair 2400.00 Pair 5500.00 Sys. 13,000 Sys.
GALANTE AUDIO	Buckingham Bedminster	Coaxial; Vented Coaxial; Vented	No No	15 12				Dome/ Horn Dome	50-20 ±3 60-18 ±3	100 98	1.5k 1.6k	8/6.5 8/6.5	40 x 19 x 20 36 x 16 x 18	Opt., Wood Opt., Wood		97 60	7500.00 Pair 4500.00 Pair
GALLO ACOUSTICS	Nucleus Minor Nucleus Solo Nucleus Reference	Coaxial; Sphere, Ported Sphere, Ported Spheres, Ported	Yes Yes Yes	6½ 6½ (2)6½			¾ 3 3	Dome Cyl. Cyl.	42-20 ±3 29-20 ±3 24-20 ±3	88 90 88	3k 4/8/	8/ 8/	12 Dia. 12 Dia. (2)12 Dia.	Alum. Alum. Alum.	Blk. Metal Blk. Metal Blk. Metal		995.00 Pair 2495.00 Pair 3995.00 Pair
GC ELEC-TRONICS	Epitome 3529 Epitome 3620 Epitome 3580 Epitome 3581 30-3500 30-3506 30-3508 30-3510 30-3526 30-3576	In-Wall Isobaric Sub. In-Wall Sub. In-Wall In-Wall In-Wall Ac. Sus. In-Wall In-Wall		6½ (2)6½ 8 5½ 6½ 8 5 6½ 6½		(2)3	¾ 1 1 1 ½ ¾ 1	Dome Dome Dome Dome Horn Dome Dome	65-20 40-150 Hz 40-120 Hz 250-20 50-20 ±3 45-20 ±3 40-20 ±3 50-20 ±3 65-20 ±3 45-20 ±3	90 90 90 93 90 90 90 89 92 90	150 2.5k 2.5k 3k 2.5k	8/3 4/ 8/ 4/ 8/ 8/ 4/ 8/ 8/	9 Dia. 16 x 10 x 15 14 x 11 x 4 7 x 4 x 4 8 x 11 x 3 12 x 9 x 3 14 x 10 x 4 9 x 7 x 5 8 x 8 x 3 12 x 9 x 3	Blk. Blk. Blk. Blk. Wht. Plast. Wht. Plast. Wht. Plast. Blk. Plast. Wht. Plast. Wht. Plast.	Wht. Metal Wht. Metal Blk. Wht. Metal Wht. Metal Wht. Metal Blk. Metal Blk. Metal Wht. Metal	6 15 13 6	139.00 Pair 179.00 Each 129.00 Each 129.00 Pair 150.00 Pair 189.00 Pair 249.00 Pair 189.00 Pair 129.00 Pair 229.00 Pair
GENESIS TECH-NOLOGIES	Genesis 200 (w/remote) Genesis 300 (w/remote) Genesis 400 Genesis 700 Genesis 900 Genesis I (w/remote) Genesis II (w/remote) Genesis V (w/remote) Genesis VI	Dipole & Powered Sub. Dipole: Powered Woofers Dipole Ctr. Ch. Dipole Tweeter Powered Servo Sub. Dipole & Powered Sub. Dipole & Powered Sub. Dipole: Powered Woofers Dipole: Powered Woofers		(8)12 (8)6 (2)8 (2)6½ 15 (6)12 (4)12 (4)8 (3)8	48 48 3 3 15 60 48 6½,3 6½,3		(15)1 (4)1 (2)1 (2)1 (26)1 (15)1 (2)1 (2)1	Ribbons Ribbons Ribbons Ribbons Ribbons Ribbons Ribbons Ribbons Ribbons	16-36 ±2 16-36 ±3 36-36 ±3 48-36 ±3 16-120 ±2 16-31 ±2 16-31 ±3 25-31 ±3 25-31 ±3	91 90 88 87 92 91 89 89	91.3,8k 91.4,2k, 8.1k 500,3.6k 3.6k 70-120 (Var.) 85,4.2k 85,4.2k 85,500,4k 85,500,4k	4/4 4/4 4/4 4/3 4/4 4/4 4/4 4/4	Two Pieces Per Side 72 x 21 x 14 45 x 13 x 14 22 x 11 x 13 20 x 22 x 20 Two Pieces Per Side Two Pieces Per Side 40 x 11 x 20 40 x 11 x 16	Rswd. Rswd. Rswd. Opt. Opt. Rswd. Rswd. Rswd. Rswd.	Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk. Blk.	650 600 125 55 85 1250 625 200 150	37,500 Sys. w/Servo Amp 27,500 Pair w/Servo Amp 4000.00 Pair From 3000.00 Pair From 1900.00 Each 90,000 Sys. w/Servo Amp 33,000 Sys. w/Servo Amp 14,500 Pair w/Servo Amp 8950.00 Pair w/Servo Amp
GERSHMAN ACOUSTICS	GA-P 520-X Avant Garde RX-20 Enigma 500-X Specter X-1	Time Coherent Time Coherent Time Coherent Omni Ported	Opt. Opt. Opt. Opt. Yes	10 8 8 8 6	5¼ 5¼		1 1 1 1 1	Dome Dome Dome Dome Dome	22-24 ±3 24-24 ±3 30-24 ±3 28-24 ±3 24-37 ±3	88 87 87 88 88	250.1,5k 350.1,8k 1.6k 1.5k	8/5 8/5 8/6 8/6	15 x 15 x 56 12 x 12 x 36 12 x 12 x 36 13 x 10 x 36 14 x 9 x 15 (Pyramid)	Opt., Lacq. Opt., Lacq. Opt., Lacq. Opt., Wood	Opt. Opt. Opt. Blk. Knit	125 75 70 55 35	9495.00 Pair 4295.00 Pair 3695.00 Pair 1995.00 Pair 1599.00 Pair
GERTNER AUDIO	CEL 3096E CEL 1596 CEL 1091	Angled Port Angled Port Angled Port	No No No	12,10 10 8			1½ 1½ 1½	Dome Dome Dome	24-20 ±5 30-20 ±5 35-20 ±5	96 96 91	2k 2k	8/8 8/8 8/8	16 x 18 x 50 14 x 14 x 32 13 x 12 x 24	Opt. Opt. Opt.	Opt. Blk. Knit Blk. Knit	150 62 40	4800.00 Pair 2150.00 Pair 1395.00 Pair
GOLDMUND	Epilogue 1		Yes	8			1½	Dome	34-28 ±3	90		6/5		Metal	Blk.	90	15,000 Sys.
GOLD SOUND	Super Center Kit #.9AV Kit #Dynaudio A Kit #Dynaudio B Kit #Dynaudio C Kit #.2 Kit #.6	Ctr. Ch. Symmetrical Array Sat. Sat. Symm. Array Sealed Sealed		(2)6½ (2)5¼ 5 6 (2)6 5¼ 6½			1 ¾ 1 1 ¾ 1	Ribbon Dome Dome Dome Dome Dome	54-25 ±3 41-20 ±3 67-22 ±3 58-22 54-22 68-20 ±3 58-20 ±3	93 92 89 89 92 91 92	3k 3k 3k 3k 3k 3k 3k	8/ 4/ or 8/ 4/ or 8/ 4/ or 8/ 4/ or 8/ 4/ or 8/ 4/ or 8/	12 x 22 x 10 10 x 16 x 7 12 x 8 x 7 16 x 10 x 8 22 x 12 x 10 12 x 8 x 7 16 x 10 x 8	Opt. Opt. Opt. Opt. Opt. Opt. Opt.	Opt. Blk. Knit Blk. Knit Opt. Brown Knit Opt.	35 26 12 14 20 9 12	599.00 Each Kit, 199.00 Each Kit, 449.00 Pair Kit, 499.00 Pair Kit, 799.00 Pair Kit, 129.00 Pair Kit, 149.00 Pair



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Fr. Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
GOLD SOUND (Continued)	Kit # 8	Symm. Array		(2)4½			1	Dome	61-20 ±3	89	3k	4/ or 8/	16 x 8 x 7	Opt.	Opt.		Kit, 299.00 Pair
	Kit #294	Vented		8	4	Cone	1	Dome	37-30 ±3	91	200,4k	4/ or 8/	19 x 12 x 10	Opt.	Opt.	18	449.00 Pair
	Kit #394	Vented		12	5¼	Cone	1	Dome	36-30 ±3	90	200,3k	4/ or 8/	25 x 14 x 11	Opt.	Opt.	35	549.00 Pair
	Kit #494	Vented; Symm. Array		10	(2)4½	Cones	1	Dome	25-30 ±3	93	70,250,3k	4/ or 8/	37 x 14 x 11	Opt.	Opt.	64	649.00 Pair
	Kit #594	Vented; Symm. Array		12	(2)6	Cones	1	Dome	32-30 ±3	90	90,3k	4/ or 8/	37 x 14 x 11	Opt.	Opt.	79	699.00 Pair
	Kit #695	Vented; Symm. Array		12	(2)6½	Cones	1	Dome	32-30	90	90,3k	4/ or 8/	37 x 14 x 11	Oak	Opt.	98	1099.00 Pair
	Kit #794	Vented; Symm. Array		(2)10	(2)6½	Cones	1	Dome	28-35 ±3	93	50,200,3k	4/ or 8/	37 x 14 x 11	Opt.	Opt.	116	1199.00 Pair
	Kit #894	Vented; Symm. Array		(2)12	(2)6	Cones	1	Dome	26-25 ±3	93	90,3k	4/ or 8/	44 x 18 x 14	Opt.	Opt.		1399.00 Pair
	Kit #1194	Vented		15	8	Cone	5x5	Horn	28-21 ±3	93	300,5k	4/ or 8/	44 x 18 x 14	Opt.	Opt.	109	1899.00 Pair
	Kit #1494	Vented		18	10, 8x10	Cone, Horn	5x5	Horn	25-21 ±3	95	150, 1.2k, 5k	8/	46 x 29 x 19	Opt.	Opt.	196	3399.00 Pair
	GS 1095	Vented		15	(2)6½	Cones	1	Dome	28-25 ±3	93	200,3k	4/ or 8/	18 x 44 x 14	Opt.	Blk. Knit	105	1699.00 Pair
	GS 995	Vented		15	8	Cone	1	Dome	28-25 ±3	93	300,4k	4/ or 8/	18 x 44 x 14	Opt.	Blk. Knit	103	1389.00 Pair
	GS 9	Vented		15	6½	Cone	1	Dome	35-25 ±3	93	300,4k	4/ or 8/	16 x 28 x 17	Opt.	Blk. Knit	68	989.00 Pair
	Performance Pro 15 Kit	Vented		15	7	Cone	8x10, 3x7	Horns	45-21 ±3	96	400,5k	4/ or 8/	44 x 18 x 14	Opt.	Blk. Metal	70	699.00 Each
	Performance Pro Double 15 Kit	Vented		(2)15	7	Cone	8x10, (2)3x7	Horns	43-21 ±3	98	400,5k	4/ or 8/	46 x 24 x 21	Opt.	Blk. Metal	120	1049.00 Each
	Performance Pro 12JBL Kit	Sealed		12			3x7	Horn	45-21 ±3	95	3k	4/ or 8/	20 x 16 x 15	Opt.	Blk. Metal		Kit, 344.00 Each
	Performance Pro 12 Kit	Sealed		12			3x7	Horn	50-21 ±3	95	3k	4/ or 8/	20 x 16 x 15	Opt.	Blk. Metal	40	144.00 Each
	M15JBL	Sealed		15	7	Cone	3x7	Horn	39-21 ±3	97	500,5k	4/ or 8/	30 x 17 x 14	Opt.	Blk. Metal	62	879.00 Each
	M15 Kit	Sealed		15	7	Cone	3x7	Horn	45-21 ±3	95	500,5k	4/ or 8/	30 x 17 x 14	Opt.	Blk. Metal	57	Kit, 349.00 Each
	Performance Pro 15JBL Kit	Vented		15	7	Cone	8x10, 3x7	Horns	39-21 ±3	98	400,5k	4/ or 8/	44 x 18 x 14	Opt.	Blk. Metal	80	Kit, 979.00 Each
	Performance Pro Double 15JBL Kit	Vented		(2)15	7	Cone	8x10, (2)3x7	Horns	38-21 ±3	100	400,5k	4/ or 8/	46 x 24 x 21	Opt.	Blk. Metal	130	Kit, 1549.00 Each
	Performance Pro Double 18JBL Kit	Vented		(2)18	10	Cone	8x10, 5x5	Horns	29-21 ±3	101	200,2k,10k	4/ or 8/	Two Pieces Per Side	Opt.	Blk. Metal	280	Kit, 2199.00 Each
	Baby Boomer 1	Sub.		8					32-150 Hz	88	40-180 (Adj.)	4/ or 8/	12 x 12 x 12	Opt.	Blk. Metal	38	Kit, 98.00 Each; Amp Opt. Kit, 198.00 Each; Amp Opt. Kit, From 149.00 Each
	Baby Boomer 2	Sub.		(2)8						91	40-180 (Adj.)	4/ or 8/	12 x 12 x 14	Opt.	Blk. Metal	49	Kit, From 598.00 Each
	GS12 Sub Kit	Sub.		12					29-150 Hz ±3	92	Opt.	4/8	18 x 18 x 16	Opt.	Opt.	48	Kit, From 249.00 Each
	GS12 Power Sub Kit	Powered Sub.		12					24-150 Hz ±3	92	40-180 (Adj.)	4/8	18 x 18 x 16	Opt.	Opt.	69	Kit, From 249.00 Each
	GS15 Sub Kit	Sub.		15					28-150 Hz ±3	93	Opt.	4/8	44 x 18 x 14	Opt.	Opt.	88	Kit, From 249.00 Each
	GS15 Power Sub Kit	Powered Sub.		15					23-150 Hz ±3	93	40-180 (Adj.)	4/8	44 x 18 x 14	Opt.	Opt.	108	Kit, From 698.00 Each
	GS/JBL15 Sub Kit	Sub.		15					27-150 Hz ±3	93	Opt.	/8	44 x 18 x 14	Opt.	Opt.	94	Kit, From 349.00 Each
	GS/JBL15 Power Sub Kit	Powered Sub.		15					22-150 Hz ±3	93	40-180 (Adj.)	4/8	44 x 18 x 14	Opt.	Opt.	114	Kit, From 798.00 Each
	GS/JBL18 Sub Kit	Sub.		18					25-150 Hz ±3	95	Opt.	/8	29 x 46 x 19	Opt.	Opt.	32	Kit, 549.00 Each
	GS/JBL18 Power Sub Kit	Powered Sub.		18					19-150 Hz ±3	95	40-180 (Adj.)	4/ or 8/	29 x 46 x 19	Opt.	Opt.	52	Kit, 1098.00 Each
	GS 6AC	In-Wall		6½			2 ¼	Cone	45-20 ±3	90	2k	4/8	9 x 9 x 3	Wht.	Wht. Knit	9	369.00 Pair
	GS 6C	In-Wall		6½			1 ¼	Cone	49-20 ±3	90	4k	4/8	9 x 9 x 3	Wht.	Wht. Knit	15	269.00 Pair
	8C	In-Wall		8				Dome	40-25 ±3	92	4k	4/ or 8/	11 x 11 x 3	Wht.	Wht. Knit	10	299.00 Pair
8AC	In-Wall		8			2	Cone	32-20 ±3	92	3k	4/ or 8/	11 x 11 x 3	Wht.	Wht. Knit	18	399.00 Pair	
8 Neo CX	In-Wall		8			1	Dome	29-20 ±3	92	3k	8/	11 x 11 x 4	Wht.	Wht.	16	599.00 Pair	
6 Neo CX	In-Wall		6½			1	Dome	32-20 ±3	92	3k	8/	9 x 9 x 4	Wht.	Wht.	14	549.00 Pair	
824	In-Wall; Sub.		8					32-2 ±3	92		4/ or 8/	11 x 11 x 3	Wht.	Wht. Knit	16	219.00 Pair	
844	In-Wall; Sub.		8					30-2 ±3	92		4/ or 8/	11 x 11 x 3	Wht.	Wht. Knit	24	289.00 Pair	
GRADIENT	Intro Refer Revolution	Bass Ref. Bass Ref. Cardioid	No No No	4½ (2)12	6¾	Cone	1 ¾ 1	Dome Dome	60-20 ±2 100-20 ±0.5 30-20 ±2	86 81 86	2.8k 2.5k 200,2.8k	8/6 8/6 6/5	33 x 8 x 9 38 x 7 x 9 39 x 14 x 12	Cherry Birch Blk. Lacq.	Blk. Knit Blk. Knit	22 27 50	1500.00 Pair 6495.00 Pair 3995.00 Pair
	Evidence	Point Source; Dipole Woofer Cardioid	No	8	6¾	Cone	1	Dome	45-20 ±2	86	200,2.8k	6/4	35 x 8 x 12	Cherry	Blk. Knit	50	2995.00 Pair
	1.3	Bass Ref. Line Source; Dipole Midrange, Bass Ref.	No	8	12	Cone	(4)1½	Cones	45-20 ±2	86	250,1.5k	4/3.5	38 x 15 x 11	Opt.	Opt.	25	2195.00 Pair



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to KHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
GRADIENT (Continued)	Avanti	Bass Ref.		6			¾	Dome	60-22 ±2	86	3k	8/	20 x 10 x 12	Opt.	Blk. Foam	10	1195.00 Pair
	CC-1 DS-1	Ctr. Ch., Coaxial Dipole	Yes No	7 5			1 ½	Dome Dome	80-20 ±2.5 90-20 ±3	87 88	2.8k 3k	8/6 8/6	21 x 8 x 7 6 x 17 x 7	Opt. Opt.	Opt., Knit Opt., Knit	14 10	799.00 Each 599.00 Each
GREEN MOUNTAIN AUDIO	Continuum 0.5	Ported	Yes	6			1½	Dome	65-22 ±2	90	3k	4/4	15 x 9 x 11	Lacq. Cherry/Marble	Blk. Foam	30	1250.00 Pair
	Continuum 1 Diamante III Contura	Sealed Trans. Line Biamped	No	10	4½	Cone	1½	Dome	40-22 ±2	89	300,3k	8/6	42 x 13 x 14	Lacq. Cherry/Marble	Blk. Foam	65	1395.00 Pair
			No	8	4	Cone	1½	Dome	45-23 ±2	89	350,3k	8/6	42 x 13 x 13	Lacq. Cherry/Marble	Blk. Metal	120	5500.00 Pair
			No	12,8	5¼	Cone	1½	Dome	30-23 ±2	89	70,350,3k	8/4	48 x 15 x 17	Lacq. Cherry/Marble	Blk. Cloth	150	6500.00 Pair
	12SW	Ported Sub.	No	12					25-150 Hz ±2	90		4/4	18 x 16 x 18	Textured Blk.	Blk. Cloth	70	1350.00 Each
	15SW	Ported Sub.	No	15					20-130 Hz ±2	91		4/4	25 x 24 x 31	Textured Blk.	Blk. Cloth	150	1795.00 Each
REUBEN GUSS ENTERPRISES	Custom Monitor	Sats. & Inf. Baf.	No	(24)15	(48)5	Domes	(32)1, (100)3	Domes, Piezos	10-35 ±3	98	400,460, 950,3.5k,4k	6/4	Six Pieces	Opt.	Blk. Knit	2200 Sys.	100,000 Sys.
	System 1 Monitor	Sats. & Inf. Baf.	No	(12)15	(24)5	Domes	(16)1, (50)3	Domes, Piezos	15-35 ±3	98	400,560, 950,3.5k,5k	6/4	Four Pieces	Opt.	Blk. Knit	1100 Sys.	50,000 Sys.
	System 2 Symphony	Sats. & Inf. Baf.	No	(4)15	(6)5	Domes	(4)1, (12)3	Domes, Piezos	18-35 ±3	96	400,560, 950,3.5k,5k	4/3	Four Pieces	Opt.	Blk. Knit	355 Sys.	18,000 Sys.
	System 3 Concerto	Sats. & Inf. Baf.	No	(4)12	(6)5	Domes	(4)1, (8)3	Domes, Piezos	20-30 ±3	92	400,560, 950,3.5k,5k	4/3	Four Pieces	Opt.	Blk. Knit	350 Sys.	14,000 Sys.
	System 4 Sonata	Sats. & Inf. Baf.	No	(2)12	(2)5	Domes	(2)1, (6)3	Domes, Piezos	25-30 ±3	88	460,3.5k	8/6	15 x 25 x 11	Mahogany	Bik. Knit	70	6100.00 Pair
	System 5 Monitor	Sats. & Inf. Baf.	No	(2)15	(2)5	Domes	(2)1, (6)3	Domes, Piezos	20-30 ±3	88	460,4k	5/4	18 x 29 x 15	Mahogany	Bik. Knit	100	7500.00 Pair
	System 6	Inf. Baf.	No	(2)10	(2)5	Domes	(2)1, (2)3	Domes, Piezos	30-30 ±4	88	450,4k	8/6	15 x 25 x 11	Oak	Bik. Knit	60	5600.00 Pair
	System 7	Inf. Baf.	No	(2)8			(2)3	Piezos	38-30 ±4	88	450	8/6	10 x 15 x 7	Oak	Bik. Knit	18	2400.00 Pair

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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
HALES DESIGN GROUP	Revelation Center	Ctr. Ch.	Yes	(2)6½			1	Dome					8 x 20 x 16	Opt.	Blk. Knit	31	795.00 Each
	Revelation One	Vented Sealed	No	6½			1	Dome	39-26	86	6/5			Opt.	Blk. Knit	26	995.00 Pair
	Revelation Two	Sealed	No	8	4½	Cone	1	Dome	35-26	87	4/3			Opt.	Blk. Knit	85	1595.00 Pair
	Revelation Three	Sealed	No	10	4½	Cone	1	Dome	29-26	87	4/3		40 x 11 x 14 18 x 32 x 24	Opt.	Blk. Knit	96	2195.00 Pair
	Concept Zero	Powered Sub.		(4)12					19-100 Hz		30-100 (Sel.)			Opt.	Blk. Knit	135	3450.00 Each
HARMONIC PRECISION	Echelon II		No	8			1	Dome	35-21	91	1.5k,7k	12/10	11 x 14 x 45	Oak & Blk.	Blk. Knit	69	2495.00 Pair
	Caravelle		No	6½	2	Dome	1	Dome	41-21	87	2.6k	8/7	9 x 13 x 18	Oak & Blk.	Blk. Knit	34	1095.00 Pair
	Alfa	Bass Ref.	Yes	6½			¾	Dome	45-22	88	3k	8/6	9 x 12 x 13	Blk. Ash	Blk. Knit	16	460.00 Pair
	HSL 1P	Pas. Rad.	No	6½			1	Dome	45-20	87	2.4k	8/8	22 x 11 x 11	Oiled Oak	Blk. Knit	29	549.00 Pair
	HSL TH CEN II	Ctr. Ch., Inf. Baf. Surround Ch., Bass Ref.	Yes	(2)5¼			1	Dome	80-20 ±3	88	3k	8/8	7 x 21 x 13	Oiled Oak	Blk. Knit	24	299.00 Each
HARMS SOUND LABS	HSL RS II	Inf. Baf.	No	5¼			1	Dome	65-20 ±3	89	4.5k	4/4	13 x 7 x 9	Oiled Oak	Blk. Knit	14	299.00 Each
	HSL Sub I	Pas. Rad. Sub.	No	10					26-120 Hz ±3	91	120	6/4	25 x 14 x 11	Oiled Oak	Blk. Knit	34	299.00 Each
	HSL Sub II	Pas. Rad. Sub.	No	12					21-120 Hz ±3	89	2.5k	8/8	31 x 17 x 12	Oiled Oak	Blk. Knit	53	399.00 Each
	HSL Sat	Sat.	No	4			1	Dome	80-21 ±3	89	2.5k	8/8	9 x 6 x 5	Oiled Oak	Blk. Knit	6	399.00 Pair
	HARTLEY PRODUCTS	Reference Tower	Air Column	No	(4)6½			(4)1	Domes	24-25 ±3	95	3.6k	5/4	18 x 18 x 45	Opt., Wood	Blk. Knit	100
Concertmaster		Inf. Baf.	No	18	10	Cone	(2)7	Cones	16-25 ±3	92.5	125.3k,8k	8/5	29 x 18 x 42	Opt., Wood	Blk. Knit	175	8000.00 Pair
Reference		Inf. Baf.	No	24			(2)7	Cones	16-25 ±3	93	125.3k,8k	8/5	36 x 24 x 50	Opt., Wood	Blk. Knit	300	9500.00 Pair
SW-10		Air Column Sub.	No	10					25-3.8 ±3	93		8/6	18 x 18 x 24	Opt., Wood	Blk. Knit	70	750.00 Each
SW-18		Inf. Baf. Sub.	No	18					16-350 Hz ±3	92.5	5/4	29 x 18 x 42	Opt., Wood	Blk. Knit	150	1500.00 Each	
HSU RESEARCH	SW-24	Inf. Baf. Sub.	No	24					16-250 Hz ±3	93	5/4	36 x 24 x 50	Opt., Wood	Blk. Knit	250	2000.00 Each	
	HRSW 10V	Bass Ref. Sub.	Yes	10					25-100 Hz ±2	91		6/5	18 Dia. x 17	Granite	Blk. Knit	39	300.00 Each; w/150-Watt Amp, 525.00; w/250-Watt Amp, 750.00
	TN 1225 HO	Bass Ref. Sub.	Yes	12					25-100 Hz ±2	92		4/4	12 Dia. x 32	Blk.	Blk. Knit	25	350.00 Each; w/150-Watt Amp, 575.00; w/250-Watt Amp, 800.00
	TN 1220 HO	Bass Ref. Sub.	Yes	12					20-100 Hz ±2	92		4/4	12 Dia. x 51	Blk.	Blk. Knit	30	450.00 Each; w/150-Watt Amp, 675.00; w/250-Watt Amp, 900.00
	HRSW 12Va	Bass Ref. Sub.	Yes	12					20-100 Hz ±2	92		4/4	23 Dia. x 22	Opt.	Blk. Knit	65	From 550.00 Each; w/150-Watt Amp, From 775.00; w/250-Watt Amp, From 1000.00
IMPACT TECHNOLOGY	HRIBR	Bass Ref. Sub.	No	(16)18					10-100 Hz ±1		28-155		16 Pieces	Opt.	Blk. Knit	2400 Sys.	80,000 Sys.
	IT!	Trans. Line	Yes	4			1	Dome	41-20 ±3	88	4.25k	8/6	25 x 6 x 10	Blk. Textured		24	595.00 Pair
	IT! Reference	Trans. Line	Yes	4			1	Dome	39-22 ±3	89	4.25k	8/6	25 x 6 x 10	Blk. Textured		24	695.00 Pair
INFINITY	Foundation	Powered, Isobaric Sub.		(2)15					19-200 Hz ±3	90	60/80/100 (Sel.)	8/6	36 x 24 x 18	Blk. Textured		120	2995.00 Each
	I.R.S. Epsilon (with woofer servo)	Hybrid Planar		12		Planar Mag.	(2)	EMITs	30-42 ±1.5	87	150,500,3k	4/	60 x 18 x 16	Santos	Blk. Cloth	225	14,000 Pair w/Xover
	I.R.S. Sigma	Hybrid Planar		12		Planar Mag. Domes	(2)	EMITs	30-42 ±2	87	160,600, 3.8k	4/	58 x 18 x 16	Santos	Blk. Cloth	195	10,000 Pair
	Compositions Prelude	Ported		12	(4)5¼ (2)4	Domes	1	Dome	25-20 ±2	96	110,350,3k	6/	54 x 8 x 20	Blk.	Blk. Cloth	78	1949.00 Each
	Compositions Center Channel	Ctr. Ch.: Sealed		(2)5¼	(2)4	Domes	1	Dome	80-20 ±2	96	350,3k	6/	6 x 23 x 8	Blk.	Blk. Cloth	21	779.00 Each
	Compositions Quadrapole Surrounds	Surround Ch., Sealed		5¼			(4)3½	Domes	50-15 ±2	90	350	8/	10 x 14 x 4	Opt.	Opt.	4	669.00 Pair
	Compositions Overture 1	Powered Bass Section		8	(2)4	Cones	1	Dome	38-20	92	200,3k	8/	12 x 6 x 6	Blk.	Blk. Cloth	30	1100.00 Pair
	Compositions Overture 2	Powered Bass Section		(2)6½	(2)5¼	Cones	1	Dome	35-20	93	350,3k	8/	39 x 7 x 16	Opt.	Blk. Cloth	47	1099.00 Each
	Compositions Overture 3	Powered Bass Section		(4)6½	(2)5¼	Cones	1	Dome	33-20	94	350,3k	8/	46 x 7 x 16	Opt.	Blk. Cloth	59	1400.00 Each
	Kappa 5.1 Series II	Ported		8	4	Cone	1	EMIT-R	50-35 ±3	90	350,3k	8/4	22 x 10 x 13	Opt.	Blk. Cloth	38	1049.00 Pair
Kappa 6.1 Series II	Ported		8			1	EMIT-R	45-35 ±2	89	500,4.5k	8/4	38 x 12 x 9	Opt.	Blk. Cloth	48	699.00 Each	
(Continued)	Kappa 7.1 Series II	Ported		10			1	EMIT-R	39-35 ±2	89	500,4.5k	8/4	43 x 14 x 10	Opt.	Blk. Cloth	63	899.00 Each
	SM 65	Ported		6½			¾	Dome	45-25 ±3	94	5k	8/4	13 x 8 x 7	Opt.	Blk. Cloth	7	278.00 Pair
	SM 85	Ported		8			1	Dome	42-27 ±3	98	2.8k	8/4	18 x 11 x 10	Opt.	Blk. Cloth	14	428.00 Pair
	SM 105	Ported		10			1	Dome	35-27 ±3	100	3.3k	8/4	21 x 12 x 12	Opt.	Blk. Cloth	17	498.00 Pair



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anisochronous Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
INFINITY (Continued)	SM 115	Ported		10	4½	Cone	1	Dome	35-27 ±3	100	900,5.5k	8/4	30 x 13 x 12	Opt.	Blk. Cloth	56	369.00 Each	
	SM 125	Ported		12	4½	Cone	1	Dome	32-27 ±3	100	750,5.5k	8/4	35 x 15 x 12	Opt.	Blk. Cloth	66	449.00 Each	
	SM 155	Ported		15	(2)4½	Cone	1	Dome	29-27 ±3	102	500,5.5k	8/4	40 x 18 x 12	Opt.	Blk. Cloth	76	599.00 Each	
	SM Video Reference	Ported		(2)6½	5¼		1	Dome	45-27 ±3	93	2.2k	8/4	8 x 21 x 9	Blk.	Blk. Cloth	18	329.00 Each	
	2000.1	Ported		5¼			½	Dome	55-20	87	3.5k	8/	11 x 7 x 8	Opt.	Blk. Cloth	4	229.00 Pair	
	Reference 2000.2	Ported		6½			½	Dome	50-20	88	3.5k	8/	13 x 8 x 10	Opt.	Blk. Cloth	6	279.00 Pair	
	Reference 2000.3	Ported		6½			1	Dome	45-20	89	3k	8/	16 x 8 x 10	Opt.	Blk. Cloth	7	329.00 Pair	
	Reference 2000.4	Ported		6½			1	Dome	40-20	89	3k	8/	33 x 8 x 10	Opt.	Blk. Cloth	14	449.00 Pair	
	Reference 2000.5	Ported		6½			1	Dome	38-20	90	3k	8/	36 x 8 x 14	Opt.	Blk. Cloth	34	314.50 Each	
	Reference 2000.6	Ported		(2)6½			1	Dome	35-20	92	3k	8/	40 x 8 x 14	Opt.	Blk. Cloth	40	419.00 Each	
	Minuette MPS	Sealed		3½			½	Dome	200-20	88	5k	8/4	7 x 5 x 4	Opt.	Opt.	2	169.00 Pair	
	Minuette Center Channel	Ctr. Ch.: Sealed		(2)3½			½	Dome	150-20	88	5k	8/	5 x 10 x 4	Blk.	Blk. Cloth	5	149.00 Each	
	Minuette Surround Pac	Sealed Surround		(4)3½			(3)½	Domes	200-20	88	3.5k,5k	8/4	Three Pieces	Blk.	Blk. Cloth	11	279.00 Sys.	
	Minuette Theater Pac	2 Sats., Ctr. Ch. & Sub.		(6)3½			(5)½	Domes	200-20	88	3.5k,5k	8/4	Four Pieces	Blk.	Blk. Cloth	17	389.00 Sys.	
	BU-1	Powered Sub.		8					45-150 Hz ±3		50-150 (Var.)		11 x 11 x 11	Blk.	Blk. Cloth	26	399.00 Each	
	BU-2	Powered Sub.		12					30-150 Hz ±3		50-200 (Var.)		14 x 14 x 14	Blk.	Blk. Cloth	50	549.00 Each	
	CC-1	Ctr. Ch.		(2)4			½	Dome	100-20		3.5k	8/	5 x 14 x 6	Blk.	Blk. Cloth		199.00 Each	
	CC-2	Ctr. Ch.		(2)5¼			½	Dome	90-20		3.5k	8/	7 x 18 x 8	Blk.	Blk. Cloth		329.00 Each	
	CC-3	Ctr. Ch.		(2)5¼			½	Dome	80-20		3k	8/	7 x 20 x 8	Blk.	Blk. Cloth		449.00 Each	
	Video 1	Ctr. Ch.		5½			½	Dome	58-20 ±3		4.5k	8/4	18 x 7 x 5	Blk.	Blk. Cloth	14	189.00 Each	
Outrigger	Outdoor		5¼			1	Dome	100-20	88		8/4	10 x 8 x 7	Wht.	Wht. Metal	4	329.00 Pair		
ERS 360	In-Wall		5¼			¾	Dome	75-22	88	6k	8/4	8 Dia. x 3	Wht.	Wht. Metal	2	250.00 Pair		
ERS 440	In-Wall		4			¾	Dome	90-15	85		8/4	7 x 7 x 3	Wht.	Wht. Metal	2	180.00 Pair		
ERS 540	In-Wall		5¼			¾	Dome	75-22	85	6k	8/4	8 x 8 x 3	Wht.	Wht. Metal	2	250.00 Pair		
ERS 640	In-Wall		6			¾	Dome	60-22	85	3.8k	8/4	13 x 9 x 3	Wht.	Wht. Metal	3	340.00 Pair		
ERS 840	In-Wall		8			¾	Dome	50-45	85	3.8k	8/4	15 x 11 x 4	Wht.	Wht. Metal	4	580.00 Pair		
INTERACT	AR-2103	Multimedia; 4th Order Bandpass		(2)4	2½		1										299.99 Pair	
JACKSON LOUD-SPEAKERS	AU-3	Air Sus. Sat.	No	5¼			(2)1, ½	Domes	80-20 ±3	87	2.5k,12k	8/6	8 Base x 14	Opt.	Opt., Knit	10	1300.00 Pair	
	AU-3plus	Air Sus. Sat.	No	5¼			(2)1, ½	Domes	80-20 ±3	87	2.5k,12k	8/6	8 Base x 14	Opt.	Opt., Knit	12	2000.00 Pair	
	AU-20	Pas. Rad. Sub.	No	10					26-100 Hz ±3	90	100	8/6	18 x 18 x 20	Opt.	Opt., Knit	57	1250.00 Each	
	AU-20plus	Pas. Rad. Sub.	No	10					26-100 Hz ±3	90	100	8/6	18 x 18 x 20	Opt.	Opt., Knit	57	1500.00 Each	
JADIS	J1	Horn Dynamic								103	180,900,8k		59 x 28 x 28			89		
	J2 Orchestra	Horn Dynamic		6½			1	Dome		94	150,3.5k		45 x 20 x 24 9 x 11 x 21	Opt., Wood		77	2995.00 Each	
JAMO HI-FI	Concert Center	Ctr. Ch.	Yes	(2)6½	1½		1	Dome			1.1k,3.5k	4/	8 x 22 x 11	Opt., Wood	Blk. Knit	11	800.00 Each	
	Concert 8	Bass Ref.	Yes	6½			1	Dome			2.5k	4/	15 x 10 x 12	Opt., Wood	Blk. Knit	12	1200.00 Each	
	Concert 11	Bass Ref.	Yes	6½	6½		1	Dome			150,2.5k	4/	41 x 11 x 15	Opt., Wood	Blk. Knit	33	1800.00 Each	
	Oriel	Bass Ref.		8	6½		1½	Dome		87	100,3k	6/	70 x 16 x 12	Gray	Blk. Knit	158	4500.00 Each	
	307	Bass Ref.		5			1	Dome	50-20	87	3k	6/	13 x 8 x 11	Opt.	Blk. Knit	11	249.00 Each	
	407	Bass Ref.		6½		Dome	½	Dome	45-20	88	3k,10k	6/	16 x 9 x 11	Opt.	Blk. Knit	16	349.00 Each	
	477	Bass Ref.		(2)5			1½	Dome	40-20	88	2.5k	4/	30 x 8 x 12	Opt.	Blk. Knit	24	449.00 Each	
	507	Bass Ref.		(2)6½	(2)4		1	Dome	40-20	88	150,3k	4/	36 x 9 x 15	Opt.	Blk. Knit	42	649.00 Each	
	707	Bass Ref.		(2)8	(2)5		1	Dome	35-20	90	150,3k	4/	41 x 11 x 15	Opt.	Blk. Knit	50	799.00 Each	
	Silhouette	Bass Ref.		5¼	5¼		1	Dome	47-20	90	300,4k	5/	48 x 9 x 6	Opt.	Opt.	22	399.00 Each	
	Art	Bass Ref.		5¼			1	Dome	40-20	88	3k	8/	13 x 15 x 3	Opt.	Opt.	11	249.00 Each	
	Artina	Bass Ref.		4			2	Cone	80-20	90	4.5k	8/	9 x 11 x 3	Opt.	Opt.	3	139.00 Each	
	Graphic	Bass Ref.		5¼			1	Dome	45-20	88	3k	8/	17 x 15 x 3	Blk.	Opt.	3	299.00 Each	
	Atmosphere	Bass Ref.		5¼			1	Dome	40-20	88	3k	8/	14 x 10 x 6	Opt.	Opt.	7	399.00 Each	
	Converta	Bass Ref.		4			2	Cone	80-20	90	2.5k	8/	3 Dia.	Opt.	Opt.	4	199.00 Each	
	Converta Light			4			2	Cone	80-20	90	2.5k	8/	3 Dia.	Opt.	Opt.	7	219.00 Each	
	SW80/SAT80	Sats. & Bass Ref. Sub.		(2)6½	4		2	Cone	45-20	90	4.5k	8/	Three Pieces	Opt.	Opt., Knit	17	299.00 Sys.	
	SW160/SAT160	Sats. & ABR Sub.		(2)6½	4		2	Cone	35-20	90	4.5k	8/	Three Pieces	Opt.	Opt.	23	449.00 Sys.	
	SW200/SAT200	Sats. & ABR Sub.		(2)8	4		¾	Cone	35-20	90	3.5k	8/	Three Pieces	Opt.	Opt.	31	499.00 Sys.	
	SW300/SAT300	Sats. & ABR Sub.		(2)8	4		¾	Cone	30-20	90	3.5k	8/	Three Pieces	Opt.	Blk.	36	699.00 Sys.	
	SW500/SAT500	Bass Ref. Sats. & ABR Sub.		(2)10	4		¾	Cone	30-20	90	3.5k	8/	Three Pieces	Blk.	Opt.	59	799.00 Sys.	
	SW600L	Powered Sub.		(2)10					30-150 Hz	90	Var.		16 x 13 x 20	Blk.		55	995.00 Each	
	SW400E	Powered		8					40-150 Hz		Var.		15 x 9 x 19	Blk.		22	499.00 Each	
	Surround 50	Surround Ch.			4			2	Cone	120-17	87		7 x 5 x 3	Blk.	Blk.	3	69.00 Each	
	Surround 100	Surround Ch.			4	3¼		2	Cone	80-20	88	4.5k	8/	7 x 5 x 3	Blk.	Blk.	3	89.00 Each
	Surround 200	Surround Ch.			4			¾	Cone	80-20	88	800,3.5k,7k	8/	8 x 6 x 5	Blk.	Blk.	6	149.00 Each
	Center 50	Ctr. Ch., Bass Ref.		(2)4			1	Dome	80-20	89	3.5k	8/	6 x 12 x 4	Blk.	Blk.	6	149.00 Each	
Center 100	Ctr. Ch., Bass Ref.		(2)4			1	Dome	80-20	90	4.5k	8/	6 x 16 x 4	Blk.	Blk.	8	199.00 Each		
Center 160	Ctr. Ch.		(2)5			1	Dome	75-20	90	2k	8/	6 x 22 x 7	Opt.	Blk.	13	299.00 Each		
Center 200	Ctr. Ch., Bass Ref.		(2)5			1	Dome	70-20	90	2k	8/	8 x 22 x 6	Blk.	Blk.	14	399.00 Each		
Pro 200-EX	Bass Ref.		10			(2)1	Horns	45-20	92	3k	8/	14 x 19 x 13	Blk.	Blk.	21	499.00 Each		
Pro 300-EX	Bass Ref.		12			1	Horn	42-20	94	2k,5k	8/	30 x 19 x 13	Blk.	Blk.	40	699.00 Each		
Pro 400-EX	Bass Ref.		15	1		(3)1	Horns	40-20	95	2k,5k	8/	34 x 19 x 13	Blk.	Blk.	48	899.00 Each		
Pro 1000-EX	Bass Ref. Sub.		(2)15					35-150 Hz	96	150	8/	34 x 24 x 18	Blk.	Blk.	104	1299.00 Each		
Classic 4	Bass Ref.		(2)5½			1	Dome	45-20	90	2.2k	4/	19 x 8 x 10	Mahogany	Blk. Knit	18	275.00 Each		
Classic 6	Bass Ref.		(2)5½			1	Dome	40-20	90	2.5k	4/	33 x 7 x 12	Mahogany	Blk. Knit	30	350.00 Each		

(Continued)



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anchoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance Ohms: Normal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
JAMO HI-FI (Continued)	Classic 8	Bass Ref.	(2)5¼	5¼		1	Dome	35-20	90	700,2.5k	4/	36 x 9 x 12	Mahogany	Blk. Knit	36	425.00 Each	
	Cornet 95 IV	Bass Ref.	(2)8	5¼		1	Dome	40-20	91	800,4k	4/	34 x 10 x 11	Opt.	Blk. Knit	31	799.00 Pair	
	Cornet 75	Bass Ref.	(2)6½	3		1	Dome	43-20	90		6/	30 x 9 x 11	Opt.	Blk. Knit	23	639.00 Pair	
	Cornet 65 IV	Bass Ref.	6½	3		1	Dome	47-20	90	1.5k,5k	8/	17 x 9 x 9	Opt.	Blk. Knit	14	399.00 Pair	
	Cornet 35 IV	Bass Ref.	5¼	4		1	Dome	50-20	89	3k	8/	13 x 8 x 9	Opt.	Blk. Knit	10	279.00 Pair	
	BX 100A	Bass Ref.	8	4		1	Horn	40-20	91	2k,4.2k	8/	21 x 12 x 10	Opt.	Blk. Knit	22	299.00 Each	
	BX 150A	Bass Ref.	10	4		1	Horn	35-20	92	2.3k,5k	8/	25 x 15 x 12	Opt.	Blk. Knit	30	399.00 Each	
	BX 200A	Bass Ref.	12	4		1	Horn	30-20	93	2k,3k	8/	28 x 17 x 13	Blk.	Blk. Knit	39	479.00 Each	
	Indoor/Outdoor	Bass Ref.	4	¾		¾	Dome	80-20	90	4.5k	8/	7 x 5 x 3	Opt.	Opt.	3	119.00 Each	
	Indoor/Outdoor	Bass Ref.	(2)4	¾		¾	Dome	70-20	90	3.5k	4/	6 x 12 x 4	Opt.	Opt.	5	150.00 Each	
	Outdoor II U-50	Bass Ref.		5					80-15	92		8/	10 x 6 x 5	Opt.	Opt.	3	79.00 Each
	JBL	JBL 500	Bass Ref.	No	5¼		2	Cone	75-20 +0,-6	86	2.2k	8/	11 x 7 x 7	Blk. Wood Vinyl	Blk. Knit	7	139.00 Pair
JBL 800		Bass Ref.	No	8		½	Dome	52-20 +0,-6	89	3.2k	8/	19 x 10 x 9	Blk. Wood Vinyl	Blk. Knit	19	259.00 Pair	
JBL Center		Ctr. Ch.; Bass Ref.	Yes	(2)4½		2½	Cone	90-20 +0,-6	90	7.5k	8/	7 x 19 x 6	Blk. Wood Vinyl	Blk. Knit	10	129.00 Each	
HLS 610		Bass Ref.	Yes	6½		¾	Dome/Horn	55-20 ±3	88	2.7k	8/	16 x 9 x 10	Blk.	Blk. Knit	14	319.00 Pair	
HLS 615		Bass Ref.	Yes	6½		¾	Dome/Horn	45-20 ±3	88	2.7k	8/	32 x 9 x 10	Blk.	Blk. Knit	28	230.00 Each	
HLS 620		Bass Ref.	Yes	(2)6½		¾	Dome/Horn	42-20 ±3	89	2.7k	8/	36 x 9 x 12	Blk.	Blk. Knit	35	299.00 Each	
HLS 810		Bass Ref.	Yes	8		¾	Dome/Horn	50-20 ±3	89	2.6k	8/	20 x 10 x 10	Blk.	Blk. Knit	21	379.00 Pair	
HLS 820		Bass Ref.	Yes	(2)8		¾	Dome/Horn	40-20 ±3	90	2.6k	8/	40 x 10 x 12	Blk.	Blk. Knit	39	349.00 Each	
HLS Center		Ctr. Ch.; Bass Ref.	Yes	(2)5¼		¾	Dome/Horn	80-20 ±3	88	2.8k	8/	20 x 7 x 7	Blk.	Blk. Knit	15	229.00 Each	
SVA 1500		Bass Ref.	Yes	(2)5¼		1	Dome/Horn	45-20 +0,-6	88	2.5k	8/	20 x 7 x 11	Blk. Wood Vinyl	Blk. Knit	25	1099.00 Pair	
SVA 1600		Bass Ref.	Yes	(2)6½		1	Dome/Horn	38-20 +0,-6	89	1.75k	8/	36 x 11 x 14	Blk. Wood Vinyl	Blk. Knit	60	649.00 Each	
SVA 1800		Bass Ref.		(2)8		1	Dome/Horn	35-20 +0,-6	92	1.6k	8/	38 x 13 x 16	Blk. Wood Vinyl	Blk. Knit	75	840.00 Each	
SVA 2100		Bass Ref.		(2)10		1½	Dome/Horn	30-20 +0,-6	93	1.2k	8/	43 x 15 x 20	Blk. Wood Vinyl	Blk. Knit	95	1000.00 Each	
SVA Center		Ctr. Ch.; Bass Ref.	Yes	(2)5¼		1	Dome/Horn	45-20 +0,-6	88	2.5k	8/	7 x 20 x 11	Blk. Wood Vinyl	Blk. Knit	25	549.00 Each	
S 2600		Bass Ref.		12		1¾	Horn Compr.	30-20 +0,-6	93	950	6/	39 x 22 x 16	Blk. Wood Vinyl	Blk. Knit	115	2000.00 Each	
S 3100		Bass Ref.		15		1¾	Horn Compr.	30-20 +0,-6	94	750	6/	44 x 22 x 16	Blk. Wood Vinyl	Blk. Knit	125	2500.00 Each	
TLX 105		Bass Ref.	No	5¼		2	Horn Cone	75-20 +0,-6	86	2.2k	8/	11 x 7 x 7	Blk. Wood Vinyl	Blk. Knit	7	99.00 Pair	
TLX 121		Bass Ref.	No	6½		¾	Dome	55-25 +0,-6	89	3k	8/	14 x 8 x 10	Blk. Wood Vinyl	Blk. Knit	11	219.00 Pair	
TLX 151		Bass Ref.	No	8	4	Cone	¾	Dome	50-25 +0,-6	90	600,3k	8/	21 x 10 x 12	Blk. Wood Vinyl	Blk. Knit	21	179.00 Each
TLX 171		Bass Ref.	No	8	4	Cone	¾	Dome	35-25 +0,-6	90	600,3k	8/	34 x 10 x 12	Blk. Wood Vinyl	Blk. Knit	35	219.00 Each
TLX 181		Pas. Rad.; Bass Ref.	No	10	4	Cone	¾	Dome	30-25 +0,-6	90	600,3k	8/	37 x 12 x 12	Blk. Wood Vinyl	Blk. Knit	43	299.00 Each
TLX Movies		Ctr. & Surround Ch.	Yes	(3)4½		2	Cone	100-20 +0,-6		9k	8/	Three Pieces	Blk. Wood Vinyl	Blk. Knit	14 Sys.	139.00 Sys.	
TLX Cinema		5 Sats. & Sub.	Yes	8	(2)5¼, (3)4½	Cones	(3)2	Cones	45-20 +0,-6	89	150,2.2k,9k	8/	Six Pieces	Blk. Wood Vinyl	Blk. Knit	49 Sys.	349.00 Sys.
TLX PS10		Powered Sub.	No	10					30-150 Hz +0,-6				17 x 13 x 17	Blk. Wood Vinyl	Blk. Knit	36	349.00 Each
TLX PS12		Powered Sub.	No	12					23-150 Hz +0,-6				20 x 15 x 17	Blk. Wood Vinyl	Blk. Knit	43	449.00 Each
HP 6		Bass Ref.		6½		1	Dome	65-22 +0,-6	90	4k	8/	17 x 9 x 8	Blk. Wood Vinyl	Blk. Knit	20	300.00 Each	
HP 82		Bass Ref.		8		1	Dome	48-22 +0,-6	91	2.5k	8/	20 x 12 x 9	Blk. Wood Vinyl	Blk. Knit	27	350.00 Each	
HP 8		Bass Ref.		8	5	1	Dome	45-22 +0,-6	91	700,4k	8/	23 x 12 x 9	Blk. Wood Vinyl	Blk. Knit	38	480.00 Each	
HP 88F		Bass Ref.		(2)8	5	1	Dome	40-22 +0,-6	93	700,4k	8/	34 x 12 x 12	Blk. Wood Vinyl	Blk. Knit	45	600.00 Each	
CF 100		Bass Ref.		10	4½	Cone	¾	Dome	34-20 +0,-6	94	1.4k,7k	8/	27 x 13 x 12	Blk. Wood Vinyl	Blk. Knit	32	300.00 Each
CF 120		Bass Ref.		12	4½	Cone	¾	Dome	36-20 +0,-6	96	800,7k	8/	32 x 17 x 15	Blk. Wood Vinyl	Blk. Knit	50	400.00 Each
CF 150		Bass Ref.		15	6¼	Cone	1	Dome	32-20 +0,-6	98	500,5k	8/	35 x 18 x 19	Blk. Wood Vinyl	Blk. Knit	63	500.00 Each
Century Gold CM 40		Bass Ref.		12	5	Cone	1	Dome	38-22 +0,-6	90	600,2.8k	6/	27 x 15 x 13	Mahogany	Blk. Knit	60	2500.00 Each
CM 40 AW		Bass Ref.		4	4				70-16 +0,-6	87		6/	10 x 6 x 4	Blk.	Blk. Metal	6	190.00 Pair
CM 42		Outdoor; Bass Ref.		4	4				70-16 +0,-6	87		6/	10 x 6 x 4	Blk.	Blk. Metal	6	230.00 Pair
CM 42 AW		Bass Ref.		4	4		½	Dome	60-20 +0,-6	88	4k	6/	10 x 6 x 4	Blk.	Blk. Metal	6	250.00 Pair
CM 42V	Outdoor; Bass Ref.		4	4		½	Dome	60-20 +0,-6	88	4k	6/	10 x 6 x 4	Blk.	Blk. Metal	6	270.00 Pair	
CM 52	Bass Ref.		5¼	4		½	Dome	50-20 +0,-6	89	4k	6/	10 x 7 x 7	Blk.	Blk. Metal	8	140.00 Each	
CM 52 AW	Outdoor; Bass Ref.		5¼	4		½	Dome	50-20 +0,-6	89	4k	6/	10 x 7 x 7	Blk.	Blk. Metal	8	190.00 Pair	
CM 52V	Bass Ref.		5¼	4		½	Dome	50-20 +0,-6	89	4k	6/	10 x 7 x 7	Blk.	Blk. Metal	8	320.00 Pair	
CM 62	Bass Ref.		6½	4		½	Dome	45-20 +0,-6	89	3k	6/	15 x 10 x 9	Blk.	Blk. Metal	8	160.00 Each	
SCS110	5 Sats. & Bandpass Sub.		(2)5¼	3½	Cone	¾	Dome	40-20 +0,-3	88	150,3.5k	8/	Six Pieces	Opt.	Opt., Metal	11	400.00 Pair	
SCS115	5 Sats. & Powered Bandpass Sub.		(2)5¼	3½	Cone	¾	Dome	40-20 +0,-3		150,3.5k	8/	Six Pieces	Opt.	Opt., Metal	34 Sys.	1000.00 Sys.	
SCS120	5 Sats. & Powered Bandpass Sub.		(2)8	(2)3½	Cones	¾	Dome	40-20 +0,-3		120,3.5k	8/	Six Pieces	Opt.	Opt., Metal	41 Sys.	1200.00 Sys.	
(Continued)																	56 Sys. 1600.00 Sys.



# is better

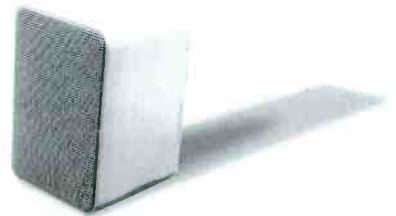
# s m a l l e r

In 1974 a/d/s/ set the audio community on its **ear** with the world's first truly high performance minispeaker. Developed to prove a bet between two speaker engineers, the original L200 was capable of amazing bass extension from its **pint-sized** enclosure.

Unlike common plastic speakers, their **secret** lies in a special vibration-damping aluminum chassis, an innovation found in every minispeaker we make.

Today's mini monitors from a/d/s/ have evolved to provide design, flexibility, and a carefully considered range of **choices**. But with a/d/s/ there is one choice you don't have to make: whether or not to have the best possible sound reproduction **wherever** you want.

**Only speakers built this well can sound this good.**



analog and digital systems, inc. one progress way, wilmington, massachusetts 01887 USA. phone: 508.658.5100 e-mail: sales@ads.adst.com dealerlist@ads.adst.com

made  
in the  
USA



# a/d/s/

analog and digital systems

CIRCLE NO. 65 ON READER SERVICE CARD



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
JBL (Continued)	ESC 300 (w/remote)	5 Sats. & Powered Sub.	Yes	8	2½	Cone	(5)½	Domes	35-20 +0,-6				Six Pieces	Blk.	Blk.	40 Sys.	1099.00 Sys. w/Amp & Processor 329.00 Each
	PSW 800	Powered Sub.	No	8					45-150 Hz +0,-6				9 x 14 x 13	Blk. Wood Vinyl	Blk. Knit	23	400.00 Each
	PSW 1000	Powered Sub.		10					30-150 Hz +0,-6		90-150 (Var.)		12 x 18 x 17	Blk. Wood Vinyl	Blk. Knit	36	500.00 Each
	PSW 1200	Powered Sub.		12					23-150 Hz +0,-6		90-150 (Var.)		14 x 21 x 17	Blk. Wood Vinyl	Blk. Knit	43	330.00 Each
	Sub 6	Powered Sub.		6½					40-200 Hz +0,-6		90-200 (Var.)		17 x 13 x 11	Blk.	Blk. Metal	26	480.00 Each
	Sub 10	Powered Sub.		10					38-200 Hz +0,-6		90-200 (Var.)		24 x 18 x 14	Blk.	Blk. Metal	48	160.00 Sys.
	Flix 1	Ctr. & Surround Ch.		(3)4½			2	Cone	100-20 +0,-6	87	9k	8/	Three Pieces	Blk. Wood Vinyl	Blk. Knit	14 Sys.	230.00 Sys.
	Flix 2	Ctr. & Surround Ch.		(3)4½			2½, ½	Cone, Dome	90-20 +0,-6	90		8/	Three Pieces	Blk. Wood Vinyl	Blk. Knit		
	AS-5	In-Wall		5¼			1	Dome	50-20 +0,-6	88	6k	8/	11 x 8	Wht.	Metal		125.00 Each
	AS-6	In-Wall		6½			1	Dome	40-20 +0,-6	89	5k	8/	13 x 8	Wht.	Metal		175.00 Each
	AS-8	In-Wall		8			1	Dome	35-20 +0,-6	87	5k	8/	15 x 11	Wht.	Metal		225.00 Each
	AS-65C	In-Wall/In-Ceiling		6½			½	Dome	45-20 +0,-6	89	7k	8/	8 Dia.	Wht.	Metal		100.00 Each
	AS-Sub	In-Wall; Sub.		8					32-300 Hz +0,-6	87	300	8/	12 x 12	Wht.	Metal		250.00 Each
	WRKW 1000	Wireless; Powered		4			1½	Cone	40-20 +0,-6		3k		8 x 6 x 6	Blk.	Blk. Metal	12 Sys.	280.00 Pair w/Transmitter
Media 100	Multimedia	Yes	4	3				75-20 +0,-6				8 x 4 x 6	Gray	Gray		69.00 Pair	
Media 200	Multimedia	Yes	4	3	Cone	1	Dome	60-20 +0,-6				11 x 5 x 8	Gray	Gray		89.00 Pair	
Media 2000	Multimedia	No	4					70-20 +0,-6				7 x 3 x 7	Gray	Gray		129.00 Pair	
Media Sub 2000	Multimedia; Powered Sub.	No	4					40-120 Hz +0,-6				10 x 5 x 11	Gray	Gray		129.00 Each	
Media System 2000	Multimedia; Sats. & Powered Sub.	Yes	4			3	Cone	40-20 +0,-6				Three Pieces	Gray	Gray		199.00 Sys.	
JENSEN	CS-315	Ctr. Ch.	No	15	5	Cone	3		41-20	90		8/	34 x 17 x 12	Blk. Ash		199.95 Pair	
	JHC-511	Powered Sub.	Yes	5¼			2		80-160 Hz	90		8/	11 x 12 x 12	Blk. Ash		59.95 Each	
	CS-10	Powered Sub.	No	10					30-180 Hz	90		8/	15 x 15 x 15	Blk. Ash		249.95 Each	
	CS-12	Powered Sub.	No	12					41-20	90		8/	34 x 17 x 11	Oak		299.95 Each	
	JHS-1533		No	15	5	Cone	2½		41-20	90		8/	16 x 9 x 7	Oak		199.95 Pair	
	JHS-1543		No	15	(2)5	Cones	2½		39-20	90		8/	16 x 9 x 7	Oak		249.95 Pair	
	SBC-65		No	6½			3		60-20	89		8/	16 x 9 x 7	Blk. Ash		124.95 Each	
	JHS-1511	Surround Ch.	No	5¼			2		50-20	90		8/	Six Pieces	Oak		59.95 Pair	
	JHT-2000	Main Ch., Ctr. Ch., Surround Ch. & Powered Sub.	Yes	(5)4			(5)2		55-20	90		8/	Six Pieces	Blk.		500.00 Sys.	
	JHT-1000	Main Ch., Ctr. Ch., Surround Ch. & Powered Sub.	Yes	6½	(2)4, (2)5¼, (2)3½		(2)2¼, 2		120-20			6/	5 x 8 x 5	Gray		199.00 Pair	
	JPS-453D	Multimedia	Yes	3½	3¼		2		120-20				5 x 8 x 5	Opt. Gray		129.00 Pair	
	JPS-45	Multimedia	Yes	3¼	3¼				120-20				5 x 8 x 5	Opt. Gray		79.00 Pair	
	JPS-35	Multimedia	Yes	2½	2½				120-20					Gray		49.00 Pair	
JPS-25	Multimedia	Yes	3¼			2	Dome	120-20			6/		Gray		49.00 Pair		
JPS-40	Multimedia	Yes	3¼										Gray		49.00 Pair		
JMIab	Utopia	Bass Ref.	No	13	(2)6½	Cones	1¼	Dome	25-25 +0,-3		4/3.3	53 x 17 x 25	Opt.			277	28,500 Pair
	Vision 5	Bass Ref.	No	5			1	Dome	75-20 ±3		8/7.1	12 x 8 x 5	Blk. Ash			7	550.00 Pair
	Vision 10	Bass Ref.	Yes	(2)5			1	Dome	50-20 ±3		8/4.3	7 x 19 x 9	Blk. Ash			16	430.00 Each
	Daline 6.1	Trans. Line		(2)6½			1¼	Dome	35-23 ±3	90	8/5.1	46 x 8 x 11	Opt.			48	2295.00 Pair
	Daline 3.1	Trans. Line		5			1¼	Dome	40-23 ±3	89	8/4.1	39 x 7 x 9	Opt.			34	1345.00 Pair
	Spectral 909.1	Bass Ref.		(2)7	5	Cone	1¼	Dome	40-23 ±3	91	4/3.5	42 x 11 x 14	Opt., Wood			75	3395.00 Pair
	Spectral 913.1	Bass Ref.		(2)8	5	Cone	1¼	Dome	35-25 ±3	91.5	4/3.5	44 x 11 x 15	Opt., Wood			86	4295.00 Pair
	Antea	Bass Ref.		10	5	Cone	1¼	Dome	32-25 ±3	92	4/3.5	45 x 14 x 17	Opt., Wood			107	6595.00 Pair
	Aicor	Bass Ref.		10	(2)5	Cones	1¼	Dome	27-25 ±3	92.5	4/3.5	48 x 16 x 19	Opt., Wood			187	10,995 Pair
	Grande Utopia	Sealed & Bass Ref.		15, 11	(2)6½	Cones		Dome	20-25 ±3	94	4/3	70 x 20 x 30	Wood			409	70,000 Pair
	Micron Carat	Bass Ref.		5			1¼	Dome	60-23 ±3	88.5	8/4.1	12 x 8 x 8	Opt.			11	745.00 Pair
	Megane Carat	Bass Ref.		7			1¼	Dome	55-23 ±3	91	8/4.1	16 x 9 x 11	Opt.			19	1095.00 Pair
	Profil 55	Bass Ref.		(2)5			1¼	Dome	50-23 ±3	90	8/4	37 x 8 x 10	Blk.			32	1095.00 Pair
	Profil 66	Bass Ref.		(2)6½			1¼	Dome	45-23 ±3	91	8/4	38 x 8 x 11	Opt.			38	1395.00 Pair
	Profil 77	Bass Ref.		(2)7			1¼	Dome	40-23 ±3	91	8/4.7	40 x 9 x 11	Opt., Wood			52	1895.00 Pair
	Centris	Ctr. Ch.; Bass Ref.		(2)6½			1¼	Dome	50-23 ±3	91	8/5	10 x 22 x 11	Opt.			31	795.00 Each
	Centris K2	Ctr. Ch.; Bass Ref.		(2)6½			1¼	Dome	45-23 ±3	90.5	8/5	10 x 22 x 11	Opt.			31	895.00 Each
	Sois	Ctr. Ch.; Bass Ref.		(2)5			1¼	Dome	55-23 ±3	90.5	8/4.3	7 x 19 x 9	Dpt.			20	595.00 Each
	Scenic	Bass Ref. Sat.		5			1¼	Dome	75-23 ±3	88	8/7.1	12 x 8 x 5	Opt.			8	795.00 Pair
	Chorus	Bass Ref. Sat.		(2)5			(2)1¼	Domes	50-23 ±3	88	8/5	12 x 17 x 8	Opt.			24	1695.00 Pair
	Chorus K2	Bass Ref. Sat.		(2)5			(2)1¼	Domes	45-23 ±3	87.5	8/5	12 x 17 x 8	Opt.			24	1895.00 Pair
	SW 27A	Powered		10					35-180 Hz ±3				16 x 13 x 20	Opt.		51	995.00 Each
	SW 32A	Bass Ref. Sub.		13					30-180 Hz ±3				19 x 15 x 24	Blk.		70	1695.00 Each
	SW 38A	Powered		15					25-180 Hz ±3				22 x 17 x 27	Blk.		110	2395.00 Each
	Symbol 5	Bass Ref. Sub.		5				Dome	78-19 ±3	88	8/6.3	10 x 7 x 6	Gray			6	300.00 Pair
	Symbol 6	Bass Ref.		6½				Dome	65-19 ±3	90	8/4.5	14 x 8 x 9	Blk.			11	400.00 Pair
	Symbol 7	Bass Ref.		7				Dome	60-19 ±3	91	8/4	17 x 9 x 10	Blk.			15	550.00 Pair
Symbol 8	Bass Ref.		8				Dome	55-19 ±3	92.5	8/4.6	20 x 11 x 11	Blk.			24	650.00 Pair	
Symbol 10	Ctr. Ch.; Bass Ref.		(2)5				Dome	75-19 ±3	90	8/5.7	7 x 18 x 8	Blk.			15	300.00 Each	
Symbol 12	Bass Ref.		(2)6¼				Dome	52-20 ±3	91	8/4.1	37 x 8 x 10	Blk.			30	800.00 Pair	
Symbol SW8	Powered							40-180 Hz ±3				20 x 9 x 13	Blk.		27	650.00 Each	
Symbol 15	Bass Ref. Sub.		No	(2)7		¾	Dome	45-20 ±3			8/4	38 x 9 x 11	Blk. Ash	Blk. Knit	40	1000.00 Pair	
JOSEPH AUDIO (Continued)	RM7si	Inf Slope	Opt.	6½			1	Dome	45-20 ±2	86	2k	8/7	15 x 9 x 12	Opt.	Blk. Knit	25	1299.00 Pair
	RM7si Signature	Inf Slope	Opt.	6½			1	Dome	42-20 ±2	86	2k	8/7	15 x 9 x 12	Opt.	Blk. Knit	26	1699.00 Pair



# "I'D GIVE IT

## ...IF CELESTION HADN'T BEATEN ME TO IT."

—D.B. Keele, Jr. on the new Celestion A3, *Audio* August 1997

As more and more sophisticated technologies arrive that are capable of reproducing music with unbelievable detail and nuance, the performance bar is inevitably raised for loudspeaker manufacturers.

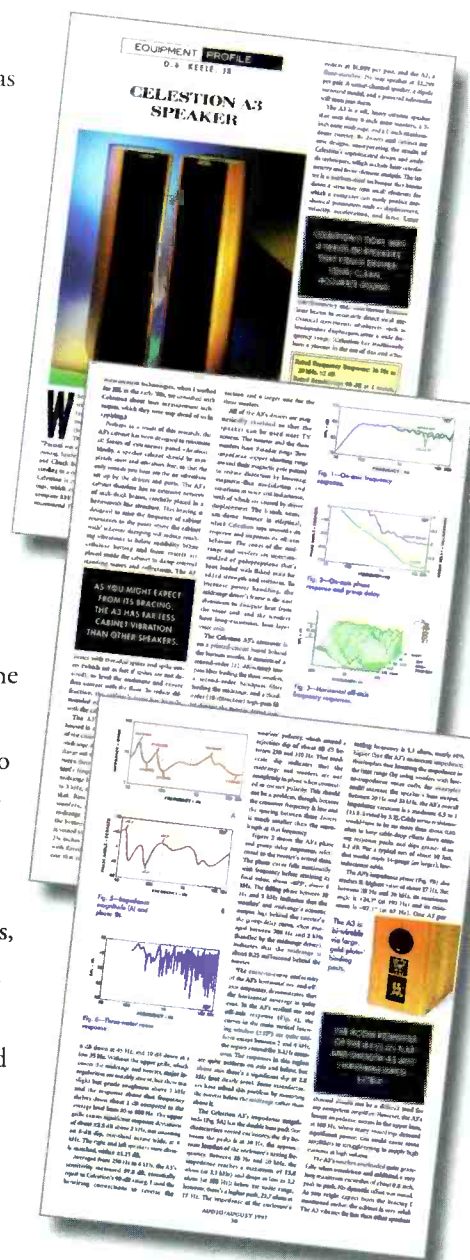
**"THE ROOM RESPONSE OF THE A3 IS AS FLAT AND SMOOTH AS ANY I HAVE MEASURED..."**

And no company has set the bar higher than Celestion with our new A Series loudspeakers. A fact clearly noticed by D.B. Keele, Jr. in the August issue of *Audio* magazine.

No matter what source materials he selected, from Mozart symphonies to movie soundtracks, Keele was amazed by the A3's performance. He wrote that "their dynamic range and effortlessness border on the best I have ever heard" and that "their imaging and localization could not be faulted."

Even more impressive was what happened when he compared the Celestion A3s to the reference speakers in his home system, remarking how the Celestion A3 "exceeded the dynamic range and bass output," of his reference speakers while noting that the A3s "costs less than half as much."

But our intention with the Celestion A3, and the entire A Series, was not to provoke comparisons but to set standards. All of the drivers are totally new designs. The tweeters, for example, are based on Finite Element Analysis, a Celestion R&D method that ensures greater consistency and superior acoustics.





# ANA...

For the drivers, Celestion uses Faraday Rings that optimize dynamics by stabilizing magnetic flux, increasing output and reducing distortion. The injection molded woofer cones are specifically strengthened around the voice coil to achieve greater accuracy across the entire frequency range.

**“WILL THE A3 PLAY LOUD  
AND CLEAN? IN SPADES!  
ITS BASS OUTPUT  
SURPASSES EVEN THAT  
OF SOME SUBWOOFERS.”**

In fact, there is so much advanced technology in our new A Series loudspeakers it fills a White Paper. Call us and we'll send you a free copy as well as full literature on the speakers and copies of the *Audio* review.

Once you've read the Celestion story and heard the Celestion sound, you'll see why D.B. Keele, Jr. and *Audio* gave us an A. And why it's time for other speaker companies to go back to school.



## CELESTION

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CIRCLE NO. 64 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
JOSEPH AUDIO (Continued)	RM22si Signature	Inf. Slope	Opt.	6½			1	Dome	38-20 ±2	86	2k	8/7	36 x 9 x 10	Opt.	Blk. Knit	47	2299.00 Pair	
	RM30si	Inf. Slope	No	8			1	Dome	32-20 ±2	88	200.2k	8/7	40 x 12 x 15	Opt.	Blk. Knit	94	3999.00 Pair	
JPW	ML 310	Bass Ref.	No	4			¾	Dome		87		6/7	12 x 7 x 7	Opt.	Gray Knit	7	250.00 Pair	
	ML 510	Bass Ref.	No	5¼			¾	Dome		88		6/7	13 x 8 x 12	Opt.	Gray Knit	9	350.00 Pair	
	ML 610	Bass Ref.	No	6½			1	Dome		89		6/7	16 x 9 x 12	Opt.	Gray Knit	14	450.00 Pair	
	ML 710	Bass Ref.	No	5¼			¾	Dome		89		6/7	32 x 8 x 12	Opt.	Gray Knit	23	650.00 Pair	
	ML 810	Bass Ref.	No	6½			1	Dome		91		6/7	34 x 9 x 12	Opt.	Gray Knit	30	750.00 Pair	
	ML 910	Bass Ref.	No	6½	4	Cone	¾	Dome		91		6/7	39 x 9 x 12	Opt.	Gray Knit	35	850.00 Pair	
	ML 1010	Bass Ref.	No	(2)6½	4	Cone	¾	Dome		92		6/7	43 x 9 x 16	Opt.	Gray Knit	51		
	SS 551	Bass Ref.	No	5¼			¾	Dome		89		6/7	15 x 8 x 10	Opt., Wood	Gray Knit	17	550.00 Pair	
	SS 553	Bass Ref.	No	6½	5¼	Cone	1	Dome		90		6/7	34 x 8 x 10	Opt., Wood	Gray Knit	29	980.00 Pair	
	CC 50	Ctr. Ch.; Bass Ref.	Yes	(2)4			¾	Dome		90		6/7	6 x 17 x 12	Opt.	Gray Knit	15	250.00 Each	
	CC 70	Ctr. Ch.; Bass Ref.	Yes	(2)5¼			¾	Dome		90		6/7	7 x 17 x 12	Opt.	Gray Knit	19	350.00 Each	
	SW 60	Powered Bass Ref. Sub.	No	10			¾	Dome		90	Var.	6/7	16 x 21 x 14	Opt., Wood	Gray Knit	58	850.00 Each	
	SW 120	Powered Bass Ref. Sub.	No	12							Var.		20 x 21 x 16	Opt., Wood	Gray	70	1250.00 Each	
	IC 50	In-Ceiling	No	5¼			½	Dome				8/8	8 Dia.					
	IW 51	In-Wall	No	5¼			1	Dome				8/8	11 x 8					
	IW 61	In-Wall	No	6½			1	Dome		90		8/8	12 x 9					
	IW 81	In-Wall	No	8			1	Dome		88		8/8	14 x 10					
Ruby 2	Bass Ref.	No	7			1	Dome		88		6/6	17 x 9 x 10	Opt., Wood	Blk. Knit	19	1195.00 Pair		
Ruby 4	Bass Ref.	No	(2)7			1	Dome		89		6/6	35 x 9 x 10	Opt., Wood	Blk. Knit	40	2295.00 Pair		
JRM	Reference System Monitor I	Powered		(2)18, (8)8		Horn	1½	Horn	18-20		125, 1k, 7k		Nine Pieces	Opt.	Opt.		26, 100 Sys.	
	Monitor II	Powered		15, (2)8	(2)3	Cones	(2)1½	Horns	18-20		150, 1k, 5k		Three Pieces	Opt.	Opt.		8640.00 Sys.	
	S18B	QB3 Vented Sub.		(2)15, (2)8	(2)3	Cones	(2)1½	Horns	18-20		150, 1k, 5k		Four Pieces	Opt.	Opt.		10,800 Sys.	
	S18B-5	Powered Sub.		18					30-250 Hz ±1.5	95	Sel.	8/6	Opt., 8 Cu. Ft.	Opt.	Opt.	150	1350.00 Each	
	S15A	QB3 Vented Sub.		15					20-200 Hz ±1.5		Sel.		Opt., 8 Cu. Ft.	Opt.	Opt.		3100.00 Each	
	S15A-5	Powered Sub.		15					30-300 Hz ±1.5	92	Sel.	8/6	Opt., 6 Cu. Ft.	Opt.	Opt.	130	1170.00 Each	
	D15A-5	Powered Sub.		(2)15					20-250 Hz ±1.5		Sel.		Opt., 4 Cu. Ft.	Opt.	Opt.		2900.00 Each	
JS AUDIO	Center Bipolar	Ctr. Ch.; Ac. Sus. Bipolar Surround	Opt.	(2)6½	5	Cone	1	Dome	50-20 ±2	92	600, 4k	6/8	26 x 9 x 6	Opt.	Opt.	25	600.00 Each	
	26J	Vented	Opt.	6½	(2)5	Cones	(2)1	Domes	60-22 ±4	92	300, 4k	6/6	11 x 11 x 5	Opt.	Opt.	20	900.00 Pair	
	26P	Vented	Opt.	6			1	Dome	46-21 ±4	94	2.5k	8/8	12 x 8 x 8	Opt.	Opt.	18	450.00 Pair	
	28P	Vented	Opt.	8			1	Dome	40-22 ±3	92	2.5k	8/8	16 x 10 x 11	Opt.	Opt.	23	650.00 Pair	
	38P	Vented	Opt.	8	3	Cone	1	Dome	38-22 ±4	91	2.5k	8/8	19 x 12 x 10	Opt.	Opt.	25	650.00 Pair	
	310P	Vented	Opt.	10	5	Cone	1	Dome	32-22 ±3	93	700, 4k	8/8	19 x 12 x 10	Opt.	Opt.	33	1100.00 Pair	
	412P	Vented	Opt.	12	5	Cone	(2)1	Dome	28-22 ±3	95	700, 4k	8/8	24 x 14 x 10	Opt.	Opt.	60	1600.00 Pair	
	415P	Vented	Opt.	15	5	Cone	(3)1	Horn, Dome, Horns	24-23 ±3	98	600, 4k, 10k	8/8	27 x 16 x 12	Opt.	Opt.	75	2100.00 Pair	
	612P	Vented	Opt.	(2)12	(2)5	Cones	(4)1	Domes	22-24 ±3	99	600, 4k, 12k	8/8	36 x 19 x 12	Opt.	Opt.	100	2900.00 Pair	
	412T	Vented	Opt.	(2)12	5	Cone	(2)1	Domes	24-23 ±3	99	600, 4k, 10k	8/4	74 x 16 x 12	Opt.	Opt.	150	4800.00 Pair	
	Mesa II	Trans. Line	Opt.	12	2	Dome	1½, 1	Horn	24-23 ±3	98	600, 4k, 10k	8/8	33 x 8 x 16	Opt.	Opt.	65	2500.00 Pair	
	DC I	Vented Sub.	Opt.	(2)10	(2)4	Cones	(4)1	Domes	25-25 ±2	90	400, 3k, 10k	8/8	33 x 16 x 15	Opt.	Opt.	90	4000.00 Pair	
	310N	Vented	Opt.	15			(4)1	Domes	22-20 ±2	96	400, 4k, 10k	8/8	61 x 8 x 16	Opt.	Opt.	100	5400.00 Pair	
415 15	Vented	Opt.	10	4	Cone	1	Dome	20-120 Hz	91	120	8/4	18 x 18 x 19	Opt.	Opt.	78	950.00 Each		
JVC	SX-SW9	Sats. & Sub.	Yes	(2)5¾	4	Cone	1	Dome	32-22 ±3	91	700, 3k	8/8	24 x 14 x 10	Opt.	Opt.	60	1700.00 Pair	
	SP-XS6BK	Surround Ch.; Ac. Sus.	Yes	7	7	Cone	1	Dome	24-22 ±3	96	300, 600, 4k, 10k, 14k	8/8	48 x 19 x 12	Opt.	Opt.	125	3800.00 Pair	
	SP-X5TH	Surround Ch.; Ac. Sus. Ctr. & Surround Ch.	Yes	4	4	Cone	2	Cone	45-16			6/8	Three Pieces	Metal, Wood Simulated	Blk. Metal; Gray Metal	32 Sys. 10	499.95 Sys. 180.00 Pair	
	SX-PRO3	Powered	Yes	5	5	Cone	1	Dome	50-12			8/8	8 x 27 x 8	Opt.	Blk. Metal	10		
	SX-ST1	Powered; Sats. & Sub.	Yes	5			4	Cone	75-20			8/8	Three Pieces	Gray	Blk. Knit	10 Sys. 39	170.00 Sys. 770.00 Pair	
	SX-F7TH	Sats. & Sub.	Yes	7	7	Cone	1	Dome	30-20			6/6	10 x 40 x 16	Opt.	Gray Knit	31	w/Processor 550.00 Sys. w/Processor 440.00 Pair	
KEF	TDM 45 B	THX; Powered Sub.	Yes	15					32-20 ±3			8/8	10 x 40 x 16	Opt.	Blk. Knit	31	300.00 Sys.	
	TDM 34 DS	THX; Dipole Surround	No	6x9	(2)6½	Cones	¾	Dome	45-16			8/8	Three Pieces	Blk. Gray	Blk. Knit	31		
	TDM 23 C	THX; Ctr. Ch.; Horizontal	Yes	(2)6x9	(2)3	Cones	¾	Dome	45-16			8/8	10 x 27 x 8	Opt.	Opt.	22	1000.00 Pair	
	TDM 23 F	THX; Main or Ctr. Ch.; Vertical	Yes	(2)6x9	(2)3	Cones	¾	Dome	75-20			8/8	Three Pieces	Gray	Opt.	Opt.	33	600.00 Each
	65 DS	Dipole Surround	No	5			(2)3	Cones	30-20			6/6	10 x 40 x 16	Opt.	Blk. Metal	31		
	Q95 C	Reference	Yes	6½			¾	Dome	30-20			8/8	Three Pieces	Gray	Blk. Metal	31		
	THX AV1	THX; Coupled-Cavity, Powered Sub.	No	(2)10			¾	Dome	32-20 ±3	87	230	8/8	9 x 14 x 7	Opt.	Opt.	18	500.00 Pair	
	Reference Three	Coupled Cavity	Yes	(2)8	(2)6½	Cones	1	Dome	85-20 ±3	91	3.3k	4/4	7 x 16 x 7	Opt., Matte Gray	Opt., Gray Knit	9	349.00 Each	
(Continued)	Reference Two	Coupled Cavity	Yes	(2)6½	6½	Cones	1	Dome	22-150 Hz ±3	91	50-150 (Adj.)	4/4	17 x 22 x 20	Opt., Wood	Opt., Wood	118	3500.00 Each	
	Reference One	Coupled Cavity	Yes	(2)10	(3)6½	Cones	1	Dome	35-20 ±3	92	150, 400, 3k	4/4	50 x 12 x 19	Opt., Wood	Blk. Knit	110	5200.00 Pair	
	Reference Two	Coupled Cavity	Yes	(2)8	(2)6½	Cones	1	Dome	40-20 ±3	90	150, 400, 3k	4/4	45 x 11 x 16	Opt., Wood	Blk. Knit	90	3300.00 Pair	
	Reference Two	Coupled Cavity	Yes	(2)6½	6½	Cones	1	Dome	45-20 ±3	91	150, 3k	4/4	40 x 9 x 14	Opt., Wood	Blk. Knit	50	2500.00 Pair	



# Wanted: Two Studs.



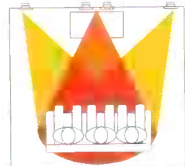
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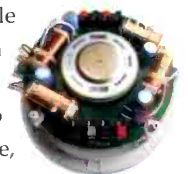
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CIRCLE NO. 103 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
KEF (Continued)	Reference One	Coupled Cavity Ctr. Ch., Vented Ctr. Ch. or Surround; Vented Front or Surround; Sealed Main Ch.; Coupled Cavity Main or Surround; Vented Front or Surround; Vented		6½	6½	Cone	1	Dome	55-20 ±3	89	130,3k	4/4	35 x 9 x 14	Opt., Wood	Bk. Knit	40	1600.00 Pair
	Reference 100			6½			1 ¼	Dome	70-20 ±3	90	2.5k	6/4	7 x 18 x 7	Gray	Bk. Knit	12	500.00 Each
	Reference 90 SE			6½			¾	Dome	80-20 ±3	87	2.5k	6/4	7 x 16 x 7	Opt.	Opt., Knit	9	300.00 Each
	Reference 70s			6½		¾	Dome	120-20 ±3	87	3k	6/	10 x 7 x 5	Gray	Gray Mesh	7	500.00 Pair	
	Coda 9			6½	6½	Cone	1	Dome	40-20 ±3	91	6/	34 x 8 x 11	Bk. Ash	Bk. Knit	22	450.00 Pair	
	Coda 8			6½			1	Dome	45-20 ±3	91	6/	13 x 8 x 11	Bk. Ash	Bk. Knit	13	300.00 Pair	
	Coda 7			5¼			1	Dome	48-20 ±3	91	6/	12 x 7 x 10	Bk. Ash	Bk. Knit	9	220.00 Pair	
	60s			5¼		¾	Dome	100-20 ±3			4/	10 x 6 x 8	Gray	Gray Knit		330.00 Pair	
	200c			(2)6½	6½	Cone	1	Dome	55-20 ±3	90	400,2.7k	4/	7 x 30 x 7	Gray	Bk. Knit	24	950.00 Each
	80c			5½		¾	Dome	80-20 ±3			4/	6 x 18 x 7	Gray	Gray Knit		200.00 Each	
	30b			12					45-180 Hz ±3			4/	15 x 15 x 17	Gray	Gray Knit		700.00 Each
	20b			10					45-150 Hz ±2		Var.		13 x 12 x 13	Gray	Bk. Knit	21	700.00 Each
Ci-200 QT	In-Ceiling; Motorized Positioning		8			1	Dome	60-20 ±3	90	3.5k	8/	14 x 11 x 8	Wht.	Wht. Mesh			
Ci-200 Q	In-Wall/In-Ceiling		8			1	Dome	50-20 ±3	90	3.5k	8/	11 x 11 x 4	Wht.	Wht. Mesh			
Ci-160 Q	In-Wall/In-Ceiling		6½			¾	Dome	60-20 ±3	87	3.5k	8/	9 x 9 x 4	Wht.	Wht. Mesh			
Ci-160 F	In-Wall/In-Ceiling		6½					60-16 ±3	87		8/	9 x 9 x 4	Wht.	Wht. Mesh			
Ci-130 DS	In-Wall Surround; Bipole/Dipole		5½			(2)2½	Cones				4/	15 x 11 x 4	Wht.	Wht. Mesh			
Ci-130 Q	In-Wall/In-Ceiling		5½			¾	Dome	75-20 ±3		3.5k	8/	8 x 8 x 4	Wht.	Wht. Mesh			
Ci-130 F	In-Wall/In-Ceiling			5½				75-16 ±3	86	86	8/	8 x 8 x 4	Wht.	Wht. Mesh			
KENWOOD	KVS-400	Ported	No	(2)8	4	Cone	¾	Dome		90	900,2.5k, 4.8k	8/	38 x 11 x 12	Bk.	Bk. Knit	40	350.00 Pair
	KVS-300	Ported		8	4	Cone	¾	Dome		90	3k,5k	8/	35 x 11 x 12	Bk.	Bk. Knit	34	250.00 Pair
	KVS-200	Ported		6½		¾	Dome		90	8k	8/	18 x 9 x 9	Bk.	Bk. Knit	15	170.00 Pair	
	KVS-50	Ctr. Ch., Ac. Sus.	Yes	(2)5		¾	Dome	80-20			8/	7 x 20 x 6	Bk.	Bk. Knit	11	150.00 Each	
	KVS-60	Ctr. Ch., Ac. Sus.	No	5	(2)3	Cones	¾	Cone	100-20		8/	11 x 8 x 6	Bk.	Wht.	9	150.00 Pair	
	KVS-P56	KVS-50 & 2 KVS-60									8/	Three Pieces				300.00 Sys.	
	KVS-P456	2 KVS-400, KVS-50 & 2 KVS-60									8/	Five Pieces				650.00 Sys.	
	KVS-P356	2 KVS-300, KVS-50 & 2 KVS-60										Five Pieces				550.00 Sys.	
	KVS-P256	2 KVS-200, KVS-50 & 2 KVS-60										Five Pieces				470.00 Sys.	
	SW-X1	THX: Sub		12	(2)1		¾	Dome		87.5		8/7.8		Bk.		66	500.00 Each
LS-X1F	THX: Front Ch.		(2)5¼	(2)3	Domes	¾	Dome		87		8/		Bk.		22	500.00 Each	
CRS-300	THX: Surround Ch. & Surround Ch., Ac. Sus.		(2)5	(2)3	Cones	¾	Dome		86		8/		Wht.		15	600.00 Pair	
STS-1000	Powered Main Ch., Powered Ctr. Ch. & Dipole Surround		(2)5	(4)4		(5)3						Three Pieces	Bk.	Bk. Knit		100.00 Sys.	
KHARMA	Exquisite Reference 1a	Vented	No	12	7	Cone	1	Dome	30-25 ±3	90	250,2k	8/	45 x 28 x 16	Opt.	None	552	56.999 Pair
	Audiocratique 1B	Vented	No	(2)11	(2)5	Cones	1	Dome	25-25 ±3	92	200,2k	4/	80 x 22 x 16	Opt.	Bk. Knit	375	61.999 Pair
	Ceramique 2.0	Vented	No	11	5	Cone	1	Dome	30-25 ±3	90	200,2k	8/	44 x 20 x 16	Opt.	Bk. Knit	139	12.999 Pair
	Ceramique 1.0	Vented	No	9	5	Cone	1	Dome	35-25 ±3	89	200,2k	8/	40 x 18 x 14	Opt.	Bk. Knit	103	97.999 Pair
	Ceramique 3.0	Vented	No	7		1	Dome	35-25 ±3	86	1.75k	8/	36 x 16 x 12	Opt.	Bk. Knit	70	6499.00 Pair	
	Divine 1a	Vented	No	8		1	Dome	30-25 ±3	89	2k	8/	48 x 14 x 15	Opt.	Bk. Knit	104	6289.00 Pair	
	Divine 2a	Vented	No	8		1	Dome	30-25 ±3	89	2k	8/	48 x 14 x 15	Opt.	Bk. Knit	103	4499.00 Pair	
	Divine 3a	Vented	No	7		1	Dome	35-25 ±3	89	2k	8/	46 x 14 x 14	Opt.	Bk. Knit	73	3799.00 Pair	
	Divine HTS	Vented	Yes	5		1	Dome	60-25 ±3	86	2k	8/	11 x 7 x 9	Opt.	Bk. Knit	11	1999.00 Pair	
	KINETIC AUDIO	Exception	TAL (Tapered Acoustic Line)		8 or 6½			1	Dome	38-22 ±2	91	1.8k/2.8k (Sel.)	Sel.	10 x 10 x 26	Opt., Wood	Bk. Knit	65
Inversion		TATL (Tapered Ac. Trapezoid Line)		12	2	Dome	1	Dome	18-22 ±2	91	900,5k	Sel.	15 x 15 x 40	Opt., Wood	Bk. Knit	95	6000.00 Pair
Refined		TATL		12	6½	Cone	2.1	Domes	18-22 ±2	90	90,1k,5k	Sel.	15 x 16 x 48	Opt., Wood	Bk. Knit	140	8500.00 Pair
Ethereal		TATL		12	6½	Cone	2.1	Domes	12-22 ±1.5	90	90,1k,5k	Sel.	15 x 18 x 54	Opt., Wood	Bk. Knit	185	11,000 Pair
Nonpareil		TATL		12	6½	Cone	2.1½,1	Domes	12-22 ±1.5	90	90,1k,5k,9k	Sel.	15 x 20 x 60	Opt., Wood	Bk. Knit	265	15,000 Pair
Stat		TAL		6½		1	Dome	38-22 ±3	91	2k	6/	9 x 15 x 9	Opt., Wood	Bk. Knit	35	3000.00 Pair	
Identity (Impulse)		TATL		12	6½	Cone	1	Dome	18-22 ±2.5	91	180,2k	8/	15 x 15 x 26	Opt., Wood	Bk. Knit	95	5000.00 Pair
Trapezoid		TATL		12	6½	Cone	1½,1	Domes	18-22 ±2.5	90	180,2k,5k	8/	16 x 15 x 40	Opt., Wood	Bk. Knit	120	7000.00 Pair
Labyrinth		TATL		12	6½	Cone	2.1	Domes	16-22 ±2	90	90,1k,5k	6/	16 x 18 x 48	Opt., Wood	Bk. Knit	185	9000.00 Pair
Inclusive Series		TATL Tower	No	12	6½	Cone	2.1	Domes	18-22 ±2.5	91	90,1k,5k	8/3	15 x 48 x 18	Opt., Wood Ven.	Opt., Knit	245	12,000 Pair
Labyrinth																	
Inclusive Series Standard		Dual TATL Tower	No	(2)12	6½	Cone	2.1½,1	Domes	14-22 ±2	90	90,1k,4k,9k	4/2	18 x 72 x 22	Opt., Wood Ven.	Opt.	405	20,000 Pair
Trapezium Standard (Titan)		TATL		12	6½	Cone	2.1,¾	Domes	12-22 ±2	90	90,1k,5k,9k	6/	16 x 20 x 72	Opt., Wood Ven.	Bk. Knit	250	12,000 Pair
		TATL		(2)12	6½	Cone	2.1,¾	Domes	12-22 ±2	91	60,90,1k, 5k,9k	6/	18 x 22 x 72	Opt., Wood	Bk. Knit	295	14,000 Pair
Event Nouveau		TAL		6½		1	Dome	40-20 ±3.5	90	2k	Sel.	8 x 7 x 12	Oak	Knit	25	850.00 Pair	
	TAL		8 or 6½		1	Dome	38-20 ±3	92	2k	6/	10 x 9 x 16	Oak	Knit	40	950.00 Pair		
Traditional Efficiency	TAL		12		1	Dome	28-20 ±3	92	2k	4/	14 x 12 x 25	Oak	Knit	50	1500.00 Pair		
Direct	TATL Tower		12	2	1	Dome	20-20 ±3	91	1k,5k	6/	15 x 12 x 38	Oak Ven.	Knit	80	2000.00 Pair		
Classic Stat Exemplar	Ctr. Ch.: Dual TATL	Opt. Yes	12	2	Dome	1½	Dome	20-20 ±3	91	1k,5k	8/3	15 x 40 x 15	Oak Ven.	Bk. Knit	125	2500.00 Pair	
WITH Subwoofer	TAL (Var-i-vent) TAL Sub.		12	6½	Cone	1½	Dome	34-20 ±3	92	750,3k	4/2	12 x 20 x 9	Oak Ven.	Opt., Knit	75	2800.00 Pair	
Mono/Stereo			12	6½	Cone	2.1	Domes	20-20 ±3	90	180,1k,5k	Sel.	14 x 14 x 44	Opt., Wood	Knit	125	3500.00 Pair	
								25-2 ±3	91	90	Sel.	17 x 17 x 18	Opt., Wood	Knit	80	650.00 Each	

(Continued)



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms; Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
KINETIC AUDIO (Continued)	Basic Imprimis Subwoofer	TATL Sub.		12					18-2 ±2	92	90	Sel.	15 x 15 x 26		None	80	800.00 Each	
	Basic Trapezoid Subwoofer	TATL Sub.		12					16-2 ±1.5	92	90	Sel.	16 x 15 x 40		None	95	900.00 Each	
	Imprimis Subwoofer	TATL Sub.		12					18-2 ±2	92	90	Sel.	15 x 15 x 26	Opt., Wood	Blk. Knit	85	1000.00 Each	
	Trapezoid Subwoofer	TATL Sub.		12					16-2 ±1.5	92	90	Sel.	16 x 15 x 40	Opt., Wood	Blk. Knit	105	1200.00 Each	
	In-Wall Elective Subwoofer	In-Wall; Sub.		12					18-2 ±2	91	90	Sel.	13 x 6 x 13		Opt.	15	500.00 Each	
	In-Wall Elaborate In-Wall Merit In-Wall Rex	In-Wall; Sub.		6½			†	Dome	38-20 ±3	90	2k	8/5	7 x 4 x 13		Opt.	14	800.00 Pair	
KIRKSAETER	Prisma 40-Rear Vented		No	4			1	Dome	80-20	87	2.5k	8/4	5 x 4 x 10	Opt., Lam.	Blk. Knit	6	174.50 Each	
	Prisma 50 Vented		No	6			1	Dome	42-20	90	2.5k	8/4	7 x 9 x 11	Opt., Lam.	Blk. Knit	10	199.50 Each	
	Prisma 60 Vented		No	6			1	Dome	40-20	90	2.5k	8/4	9 x 8 x 18	Opt., Lam.	Blk. Knit	14	237.50 Each	
	Prisma 80 Vented		No	7½			1	Dome	35-20	90	2.5k	8/4	9 x 11 x 18	Opt., Lam.	Blk. Knit	17	299.50 Each	
	Prisma 100 Vented		No	7½	6	Cone	1	Dome	30-20	91	800.4k	8/4	9 x 10 x 34	Opt., Lam.	Blk. Knit	30	424.50 Each	
	Prisma 150 Vented		No	(2)9	6	Cone	1	Dome	30-22	92	700.4k	8/4	11 x 11 x 38	Opt., Lam.	Blk. Knit	38	524.50 Each	
	Prisma 200 Vented		No	(2)7½	6	Cone	1	Dome	28-20	92	800.4k	8/4	9 x 10 x 42	Opt., Lam.	Blk. Knit	47	549.50 Each	
	Prisma 250 Vented		No	(2)9	6	Cone	1	Dome	28-22	92	700.4k	8/4	11 x 11 x 44	Opt., Lam.	Blk. Knit	55	649.50 Each	
	Prisma 300 Vented		No	(2)9	6.2	Cone, Dome	1	Dome	25-25	92	650.1,2k, 4k	8/4	11 x 11 x 44	Opt., Lam.	Blk. Knit	56	999.50 Each	
	Prisma Center 70	Ctr. Ch.; Inf. Baf.	Yes	(2)4			1	Dome	40-20	89	2.5k	8/4	18 x 5 x 5	Opt., Lam.	Blk. Knit	17	259.00 Each	
	Prisma Center 100	Ctr. Ch.; Inf. Baf.	Yes	(2)6			1	Dome	40-20	90	2.5k	8/4	20 x 6 x 6	Opt., Lam.	Blk. Knit	20	299.00 Each	
	Spectra 82 Vented		No	7½	7½	Cone	1	Dome	35-22	90	2.3k	8/4	9 x 12 x 18	Opt., Lam.	Blk. Knit	24	299.50 Each	
	Spectra 102 Vented		No	7½	7½	Cone	1	Dome	28-22	91	600.3.5k	8/4	9 x 10 x 34	Opt., Lam.	Blk. Knit	46	499.50 Each	
	Spectra 202 Vented		No	(2)7½	7½	Cone	1	Dome	26-22	91	600.3.5k	8/4	9 x 10 x 42	Opt., Lam.	Blk. Knit	50	649.50 Each	
	Spectra 252 Vented		No	(2)9	7½	Cone	1	Dome	25-22	92	600.3.5k	8/4	10 x 12 x 44	Opt., Lam.	Blk. Knit	53	799.50 Each	
	Spectra 302 Vented		No	(2)9	7½,2	Cone, Dome	1	Dome	25-22	92	600.1,2k, 3.5k	8/4	10 x 12 x 44	Opt., Lam.	Blk. Knit	55	999.50 Each	
	Subwoofer A 100 M	Powered, Vented Sub.	No	(2)7½					30-200 Hz	90	50-180 (Var.)		20 x 14 x 9	Opt., Lam.	Blk. Knit	30	599.00 Each	
KLH	82TA		No	(2)7	3	Dome	1	Dome	35-20	87	200,800.3k	8/5	38 x 9 x 11	Opt.	Blk. Knit	51	550.00 Each	
	62T		No	(2)7	5¼	Cone	1	Dome	35-20	87	200,800.3k	6/5	38 x 9 x 11	Opt.	Blk. Knit	42	350.00 Each	
	V.41		Yes	(4)4¼			1	Dome	90-20	86	700.1.9k,3k	8/6	40 x 7 x 8	Gray	Gray Knit	35	250.00 Each	
	V.354	Ctr. Ch. Surround Ch.	Yes	(4)4¼			1	Dome	90-20	86	700.1.9k,3k	8/6	7 x 25 x 8	Gray	Gray Knit	24	250.00 Each	
	V.02		Yes	4½			1	Dome	90-20	86	3k	8/6	12 x 7 x 9	Gray	Gray Knit	11	249.99 Pair	
	Platinum 325	Main & Surround Ch.	Yes	(2)3¾			¾	Dome	80-20	88	500.3k	8/5.5	12 x 5 x 6	Blk.	Blk. Knit	5	149.99 Pair	
	Platinum 525 HTA-810	Ctr. Ch.; Inf. Baf. 4 Sats., Ctr. Ch. & Powered, Vented Sub.	Yes	(4)3¾	(6)3¾		¾	Dome	80-20	88	1k,3k	8/7	19 x 5 x 6 Six Pieces	Blk.	Blk. Knit	9	149.99 Each	
			Yes	10			(5)¾	Domes	30-20	86		8/7		Blk.	Blk. Knit	60	449.99 Sys.	
	HTA-510	D'Appolito, 5 Sats. & Powered Sub.	Yes	10	(10)3¾		(5)¾	Domes	28-20	87		8/7	Six Pieces	Blk.	Blk. Knit	69	499.99 Sys.	
	ASW12-120	Powered, Vented Sub.	No	12					24-200 Hz		50-200 (Adj.)		16 x 18 x 22	Blk.	Blk. Knit	55	399.99 Each	
	883		Yes	(2)8	5¼	Cone	¾	Dome	45-20	90	1.4k,2.8k	8/6	36 x 10 x 12	Gray	Gray Knit	37	200.00 Each	
	882		Yes	(2)8			¾	Dome	45-20	90	2.8k	8/6	36 x 10 x 12	Gray	Gray Knit	36	180.00 Each	
	46	Indoor/Outdoor; Sat	Yes	4	1¾	Cone	¾	Piezo	90-20	85	2.8k,10k	6/5	8 x 6 x 5	Wht.	Gray Knit	3	80.00 Pair	
KLIPSCH	Klipschorn	Folded Horn	No	15		Horn		Horn	35-17 ±3	104	400.6k	8/4	52 x 31 x 28	Opt., Wood	Opt., Cane	167	5798.00 Pair	
	Belle Klipsch La Scala	Folded Horn	No	15		Horn		Horn	45-17 ±5	104	500.6k	8/4	36 x 30 x 19	Opt., Wood	Opt., Cane	123	4298.00 Pair	
	Heresy II	Folded Horn	No	15		Horn		Horn	45-17 ±5	104	400.6k	8/4	36 x 24 x 25	Opt.	Opt.	123	278.00 Pair	
	KLF 30	Inf. Baf., Sealed Bass Ref.	No	12		Horn		Horn	50-20 ±3	96	700.6k	8/4	21 x 16 x 13	Opt., Wood	Opt., Cane	37	1098.00 Pair	
	KLF 20	Bass Ref.	No	(2)12		Horn		Horn	36-20 ±3	102	750.7k	8/4	45 x 14 x 16	Opt., Wood	Blk. Knit	107	1799.00 Pair	
	KLF 10	Bass Ref.	No	(2)10		Horn		Horn	34-20 ±3	100	825.7k	8/4	41 x 12 x 16	Opt., Wood	Blk. Knit	87	1499.00 Pair	
	KLF C7	Bass Ref.	No	(2)10		Horn		Horn	34-20 ±3	98	2.3k	8/4	38 x 12 x 16	Opt., Wood	Blk. Knit	65	1099.00 Pair	
	KSP 400	Ctr. Ch., Ac. Sus. Powered	Yes	(2)8		Horn		Horn	65-20 ±3	99	2k	8/4	11 x 27 x 9	Opt., Wood	Blk. Knit	40	599.00 Each	
			Yes	15	(2)6½	Cones		Horn	26-20 ±3	95	100.3k	8/4	48 x 9 x 20	Opt., Wood	Blk. Knit	125	3500.00 Pair	
	KSP C6	Bass Section Ctr. Ch.; Ac. Sus. Surround Ch.;	Yes	(2)6½			(2)	Horn	63-20 ±3	94	3k	8/4	8 x 24 x 8	Blk. Vinyl	Blk. Knit	28	599.00 Each	
	KSP S6	Ac. Sus.	No	(2)6½				Horns	75-20 ±3	91	2.8k	8/4	14 x 14 x 7	Opt., Vinyl	Metal	24	699.00 Pair	
	KSF 10.5	Bass Ref.	Yes	(2)8				Horn	36-20 ±3	95	2.2k	8/4	38 x 10 x 13	Opt., Vinyl	Blk. Knit	55	800.00 Pair	
	KSF 8.5	Bass Ref.	Yes	8				Horn	36-20 ±3	94	2.2k	8/4	36 x 10 x 13	Opt., Vinyl	Blk. Knit	47	650.00 Pair	
	KSF C5	Ctr. Ch., Bass Ref. Surround Ch.;	Yes	(2)6½			(2)	Horn	63-20 ±3	96	2.2k	8/4	8 x 24 x 7	Blk. Vinyl	Blk. Metal	16	349.00 Each	
	KSF S5	Ac. Sus.	No	6½				Horns	60-20 ±3	90	1.8k	8/4	8 x 18 x 7	Opt., Vinyl	Blk. Metal	13	450.00 Pair	
	KAW 1.1	Outdoor; Bass Ref.	No	5¼				Horn	65-20 ±3	92	2.8k	8/4	7 x 6 x 7	Wht.	Wht. Metal	5	329.00 Pair	
	KSB 3.1	Bass Ref.	Yes	8				Horn	45-20 ±3	94	2.8k	8/4	17 x 9 x 9	Opt., Vinyl	Blk. Metal	16	429.00 Pair	
	KSB 2.1	Bass Ref.	Yes	6½				Horn	55-20 ±3	93	2.8k	8/4	15 x 8 x 8	Opt., Vinyl	Blk. Metal	11	329.00 Pair	
	KSB 1.1	Bass Ref.	Yes	5¼				Horn	65-20 ±3	92	2.8k	8/4	11 x 7 x 6	Opt.	Metal	5	229.00 Pair	
	KS C1	Ctr. Ch.; Ac. Sus. Surround Ch.;	No	(2)5¼		(2)5¼	Cones		Horn	70-20 ±3	95	2.8k	8/4	7 x 20 x 7	Blk. Vinyl	Blk. Metal	15	279.00 Each
	KSB-S1		No					Horn	100-7 ±3	92		8/4	7 x 12 x 6	Opt.	Metal	7	299.00 Pair	
	KSW 300	Ac. Sus. Powered Sub.	No	15					22-120 Hz ±3		40-120		20 x 19 x 19	Blk. Vinyl		85	949.00 Each	
KSW 200	Powered Sub.	No	12					29-120 Hz ±3		40-120		19 x 18 x 18	Blk. Vinyl		69	649.00 Each		
KSW 150	Powered Sub.	No	10					31-120 Hz ±3		40-120		16 x 15 x 15	Blk. Vinyl		48	549.00 Each		
KSW 100	Powered Sub.	No	8					34-120 Hz ±3		40-120		15 x 14 x 14	Blk. Vinyl		39	449.00 Each		
KSW 50	Powered Sub.	No	8					40-120 Hz ±3		40-120		13 x 12 x 12	Blk. Vinyl		33	329.00 Each		
IW 250	In-Wall	No	(2)6½				Horn	40-20 ±3	93	2.2k	8/4	9 x 19	Wht.	Wht. Metal		678.00 Pair		
IW 150	In-Wall	No	6½				Horn	40-20 ±3	90	2.2k	8/4	9 x 13	Wht.	Wht. Metal		429.00 Pair		

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MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
KLIPSCH (Continued)	IW 50	In-Wall	No	5¼				Dhorn	60-20 ±3	89	1.8k	8/4	7 x 10	Wht.	Wht. Metal		320.00 Pair
	IC 800	In-Ceiling	No	8			1	Dome	45-20 ±3	93	2.2k	8/4	10 Dia.	Wht.	Wht. Metal		558.00 Pair
	IC 650	In-Ceiling	No	6½			1	Dome	52-20 ±3	91	3.3k	8/4	8 Dia.	Wht.	Wht. Metal		398.00 Pair
	IC 525	In-Ceiling	No	5¼			1	Dome	60-20 ±3	90	4k	8/4	7 Dia.	Wht.	Wht. Metal		320.00 Pair
KNÖLL SYSTEMS	TC06	In-Wall	No	6½			1	Dome		90		8/	12 x 9 x 3		Wht. Metal		239.00 Pair
	SP65	In-Wall	No	6½			1	Dome		91		8/	12 x 9 x 3		Wht. Metal		109.00 Pair
	M200	In-Wall	No	4½			1	Dome		90		8/	8 x 6 x 5		Bk. Metal		129.00 Pair
KORA ELECTRONIC CONCEPT	Odyssey Mandalá Gold	Bass Ref.	No	15 (2)8	8	Cone	2¼ 1½	Horn Dome	32-25 ±3 40-18 ±3	94 91	200.5k 2k	8/6 4/3.8					
KRIX	Equinox	Ported	Yes	5			1	Dome	45-20	88	1.9k	6/4	12 x 7 x 10	Opt., Wood	Bk. Knit	13	599.00 Pair
	Apex	Ported	No	(2)5			1	Dome	40-20	90	2k	6/4	35 x 7 x 12	Opt., Wood	Bk. Knit	31	1139.00 Pair
	Lyrix	Ported	No	(2)6½			1	Dome	35-20	92	2k	4/	37 x 8 x 12	Opt., Wood	Bk. Knit	40	1499.00 Pair
	Euphonix	Ported	No	(2)5		(2)5	1	Dome	30-20	89	500.1.6k	8/4	38 x 8 x 17	Jarrah	Bk. Knit	57	2349.00 Pair
	Esoterix I Mk2	Ported	No	8		Cone	1¼	Dome	30-20	88	340.2.2k	8/5	38 x 9 x 17	Jarrah	Bk. Knit	66	3299.00 Pair
	Mini-Centrix	Ctr. Ch.	Yes	(2)5			1	Dome	65-20	90	1.6k	8/	7 x 22 x 8	Opt., Wood	Bk. Knit	26	499.00 Each
	Centrix	Ctr. Ch.	Yes	(2)5			1	Dome	50-20	90	1.4k	8/	7 x 26 x 16	Opt., Wood	Bk. Knit	37	649.00 Each
Seismix 7	Powered Sub.	No	15					25-89 Hz			8/	20 x 30 x 21	Jarrah	Bk. Knit	114	3995.00 Each	
LEGACY AUDIO  (Continued)	Whisper	Controlled Directivity Array	Opt.	(4)15	(4)7, 1¼	Cones, Dome	½x4	Ribbon	16-30 ±2	95	300.3k, 10k	4/4	67 x 17 x 13	Opt., Wood	Bk. Knit	300	12,500 Pair w/Processor
	Focus	F.O.C.S.	Opt.	(3)12	(2)7, 1¼	Cones, Dome	½x4	Ribbon	16-30 ±2	95	180.2.2k, 12k	4/4	55 x 15 x 13	Opt., Wood	Bk. Knit	175	5200.00 Pair
	Signature III	Bipolar; Slot-Loaded	Opt.	(3)10	(2)7, 1¼	Cones, Dome	½x4	Ribbon	20-30 ±2	93	120.2.8k, 10k	4/4	50 x 12 x 12	Opt., Wood	Bk. Knit	130	3600.00 Pair
	Classic	Bipolar	Opt.	(2)10	7, 1¼	Cone, Dome	½x4	Ribbon	22-30	92	120.2.8k, 10k	4/4	44 x 12 x 12	Opt., Wood	Bk. Knit	110	2650.00 Pair
	Mist	M-S Array	Opt.	(3)5¼			(2)4	Ribbons	42-25 ±2	93	3k	8/4	55 x 7 x 12	Opt., Wood	Bk. Knit	30	1800.00 Pair

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"The Hsu had no problems with the incredible bass of anything I threw at it... It blends as well with music as it does with movies... one of the best deals on the market". Stacey Spears, *Secrets of Home Theatre and High Fidelity* Volume 4 No. 2, May 1997. ([http://www.sdinfo.com/volume\\_4\\_2/hsu12va.html](http://www.sdinfo.com/volume_4_2/hsu12va.html))

"An excellent \$ensible choice is the Hsu powered subwoofer. Its 19 Hz and 110 dB SPL should please anyone soundwise." Tom Nousaine, *Sensible Sound* No. 59, July/August 1996

"... the HRSW12V puts paid to all the audiophile woofer whinings." Franco & Gordana Vitaliano, 21st, *The VXM Network*, Jan. 15, 1996 Issue

"... it goes the lowest and plays the loudest here, and it earns top honors in terms of sheer performance." Tom Nousaine, *Video Magazine*, December 1995

"Best subwoofer demo (at Stereophile Hi-Fi '95) - Nobody can touch the Hsu stuff. Nobody." Bill Kenney, *Compuserve*, May 5, 1995

"Best bass (at Stereophile Hi-Fi '95) - Hsu Research 12" powered subwoofer." Russell Stratton, *Compuserve*, April 30, 1995

"...the Hsu has to be considered an outstanding bargain." Robert Deutsch, *Stereophile Guide to Home Theater* Vol. 1 No. 2, 1995

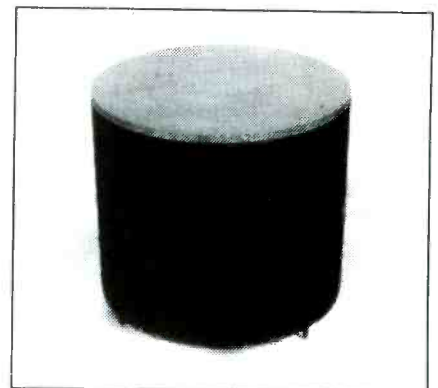
"...this woofer achieves a combination of extremely quick speed and gut massaging bass impact that I have seldom experienced from any subwoofer." Peter Mitchell, *Stereophile* Vol. 18 No. 1, January 1995

### Reports on the 10V:

"To my even greater surprise, it integrated splendidly with the Sound Lab A-2X... Thanks Hsu Research for coming up with this sonic bargain..." *Audio Shopper* Vol. 3 No. 3, April 1997. (<http://www.cdrome.com/hsu.html>)

"A single 10" subwoofer?? All that bass?? We were shocked. I am sold. Hsu gets my subwoofer business hands-down." Scott Weinmann, *Rec. Audio High-End*, June 2, 1996

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MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
LEGACY AUDIO (Continued)	Space Array Victoria Studio Mini Monitor Powered Impact	Bipolar B6 Aided B4 Reflex Q85 Aided Powered, Vented 6th Order Sub.	Opt. (2)5/4 Opt. 7 Opt. 7 1/2 Opt. 5/4 Opt. (2)12	5 1/2	Cone	(2)1 1/2x4 1	Domes Ribbon Dome Dome	59-22 ±2 36-30 39-22 ±2 59-22 ±2 16-100 Hz	90 200.4k 2.8k 2.6k 100	8/4 4/4 4/4 8/8 10k	15 x 7 x 12 23 x 12 x 12 13 x 11 x 11 9 x 7 x 8 29 x 16 x 14	Opt. Wood Opt. Wood Opt. Wood Opt. Wood	Blk. Knit Blk. Knit Blk. Knit Blk. Knit	28 60 32 16 110	1200.00 Pair 1696.00 Pair 796.00 Pair 525.00 Pair 1295.00 Each			
	Foundation Pace Maker	Vented Sub. Powered, B6 Aided Sub.	Opt. (2)12 Opt. (2)15					20-100 Hz 16-80 Hz ±2	92 100	55/95 (Sel.) 55/80 (Sel.)	4/4	28 x 16 x 16 42 x 18 x 18	Opt. Wood Opt. Wood	Blk. Knit Blk. Knit	100 150	795.00 Each 2500.00 Each		
	Theater Grand	Sub. Ctr. Ch.	Yes (2)15	7	Cone	4, 1 1/4	Ribbon, Dome	42-30 ±2	95	300,3k,10k	4/4	38 x 19 x 13	Opt. Wood	Blk. Knit	80	2400.00 Each		
	Silver Screen Cinema II Monologue	Ctr. Ch.; Vented Ctr. Ch.; Sealed Ctr. Ch.; Sealed	Yes (2)7 Yes (2)5 1/2 Yes (2)5/4	1 1/4	Dome	1/2x4 1/2x4 1	Ribbon Ribbon Dome	48-30 59-30 ±2 72-22 ±2	95 94 91	2.2k,12k 12k 2.8k	4/4 4/4 4/4	28 x 11 x 10 19 x 7 x 8 19 x 7 x 8	Opt. Wood Opt. Wood Opt. Wood	Blk. Knit Blk. Knit Blk. Knit	50 25 20	1248.00 Each 796.00 Each 349.00 Each		
	LEGEND AUDIO DESIGN	The Legend The Legend Junior															42	3995.00 Pair 1750.00 Pair
	LINN	Keltik	Isobarik	No (2)9x12	5	Cone	3/4	Dome	20-20 ±1		Ext.	8/4	10 x 15 x 41	Opt.	Blk. Knit	121	9995.00 Pair	
Kaber Keilidh Tukan Sekrit AV5140 AV5120 AV5110 AV5150		Inf. Baf. Inf. Baf. Ported In-Wall/On-Wall Ported Ctr. Ch.; Ported Surround Ch.; Ported Powered Sub.	No Yes Yes Yes Yes Yes Yes Yes No	(2)5 (2)6 5 6 8 (2)5 4 (2)12	6	Cone	3/4 3/4 3/4 3/4 3/4 3/4 3/4	Dome Dome Dome Dome Dome Dome Dome	60-20 ±3 50-20 ±2 80-20 ±3 70-20 ±3 30-20 ±3 55-20 ±3 15-150 Hz	87 87 87 87 90 92	300,2.7k 8/4 8/4 4/7 4/4 4/4	7 x 10 x 35 8 x 10 x 33 7 x 7 x 12 8 x 4 x 17 38 x 9 x 12 24 x 9 x 7 9 x 9 x 4	Opt. Opt. Opt. Opt. Opt. Opt.	Blk. Knit Blk. Knit Blk. Knit Opt. Opt., Mesh	59 37 11 7 47 23 101	2895.00 Pair 1495.00 Pair 795.00 Pair 2495.00 Pair 995.00 Each 495.00 Pair 4195.00 Each		
DAVID LUCAS INC.		Impact Double Impact	Electrostatic Electrostatic	No No	18x36 18x72	ES ES			30-50 ±2 26-50 ±2	89 91	6/6 6/6	18 x 36 x 4 18 x 72 x 4 (Two Panels)	Opt.		10 21	Kit, 399.00 Pair Kit, 499.00 Pair		
MACH 1 ACOUSTICS		OM-1000 System DM-100	Powered, 2 Sats. & 2 Subs.	(2)15 (2)10 (2)10	(2)5	Cones	3	Ribbon	18-40 ±3	92	50,300,3k	4/2	Four Spkrs., Four Amps 12 x 48 x 16	Opt.	Opt.	500 Sys. 135	150,000 Sys. 24,995 Pair	
		OM-10 Signature DM-10 MKII		10 9	5 4	Cone Inv. Dome	1 1	Inv. Domes Inv. Dome Inv. Dome	26-40 ±3 35-40 ±3 80-20 ±3	92 88 86	300,3k 300,3k	4/2 8/4 8/3	12 x 48 x 16 11 x 44 x 14	Opt. Oiled Wood Opt. Oiled Wood Opt. Oiled Wood		125 110 30	17,995 Pair 10,995 Pair 5995.00 Pair	
		DM-7		(2)5			1	Inv. Dome	80-20 ±3	90	3k		8 x 18 x 9	Opt.		20	4995.00 Pair	
	OM-5		5			1	Inv. Dome	80-20 ±3	88	3k		8 x 12 x 9	Opt.		20	4995.00 Pair		
	M-Four.Five		(2)10	(2)5	Cones	3,1	Ribbon, Dome	26-40 ±3	92	300,3k,10k	4/2	12 x 48 x 16	Opt., Oiled Wood		125	5995.00 Pair		
	M-Three		10	5	Cone	1	Dome	26-20 ±3	88	300,3k	8/4	12 x 48 x 16	Opt., Oiled Wood		110	3995.00 Pair		
	M-Two	D'Appolito	(2)5			1	Dome	80-20 ±3	92	3k	4/3	8 x 18 x 9	Opt.		25	From 1495.00 Pair		
	M-One		5			1	Dome	80-20 ±3	88	3k	8/6	8 x 12 x 9	Opt.		15	From 1195.00 Pair		
	Diamond MACH Video	4 Sats., Ctr. Ch. & Sub.	8 10	(6)4	Cones	1 (5)1	Dome Domes	45-20 ±3 20-20 ±3	89 87	2.5k 3k	8/5 8/5	42 x 10 x 10 Six Pieces	Blk. Opt., Wood		65 150	9995.00 Pair 3995.00 Sys.		
MAGNEPAN	MGCC1	Ctr. Ch.; Planar		198 Sq. In.			33x 1/4	Quasi Ribbon	160-20 ±4	86	1k	1/4	35 x 11 x 8	Oak	Opt.	22	750.00 Each	
	MGSS1	Magnetic Dipole				Planar Mag.			160-16 ±4	89		1/4	8 x 45 x 1		Opt.	7	425.00 Pair	
	MGLR1	Srrnd. Ch.; Planar Magnetic Dipole Main Ch.; Dipole		370 Sq. In.		Planar Mag.	38x 1 1/2	Quasi Ribbon	60-24 ±3	86	900	1/4	15 x 51 x 1	Oak	Opt.	14	850.00 Pair	
	MMG	Dipole		370 Sq. In.		Planar Mag.	38x 1 1/2	Quasi Ribbon	50-24 ±3	86	900	1/4	15 x 48 x 1	Oak	Opt.	24	500.00 Pair	
	SMG c	Dipole		370 Sq. In.			38x 1 1/2	Quasi Ribbon	50-26 ±3	87	900	4/4	17 x 48 x 2	Opt.	Opt.	30	690.00 Pair	
	MG.6/OR	Dipole		420 Sq. In.			40x 1 1/2	Quasi Ribbon	45-26 ±3	85	900	4/4	19 x 50 x 2	Opt.	Opt.	35	995.00 Pair	
	MG1.5/OR	Dipole		480 Sq. In.			52x 1 1/2	Quasi Ribbon	40-26 ±3	85	900	4/4	19 x 64 x 2	Opt.	Opt.	45	1350.00 Pair	
	MG2.7/OR	Dipole		620 Sq. In.	98	Planar Mag.	56x 1 1/2	Quasi Ribbon	34-26 ±3	87	600,950	4/4	22 x 71 x 2	Opt.	Opt.	56	1995.00 Pair	
	MG3.5/R	Dipole		620 Sq. In.	170	Planar Mag.	60x 1/2	Ribbon	34-40 ±3	86	250,1k	4/3	24 x 71 x 2	Opt.	Opt.	68	3150.00 Pair	
	MG-20	Dipole		880 Sq. In.	48x3	Planar Mag.	60x 1/2	Ribbon	20-40 ±3	87	150,3k	4/3	29 x 79 x 2	Opt.	Opt.	125	9200.00 Pair	
MG-10.1	Dipole		340 Sq. In.			55x 1 1/2	Quasi Ribbon	80-26 ±3	86	1.1k	4/4	11 x 53 x 2	Opt.	Opt.	28	1275.00 Pair		
MAGNUM	Chelsea Knightsbridge Buckingham		5 1/2 6 1/2 8 1/4	5%	Cone	1 1 1	Dome Dome Dome	60-20 45-20 40-20	87 88 89	8/ 8/ 8/			Blk. Knit Blk. Knit Blk. Knit		900.00 Pair 1500.00 Pair 2250.00 Pair			
	JOHN MAROVSKIS AUDIO SYSTEMS	W1-D W3 System 3A	Slot-Loaded Sub. Slot-Loaded Sub. Powered, Slot-Loaded Sub.	No No No	15 12 12				30-100 Hz ±1 30-100 Hz ±1 30-100 Hz ±1	87 85 85	100 100 100	8/7 8/7 8/7	18 x 22 x 22 18 x 18 x 18 18 x 18 x 18	Oiled Wal. Oiled Wal. Oiled Wal.	Blk. Wood Blk. Wood Blk. Wood	100 67 87	900.00 Each 750.00 Each 1200.00 Each	

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
MARQUIS ELECTRONICS	Monitor Seven M7V Seven Sub	Sealed Sealed Bandpass Sub.	Yes No	6½ 6½ 10			1 1	Dome Dome	60-20 60-20 ±3 30-100 Hz ±3	85 89 89	3.5k 3.5k 100	8/7 8/6 4/3	9 x 9 x 15 9 x 9 x 15 12 x 15 x 25	Wal. Oak Oak	Blk. Knit Blk. Knit None	16 16 46	495.00 Pair 595.00 Pair 400.00 Each
	Ducote Ten Reference One	Sealed Sats. & Motional Feedback Woofer		10 15	(2)5¼	Cones	1 1	Dome Dome	42-20 20-20	90 89	2k 125,3.5k	8/5 4/3	15 x 12 x 25 Three Pieces	Wal. Blk. Lacq.	Blk. Knit Blk. Knit	46 300	1100.00 Pair 5600.00 Sys.
MARTIN-LOGAN	Monolith III	Electrostatic & Inf. Baf. Woofer	No	12			24x48	ES	28-24 ±3	90	125	4/1.2	27 x 12 x 74	Opt.	Opt.	125	6500.00 Pair; w/Electronic Xover, 9000.00
	ReQuest	Electrostatic & Inf. Baf. Woofer	No	12			18x48	ES	30-22 ±3	90	180	4/1.2	18 x 13 x 71	Opt.	Opt.	91	4495.00 Pair
	SL3	Electrostatic & Inf. Baf. Woofer	No	10			12x48	ES	30-22 ±3	89	250	4/1.5	13 x 14 x 64	Opt.		65	3195.00 Pair
	Aerius i	Electrostatic & Inf. Baf. Woofer	No	8			9½x40	ES	40-22 ±3	87	450	4/1.7	11 x 13 x 55	Opt.		55	1995.00 Pair
	CLS IIz	Electrostatic Ctr. Ch.; Electrostatic & Inf. Baf. Woofer	No	6½	24x48 (2)	ES	½	Dome	35-20 ±3 75-20 ±3	86 89	300,3.5k	4/1.5 5/2.75	28 x 15 x 58 41 x 10 x 12	Opt. Blk.		85 62	3995.00 Pair 1750.00 Each
	Stylos	In- or On-Wall or Stand-Mount; Inf. Baf.	No	6½	15x9		9½x40	ES	55-20 ±3	88	700	4/2	11 x 5 x 64	Opt.		40	2695.00 Pair
MASTER-CRAFT AUDIO	Sonic Gem	Ac. Sus.	No	(2)8			1	Dome	37-27 ±5	91	3.4k	4/	30 x 15 x 8	Blk. Lacq.		44	995.00 Pair
	Black Diamond	Ac. Sus.	No	8			1	Dome	40-27 ±5	88	3.5k	8/	12 x 6 x 26	Blk. Lacq.		29	795.00 Pair
	Sonic Gem	Ac. Sus.	No	8			1	Dome	50-22 ±5	89	3.1k	8/	14 x 10 x 8	Blk. Lacq.		21	399.00 Pair
	Black Ruby	Ac. Sus.	No	10			1	Dome	40-22 ±5	92	2.5k	8/	15 x 26 x 11	Oak		30	499.00 Pair
MBL	101D	Omni	No	12		Radial		Radial	20-40 ±3	81	110,600, 3.5k	4/4	16 x 67 x 18	Blk. Lacq.	Blk. Metal	176	32,990 Pair
	101C	Isotropic		12	5	Isotropic		Isotropic	38-70	80	600,3.5k	4/4	16 x 44 x 16	Blk. Blk.	Blk. Mesh	77	29,900 Pair
	111	Isotropic Hybrid		12	5	Isotropic		Isotropic	20-40	80	120,670, 3.5k	4/4	16 x 16 x 63	Blk. Blk.	Blk. Brass	132	13,900 Pair
	300C	Bass Ref.	(3)5½	5½, 1½	Cone, Dome	1½	Dome	28-45	86	205,850, 3.5k	4/4	8 x 10 x 45	Blk.	Blk. Knit	44	5990.00 Pair	
	301	Bass Ref.	5½	5½, 1½	Cone, Dome	1½	Dome	29-45	87	250,700, 3.5k	4/4	8 x 10 x 45	Blk.	Blk. Knit	33	5150.00 Pair	
	303	Bass Ref.	5½		Cone	1½	Dome	37-25	85	2.2k	4/4	10 x 44 x 11	Pearlwood Blk.	Blk. Knit	30	2780.00 Pair	
	311C4	Bass Ref.	5½		Cone	1½	Dome	38-45	87	150,700, 3.5k	4/4	8 x 11 x 10	Blk.	Blk. Knit	9	3150.00 Pair	
	321	Bass Ref.	5½		Cone	1½	Dome	43-34	87	180,2k	4/4	7 x 14 x 10	Blk.	Blk. Knit	9	1990.00 Pair	
	323	Bass Ref.	5½		Cone	1½	Dome	44-25	87	2.2k	4/4	10 x 16 x 12	Pearlwood Blk.	Blk. Knit	13	1790.00 Pair	
	201	Powered, Vented Sub.	12					18-96 Hz	110	46/68/96		4/4	16 x 21 x 16	Blk. Blk. Mesh	66	4790.00 Each	
211	Powered, Vented Sub. Ctr. Ch.	10		5	Cone			18-140 Hz	100	70/100/140			16 x 18 x 20	Blk. Blk. Mesh	55	2790.00 Each	
	Center Speaker												17 x 13 x 5	Blk.		12	820.00 Each
MB QUART	D20	Bass Ref.		5¼			¾	Dome	70-22 ±3	87	4k	6/4	11 x 8 x 8	Matte Blk.	Opt.		299.00 Pair
	D30	Bass Ref.		6½			1	Dome	41-22 ±3	89	3.4k	6/4	13 x 9 x 11	Matte Blk.	Opt.		449.00 Pair
	D40	Bass Ref.		7½			1	Dome	36-22 ±3	91	2.8k	6/4	17 x 12 x 12	Matte Blk.	Opt.		599.00 Pair
	D45	Bass Ref.		6½			1	Dome	38-22 ±3	89	2.8k	6/4	34 x 9 x 15	Matte Blk.	Opt.		699.00 Pair
	D55	Bass Ref.		6½			1	Dome	32-22	90	120,2.9k	4/3.2	42 x 9 x 15	Matte Blk.	Opt.		899.00 Pair
	Balcony	Hybrid Dipole Surround Ctr. Ch.; Bass Ref. Powered Sub.	No	6½		Cone	(2)¾	Domes	100-22	87	3.7k	8/6	6 x 11 x 6	Opt.	Opt.		399.00 Pair
	CTR STG D1200SI	Powered Sub.		12			¾	Dome	41-22 25-200 Hz ±3	89	3.4k 40-180 (Var.)	6/4	8 x 18 x 11 15 x 20 x 16	Matte Blk. Blk.	Opt. Blk. Knit	40	399.00 Each 799.00 Each
	D1000	Powered Bass Ref. Sub.		10					28-150 Hz				14 x 21 x 18	Opt.	Blk. Knit		649.00 Each
	QLT 50	Ac. Sus.		5¼			¾	Dome	76-32	90	3.8k	4/3.8	6 x 6 x 11	Opt., Ceramic Opt.	Opt., Perf.	5	799.00 Pair
	QLT 60	Bass Ref. Sub.	(2)6½						41-100 Hz	90	100	4/4		Opt., Ceramic Opt.	Opt., Perf.	18	749.00 Each
QL 72W	In-Wall		5¼			½	Dome	63-22	89	4.5k	4/	9 x 7 x 3	Ceramic ABS Resin	Wht. Mesh		329.00 Pair	
QL 90W	In-Wall		8			1	Dome	55-22	89	2.5k	4/	11 x 13 x 4	ABS Resin	Wht. Mesh		649.00 Pair	
QL 250	Indoor/Outdoor		5¼			½	Dome	78-22	88	3.2k	4/	8 x 10 x 4	ABS Resin	Opt., Mesh		399.00 Pair	
McINTOSH	HT-1	THX, Inf. Baf.	Yes	8			(3)1	Domes	55-22 ±2	89	500,1.4k	4/	23 x 16 x 11	Blk. Blk.	Blk.	47	1100.00 Each
	HT-2	THX, Ported Sub.		12					42-200 Hz	91		4/		Blk.			1750.00 Each
	HT-3	THX, Surround Ch.; Inf. Baf.		5			(2)1	Domes	85-22		1.5k	4/	16 x 16 x 8	Wht.		25	1000.00 Each
	HT-4	THX, Ctr. Ch.; Inf. Baf.	Yes	6			(3)1	Domes	60-22	87	1.75k	4/	8 x 21 x 11	Blk.	Blk.	23	1100.00 Each
	SL-1	THX, Powered Sub.		12			1	Dome	20-250 Hz	88	THX		17 x 24 x 19	Blk.	Blk.	85	2000.00 Each
	SL-4	Ported		6½	6½	Cone			54-20	87	200,1.8k	4/	41 x 10 x 11	Blk.	Blk.	23	700.00 Each
	SL-6	THX, Ported		(2)6½	(12)5	Cone	(3)1	Domes	48-18 ±2	88	200,1.8k	4/	47 x 13 x 10	Blk.	Blk.	56	1250.00 Each
	XR 290	Inf. Baf.	Yes	(4)12	(12)5	Cones	(24)1	Domes	20-22	87	400,1.3k	8/	83 x 29 x 13	Opt. Blk.	Blk.	348	27,500 Pair
	XRT 24	Inf. Baf.		(2)10	8	Cone	(16)1	Domes	36-22	88	250,1.5k	4/	84 x 15 x 19	Opt. Blk.	Blk.	130	8500.00 Pair
	XRT 26	Inf. Baf.		(2)12	8	Cone	(23)1	Domes	32-22	87	100,250, 1.5k	4/	86 x 20 x 16	Opt. Blk.	Blk.	190	14,000 Pair
MEADOW-LARK AUDIO	Kestrel	1st Order; Trans. Line	No	6			1	Dome	38-20 ±2	89	4.5k	8/7	36 x 8 x 9	Opt., Wood	Blk. Knit	38	1250.00 Pair
	Shearwater	1st Order; Trans. Line	No	7			1	Dome	35-22 ±2	88	3.3k	8/7	40 x 9 x 11	Opt., Wood	Blk. Knit	60	2500.00 Pair
	Heron	1st Order; Trans. Line	No	(2)7	4	Cone	¾	Dome	25-24 ±2	90	300,6k	4/4	44 x 10 x 15	Opt., Wood	Blk. Knit	93	5000.00 Pair

(Continued)



*What's cute, curvy and  
hangs out on the patio?*

*No,... not the girl next door.*

Well, then again, she could be on the patio listening to our new EC-Series outdoor speakers. With eye-catching curves, the EC-Series entices every sense. Endowed with a magnetically shielded carbon fiber woofer, the EC300 is capable of an incredibly low but articulate 55Hz bass response, a new performance level for an outdoor speaker of this size. The top of the line EC300 speaker combines an impressive 90dB of efficiency and an aluminum dome tweeter that will deliver smooth highs. A powerful combination that ensures crisp detail and clarity at any volume level. Even moderately powered amplifiers will be able to drive EC-Series speakers to remarkable volume levels. The EC300, EC200, and EC100 feature weather resistant cabinets, stainless steel hardware and a multi-pivot bracket system, allowing an endless range of mounting positions for optimum coverage of the listening area. With enviable assets, it's not surprising everyone is attracted to what's next door.



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EC200



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# Y o u r E a r s

When an acoustical engineer measures a speaker system, his instruments describe the quantity of sound they detect. Unfortunately, sonic contributions from driver and enclosure are all too often inseparable from each other. Free of the colorations that result from common driver-box interaction, the Apogee ribbon is most able to reproduce recorded events accurately. That's why Apogee Acoustics goes to great lengths to hand craft every ribbon loudspeaker with only two goals in mind. Your ears.

To experience sound so faithful to the original that it's like having your electronics drive the air directly, bring your ears to your Apogee dealer today.

*"The [Apogee Acoustics] Studio Grand stands out as one of the finest speaker systems I have ever heard...."* Anthony Cordesman, Audio

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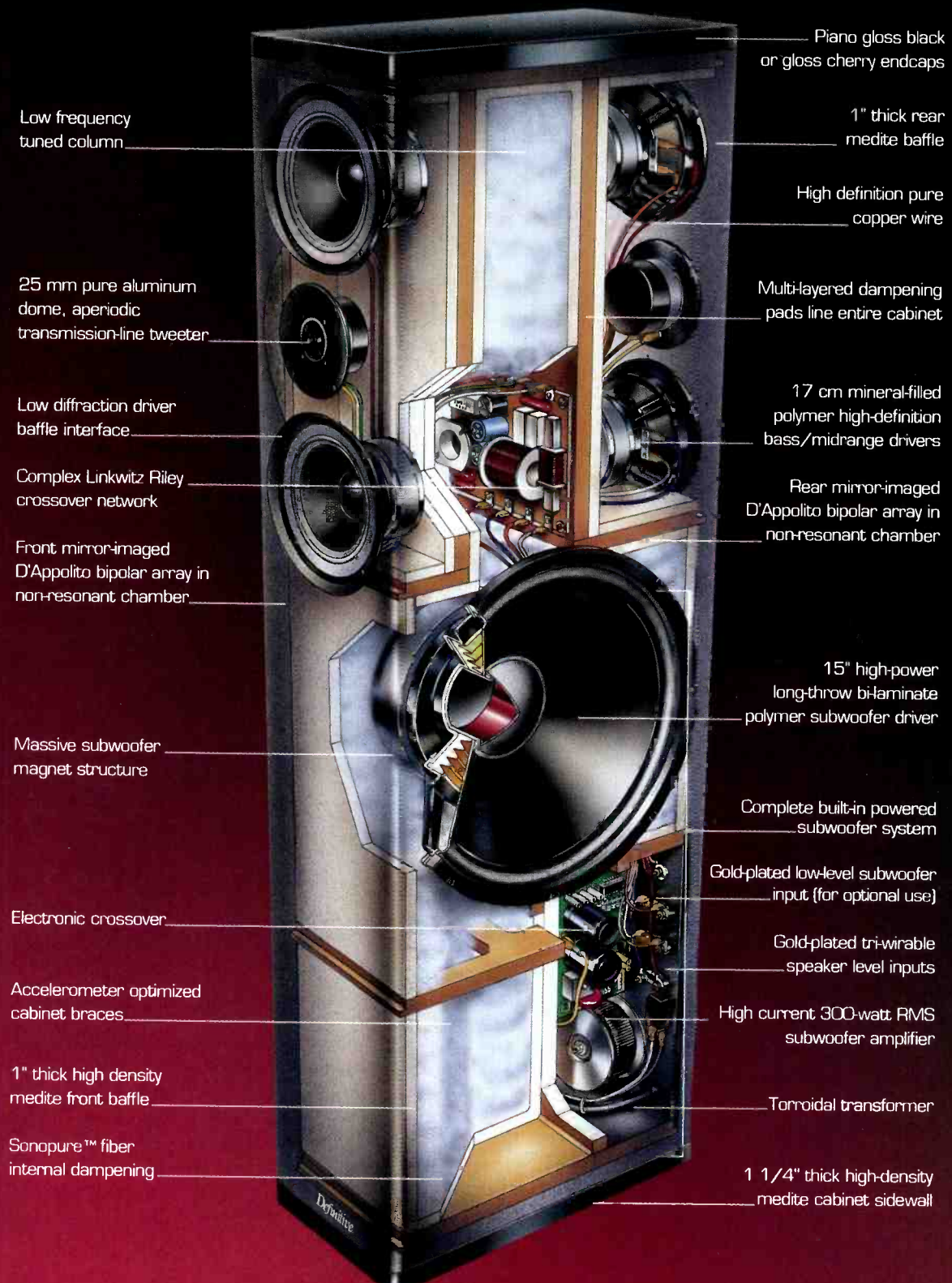


# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
MEADOW-LARK AUDIO (Continued)	Nightingale	1st Order; Trans. Line	No	(2)9	4	Cone	1	Dome	22-27 ±2	92	300.6k	4/4	46 x 14 x 24	Opt., Wood	Blk. Knit	175	10,000 Pair
	Ibis	1st Order; Vented Ctr. Ch.; 1st Order; Trans. Line	No	12.7	4	Cone	1	Dome	18-27 ±2	91	60.1, 3k, 6k	8/7	47 x 19 x 30	Opt.	None	300	25,000 Pair
	Petrel		Yes	(2)5¼			1	Dome	52-20 ±3	92	4k	4/4	7 x 21 x 13	Opt., Wood	Blk. Knit	30	800.00 Each
MENISCUS AUDIO GROUP	MA-1.5	Vented	No	6½			1	Dome	42-20 ±3	88	2.7k	8/4	10 x 10 x 12	Opt., Oak	Blk. Knit	25	799.00 Pair
	MA-2.0	Vented	No	(2)7			¾	Dome	38-20 ±3	90	2.2k	6/3	10 x 10 x 45	Opt., Oak	Blk. Knit	70	1699.00 Pair
	MA-3.0	Vented	No	8	4	Cone	¾	Dome	38-30 ±3	89	300.4k	8/6	11 x 10 x 29	Opt., Oak	Blk. Knit	55	1200.00 Pair
	CC-1.5	Vented	Yes	(2)6½			1	Dome	42-20 ±3	90	2.7k	4/3	10 x 10 x 18	Opt., Oak	Blk. Knit	35	429.00 Each
	PS-200	Powered Sub.	No	12			1	Dome	18-90 Hz ±3	90	50-90 (Adj.)		15 x 17 x 18	Opt., Oak	Blk. Knit	70	849.00 Each
MERET AUDIO	Ankh	Ported		5			1	Inv. Dome	64-25 ±3	86		8/6	14 x 8 x 13	Opt., Wood Ven.	Blk. Knit	30	1980.00 Pair
	Re	Ported		7			1	Inv. Dome	48-25 ±3	88		8/6	17 x 9 x 18	Opt., Wood Ven.	Blk. Knit	55	3299.00 Pair
	Ay	Ported		9			1	Inv. Dome	36-25 ±3	89		8/6	43 x 11 x 31	Opt., Wood Ven.	Blk. Knit	130	4750.00 Pair
MERIDIAN	DSP-6000 (w/remote)	Powered; Digital Signal Processing (DSP)		(4)8	6½	Cone	¾	Dome/Horn	20-20		200,2.6k		Two Pieces Per Side	Blk.	Blk. Knit	175	16,995 Sys.
	DSP-5500 (w/remote)	Powered; DSP		(2)8	6½	Cone	¾	Dome/Horn	28-20		200,2.6k		48 x 19 x 24	Opt.	Blk. Knit	175	From 10,750 Pair
	DSP-5000 (w/remote)	Powered; DSP		(2)6½	6½	Cone	¾	Ome/Horn	35-20		200,2.6k		35 x 8 x 12	Opt.	Blk. Knit	70	From 5795.00 Pair
	DSP-5000C (w/remote)	Powered; OSP	Yes	(2)6½	6½	Cone	¾	Dome/Horn	42-20		200,2.6k		8 x 27 x 11	Blk.	Blk. Knit	50	2995.00 Pair
	M-2500	Powered Sub.	Yes	(2)10					30-400 Hz ±3		80/120 (Sel.)		14 x 28 x 21	Blk.	Blk. Knit	135	2695.00 Pair
	M-60	Powered		6½	6½	Cone	1	Dome	35-21		250,2.6k		35 x 8 x 12	Opt.	Blk. Knit	68	From 3695.00 Pair
	M-60MkII	Powered		(2)6½	6½	Cone	¾	Horn	45-20		400,2.6k		35 x 8 x 12	Opt.	Blk. Knit	60	From 3695.00 Pair
MERLIN MUSIC SYSTEMS	TSM RC/CC	Main or Ctr. Ch.; Inf. Baf. Bass Ref.	Yes	6¼			¼	Dome	55-20 ±2	87	2.15k	8/6.5	8 x 16 x 12	Blk.	Blk. Knit	26	1050.00 Each
	VSM GEN III RC	Bass Ref.	No	6½			¼	Dome	45-22 ±3	90	2.2k	8/6.5	9 x 42 x 11	Blk.	Blk. Knit	78	4500.00 Pair
	Special Edition VSM CC	Ctr. Ch.	No	6½			¼	Dome	33-22 ±3	90	2.2k	8/6.5	9 x 42 x 11	Blk.	Blk. Knit	88	5950.00 Pair w/Active EQ
METAPHOR ACOUSTIC DESIGNS	Metaphor 1	Ported		(3)8	7	Cone	2¾	Ribbon	97		4/2.7	53 x 13 x 20	Blk. Gloss	Blk.	325	19,500 Pair	
	Metaphor MC2	Ported		(2)7	6½	Cone	1	Dome	91		4/3.6	40 x 12 x 17	Blk. Gloss	Blk.	180	6850.00 Pair	
	Metaphor MC5	Ported		8	6½	Cone	1	Dome	93.5		4/3.1	38 x 10 x 15	Blk. Gloss	Blk.	125	4450.00 Pair	
MICHAEL GREEN DESIGNS	Chameleon II	Bass Ref.		8			1	Dome	25-20 ±3	89		8/4	42 x 12 x 17	Opt.	Blk. Knit	118	5850.00 Pair
	Chameleon III	Bass Ref.		8			1	Dome	25-20 ±3	89		8/4	42 x 12 x 17	Opt.	Blk. Knit	138	7450.00 Pair w/Xover
	Rev 5i	Tunable Enclosure		5½			1	Dome	45-20 ±3	88		8/6	12 x 7 x 10	Opt., Wood	Blk. Knit	11	750.00 Pair
	Rev Cinema 6i	Tunable Enclosure		6½			1	Dome	40-20 ±3	88		8/6	18 x 7 x 12	Opt., Wood	Blk. Knit	17	499.00 Each
	Rev 60i	Tunable Enclosure		6½			1	Dome	38-20 ±3	88		8/6	34 x 7 x 10	Opt., Wood	Blk. Knit	26	1295.00 Pair
MIRAGE	Rev 80i	Tunable Enclosure		8			1	Dome	34-20 ±3	89		8/6	36 x 9 x 13	Opt., Wood	Blk. Knit	36	1650.00 Pair
	Oasis	Indoor/Outdoor; Sealed	No	5¼			½	Dome	65-20 ±3	88		8/		Opt.	Opt.		300.00 Pair
	MC-4	Ctr. Ch.	Yes	(2)4½			¾	Dome	60-20 ±3	87	2.5k	8/8	6 x 19 x 9	Blk. Ash	Blk. Knit	15	200.00 Each
	MC-3	Ctr. Ch.	Yes	(2)5½			1	Dome	45-22 ±3	89	2k	8/4	7 x 22 x 11	Blk. Ash	Blk. Knit	20	329.00 Each
	MC-2	Ctr. Ch.	Yes	(2)6½			1	Dome	38-22 ±3	90	2k	8/4	8 x 24 x 12	Blk. Gloss	Blk. Knit	25	450.00 Each
	MC-Si	Ctr. Ch.; Bass Ref.	Yes	(2)5¼			1	Dome	45-23 ±3	86	2k	8/6	8 x 19 x 12	Blk. Gloss	Blk.	25	550.00 Each
	MBS	3rd Order; Sealed; Bipolar	Yes	(2)4½			(2)½	Domes	120-20 ±3	88	3k	8/6	11 x 7 x 5	Opt.	Opt.	7	350.00 Pair
	MBS-2	Bipolar Surround	No	(2)5½			(2)1	Domes	60-20 ±3	88	2k	8/	13 x 8 x 8	Opt.	Blk. Knit		300.00 Each
	M-1si	Bipolar	No	(2)8	(2)4½	Cones	(2)1	Hybrid Domes	25-23 ±2	86	300.2k	6/4	60 x 20 x 10	Blk. Gloss	Blk.	185	6000.00 Pair
	M-3si	Bipolar	No	10	(2)4½	Cones	(2)1	Hybrid Domes	30-23 ±2	87	350.2k	7/4	53 x 18 x 9	Blk. Gloss	Blk.	135	3300.00 Pair
	M-5si	Bipolar	No	(2)6½			(2)1	Hybrid Domes	32-23 ±2.5	87	2k	6/4	49 x 16 x 8	Blk. Gloss	Blk.	85	2000.00 Pair
	M-7si	Bipolar; Vented	No	8	5		1	Hybrid Domes	35-23 ±3	88	500.2k	6/4	45 x 14 x 7	Blk. Gloss	Blk.	80	1500.00 Pair
	M-1095is	Bipolar; Vented	No	(2)6½			(2)1	Domes	32-22 ±3	85	2.1k	6/4	46 x 12 x 10	Blk. Gloss	Blk.	71	1200.00 Pair
	M-895is	Bipolar; Vented	No	(2)5½			(2)1	Domes	38-22 ±3	84	2.1k	6/4	36 x 11 x 9	Blk. Gloss	Blk.	60	900.00 Pair
	M-590is	Bipolar; Vented	No	(2)5½			(2)¾	Domes	42-20 ±3	84	2.1k	6/4	40 x 10 x 8	Blk. Gloss	Blk.	50	700.00 Pair
	M-90is	Bass Ref.	No	5½			½	Dome	60-20 ±3	86	3.5k	6/4	12 x 7 x 8	Opt.	Opt.	20	200.00 Pair
	490is	Vented	No	(2)5½			1	Dome	40-22	88	2k	8/4	36 x 7 x 9	Blk. Gloss	Blk. Knit	50	650.00 Pair
	390is	Vented	No	6½			1	Dome	42-22	88	2k	8/4	33 x 9 x 8	Blk. Ash	Blk. Knit	30	550.00 Pair
	290is	Vented	No	6½			1	Dome	45-22	87	2k	8/4	16 x 9 x 8	Blk. Ash	Blk. Knit	17	450.00 Pair
	190is	Vented	No	5½			1	Dome	48-22	87	2k	8/4	14 x 8 x 8	Blk. Ash	Blk. Knit	12	350.00 Pair
BPSS-210	Powered, Sealed-Servo, Bipolar Sub.	No	(2)10					18-150 Hz		42-150 (Var.)		18 x 24 x 17	Blk. Gloss	Blk.	85	2200.00 Each w/Xover	
PS-10	Powered Sub.	No	10					28-150 Hz ±3					Blk.	Blk. Knit		350.00 Each	
PS-12	Powered Sub.	No	12					22-150 Hz ±3					Blk.	Blk. Knit		500.00 Each	
BPS-100i	Powered Sub.	No	(2)6½					28-150 Hz ±3					Blk.	Blk. Knit		450.00 Each	
BPS-150i	Powered Sub.	No	(2)8					23-150 Hz ±3					Blk.	Blk. Knit		750.00 Each	
BPS-400i	Powered Sub.	No	(2)12					16-100 Hz ±3					Blk. Gloss	Blk. Knit		1200.00 Each	
(Continued)	MIDS-6.5	In-Wall	No	6½			1	Dome	45-22 ±3	87	2k	8/6	9 x 13 x 3	Wht.	Wht.	4	200.00 Each



# The Advanced Technology Inside Definitive's BP2000



Low frequency tuned column

25 mm pure aluminum dome, aperiodic transmission-line tweeter

Low diffraction driver baffle interface

Complex Linkwitz Riley crossover network

Front mirror-imaged D'Appolito bipolar array in non-resonant chamber

Massive subwoofer magnet structure

Electronic crossover

Accelerometer optimized cabinet braces

1" thick high density medite front baffle

Sonopure™ fiber internal dampening

Piano gloss black or gloss cherry endcaps

1" thick rear medite baffle

High definition pure copper wire

Multi-layered dampening pads line entire cabinet

17 cm mineral-filled polymer high-definition bass/midrange drivers

Rear mirror-imaged D'Appolito bipolar array in non-resonant chamber

15" high-power long-throw bi-laminate polymer subwoofer driver

Complete built-in powered subwoofer system

Gold-plated low-level subwoofer input (for optional use)

Gold-plated tri-wirable speaker level inputs

High current 300-watt RMS subwoofer amplifier

Toroidal transformer

1 1/4" thick high-density medite cabinet sidewall

**"...I would choose these speakers for myself."**

**-Julian Hirsch, Stereo Review**



# Definitive's Amazing BP 2000 & 2002 Are The World's Most Highly Acclaimed Loudspeakers!

*"The first speaker I have been able to audition in my own familiar surroundings that has given me that special thrill that usually costs ten or more times its price to obtain."*

—Julian Hirsch, *Stereo Review*, USA

## **"Literally Staggering"**

—*Home Theater*, USA

Top reviewers around the world agree that Definitive's amazing BP 2000s & BP 2002s combine highly advanced technology and superior build quality in order to achieve unsurpassed sonic performance plus unequalled value.

## **"Astounding...The Stuff of Dreams"**

—*Home Cinema Choice*, England

Definitive's revolutionary BP 2000 & BP 2002 combine our incredible bipolar technology with dual built-in high-powered subwoofers (BP 2000: 15"/300 watts ea., BP2002: 12"/125 watts ea.) for extraordinary sound quality beyond anything you've ever heard.

## **"Absolutely Unsurpassed"**

—*Prestige HiFi*, France

Both music and movies are reproduced with outstanding purity, transparency and life-like realism. And the astounding high resolution imaging, magnificent soundstaging, awesome bass and explosive dynamic impact totally envelop you in sonic ecstasy. It is simply amazing!



Definitive's Grand Prix award-winning BP 2000 and BP 2002 combine our revolutionary bipolar technology with awesome built-in powered subwoofers for unsurpassed performance.

## **"Amazing Music and Home Theater... Most Spectacular Speakers Ever"**

—*HiFi Review*, Hong Kong

In addition to being an audiophile's dream, the BP 2000s & BP 2002s are also the main speakers in Definitive's Ultimate Home Theater Systems. These astonishing systems are absolutely the finest sounding available. They recreate a "you are there" virtual reality that actually puts you into the sound-space of the original cinematic action.

## **"The Best Performance You Can Get"**

—*V.T.V.*, England

Experts agree these complete Dolby Digital AC-3\* ready systems deliver the ultimate listening experience. They combine BP 2000s or BP 2002s with perfectly matched center and rear surround speakers. Dual powered subwoofers are already built into the sleek towers. Experience them today!

**Definitive Technology**  
The Leader in High-Performance Loudspeakers.

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CIRCLE NO. 12 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application Design Principle Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Attachment, Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
MIRAGE (Continued)	MiDS-5.25 OM-6	In-Wall, Coaxial Powered Omni; Sealed	No	5 1/4 (2)8	(2)5 1/2	Cones	1/2 (2)1	Dome Domes	60-20 ±3 18-25 ±3	86 91	3.5k	8/6 6/6	7 x 7 x 3 46 x 10 x 17	Wht. Bk. Gloss	Wht. Bk. Knit	2 62	125.00 Each 3000.00 Pair
	OM-8	Powered Omni; Sealed	No	(2)6	(2)5 1/2	Cones	(2)1	Domes	20-22 ±3	91		6/			Bk. Knit		2200.00 Pair
	OM-10 OM-12	Omni; Vented	No	(2)6 1/2	(2)5 1/2		(2)1	Domes	32-22 ±3	91		6/			Bk. Knit		1200.00 Pair
	OM-CC3	Omni; Vented	No	(2)5 1/2	(2)5 1/2		(2)1	Domes	38-22 ±3	91		6/			Bk. Knit		800.00 Pair
	OM-R52	Ctr. Ch.; Vented Surround Ch.; Sealed	Yes	(2)5 1/2	(2)5 1/2		1	Dome				6/			Bk. Knit		300.00 Each
	MIL-HTS	4 Sats. & Ctr. Ch. (see below)	Sealed	No	(2)5 1/2	(2)5 1/2		1	Dome				6/		Bk. Knit		600.00 Pair
MIL-CC10 MIL-SR20	Ctr. Ch.; Sealed Sealed Sat.	Yes	Yes	(2)3 1/2 3 1/2			1 1	Dome Dome	90-22 ±3 90-22 ±3	88 88		8/ 8/	4 x 11 x 6 7 x 4 x 6	Opt. Opt.	Opt. Opt.		500.00 Sys. 150.00 Each 180.00 Pair
MISSION ELEC-TRONICS	75AS Freedom	Powered Sub.	No	(2)8					-6 dB at 27 Hz		50-150		17 x 24 x 10	Opt., Wood			1400.00 Each
	754 Freedom	Inf. Bat.; Bandpass Woofer Bass Ref.	No	8	6 1/2	Cone	1	Dome	70-20 ±1.5	90	110.3k	6/	43 x 9 x 13	Opt., Wood	Bk. Knit		3000.00 Pair
	75C Freedom	Powered Sub.	Yes	(2)5 1/4			1 1/2	Cone	20-250 Hz	91	1.9k	8/	7 x 21 x 7	Opt., Wood	Bk. Knit		600.00 Each
	AS1	Powered Sub.	No	10					20-250 Hz		40-180	8/		Opt., Wood	Bk. Ash		499.00 Each
	AS2	Powered Sub.	No	12					20-250 Hz		40-180	8/		Opt., Wood	Bk. Ash		699.00 Each
	700	Bass Ref.	No	5 1/4			1	Dome	60-20 ±3	87		8/	14 x 7 x 10	Bk. Ash		229.00 Pair	
	701	Bass Ref.	No	6 1/2			1	Dome	50-20 ±3	89		8/	18 x 9 x 12	Bk. Ash		299.00 Pair	
	702	Bass Ref.	No	8			1	Dome	45-20 ±3	90		8/	21 x 10 x 15	Bk. Ash		449.00 Pair	
	703	Bass Ref.	No	8			1	Dome	40-20 ±3	90		8/	38 x 10 x 15	Bk. Ash		599.00 Pair	
	704	Bass Ref.	No	8	6 1/2	Cone	1	Dome	35-20 ±3	89	120.4k	8/	42 x 10 x 17	Bk. Ash		849.00 Pair	
	705	Bass Ref.	No	(2)8	6 1/2	Cone	1	Dome	30-20 ±3	89	120.4k	8/	52 x 10 x 17	Bk. Ash		1499.00 Pair	
	731	Powered Woofer Bass Ref.	No	5 1/4			1	Dome	57-20	89		8/	13 x 7 x 8	Bk. Ash	Bk. Knit	9	249.00 Pair
	732	Bass Ref.	No	7			1	Dome	50-20	89		8/	16 x 8 x 12	Opt., Wood	Bk. Knit	17	449.00 Pair
	733	Bass Ref.	No	7			1	Dome	40-20	89		8/	33 x 8 x 12	Opt., Wood	Bk. Knit	31	649.00 Pair
	734	Bass Ref.	No	7	7	Cone	1	Dome	35-20	90		8/	33 x 8 x 13	Opt., Wood	Bk. Knit	36	899.00 Pair
735	Bass Ref.	No	(2)7	7	Cone	1	Dome	30-20	90		8/	42 x 8 x 13	Opt., Wood	Bk. Knit	45	1099.00 Pair	
73	Bass Ref.	Yes	4 1/4		Cone	1/2	Dome	75-20	90		8/	10 x 6 x 6	Opt.	Bk. Knit	6	249.00 Pair	
73C	Bass Ref.	Yes	(2)4 1/4			1	Dome	75-20	90		8/	7 x 17 x 8	Opt., Wood	Bk. Knit	13	490.00 Each	
751 Freedom	Bass Ref.	No	5 1/4			1	Dome	55-20	89		8/	12 x 7 x 11	Opt., Wood	Bk. Knit	29	800.00 Pair	
752 Freedom	Bass Ref.	No	6 1/2			1	Dome	45-20	90		8/	35 x 8 x 10	Opt., Wood	Bk. Knit	41	1200.00 Pair	
753 Freedom	Inf. Bat., Bass Ref.	No	(2)5 1/4	(2)5 1/4	Cones	1	Dome	38-20	90		8/	35 x 8 x 12	Opt., Wood	Bk. Knit	55	2000.00 Pair	
MITSUBISHI	M-FS10	Ported	Yes	10	5		1	Dome	25-20	92	500.2k	8/5	39 x 13 x 12	Bk. Blk.	Gray	55	799.00 Pair
	M-FS8	Ported	Yes	8			1	Dome	30-20	90	2k	8/5	37 x 10 x 14	Bk. Blk.	Gray	50	599.00 Pair
	M-CTR6	Ctr. Ch.; Ported	Yes	(2)6			1	Dome	45-20	91	2k	8/5	20 x 8 x 13	Bk. Blk.	Gray	24	279.00 Each
	M-CTR5	Ctr. Ch.; Inf. Bat.	Yes	(2)5			3/4	Dome	80-20	90	2.5k	8/5	6 x 20 x 8	Bk. Blk.	Gray	23	199.00 Each
	M-DS616	Ported	Yes	(2)6			1	Dome	45-20	91	2k	8/5	8 x 20 x 13	Bk. Blk.	Gray	24	499.00 Pair
	M-SS6	Ported	Yes	6			3/4	Dome	50-20	89	2.5k	8/5	16 x 8 x 9	Bk. Blk.	Gray	15	299.00 Pair
	M-SS5	Surround Ch.; Inf. Bat.	No	5			3/4	Dome	80-20	87	2.5k	8/5	10 x 7 x 6	Bk. Blk.	Gray	9	199.00 Pair
	M-SUB12	Powered, Ported Sub.	No	12					28-200 Hz				21 x 17 x 16	Blk.			499.00 Each
	M-SUB10	Powered, Ported Sub.	No	10					38-200 Hz				16 x 14 x 16	Blk.			349.00 Each
	M&K SOUND	SW-85	In-Wall	No	5 1/4			1	Dome	70-20 ±2	91	2k	4/4	11 x 7	Steel	Wht. Metal	10
SW-95		In-Wall	No	6 1/2			1	Dome	50-20 ±2	93	2k	4/4	12 x 9	Steel	Wht. Metal	13	500.00 Each
S-85		Ac. Sus. Sat.		5 1/4			1	Dome	85-22 ±2	90	2k	4/4	11 x 6 x 8	Opt.	Bk. Knit	9	695.00 Pair
S-85C		Ctr. Ch.; Ac. Sus.		5 1/4			1	Dome	85-22 ±2	90	2k	4/4	6 x 11 x 8	Opt.	Bk. Knit	9	395.00 Each
Bookshelf-75		Ac. Sus.		6 1/2			1	Dome	75-22 ±3	92	2k	4/4	14 x 8 x 10	Opt.	Bk. Knit	17	450.00 Pair
Center/LCR-75		Main or Ctr. Ch.; Ac. Sus.		(2)5			1	Dome	75-22 ±3	92	2k	4/4	5 x 17 x 7	Blk.	Bk. Knit	16	295.00 Each
SS-150 THX		THX; Tripole Surround		5 1/4	(2)3 1/4	Cones	1	Dome	85-22 ±2	92	2k	4/3.2	11 x 8 x 7	Opt.	Bk. Knit	11	1095.00 Pair
SS-250		Tripole Surround		6 1/2	(2)3 1/4	Cones	(3)1	Oomes	75-22 ±2	93	2k	4/3.2	12 x 12 x 10	Blk.	Bk. Knit	20	1995.00 Pair
S-150 THX		THX; Front Ch.; Ac. Sus. Sat.		(2)5 1/4			(3)1	Oomes	80-22 ±2	93	2k	4/4	13 x 13 x 10	Blk.	Bk. Knit	24	800.00 Each
MX-150 THX		THX; Powered Ac. Sus. Sub.	Yes	(2)12					18-125 Hz	80		200/15k	23 x 16 x 20	Blk.	Blk.	74	1295.00 Each
S-125		Ac. Sus. Sat.		(2)5 1/4			1	Dome	80-22 ±2	91	2k	4/4	19 x 7 x 9	Blk.	Blk.	17	995.00 Pair
S-125C		Ctr. Ch.; Ac. Sus.		(2)5 1/4			1	Dome	80-22 ±2	91	2k	4/4	7 x 19 x 9	Blk.	Blk.	17	550.00 Each
V-125 THX		THX; Powered Ac. Sus. Sub.	Yes	12					20-125 Hz	80		200/15k	19 x 16 x 21	Blk.	Blk.	52	850.00 Each
V-125		Powered Ac. Sus. Sub.	Yes	12					20-125 Hz		50-125	200/15k	19 x 16 x 21	Blk.	Blk.	52	795.00 Each
V-75II		Powered Ac. Sus. Sub.	No	12					24-125 Hz		50-125 (Adj.)	200/15k	19 x 16 x 21	Blk.	Blk.	42	625.00 Each
MX-350 THX		THX; Powered Ac. Sus. Sub.	Yes	(2)12					18-125 Hz	80		200/15k	23 x 16 x 20	Blk.	Blk.	84	1795.00 Each
MX-125II		Powered Push-Pull Ac. Sus. Sub.	No	(2)12					20-125 Hz ±2		50-125 (Adj.)	200/15k	23 x 16 x 20	Opt., Wood	Bk. Knit	64	1095.00 Each
MX-70B		Powered Push-Pull Ac. Sus. Sub.	No	(2)8					25-125 Hz ±2		50-125 (Adj.)	200/15k	18 x 10 x 14	Blk.	Bk. Knit	48	995.00 Each
MX-5000 THX II		THX; Powered Push-Pull Ac. Sus. Sub.	Yes	(2)12					18-125 Hz			200/15k	24 x 16 x 26	Opt., Wood	Bk. Knit	115	2695.00 Each
S-5000 THX		THX; Trans. Line Sat.		(2)6 1/2			(2)1	Domes	72-20 ±2	94	2k	4/4	24 x 12 x 12	Opt., Wood	Bk. Knit	55	1195.00 Each
SS-500 THX		THX; Surround; Ac. Sus. Sat.		(2)5 1/4			(2)1	Domes	80-20 ±2	90	2k	4/4	16 x 7 x 7	Opt., Wood	Bk. Knit	22	1595.00 Pair
S-100B		Ac. Sus. Sat.		(2)5 1/4			(3)1	Oomes	77-22 ±2	93	2k	4/4	12 x 11 x 9	Blk.	Bk. Knit	22	1195.00 Pair
MX-200		Powered Push-Pull Ac. Sus. Sub.	No	(2)12					20-125 Hz ±2		50-125 (Adj.)	200/15k	23 x 16 x 20	Opt., Wood	Bk. Knit	82	1495.00 Each
MX-300		Powered Push-Pull Ac. Sus. Sub.	No	(2)12					20-125 Hz ±2		50-125 (Adj.)	200/15k	23 x 19 x 26	Opt., Wood	Bk. Knit	105	2195.00 Each
S-1C		Push-Pull Ac. Sus. Sat.		(2)5 1/4			(2)1	Domes	77-22 ±2	93	2k	4/4	21 x 8 x 11	Opt., Wood	Bk. Knit	20	995.00 Each
VX-7II	Powered Ac. Sus. Sub.	No	8					40-125 Hz ±2		50-125 (Adj.)	200/15k	10 x 14 x 11	Blk.	Bk. Knit	21	495.00 Each	



# “All Definitive’s New Bipolar Towers Deliver Astounding Sound for Music & Movie Perfection”

*The extraordinary new BP30, 10B, 8B and 6B (from \$299) now have BP2000 Series technology for dramatically superior sonic performance!*

## “Truly Outstanding”

— *Stereo Review*

Absolute sonic superiority and unexcelled value have made Definitive the leader in high-performance loudspeakers. We are now pleased to introduce a new series of incredible-sounding bipolar towers which incorporate drivers, pure aluminum dome tweeters, crossovers and cabinet technology developed for our flagship BP2000 Series.

These exquisitely styled, American-made, bipolar (front and rear radiating) systems totally envelop you in a symphony of sonic perfection. They combine lush, spacious sound-staging, lifelike depth-of-field, razor-sharp resolution, pinpoint 3-D imaging, powerful subwoofer-quality bass (to below 20 Hz), high efficiency and ultra-wide dynamic range for unsurpassed reproduction of music and movies in your home.



*The breathtaking performance of our award-winning bipolar speakers makes your music and movies really come alive.*

## “Music and Movie Sound was Stunning” — *Video Magazine*

Combine the BP6B, 8B, 10B or 30 with our matching centers, bipolar surrounds and optional PowerField subwoofers for the most lifelike, spectacular “you are there” music and home theater available. All are completely Dolby Digital AC-3\* ready.

## Award after Award Confirms Definitive’s Sonic Superiority

- *Stereo Review* “Dream System”
  - *Video Magazine* Product-of-the-Year
  - *AudioVideo* Speaker-of-the-Year
  - CES Design & Engineering Awards
  - *Sound & Vision* Critic’s Choice
  - *Inner Ear Report* Editor’s Choice
- You owe it to yourself to hear these remarkable speakers today.

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CIRCLE NO. 12 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, $\pm$ dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
MONITOR AUDIO	MA 301 Monitor 2.5	Bass Ref.	Yes	5			3/4	Dome	55-24	88	3.1k	6/	11 x 7 x 8	Blk.	Blk. Knit	22	499.00 Pair
	Monitor 3	Bass Ref.	No	5			3/4	Dome	50-24	90	3.1k	8/	13 x 7 x 8	Opt., Wood	Blk. Knit	24	699.00 Pair
	CC300	Bass Ref.	Yes	(2)5			3/4	Dome	35-24	90	3.1k	8/	35 x 7 x 8	Opt., Wood	Blk. Knit	26	999.00 Pair
	MA FX 1	Bass Ref.	Yes	(2)5			3/4	Dome	40-24	89	3.3k	6/	7 x 20 x 8	Blk.	Blk. Knit	15	449.00 Each
	700PMC	Dipole Surround Bass Ref.	No	6 1/2			1	Dome	40-24	89	3.3k	6/		Opt., Knit	Blk. Knit	35	799.00 Pair
	702PMC	Bass Ref.	No	6 1/2			1	Dome	38-30	89	3.3k	8/	14 x 9 x 10	Opt., Wood	Blk. Knit	40	999.00 Pair
	703PMC	Bass Ref.	No	6 1/2			1	Dome	35-30	90	3.3k	8/	16 x 8 x 10	Opt., Wood	Blk. Knit	42	From 1499.00 Pair
	705PMC	Ac. Sus.	No	(2)6 1/2			1	Dome	33-30	90	3.3k	8/	35 x 8 x 11	Opt., Wood	Blk. Knit	49	From 1999.00 Pair
	CC700 MA FX 2	Bass Ref.	Yes	(2)5			1	Dome	30-30	90	3.3k	8/	37 x 8 x 11	Opt., Wood	Blk. Knit	55	From 2499.00 Pair
	MA FX 2	Dipole Surround	Yes	(2)5			3/4	Dome	45-30	89	3.1k	6/	7 x 21 x 8	Blk.	Blk. Knit	16	799.00 Each
	Studio 2se	Bass Ref.	Yes	(2)5			1	Dome	40-24	89	3.1k	6/		Opt., Knit	Blk. Knit	1199.00 Pair	From 1199.00 Pair
Studio 6	Bass Ref.	No	6 1/2			1	Dome	55-30	89	3.1k	8/	11 x 7 x 8	Opt., Wood	Blk. Knit	25	From 1199.00 Pair	
Studio 20se	Bass Ref.	No	6 1/2			1	Dome	40-30	88.5	3.3k	8/	14 x 9 x 10	Opt.	Blk. Knit	44	From 1199.00 Pair	
Studio 50	Ac. Sus.	No	(2)6 1/2	6 1/2		1	Dome	33-30	88.5	3.3k	8/	36 x 8 x 11	Opt.	Blk. Knit	55	From 1999.00 Pair	
Studio 60	Ac. Sus.	No	(2)6 1/2	6 1/2		1	Dome	28-30	90	375,3.5k	8/	42 x 8 x 12	Opt.	Blk. Knit	56	From 3499.00 Pair	
																56	From 5995.00 Pair
																62	From 11,000 Pair
MONSTER SOUND	IS-8000	In-Wall; Inf. Baf.	No	8			1	Dome	48-20	88	1.8k	8/	9 x 12		Wht. Metal		400.00 Pair
	IS-6500	In-Wall; Inf. Baf.	No	6 1/2			1	Dome	60-20	87	1.8k	8/	7 x 11		Wht. Metal		300.00 Pair
	IS-5250 Round	In-Wall; Inf. Baf.	No	5 1/4			1	Dome	75-20	87	4.5k	8/	7 Dia.		Wht. Metal		125.00 Each
	IS-5250	In-Wall; Inf. Baf.	No	5 1/4			1	Dome	70-20	87	1.8k	8/	6 x 10		Wht.		225.00 Pair
MONTANA	DP	Bass Ref.	No	(2)5 1/4			3/4	Dome	45-20	87	4.1k	6/4	41 x 8 x 9	Opt.	Blk. Knit	55	1995.00 Pair
	SP	Bass Ref.	No	(2)6 1/2			1	Dome	30-22	89	3k	6/4	45 x 9 x 13	Opt.	Blk. Knit	93	3495.00 Pair
	EPS	Bass Ref.	No	(2)8	(2)4	Cones	1	Dome	20-25	92	300,3k	4/3	54 x 14 x 15	Opt.	Blk. Knit	154	7995.00 Pair
	XP	Bass Ref.	No	(2)10	(2)7, (2)4	Cones	1	Inv. Dome	20-22	93	80,500,4k	4/3	80,500,4k	Opt.	Blk. Knit	254	14,995 Pair
	XPS	Bass Ref., Sealed	No	15,12	(2)4, (2)7, (2)4	Cones	1	Dome	17-25	95	80,300, 3.5k	4/3	72 x 19 x 28	Opt.	Blk. Knit	720	54,995 Pair
MORDAUNT-SHORT	T1000	Ctr. Ch.		(2)4 1/2	4 1/2		1		80-20	92		6/	6 x 17 x 8	Gray	Blk. Knit	15	479.00 Each
	T2000	Sub.		(2)8					20-250 Hz			6/	24 x 10 x 19	Blk. Ash	Cloth	40	1049.00 Each
	Performance 820	Bass Ref.		(2)4 1/2	4 1/2		1	Dome	42-25	90		6/	31 x 9 x 12	Blk. Gloss	Cloth	49	2095.00 Pair
	Performance 860	Bass Ref.		(2)7	4 1/2		1	Dome	35-25	90		6/	34 x 10 x 14	Blk. Gloss	Cloth	57	2795.00 Pair
	Performance 880	Bass Ref.		(2)8	4 1/2		1	Dome	28-25	90		6/	37 x 12 x 16	Blk. Gloss	Cloth	66	3795.00 Pair
	CS3	Sat.		4 1/2			1	Dome	80-20	90		6/	10 x 6 x 5	Gray	Blk.	5	269.00 Pair
	CS5	Sat.		4 1/2			1	Dome	80-20	90		8/	10 x 6 x 5	Gray	Blk.	5	319.00 Pair
	MSCi	Ctr. Ch.	Yes	(2)4 1/2			1	Dome	65-20			8/	6 x 18 x 7	Blk. Ash	Blk. Knit	12	359.00 Each
	MS05i	Bass Ref.		4	1/2		1	Dome	65-20	87		8/	10 x 7 x 7	Blk. Ash	Blk. Knit	6	229.00 Pair
	MS10i	Bass Ref.		5			1	Dome	60-20	88		8/	12 x 7 x 8	Opt., Wood	Blk. Knit	10	319.00 Pair
	MS10i Classic	Bass Ref.	No	4 1/2			1	Dome	58-20			8/	12 x 7 x 10	Blk. Knit	Blk. Knit	12	659.00 Pair
	MS20i	Bass Ref.		7			1	Dome	55-20	89		8/	14 x 9 x 8	Opt., Wood	Blk. Knit	12	419.00 Pair
	MS25i	Bass Ref.		7			1	Dome	45-20	89		8/	29 x 9 x 8	Opt., Wood	Blk. Knit	19	659.00 Pair
	MS30i	Bass Ref.		8			1	Dome	50-20	90		8/	17 x 10 x 11	Opt., Wood	Blk. Knit	18	529.00 Pair
MS40i	Bass Ref.		(2)7			1	Dome	45-20	90		8/	32 x 9 x 11	Opt., Wood	Blk. Knit	28	899.00 Pair	
MS50i	Bass Ref.		(2)8			1	Dome	40-20	90		8/	34 x 10 x 12	Opt., Wood	Blk. Knit	38	1169.00 Pair	
MOREL ACOUSTICS	Renaissance Enigma	Trans. Line	No	10 1/2	3		1 1/2	Dome	33-22 $\pm$ 3	91		8/	12 x 12 x 42	Opt.	Blk. Knit	56	1800.00 Pair
	Renaissance Prelude	Ac. Sus.	No	6			1 1/2	Dome	34-25 $\pm$ 2	89	3.8k	8/6.5		Opt.	Blk. Cloth	48	1495.00 Pair
	Renaissance Piccolo	Surround Ch. Sat.	Yes	5 1/2			1 1/2	Dome	60-22 $\pm$ 3	89	2.3k		10 x 8 x 12	Blk.	Blk.	15	695.00 Pair
	Renaissance Surround	Ctr. Ch.	Yes	(2)4			1 1/2	Dome	60-22 $\pm$ 3	89		8/	6 x 8 x 10	Blk. Lacq.	Blk. Knit	52	495.00 Pair
	Renaissance RC-4.2	Ac. Sus.	Yes	(2)4			1 1/2	Dome	60-22 $\pm$ 3	90		8/	18 x 6 x 7	Blk. Lacq.	Blk. Knit	22	395.00 Each
	Duet Encore	Ac. Sus. Sats. & Sub.	No	6	6		1 1/2	Dome	40-22 $\pm$ 2	89	1.8k	5/4	8 x 15 x 12	Wood Ven.	Blk. Knit	20	995.00 Pair
				(2)9			1 1/2	Dome	30-22 +1,-3	91	90,1.6k	4/	Three Pieces	Blk. Lacq.	Blk. Cloth	48	829.00 Sys.
	MLP-501	Ac. Sus.	No	9	5 1/2	Dome	1 1/2	Dome	36-22 $\pm$ 3	90	500,5k	8/6.5	11 x 12 x 33	Opt., Wood Ven.	Blk. Cloth	42	999.00 Pair
	MLP-403.3	Ac. Sus.	No	9	3	Dome	1 1/2	Dome	38-25 $\pm$ 3	90	500,5k	6/4	21 x 12 x 10	Wood Ven.	Blk. Knit	26	845.00 Pair
	MLP-203	Ac. Sus.	No	6			1 1/2	Dome	45-22 $\pm$ 3	90		6.5/4	8 x 10 x 16	Wood Ven.	Blk. Knit	640.00 Pair	From 640.00 Pair
	MLP-2021i	Ac. Sus.	No	6			1 1/2	Dome	60-28 $\pm$ 3	89	1.6k	6/4	8 x 13 x 10	Wood Ven.	Blk. Knit	14	545.00 Pair
MLP-201.3	Ac. Sus.	No	6			1 1/2	Dome	40-20 $\pm$ 3	90	1k	8/6	9 x 13 x 10	Blk.	Blk. Knit	16	349.00 Pair	
MLP-201.2	Ac. Sus.	No	8			1 1/2	Dome	48-22 $\pm$ 3	89		8/6	10 x 10 x 16	Wood Ven.	Blk. Knit	19	450.00 Pair	
MORRISON AUDIO	1.6	1/4-Wave Omni	Opt.	8			1	Dome	35-25	87	3.5k	8/4	12 x 12 x 25	Blk. Lacq.	Blk. Lacq.	50	3000.00 Pair
	1.8	1/4-Wave Omni	Opt.	8			1	Dome	25-25	87	3.5k	8/4	13 x 14 x 33	Blk. Lacq.	Blk. Lacq.	110	6000.00 Pair
MTX	PS10	Powered Sub.	Yes	10					40-150 (Var.)				15 x 15 x 17	Blk.		46	399.95 Each
	PS12	Powered Sub.	Yes	12					40-150 (Var.)				16 x 16 x 18	Blk.		51	449.95 Each
	PS15	Powered Sub.	Yes	15					50-150 (Var.)				17 x 17 x 20	Blk.		64	599.95 Each
	Blueprint MP42B/W		Yes	4			1/2	Dome	110-20			8/	13 x 5 x 5	Opt.	Mesh	8	109.95 Each
	Power 112	Vented		12			2	Horn	39-18	95	1.8k	8/8	25 x 17 x 14	Gray Carpet	Blk. Steel	56	499.95 Each
	Power 115	Vented		15			2	Horn	30-18	96	1.8k	8/8	28 x 22 x 18	Gray Carpet	Blk. Steel	76	549.95 Each
Power 215	Vented		(2)15			2	Horn	32-18	97	1.8k	4/4	47 x 22 x 18	Gray Carpet	Blk. Steel	118	749.95 Each	
Power S15	Bandpass Sub.		15					35-145 Hz	98		8/8	29 x 22 x 18	Gray Carpet	Blk. Steel	76	399.95 Each	
AAL 525SB	Ctr. Ch.		(2)5 1/4			1/2	Dome	100-20		7k	8/	8 x 16 x 8	Blk.	Blk. Knit	13	149.95 Each	



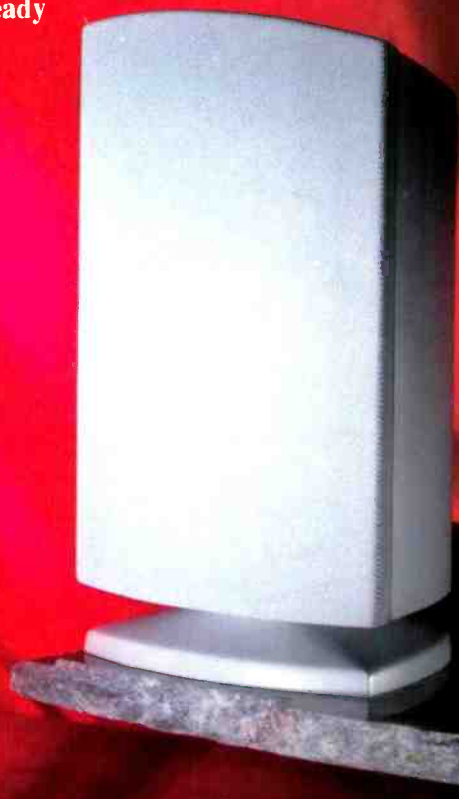
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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Acoustic Frequency Response, Hz to Hz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
MTX (Continued)	AAL 600	Ported		6½			½	Dome	90-22	88	7k	8/7	13 x 10 x 7	Opt.	Knit	12	169.95 Pair
	AAL 620S	Ported	Yes	6½			½	Dome	90-20	88		8/	13 x 9 x 7	Opt.	Knit	12	199.95 Pair
	AAL 830	Ported		8	3	Cone		Horn	75-22	91		4/	19 x 12 x 8	Opt.	Knit	14	259.95 Pair
	AAL 1030	Ported		10	5	Cone	2x5	Horn	55-22	92		4/	24 x 15 x 10	Opt.	Knit	34	189.95 Each
	AAL 1240	Ported		12	5.3	Cones	2x5	Horn	50-22	92		4/4	27 x 16 x 11	Opt.	Knit	39	229.95 Each
	AAL 1540	Ported		15	5.3	Cones	2x5	Horn	40-22	92		4/4	29 x 19 x 15	Opt.	Knit	57	289.95 Each
	AAL 2230	Ported		(2)12	5	Cone	2x5	Horn	38-22	93		4/4	40 x 16 x 15	Opt.	Knit	82	359.95 Each
	Blueprint 500	In-Wall, Coaxial		5¼			½	Dome	69-20 ±6	88	8k	8/4	7 x 7 x 2	Wht.	Wht. Mesh	8	119.95 Pair
	Blueprint 520	In-Wall		5¼			1	Dome	50-20	89	2.8k	8/	8 x 11 x 3		Wht. Steel	10	199.95 Pair
	Blueprint 600	In-Wall, Coaxial		6½			½	Dome	63-20 ±6	88	8k	8/4	9 x 9 x 3	Wht.	Wht. Mesh	9	149.95 Pair
	Blueprint 620	In-Wall, Coaxial		6½			1	Dome	45-20	90	2.8k	8/	9 x 12 x 3	Wht.	Wht. Steel	11	249.95 Pair
	Blueprint 650WR	In-Wall, Coaxial		6½			½	Dome	60-20 ±6	89		8/4	9 x 9 x 3	Wht.	Wht. Mesh	9	179.95 Pair
	Blueprint 820	In-Wall		8			1	Dome	40-20	90	2.5k	8/	10 x 14 x 4		Wht. Steel Mesh	14	299.95 Pair
	Blueprint 510 RCM	In-Ceiling, Coaxial	No	5¼			1	Dome	69-20	88		8/	7 Dia.	Wht.	Wht. Mesh	3	119.95 Pair
	Blueprint 610 RCM	In-Ceiling		6½			1	Dome	60-20			8/4		Wht.	Wht. Mesh	4	189.95 Pair
	Blueprint 622 RCM	In-Ceiling		6½		(2)1	1	Domes	63-20	88		8/		Wht.	Mesh		109.95 Each
	Blueprint 810 RCM	In-Ceiling		8			1	Dome	63-20	88		8/4		Wht.	Mesh		249.95 Pair
	Blueprint FS8A	In-Floor, Vented Sub.		8			1	Dome	52-200 Hz ±3	90	200	8/6	9 x 11 x 28		Mesh		239.95 Each
	Blueprint FS10A	In-Floor, Sub.		10			1	Dome	48-200 Hz ±3	92	200	8/	9 x 15 x 29	Blk.	Wht. Mesh	32	279.95 Each
	Pointe MS-5A	In-Wall; Bass Ref.		5¼			1	Dome	50-22			8/	8 x 11 x 3	Wht.	Wht. Mesh	5	299.95 Pair
Pointe MS-6A	In-Wall; Bass Ref.		6½			1	Dome	45-22			8/	9 x 12 x 3	Wht.	Wht. Mesh	6	399.95 Pair	
Pointe MS-8A	In-Wall; Bass Ref.		8			1	Dome	40-22			8/	10 x 14 x 4	Wht.	Wht. Mesh	7	499.95 Pair	
Pointe CMS-6.5A	In-Ceiling; Coaxial		6½			1	Dome	60-22			8/4		Wht.	Wht. Mesh	5	399.95 Pair	
Pointe CMS-8.5A	In-Ceiling; Coaxial		8			1	Dome	45-22			8/4		Wht.	Wht. Mesh	7	499.95 Pair	
WR5B/W	Outdoor		5¼			1	Dome	92-20					Opt.	Mesh	13	249.95 Pair	
MUSICAL TECHNOLOGY	Hobby		Yes	5			1	Dome	70-22 ±2	85	2.1k	6/4	16 x 8 x 7	Blk.	Blk.	20	590.00 Each
	Osprey		Yes	2x5			1	Dome	60-22 ±2	87	2.1k	6/4	25 x 7 x 7	Blk.	Blk.	12	570.00 Each
	Merlin			2x5			1	Dome	80-22 ±2	87	2.1k	6/4	17 x 7 x 7	Blk.	Blk.	10	460.00 Each
	Condor	Sub.		6½			1	Dome	50-22 ±1.5	87	2k	6/4	34 x 10 x 9	Blk.	Blk.	32	1990.00 Pair
	Terrel			13x8			1	Dome	60-22 ±2	85	Adj.	6/4	28 x 20 x 12	Blk.	Blk.	30	1290.00 Pair
	Kestrel			5			1	Dome	60-22 ±2	85	2.1k	6/4	31 x 8 x 7	Blk.	Blk.	17	790.00 Pair
	Harrier			6½			1	Dome	50-22 ±2	87	2.1k	6/4	31 x 10 x 9	Blk.	Blk.	22	1100.00 Pair
	Falcon			(2)6½			1	Dome	45-25 ±2	90	2.3k	6/4	44 x 13 x 13	Blk.	Blk.	41	1620.00 Pair
	Hawk			6½			1	Dome	40-20 ±2	87	1.6k	6/4	36 x 15 x 15	Blk.	Blk.	41	4200.00 Pair
	Eagle			8			1	Dome	38-20 ±2	88	1.5k	6/4	39 x 17 x 18	Blk.	Blk.	72	4900.00 Pair
NAIM AUDIO	Intro	Bass Ref.	No	8			¾	Dome	35-20 ±3	89		6/6	10 x 11 x 35	Blk. Vinyl	Blk.	37	1500.00 Pair
	Credo	Bass Ref.	No	8			¾	Dome	35-20 ±3	89		6/6	10 x 11 x 35	Opt., Wood	Blk.	37	From 2300.00 Pair
	SBL DBL	Inf. Basf.	No	8	5	Cone	¾	Dome	30-20 ±3	88	2.4k	6/6	11 x 11 x 34	Opt.		60	3800.00 Pair
	Inf. Basf.	No	15			¾	Dome	17-20 ±3	92	350,3.5k	4/4	16 x 26 x 47	Opt.		200	16,000.00 Pair	
NCA	51 LW	Front Ch.		5¼			½	Dome	100-18 ±3	89		8/5	11 x 7 x 7	Blk. Wal.	Blk. Knit	9	180.00 Each
	51 SW	Front Ch.		5¼			¾	Dome	100-22 ±3	89		8/5	11 x 7 x 7	Blk. Wal.	Blk. Knit	10	200.00 Each
	515 V	Front Ch.		(2)5¼			¾	Dome	80-20 ±3	90		8/5	19 x 9 x 9	Blk. Wal.	Blk. Knit	21	380.00 Each
	51 D	Dipole Surround		(2)5¼			(2)½	Domes	80-20 ±3	90		8/5	10 x 8 x 12	Blk. Wal.	Blk. Knit	22	380.00 Each
	616 V	Front Ch.		(2)6½			(2)1	Domes	45-20 ±3	91		8/5	21 x 10 x 10	Blk. Wal.	Blk. Knit	30	550.00 Each
	61 W	Dipole Surround		(2)6½			(2)1	Domes	80-20 ±3	91		8/5	13 x 17 x 10	Blk. Wal.	Blk. Knit	32	600.00 Each
	CW 61	Ported		6½			1	Dome	37-20 ±3	90		8/8	25 x 9 x 13	Blk. Wal.	Blk. Knit	35	350.00 Each
	CW 616	Ported		(2)6½			1	Dome	25-20 ±3	89		8/5	33 x 9 x 14	Blk. Wal.	Blk. Knit	50	380.00 Each
	1261	Ported		12	6½	Cone	1	Dome	25-20 ±3	90		8/6	40 x 14 x 12	Blk. Wal.	Blk. Knit	58	800.00 Each
	71	Slotted Port		7			1	Dome	32-22 ±2	92		8/5	45 x 9 x 17	Oiled Wal.	Blk. Knit	75	1300.00 Each
	717	Slotted Port		(2)7			1	Dome	30-22 ±2	90		8/5	45 x 9 x 17	Oiled Wal.	Blk. Knit	99	1600.00 Each
	747	Slotted Port		(2)7		(2)4	¾	Dome	30-22 ±2	90		8/4	30 x 10 x 14	Opt.	Blk. Knit	75	2500.00 Each
	71 D	Dipole Surround		(2)7			(2)1	Domes	80-22 ±2	90		8/5	15 x 10 x 16	Opt.	Blk. Knit	32	800.00 Each
	G-10	Ported Sub.		10					30-500 Hz ±3	90		8/4	13 x 13 x 14	Blk. Wal.	Blk. Knit	35	375.00 Each
	G-12	Ported Sub.		12					25-500 Hz ±3	89		8/4	17 x 17 x 17	Blk. Wal.	Blk. Knit	47	500.00 Each
G-15	Ported Sub.		15					20-500 Hz ±3	89		8/4	32 x 17 x 17	Blk. Wal.	Blk. Knit	86	730.00 Each	
G-18	Sealed Sub.		18					10-300 Hz ±2	89		8/6	30 x 22 x 22	Opt.	Blk. Knit	180	1500.00 Each	
N.E.A.R.	WAF-1	In-Wall		5¼	5¼		½	Dome	65-14	88			7 x 7 x 4	Wht. ABS	Alum.	5	299.00 Pair
	WAF-2	In-Wall; Coaxial		8				Dome	65-20	88			7 x 7 x 4	Wht. ABS	Alum.	5	379.00 Pair
	PS-2	Powered, Sealed Sub.	Yes	8					24-145 Hz ±2		5k	55-145 (Var.)	Blk. Ash	Blk.	65	1299.00 Each	
	PS-4	Powered, Sealed Sub.	Yes	8					24-145 Hz ±2			55-145 (Var.)	Blk. Ash	Blk.	130	1999.00 Each	
	Mast	Vented		(2)5¼			1%	Cone	38-23 ±2	89	2.2k	4/4	48 x 7 x 8	Blk. Gloss	Blk. Knit	53	1099.00 Pair
	40ME	Vented		(4)5¼			1%	Cone	27-26 ±2	90	2.2k	8/6	59 x 7 x 10	Blk. Gloss	Blk. Knit	70	1999.00 Pair
	50ME II	Vented		8¼	4	Cone	1%	Cone	30-26 ±2	88	2.3k	8/6	10 x 11 x 39	Opt., Wood	Blk. Knit	46	1499.00 Pair
	10M II	Vented		8¼			1%	Cone	27-26 ±2	91	250,4k	8/6	10 x 12 x 48	Opt., Wood	Blk. Knit	58	2499.00 Pair
		Vented		5¼			1%	Cone	48-22 ±2	88	1.8k	4/4	7 x 9 x 11	Blk. Ash	Blk. Knit	14	From 449.00 Pair
	10MV II	Ctr. Ch., Vented		5¼			1%	Cone	48-22 ±2	88	1.8k	4/4	7 x 9 x 11	Lam. Blk. Ash	Blk. Knit	17	349.00 Each
	15M	Vented		6½			1%	Cone	42-22 ±2	88	2k	8/6	15 x 12 x 10	Lam. Blk. Ash	Blk. Knit	24	799.00 Pair
	20M II	Vented		(2)5¼			1%	Cone	42-22 ±2	88	2.2k	4/4	22 x 7 x 10	Lam. Blk. Ash	Blk. Knit	32	999.00 Pair
JIB-20MV	Ctr. Ch., Vented		(2)5¼			1%	Cone	42-22 ±2	88	2.2k	4/4	22 x 7 x 10	Lam. Blk. Ash	Blk. Knit	36	499.00 Each	
Genoa	Ctr. Ch., Sealed Dipole/Bipole	Yes	(2)5¼	4	Cone	1	inv. Cone	80-21 ±2	89	250,4k	4/3	20 x 10 x 10	Opt., Wood	Blk.	40	799.00 Each	
10MBD	Surround		(2)5¼			1%	Cone	60-22	88	1.8k	8/6	7 x 9 x 11	Blk. Ash	Blk. Knit	21	749.00 Pair	
(Continued)	AEL-1.1A	Outdoor, Sealed		5¼					65-13 ±3	88	3k	4/4	8 x 8 x 8	Poly.	PVC	8	318.00 Pair



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**Legacy Classic**

Manufacturer: Legacy Audio, 3023 Sangamon Avenue, Springfield, IL 62702; 800/283-4644

Price: \$2,450/pair (includes shipping)

Source: Manufacturer loan

Reviewer: Tom Lyle

I hope that KWN doesn't mind my quoting from one of his reviews, because in just about every case the sonic character of the Legacy Classic mirrors his description of the sound of the Legacy FOCUS. It was back in *Issue 54* that he reviewed the FOCUS which ended up becoming his new reference. OK, I've never heard the FOCUS, and I may never have the chance unless I visit Legacy's Springfield, Illinois factory, or an audiophile who lives near me orders a pair of these factory-direct-only speakers. Yet, by the way Karl describes them, they sure sound like the Classics, because in just about every case the sonic character of the Legacy Classic mirrors his description of the sound of the Legacy FOCUS.

Yes, the Classics are smaller than the Foci, and have a different driver complement, but my listening room is not as big as KWN's. At 18' x 14' x 8' my listening room would by most standards be considered only a small to medium room. It is reasonable to think that the 55" high FOCUS would be too big - and three 12" woofers would be overkill. The 44" x 12" x 12" Classics are the perfect size for my room. The dual 10" woofers, 7.5" KEVLAR lower midrange driver, and the three

tweeters (a 1.25" lower treble linen dome, 4" ribbon upper treble, and a rear-firing titanium dome) provide plenty of air moving and power handling capacity. Combined with a sensitivity of 92 dB, it pretty much guarantees there will be plenty of dynamic headroom regardless of almost any power amp used.

For more than two years my reference speakers have been the Snell C/Vs. I chose these \$2,600 six-driver speakers over dozens of contenders. Their subtractive faults dwell mostly in the frequency extremes. Nevertheless, their

missing deep bass and highest upper treble are more than made up for by their extremely transparent midrange. Plus, if you put as great an importance on being able to handle many different types of music as I do, including rock and electronica, they were unbeatable in their price class. Don't get me wrong, I think it's very important that a speaker be able to render a lifelike sonic picture of a full orchestra or jazz combo, but if they can't pump out the multi-tracked close-miked rock, they need not apply for a position in my system.

So, enter the Legacy Classics. I already stated that they were the perfect size for my room, and had a driver complement that promised to move a generous amount of air. What I didn't mention is that they do this in a very handsome package. My review pair were finished in a cherry walnut veneer. There are at least seven other finishes available, including mahogany, rosewood, and four shades of oak including the requisite black. Even with the grilles off (I've never had the grilles on since they were set up in my listening room) they look good because the front of the cabinet is in the same finish. And, as KWN stated in his FOCUS review, their fit and finish gave the appearance that they were carefully crafted by a fine furniture maker.

On the front of the cabinet are mounted all the drivers except two. One of the two 10" woofers and the titanium domed tweeter are located on the rear panel, along with two pairs of heavy duty five-way binding posts. On the same plate as the binding posts are a set of five (count 'em, five) switches to tailor the sound of the speakers. Four of these switches, says Legacy, are to correct for acoustic irregularities in one's listening room, the fifth turns off the rear-firing tweeter for listeners who wish to do so. However, Legacy says that the rear-firing tweeter offsets the illusion that louder high frequency sounds are placed further to the front of the soundstage. By some quick testing, I determined the same, so I left that tweeter switched on.

Because my listening position is relatively close to the speakers, about eight feet or so, and the speakers themselves were about three feet from the rear wall, none of the switches brought about an improvement in sound. The Legacy Classics in other listening rooms may behave differently, so these switches may come in handy. One switch shelves information above 400 Hz by 2 dB, another gently notches the 60-85 Hz when room boundaries are a problem. Another lessens the edginess of bright program

material by reducing frequencies in the lower treble, and the last is a low-frequency impedance contour when using amplifiers with high current capability. This reduces distortion in the octave above system resonance when using these amplifiers.

Legacy designer Bill Dudleston realizes that many potential owners of the Classics may have rooms or personal tastes that might require tailoring of the speaker's sound greater than what the rear panel switches can accomplish. The owner's manual has a section on how Legacy is willing to work with their customers to reach a satisfactory solution to their particular problems entitled "For the Tweakers." It states that rather than take the close-minded position that this customer is wrong, they would prefer to offer their assistance. They say at the customer's request Legacy will exchange or modify the drivers, or employ passive resonance trap circuits that can attenuate certain frequencies. They also offer their Steradian Environmental Processor, which connects to either the tape monitor of the preamp, or can be inserted between the amp and preamp. This component further tames aberrant frequencies due to room interaction. Again, I don't think there would be any benefit to using this device in my room, although KWN has stated in his review that it made an improvement in his system, with no detectable loss of transparency with the Steradian engaged.

The explanations of the effects of the toggle switches on the sound of the speakers were part of an extremely complete owner's manual (or the Listener's Guide, as Legacy titles it). Sections on Legacy design philosophy, specifications, speaker placement, a lengthy discussion on speaker cables, amplifiers, and even a more lengthy section on bi-amplification and bi-wiring. An entire page is dedicated to power, titled "How Much PEAK Power Do We Really Need?" and "The Ear Itself." Whew!

Listening: This is where I'm really tempted to plagiarize KWN's article. As I said in my introduction to this review, the sonic character of the Legacy Classics seemed to match almost word for word his review of the Legacy Focus. However, the sound of these speakers caught me by surprise. I wasn't expecting them to be this good! They were superior not only to my Snells, but ANY speaker I've heard ANYWHERE near their price range.

KWN said he was expecting to be bowled over by the bass of the Legacies because the Focus has three 12" woofers per speaker. This was to be expected, and it was



**The Legacy Classic**



nice that instead he became pleasantly surprised that he was instead enticed by their transparent midrange. But in regards to the Classics, it didn't seem like the difference in my system would be that great - the two 10" woofers in the Classics versus the two 8" woofers in my Snells. So, I wasn't expecting that the Classics would have that much better bass than the Snells. Boy, was I wrong.

I have never, I repeat never, experienced this class of bass in my listening room. I have had bass this low in my listening room before (Legacy claims the Classic's bass response goes down to 22 Hz), but never combined with this quality. It was extremely pitch stable, tight, full, and natural. It was also appropriately balanced - it didn't distract from the other frequencies contained in the music program.

It wasn't only because of this bass superiority, but because they were better than the Snells in every other area I think it is unfair to continue comparing them to the Legacies. As good as the Snells are (and I still think they are fine speakers), they are just not in the same league.

The ease with which the Classics reproduced any bass information that I threw at them was very, very impressive. During one listening session I would pump some ridiculously deep and inflated electronic bass from the Excursions in Ambiance 4 sampler on Astrelwerks Records that was so deep and powerful that it could loosen the fillings in one's teeth. Then I would switch to the classic version of L'Orchestra de la Suisse Romande playing Stravinsky's Rite of Spring led by Ernest Ansermet, an orchestral disc with a generous sprinkling of bass drum whacks that rattled the window frames in my listening room. And in both cases cited above, no matter how prominent the bass, it would never overpower the other frequencies contained in the recorded material. But don't let these examples lead you to think that the Legacies can only reproduce bass at high volumes. If I put on an album featuring the talent of an acoustic bassist such as Ron Carter or Paul Chambers, the bass was so natural as to have a "woody" tone not only added to the mids and highs but I could sense it in the low frequencies as well. No subtleties in the playing were lost.

The Legacies have midrange qualities I previously thought impossible via dynamic speakers, not only because of their transparency, but because this transparency led to a naturalness that was extraordinary. I expect at this price range to be occasionally drawn to a piece of music because an instrument or two will jump out of the mix and sound more authentic than the others. Yet, the Classics sounded realistic throughout all the instruments in an ensemble.

The soundstage, too, was extremely convincing. This further added to the separation of instruments that was able to sort out the instruments in the most complex of recordings. They were laid out before me - and whether it be a jazz combo, rock band, or an orchestra or chamber group, I was drawn into the music. I would put on CD after CD, LP

after LP, and whether the material was familiar or new, because of the midrange transparency and palpable soundstage I was able to hear every nuance of the music. The sound was never etched, but focused and natural. I started to compare these speakers not to my Snells, but to speakers in some of my audiophile friends' systems that cost thousands more than the Classics.

On the fantastic album by Cassandra Wilson, Blue Moon Daughter, her voice was centered between the two speakers with smooth, uncolored effortlessness. I could close my eyes and picture her there in my listening room, accompanied by the unobnoxious instrumentation that makes up her backing band.

The treble from the Classics was also equal or superior to that from any speaker I have not only reviewed, but ever heard in or anywhere near their price range. It was a natural treble that rather than calling attention to itself, called attention to the music. I keep wanting to use the terms "appropriate" and "natural," and for fear of over-using these terms have resorted to other phrases, but in reality that's what I got with the Legacies. These frequencies judged on their own were admirable, but what was even more impressive was how the speakers managed to integrate them all into a seamless whole.

As I write this I'm at a loss for words to further describe the Classics' sound. Yes, they are tonally correct, they sound like the real thing, and they can handle every genre of music I played through them. But for fear of repeating myself - "the (insert frequency range or tonal quality here) was natural and didn't call attention to itself" - I think I should stop here. It's almost as if I were trying to describe the sound of an instrument or of a human voice to someone who's never heard one before. How does one describe the sound of a symphony orchestra? How does one describe the sound of a rock band bashing it out at full tilt? Although some have described the sound of John Coltrane on his album Giant Steps as "sheets of sound," does that REALLY describe the sound of his sax, not to mention the rest of his band? I don't think so.

The only way I can truly and accurately describe the Classics is with live music as a reference. Have you ever heard

the sound of an orchestra, chamber ensemble, or recital from the 10th row? Or have heard the sound of a live, un-mixed jazz combo?

Or heard your friend's rock band in rehearsal, or gone to the studio to hear their master tape on the deck it was recorded on? If the answer is yes to any of these, then you will be able to imagine the sound of the Legacy Classics.

I'm not saying that their sound is indistinguishable from the real thing. It's not. But these speakers render so many important elements of the sound of the actual performance that I previously thought only possible with speakers costing thousands of dollars more.

I have yet to hear the "perfect" speaker. But with the Legacy Classics, I feel as if they coax every bit from the recording and the source components possible, and then transform the signal into a realistic representation of the recorded event. As I switched from one record to another, one CD to another, and swapped components upstream, I never felt I was missing anything that either the recordings or components had to offer.

Unconditionally, unhesitatingly, and with my utmost confidence and sincerity - recommended. - TL

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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
N.E.A.R. (Continued)	AEL-1.2A	Outdoor, Sealed		5 1/4			1/2	Dome	65-20 ±3	89	5k	4/4	8 x 8 x 8	Poly.	PVC	8	358.00 Pair	
	AEL-1.4A	Outdoor, Vented		5 1/4			1 1/8	Cone	48-26 ±3	89	3k	6/5	8 x 13 x 7	Poly.	PVC	9	458.00 Pair	
	AEL-1.5A	Outdoor, Vented		6 1/2			1 1/8	Cone	48-20 ±3	89	3k	8/6	8 x 8 x 14	Poly.	PVC	14	598.00 Pair	
	AEL-1.6A	Outdoor, Sealed		6 1/2			1 1/8	Cone	48-20 ±3	89	3k	8/6	8 x 15 x 7	Poly.	PVC	10	598.00 Pair	
	AEL-2.0C	Outdoor, Vented		8 1/4			1 1/8	Cone	40-26 ±3	91	3k	8/6	13 x 20 x 12	Poly. Fiberglass	PVC	30	1198.00 Pair	
NEAT	Critique	Bass Ref.	No	6 1/2			1	Dome	86	3.5k	8/6	13 x 9 x 9	Opt.		15	900.00 Pair		
	Mystique	Bass Ref.	No	6 1/2			1	Ome	86	3.5k	8/6	33 x 8 x 7	Opt.		22	1300.00 Pair		
	Petite II	Bass Ref.	No	6 1/2			2	Ribbon	87	6k	8/6	12 x 8 x 7	Opt.		12	1650.00 Pair		
	Gravitas	Bass Ref. Isobaric Sub.	No	(2)6 1/2					87	80	8/4.7	28 x 9 x 16	Opt.		55	2575.00 Pair		
NELSON-REEO	Lord Tannel	Dual Concentric; Tuned Ports		12			1 1/4	Dome	34-21 ±3	96	1.2k		56 x 16 x 12	Opt., Wood	Blk. Knit	100	5800.00 Pair	
	8-04/CM	Slot-Loaded	(2)8	3			1	Ome	32-20 ±2	93	320,3.5k	8/6	47 x 12 x 15	Opt.	Opt.	100	5400.00 Pair	
	6-02/TC	Ported	6				1	Ome	40-20 ±3	90	3.5k	8/7	43 x 9 x 9	Opt.	Opt.	60	1190.00 Pair	
	5-02/CM	Inf. Baf.	5 1/4				1	Dome	70-20 ±3	90	3.5k	8/7	12 x 8 x 8	Opt.	Opt.	12	750.00 Pair	
	1201	Inf. Baf. Sub.	12						32-125 Hz ±3	90	6/4	18 x 18 x 18	Opt.	Opt.	40	750.00 Each		
	1204/P	Inf. Baf. Sub. Ported	(4)12				1	Ome	16-62 Hz ±3	93	62	2/2	39 x 18 x 18	Opt., Wood	Opt.	100	1800.00 Each	
1002 Signature	Ported	10						32-20 ±2	92	2.2k	8/7	42 x 13 x 15	Opt., Wood	Opt.	85	2850.00 Pair; Kit, 2050.00		
603	Ported	(2)6 1/2				1	Ome	40-20 ±3	92	2.8k	8/7	43 x 9 x 9	Opt., Wood	Opt.	65	1350.00 Pair; Kit, 950.00		
802	Ported	8				1	Ome	38-20 ±3	89	2.8k	8/7	39 x 12 x 15	Opt., Wood	Opt.	70	1850.00 Pair; Kit, 1250.00		
NEMO TECH-NOLOGY	Octant	Electrodynamic Panel	No	(3)6 3/8	6 1/4		Cone	1	Dome	50-22 ±3	94	120,12k	4/4	59 x 17 x 4	Opt., Wood	Blk. Knit	93	7500.00 Pair
NESTOROVIC LABORATORIES	Type 5AS Mk IV	Nestorovic		10,8	4		Dome	3 1/2	Planar	28-40	91	1k,7k	8/5	36 x 15 x 15	Opt., Wood	Blk. Knit	85	4500.00 Pair
	Type 5AS Mk IV Signature	Nestorovic		10,8	4		Dome	3 1/2	Planar	28-40	91	1k,7k	8/5	36 x 15 x 15	Opt., Wood	Blk. Knit	85	7000.00 Pair
	Type 5AS Mk IV Reference	Nestorovic		10,8	4		Ome	3 1/2	Planar	28-40	91	1k,7k	8/5	36 x 15 x 15	Opt., Wood	Blk. Knit	85	8500.00 Pair
	Polyhedron (for Type 5)	Sat.					3 1/2	Planar	3k-40k	91	3.5k	8/8	9 x 8 x 6	Opt., Wood		9	2000.00 Pair	
	Type 4A Mk III Reference	Sat.		8	4		Ome	3 1/2	Planar	60-40 +1,-3	91	200,1k,7k	8/6	22 x 12 x 12	Opt., Wood	Blk. Knit	42	7000.00 Pair
	Polyhedron (for Type 4)	Sat.					3 1/2	Planar	3k-40k	91	3.5k	8/8	8 x 8 x 6	Opt., Wood		9	2000.00 Pair	
	Type 8 Mk II Reference	Nestorovic Sub.	(2)12						18-250 Hz +1,-3	91	200	8/5	22 x 26 x 26	Opt., Wood	Blk. Knit	135	6000.00 Pair	
	System 12A	2 Type 4A Sats. & 2 Type 8 Subs.	(4)12, (2)8	(2)14			Omes	(2)3 1/2	Planars	18-40 +1,-3	91	200,1k,7k	8/5	Four Pieces	Opt., Wood	Blk. Knit	354	13,000 Sys.
Mk III Reference	4 Type 4A Sats. & 2 Type 8 Subs.	(4)12, (4)8	(4)4			Omes	(4)3 1/2	Planars	18-40 +1,-3	91	200,1k,7k	8/5	Six Pieces	Opt., Wood	Blk. Knit	538	20,000 Sys.	
NEWFORM RESEARCH	R530	In-Wall	Yes	5			30x3/4	Ribbon	80-20 ±3	88	1.2k	8/5	8 x 38	Blk. Knit		34	890.00 Pair	
	R55	In-Wall	Yes	5			5x3/4	Ribbon	80-20 ±3	88	1.4k	8/5	8 x 16	Blk. Knit		18	440.00 Pair	
	R645	Ported	Yes	(2)6			45x3/4	Ribbon	32-20 ±3	93	1.2k	8/5	73 x 10 x 14	Blk. Gloss		86	2376.00 Pair	
	R630	Ported	No	6			30x3/4	Ribbon	38-20 ±3	88	1.2k	8/7	58 x 10 x 14	Blk. Oak		70	1540.00 Pair	
	R5-1	Inf. Baf.	Yes	5			5x3/4	Ribbon	80-35 ±3	88	1.4k	8/6	15 x 6 x 10	Blk. Knit		23	895.00 Pair	
	R5-1G	Inf. Baf.	Yes	5			5x3/4	Ribbon	80-35 ±3	92	1.4k	8/6	15 x 6 x 10	Granite		28	1795.00 Pair	
	R5-2	Inf. Baf.	No	(2)5			8x3/4	Ribbon	65-20 ±3	84	1.2k	8/8	23 x 9 x 11	Simulated Blk. Oak		28	995.00 Pair	
	R8-1	Ported	No	8			15x3/4	Ribbon	36-20 ±3	87	1.2k	8/6	46 x 11 x 15	Blk. Knit		55	1695.00 Pair	
	R8-1-30	Ported	No	8			30x3/4	Ribbon	36-20 ±3	88	1.1k	8/6	61 x 11 x 15	Blk. Knit		70	2095.00 Pair	
	Standing Module 15	Inf. Baf.	No	5			15x3/4	Ribbon	80-20 ±3	87	1.2k	8/5	41 x 6 x 9	Blk. Knit		29	1595.00 Pair	
	Standing Module 30	Inf. Baf.	No	5			30x3/4	Ribbon	80-20 ±3	88	1.1k	8/6	57 x 6 x 9	Opt., Ven.		42	1995.00 Pair	
	Sub 1	Ported Sub.	No	8					33-150 Hz ±3	89		8/5	21 x 18 x 12	Granite		65	595.00 Each	
	Sub 10	Powered, Ported Sub.	No	10					22-120 Hz ±2	88	60-120		26 x 18 x 14	Simulated Blk. Oak		64	1295.00 Each	
	No Holds Barred	Custom	No	(2)5			(2)30x3/4	Ribbons	33-20 ±3	92	1.1k	6/4	Three Pieces	Blk. Knit		190	7995.00 Sys.	
	NHB Essential		No	(2)5			(2)30x3/4	Ribbons	33-20 ±3	92	1.1k	6/4	Two Pieces	Granite		115	4395.00 Sys.	
	R5	Monopole	No				5x3/4	Ribbon	1.5k-35k ±3	88	8/6	8/6	7 x 5 x 3	Blk. Epoxy		11	145.00 Each	
	R8	Monopole	No				8x3/4	Ribbon	1.2k-20k ±2	83	8/11	8/11	8 x 3 x 2	Blk. Epoxy		7	140.00 Each	
	R15	Monopole	No				15x3/4	Ribbon	1k-20k ±3	87	8/6	8/6	15 x 3 x 2	Blk. Epoxy		14	230.00 Each	
R30	Monopole	No				30x3/4	Ribbon	1k-20k ±3	88	8/7	8/7	30 x 3 x 2	Blk. Epoxy		25	370.00 Each		
R5 Neo	Monopole	No				5x3/4	Ribbon	1.5k-35k ±3	93	8/6	8/6	7 x 5 x 3	Blk. Epoxy		11	335.00 Each		
R6-1	Monopole	Yes	6 1/2			5x3/4	Ribbon	58-35 ±3	88	1.4k	8/6	16 x 8 x 11	Blk. Knit		32	1095.00 Pair		
R6-1T	Monopole	Yes	6 1/2			5x3/4	Ribbon	44-35 ±3	88	1.4k	8/6	29 x 8 x 11	Oak Ven.		38	1245.00 Pair		
NEW WAVE BY NHT	Music System	Sats. & Sub.; Ac. Sus.	Yes	8	3 1/2		Cone	3/4	Dome	45-20 ±3	88	Var. & 4.5k	8/5.4	Three Pieces	Opt.	Opt.	25	530.00 Sys.
	Home Theater System	5 Sats. & Sub.; Ac. Sus.	Yes	8	3 1/2		Cone	3/4	Dome	45-20 ±3	88	Var. & 4.5k	8/5.4	Six Pieces	Opt.	Opt.	34	800.00 Sys.
NHT	1.5	Ac. Sus.	No	6 1/2			1	Dome	53-25 ±3	85	3.3k	8/6.2	17 x 7 x 10	Opt.	Opt.	16	From 600.00 Pair	
	2.5i	Ac. Sus./Vented	No	8	6 1/2		1	Ome	29-25 ±3	86	100,3.3k	6/3.6	38 x 7 x 16	Opt.	Opt.	53	From 1300.00 Pair	
	2.9	Ac. Sus.	No	10	6 1/2,4		1	Dome					40 x 7 x 22	Opt.	Opt.			
	3.3	Ac. Sus.	No	12	6 1/2,4		1	Ome	23-26 ±3	87	100,320,3.5k	6/4.5	42 x 7 x 31	Opt.	Opt.	123	From 4300.00 Pair	
(Continued)	AudioCenter-1 HDP-1	Ctr. Ch.; Ac. Sus. Dipole Surround; Ac. Sus.	Yes	(2)5 1/4			1	Dome	75-21 ±3	87	2.9k	8/6	7 x 19 x 8	Blk. Gloss	Blk. Knit	17	450.00 Each	
			No	4 1/2			(2)3	Cones	105-10 ±3	86	400	8/4.4	9 x 6 x 6	Opt.	Opt.	8	380.00 Pair	



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
NHT (Continued)	HDP-2	Dipole Surround, Ac. Sus.	No	6½	(2)4½	Cones	(2)1	Domes					9 x 18 x 7	Opt.	Opt.		
	1.1iw	In-Wall Ac. Sus.	No	6½				Dome	55-20 ±3	88	2.8k	8/5.5	12 x 9	Matte Wht.	Wht. Metal	4	350.00 Pair
	SuperZero	Ac. Sus.	Yes	4½				Dome	85-25 ±3	86	2.2k	8/7.5	9 x 6 x 5	Opt.	Opt.	6	125.00 Each
	SuperZero Xu	Ac. Sus.; Molded Ac. Sus.	Yes	4½				Dome	85-25 ±3	86	2.2k	8/7.5	9 x 6 x 5	Opt.	Opt.	5	From
	SuperOne	Ac. Sus.	Yes	6½				Dome	57-25 ±3	86	2.2k	8/6	12 x 7 x 9	Opt.	Opt.	10	175.00 Each
	SuperOne Xu	Ac. Sus.; Molded Ac. Sus./Vented	Yes	6½	(2)4½	Cones	1	Dome	57-25 ±3	86	2.2k	8/6	12 x 7 x 8	Opt.	Opt.	9	
	VT-1.2	Ac. Sus./Vented	Yes	8	(2)4½	Cones	1	Dome	33-21 ±3	86	120,2.2k	8/5	38 x 6 x 16	Blk. Gloss	Blk. Knit	42	1100.00 Pair
	VS-1.2	Ac. Sus. Sat.	Yes	8	(2)4½	Cones	1	Dome	80-21 ±3	86	2.2k	8/6.3	6 x 19 x 8	Opt.	Opt.	14	300.00 Each
	VT-2	Ac. Sus./Vented	Yes	10	(2)5¼	Cones	1	Dome	25-21 ±3	88	125,2.3k, 5.5k	6/4	48 x 8 x 18	Blk. Gloss	Blk. Knit	75	1800.00 Pair
	VS-2i	Ac. Sus. Sat.	Yes	(2)5¼			1	Dome	75-21 ±3	88	2.3k	8/6	8 x 19 x 8	Opt.	Opt.	17	450.00 Each
	SW1P	Powered, Vented Sub.	No	8					35-200 Hz ±3		Var.		12 x 16 x 12	Opt.	Opt.	17	500.00 Each
	SW2Pi	Powered, Vented Sub.	No	10					27-150 Hz ±3		Var.		16 x 16 x 16	Opt.	Opt.	27	800.00 Each
SW3P	Powered, Vented Sub.	No	12					23-150 Hz ±3		Var.		19 x 19 x 19	Blk. Gloss	Blk. Knit	48	1350.00 Each	
SW1S	Ac. Sus. Sub. Vented Slave Sub.	No	8					35-500 Hz ±3	87		8/7.2	12 x 16 x 12	Opt.	Opt.	23	245.00 Each	
SW2Si	Vented Slave Sub.	No	10					27-500 Hz ±3	89			16 x 16 x 16	Opt.	Opt.	39	360.00 Each	
SW3S	Ac. Sus. Slave Sub.	No	12					23-250 Hz ±3	87			19 x 19 x 19	Blk. Gloss	Blk. Knit	72	600.00 Each	
NILES AUDIO	CM 650MP	Ceiling Mount	No	6½			¾	Dome	50-20 ±3	90	8/4	9 Dia.	Wht.	Wht. Alum.	5	299.00 Pair	
	CM 800MP	Ceiling Mount	No	8			¾	Dome	40-20 ±3	90	8/4	11 Dia.	Wht.	Wht. Alum.	6	379.00 Pair	
	CM 650HD	Ceiling Mount	No	6½			1	Dome	40-21 ±3	89	8/4	9 Dia.	Wht.	Wht. Alum.	6	399.00 Pair	
	CM 800HD	Ceiling Mount	No	8			1	Dome	35-21 ±3	89	8/4	11 Dia.	Wht.	Wht. Alum.	7	479.00 Pair	
	CM 800SW	Ceiling Mount, Sub.	No	8					35-140 Hz	89	8/11	11 Dia.	Wht.	Wht. Alum.	8	229.00 Each	
	CM 75	Ceiling Mount	No	5¼			¾	Dome	63-20 ±4	91	3.5k	8/7	7 x 7	Wht.	Wht. Alum.	2	149.00 Pair
	CM 76	Ceiling Mount	No	5¼			¾	Dome	63-20 ±4	91	3.5k	8/7	8 Dia.	Wht.	Wht. Alum.	3	149.00 Pair
	CM 77	Ceiling Mount	No	5¼			¾	Dome	63-20 ±4	91	3.5k	8/7	8 Dia.	Wht.	Wht. Alum.	3	149.00 Pair
	CM 650BG	Ceiling Mount	No	6½			¾	Dome	55-20 ±3	91	3.5k	8/7	9 Dia.	Wht.	Wht. Alum.	4	199.00 Pair
	HD 800	In-Wall	No	8			1	Dome	35-21 ±3	88	6/6	10 x 14	Wht.	Opt.	8	529.00 Pair	
	HD CTR	In-Wall; Ctr. Ch.	Yes	(2)5¼			1	Dome	45-21 ±3	89	8/8	8 x 14	Wht.	Opt.		299.00 Each	
	HD LRS	In-Wall	No	(2)5¼			1	Dome	45-21 ±3	89	8/8	8 x 14	Wht.	Opt.		279.00 Each	
	OS-10	Indoor/Outdoor	No	5¼			1	Dome	65-21 ±3	89	3.5k	8/6	11 x 8 x 8	Opt.	Opt., Alum.	7	399.00 Pair
	OS-20	Indoor/Outdoor	No	6½			1	Dome	65-21 ±3	91	3.5k	8/6	9 x 7 x 7	Opt.	Opt., Alum.	7	499.00 Pair
	OS-1	Indoor/Outdoor	No	5	5		¾	Dome	110-12 ±5	89	4/4	9 x 7 x 7	Opt.	Opt., Alum.	4	229.00 Pair	
	OS-5	Indoor/Outdoor	No	5			¾	Dome	110-20 ±3	89	3.5k	4/4	9 x 7 x 7	Opt.	Opt., Alum.	5	299.00 Pair
	BG 525	In-Wall	No	5¼	5¼				100-12 ±5	89	8/8	7 x 10	Wht.	Opt.	4	149.00 Pair	
	MP 525	In-Wall	No	5¼			¾	Dome	65-20 ±3	89	8/8	7 x 10	Wht.	Opt.	4	229.00 Pair	
MP 650	In-Wall	No	6½			¾	Dome	55-20 ±3	89	8/8	9 x 12	Wht.	Opt.	5	279.00 Pair		
HD 525	In-Wall	No	5¼			1	Dome	55-21 ±3	88	6/6	7 x 10	Wht.	Opt.	5	329.00 Pair		
HD 650	In-Wall	No	6½			1	Dome	45-21 ±3	88	6/6	9 x 12	Wht.	Opt.	6	399.00 Pair		
NORTH CREEK MUSIC SYSTEMS	Passion	Vented	No	7		1½	Dome	47-30 ±3	86	1.5k	8/5	38 x 10 x 12	Opt., Wood	Blk. Knit	75	3600.00 Pair	
	Rhythm	Vented	No	(2)7		1½	Dome	45-30 ±3	90	1.5k	6/3	43 x 10 x 12	Opt., Wood	Blk. Knit	95	5100.00 Pair	
	Soul	Vented	No	10½	5	Cone	1½	Dome	25-30 ±3	90	225,2.2k	6/3	41 x 12 x 16	Opt., Wood	Blk. Knit	125	7600.00 Pair
NOVA	Evolution	Ported	No	(2)10	(2)7	Cones	1	Dome	18-25 ±3	88	4/3	70 x 16 x 35	Opt., Wood	Blk.	600	26,900 Pair	
	Rendition	Ported	No	(2)8	(2)7	Cones	1	Dome	25-25 ±3	88	4/3	61 x 12 x 20	Opt., Wood	Blk.	200	18,900 Pair	
	Applause	Ported	No	(2)7			1	Dome	30-25 ±3	89	4/3,2	48 x 9 x 14	Opt., Wood	Blk.	80	5990.00 Pair	
	Bravo	Ported	No	7			1	Dome	33-25 ±3	87	8/6	42 x 9 x 9	Opt., Wood	Blk.	58	3990.00 Pair	
	Ovation	Ported	No	7		Cone	1	Dome	47-20 ±3	87	8/6	16 x 10 x 11	Opt., Wood	Blk.	26	1390.00 Pair	
NSM LOUD-SPEAKERS	5	Ac. Sus.		4½			1	Dome	65-20	88	8/6	10 x 6 x 7	Opt.	Opt.	7	495.00 Pair	
	10	Ac. Sus.		4½			1	Dome	60-20	82	8/6	10 x 6 x 7	Opt.	Opt.	9	695.00 Pair	
	10S	Ac. Sus.		4½			1	Dome	65-20 ±3	82	16/6	10 x 6 x 6	Blk.	Blk. Knit	9	795.00 Pair	
	15	Ac. Sus.		6½			1	Dome	60-20	88	8/6	14 x 8 x 9	Blk.	Blk.	16	595.00 Pair	
	25	Ac. Sus.		6½			1	Dome	45-20	82	8/6	22 x 8 x 9	Opt.	Blk.	30	995.00 Pair	
	50	Ac. Sus.		(2)6½			1	Dome	40-20	86	8/6	36 x 8 x 9	Opt.	Blk.	48	1495.00 Pair	
	200	Ac. Sus.		15	(2)8	Cones	1	Dome	28-20	91	4/3	51 x 15 x 18	Opt.	Blk.	135	4995.00 Pair	
	CTR1	Ctr. Ch.	Yes	(2)6½			1	Dome	60-20	93	8/3,2	8 x 24 x 12	Blk.	Blk.	28	625.00 Each	
	5C	Ctr. Ch.	Yes	4½			1	Dome	65-20	88	8/6	6 x 10 x 7	Opt.	Opt.	7	295.00 Each	
	15C	Ctr. Ch.	Yes	6½			1	Dome	60-20	88	8/6	8 x 14 x 9	Blk.	Blk.	17	395.00 Each	
	SWP1	Sub.							35-100 Hz	90	4/3,3	30 x 10 x 10	Blk.	Blk.	36	495.00 Each	
	15EXP	Powered Bandpass Sub.	No	10					28-150 Hz	90			12 x 18 x 14	Blk.	None	45	695.00 Each
	Segue	Ac. Sus.		6½			1	Dome	58-20	90	8/6,5	10 x 14 x 8	Red & Blk.	Blk.	15	1395.00 Pair	
	20M	Ac. Sus.		6½			1	Dome	50-20	86	8/6	9 x 10 x 14	Wal.	Blk.	25	1995.00 Pair	
	30M	Vented		6½			1	Dome	35-20	88	8/6,5	42 x 9 x 9	Opt.	Blk.	50	2695.00 Pair	
60M	Ac. Sus.		6½	6½	Cone	1	Dome	38-20	86	8/6	9 x 10 x 42	Wal.	Blk.	63	6495.00 Pair		
ODEON	Single Six		No	5¼			1	Dome/Horn	50-20 ±3	88	2.5k	39 x 6 x 9	Birch		35	2900.00 Pair	
	Double Six		No	(2)5¼			1	Dome/Horn	50-20 ±3	91	100	4/4	41 x 7 x 11	Birch		45	3600.00 Pair
	Double Seven		No	(2)6½	4	Cone/Horn	1	Dome/Horn	40-20 ±3	94	580,2.8k	4/4	51 x 9 x 16	Birch		80	9800.00 Pair
	No. 17		No	6½			1	Dome/Horn	50-20 ±3	89	2.6k	8/8	15 x 8 x 11	Birch		30	2600.00 Pair
	No. 25		No	10			1	Dome/Horn	38-19 ±3	95	1.4k	8/8	47 x 13 x 15	Birch	Blk. Knit	95	11,500 Pair
	No. 30 Ultimate		No	12	5¼	Cone/Horn	1	Compr. Horn	32-19 ±3	95.5	320,2.2k	8/8	51 x 18 x 8	Birch		170	27,500 Pair
	No. 33 Ultimate		No	13	6½	Cone/Horn	1	Compr. Horn	29-19 ±3	96	260,2k	8/8	51 x 24 x 28	Birch		220	38,400 Pair
	The Load	Horn	No	8			1	Compr. Horn	45-19 ±3	97	2.2k	8/8	51 x 13 x 22	Birch		140	15,800 Pair





*Evolution: A gradual process in which something changes ...*



*...into a different and more complex form.*



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
OEM SYSTEMS	NeC-5.25	In-Wall; Inf. Baf.	5/4			1	Dome	70-20	90	5k	8/	7 x 9 x 3	Wht.	Wht.	4	299.95 Pair	
	NeC-5.50	In-Wall; Inf. Baf.	5 1/2			1	Dome	60-21	90	5k	8/	8 x 11 x 3	Wht.	Wht.	5	329.95 Pair	
	NeC-6.50	In-Wall; Inf. Baf.	6 1/2			1	Dome	50-21	90	5k	8/	9 x 12 x 3	Wht.	Wht.	6	399.95 Pair	
	NeC-820	In-Wall; Inf. Baf.	8			1	Dome	40-21	90	5k	8/	11 x 15 x 3	Wht.	Wht.	10	449.95 Pair	
	NeC-830	In-Wall; Inf. Baf.	8			1	Dome	40-21	90	750.5k	8/	11 x 15 x 3	Wht.	Wht.	10	499.95 Pair	
	C-8SW	In-Wall; Inf. Baf.	8			1	Dome	30-120 Hz	90	120	8/	11 x 15 x 3	Wht.	Wht.	11	299.95 Each	
	SC-Nec520	Inf. Baf. Sub. In-Wall/In-Ceiling; Inf. Baf.	5 1/4			1	Dome	60-21	90	5k	8/	8 Dia. x 2	Wht.	Wht.	3	299.95 Pair	
	SL-5000	In-Ceiling; Ac. Sus.	5			1	Dome	50-20	86	3k	8/	5 Dia. x 5	Wht.	Wht.	3	99.95 Each	
	SE-320	Bass Ref.	3 1/2			1	Dome	80-20	89	5k	8/	7 x 5 x 4	Opt.	Opt.	4	199.95 Pair	
	SE-420	Bass Ref.	4			1	Dome	60-20	88	3.5k	8/	8 x 6 x 5	Opt.	Opt.	5	299.95 Pair	
SE-520	Bass Ref.	5			1	Dome	65-20	87	3k	8/	9 x 6 x 5	Opt.	Opt.	6	269.95 Pair		
SE-620	Bass Ref.	6 1/2			1	Dome	40-20	88	3.5k	8/	11 x 7 x 6	Opt.	Opt.	8	349.95 Pair		
OHM ACOUSTICS	P1		No	6				37-20	89		6/	8 x 24 x 12	Blk.	Blk. Knit	29	795.00 Pair	
	P2		No	6				60-20	89		8/	8 x 17 x 7	Blk.	Blk. Knit	16	495.00 Pair	
	SAT1	Surround Ch. Sat.		5 1/4		5 1/2		100-12	90		6/	7 x 7 x 6	Blk.	Blk. Knit	5	220.00 Pair	
	SB1/SAT1	Surround Ch. Sats. & Sub.						42-12	90		6/	Three Pieces	Blk.	Metal	37	595.00 Sys.	
	SB1	Sub.		10				42-80 Hz	89		6/	9 x 23 x 15	Blk.		25	380.00 Each	
	SB2	Sub.		12				35-80 Hz	89		6/	17 x 23 x 15	Blk.		45	545.00 Each	
	SB4	Sub.	(2)12					29-80 Hz	89		6/	18 x 31 x 20	Blk.		85	845.00 Each	
	SB1/DI-SAT	Dipole Surround Sats. & Sub.	10			(2)5 1/2		42-18	88	80	6/6	Three Pieces	Opt.	Blk. Knit	43	795.00 Sys.	
	SB2/DI-SAT	Dipole Surround Sats. & Sub.	12			(2)5 1/2		35-18	88	80	6/6	Three Pieces	Opt.	Knit	60	995.00 Sys.	
	DI-SAT	Dipole Surround Sat. Walsh			(2)5 1/2			80-18	88	80	8/8		Opt.	Knit	7	449.00 Pair	
Walsh SAT	Powered & Vented		12	12	Walsh	1	Dome	80-20	88	80	6/6	11 x 12 x 20	Opt.	Knit	25	595.00 Each	
Walsh 2000	Walsh						16-25	87			59 x 22 x 13	Wood	Knit	180	15,000 Pair		
Walsh 100 MkII	Walsh	No					29-12	87		6/	35 x 13 x 11	Opt.	Knit	55	1395.00 Pair		
Walsh 200 MkII	Walsh						29-20	87		6/	14 x 38 x 10	Opt.	Blk. Knit	55	1395.00 Pair		
Walsh 300 MkII	Walsh						30-22	89		6/	42 x 12 x 16	Opt.	Knit	75	2595.00 Pair		
							Dome	25-25	88		4/	48 x 14 x 18	Opt.	Knit	95	3995.00 Pair	
DLS AUDIO TECHNOLOGY	Lotus 1.0	Vented	No	(2)11	(2)7	Cones	1	Dome	25-25 ±3	93	120,2.25k	4/	51 x 19 x 13	Opt.	Blk. Knit	127	6299.00 Pair
	Lotus 2.0	Vented	No	(2)9			1	Dome	30-22 ±3	92	2k	4/	46 x 16 x 10	Opt.	Blk. Knit	79	4399.00 Pair
	Lotus 3.0	Vented	No	9			1	Dome	35-22 ±3	90	2k	8/	38 x 13 x 10	Opt.	Blk. Knit	61	3299.00 Pair
	Lotus 4.0	Vented	No	9			1	Dome	40-22 ±3	90	2k	8/	22 x 13 x 10	Opt.	Blk. Knit	37	2899.00 Pair
	Lotus 5.0	Vented	No	(2)7			1	Dome	35-22 ±3	91	2k	4/	44 x 13 x 9	Opt.	Blk. Knit	53	3299.00 Pair
	Lotus 6.0	Vented	No	7			1	Dome	40-22 ±3	89	2k	8/	34 x 13 x 9	Opt.	Blk. Knit	41	2499.00 Pair
	Lotus 7.0	Vented	Yes	7			1	Dome	45-22 ±3	88	2k	8/	14 x 13 x 9	Opt.	Blk. Knit	28	2159.00 Pair
	Lotus 8.0	Vented	Yes	5			1	Dome	55-22 ±3	86	2k	8/	11 x 7 x 7	Opt.	Blk. Knit	12	1299.00 Pair
	Lotus LSB 1.0	Vented Sub.	Yes	11				Dome	25-120 Hz ±3	90	120	8/	14 x 18 x 19	Opt.	Blk. Knit	62	1199.00 Each
	Lotus LC 1.0	Vented	Yes	(2)5			1	Dome	50-22 ±3	90	2k	4/	6 x 12 x 19	Opt.	Blk. Knit	27	899.00 Each
	Emotion 1.0	Vented	No	(2)7	4	Cone	1	Dome	30-25 ±3	90	150,500.2k	4/	39 x 14 x 9	Opt.	Blk. Knit	65	5499.00 Pair
	Emotion 2.0	Vented	No	7	4	Cone	1	Dome	35-22 ±3	89	500.2k	8/	34 x 11 x 9	Opt.	Blk. Knit	47	4198.00 Pair
	Emotion 3.0	Vented	No	7			1	Dome	35-22 ±3	89	2k	8/	34 x 11 x 9	Opt.	Blk. Knit	42	3599.00 Pair
	Emotion 4.0	Vented	No	(2)7	4	Cone	1	Dome	33-25 ±3	90	150,500.2k	4/	39 x 14 x 9	Opt.	Blk. Knit	55	2999.00 Pair
	Emotion 5.0	Vented	No	7	4	Cone	1	Dome	38-25 ±3	89	500.2k	8/	34 x 14 x 9	Opt.	Blk. Knit	53	2399.00 Pair
	Emotion 6.0	Vented	No	7			1	Dome	40-25 ±3	89	2k	8/	34 x 14 x 9	Opt.	Blk. Knit	41	2199.00 Pair
	Emotion 7.0	Vented	Yes	7			1	Dome	42-25 ±3	88	2k	8/	15 x 10 x 9	Opt.	Blk. Knit	22	1799.00 Pair
	Emotion 8.0	Vented	Yes	5			1	Dome	55-25 ±3	90	2k	8/	11 x 7 x 7	Opt.	Blk. Knit	12	1299.00 Pair
	Emotion	Vented Sub.	Yes	11				Dome	25-120 Hz ±3	90	120	8/	14 x 18 x 19	Opt.	Blk. Knit	62	1199.00 Each
	ESB 1.0	Vented	Yes	(2)5			1	Dome	45-25 ±3	90	2k	4/	6 x 12 x 19	Opt.	Blk. Knit	27	899.00 Each
Emotion EC 1.0	Vented	Yes	(2)5			1	Dome	45-25 ±3	90	2k	4/	6 x 12 x 19	Opt.	Blk. Knit	27	899.00 Each	
ONKYO	HTS System 2	THX; Mains, Ctr., Dipole Surrounds & Powered Sub.	Yes	(2)12, (6) 6 1/2, (2)5 1/4	(6)3	Cones	(5)1	Domes	65-20 ±3	75		6/	Six Pieces	Blk. Ash Vinyl	Blk. Knit	190 Sys.	3499.95 Sys.
OPTIMUS	AMX-3	Powered	No	2 1/4					500-12				4 x 2 x 3	Blk.			19.99 Pair
	AMX-5	Powered	No	4					160-10				6 x 6 x 3	Blk.			29.99 Pair
	AMX-10	Powered	No	3 1/2					150-20				7 x 5 x 4	Blk.			39.99 Pair
	AMX-12	Powered	4			2	Cone	40-30					8 x 5 x 5	Metal	Blk. Metal		59.99 Pair
	AMX-17	Surround Effect; Powered	4			1 1/4	Dome	60-18					6 x 10 x 7	Blk.			99.99 Pair
	AMX-18	Powered	Yes	4	3		2		160-12				5 x 4 x 4	Wht.	Wht.		29.99 Pair
	AMX-25	900-MHz Wireless; Powered Bass Ref.	4						50-15					Blk.			249.99 Pair
	CS-3	Ctr. Ch.	(2)4				1	Dome	65-20	87	2.2k	6/	5 x 14 x 9	Blk.	Blk. Cloth	8	99.99 Each
	PRO-CS-5	Ctr. Ch.; Bass Ref.	(2)5				3x3 1/2	Monopole	70-25	87		6/	6 x 18 x 10	Blk.	Blk. Cloth		149.99 Each
	PRO-7AV		4				1	Dome	120-20			8/	7 x 4 x 4	Metal	Metal		69.99 Each
	PRO-77		5				1	Dome	90-20			8/	9 x 6 x 5	Metal	Metal		99.99 Each
	PRO-LX5	Bass Ref.	5				2x4	Lineaum	85-25	88	2k	8/	10 x 6 x 6	Metal	Blk. Cloth		149.99 Each
	PRO-LX8	Ported	8					Dipole	50-25	88		8/	18 x 9 x 13	Blk.			199.99 Each
	PRO-LX10	Ported	7					Dipole	50-25	87		8/	34 x 9 x 12	Blk.			249.99 Each
	PRO SW-10P	Powered, Ported Sub.	10					Dipole	25-175 Hz			8/		Blk. Vinyl	Blk. Cloth		399.99 Each
PRO SW-14	Ported Sub.	12						29-200 Hz	88		8/	15 x 17 x 16	Blk.			149.99 Each	
PRO SW-120	Ported Sub.	12						45-150 Hz	86		8/	16 x 15 x 13	Blk.			199.99 Each	
PRO-X5	Ac. Sus.	3				1	Dome	150-20	87	10k	8/	7 x 4 x 4	Metal	Blk. Cloth		49.99 Each	
PRO-X7	Bass Ref.	4				1	Dome	100-20	87	2.5k	8/	8 x 5 x 5	Metal	Blk. Cloth		79.99 Each	
PRO-X77	Bass Ref.	5				3x3 1/2	Lineaum Monopole	90-25	88	3k	8/	9 x 6 x 6	Metal	Blk. Cloth		129.99 Each	
STS-50	Ac. Sus.	5				2 1/2	Cone	90-20	88	2.5k	8/	11 x 7 x 5	Wal. Vinyl	Brown Cloth		39.99 Each	
STS-65		6 1/2				1	Dome	60-20	89		8/	13 x 8 x 10	Blk. Wood Vinyl			69.99 Each	
(Continued)	STS-100		8	4	Cone	3/8	Dome	75-20	90		8/	17 x 12 x 11	Blk. Vinyl	Cloth		79.99 Each	
	STS-200		10	5		3/4	Dome	35-20	90		8/	23 x 12 x 10	Blk.			99.99 Each	



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CIRCLE NO. 5 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application Design Principle Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
DPTIMUS (Continued)	STS-600	Tuned Port Bass Ref.		6½			¾	Dome	55-20	89		8/	29 x 9 x 11	Blk.		149.99	Each	
	STS-800			8			¾	Dome	45-20	88		8/	34 x 9 x 11	Blk.		199.99	Each	
	STS-1000			12	5		¾	Dome	40-20	90		8/	30 x 14 x 11	Blk.		129.99	Each	
	STS-1500	SWS-250	Sats. & Powered Sub. Bass Ref.		15	6½	4x10	Piezo Horn	22-20	90		8/	36 x 18 x 12	Blk.		249.99	Each	
					5		3						Three Pieces	Wht.		149.99	Sys.	
		XTS-10	Sat. Ac. Sus. Outdoor; Omni In-Wall In-Wall/Ceiling In-Wall	No	3½		2¼	Dome	170-20			8/	9 x 4 x 6	Blk.		79.99	Pair	
		XTS-24			4				100-18	86		8/	9 x 6 x 5	Blk.		29.99	Each	
		XTS-25			4				130-18			8/	7 x 5 x 4	Oiled Wal.		19.99	Each	
		XTS-40			4				150-18	89		8/	5 x 5 x 4	Blk. Vinyl		19.99	Each	
		40-1352			No	6		2		100-18	88		8/	7 x 10	Wht.		49.99	Each
	40-1365			No	5¼		1	Dome	60-20		3k	8/		Wht.		49.99	Each	
	40-1367			No	5¼		1	Cone	60-18			8/		Wht.		39.99	Each	
	40-1368			No	6½		1	Dome	50-20	90		8/		Wht.		69.99	Each	
	40-1425		No	6½		2x2½	Monopole	65-25	89	2.5k	8/	12 x 9 x 4	Wht.		99.99	Each		
ORACLE	Mentor Monitor	Mentor Studio	No	5¾		¾	Dome	45-20 ±3	87	3k	4/2.5	14 x 8 x 12	Blk. Lacq.	Red	20	2100.00	Pair	
	Thalia		No	8	5¾	Cone	¾	Dome	40-20 ±3	87	100.3k	4/2.5	Two Pieces Per Side	Blk. Lacq.	Red	36	4995.00	Sys.
OSBORN	Rhapsody	Bass Ref. Bass Ref.	Yes	7		1¼	Dome	35-18 ±3	93	4k	8/3.5	42 x 11 x 16	Bubinga	Blk.	99	3800.00	Pair	
	Titan		Yes	7		1¼	Inv. Dome	35-19 ±2	89	3.7k	8/4	34 x 10 x 11	Bubinga	Blk.	68	3550.00	Pair	
	Floorstander	Bass Ref.		7		1%	Inv. Dome	40-19 ±2	89	3.7k	5/4	18 x 11 x 10	Opt.	Blk.	56	3000.00	Pair	
	Titan			8	7	Cone	1%	Inv. Dome	25-18 ±3	91	400.3.5k	7/6	43 x 12 x 16	Opt.	Blk.	93	4500.00	Pair
	Eclipse			10	7	Cone	1%	Inv. Dome	25-18 ±3	93	125.3.3k	7/6	46 x 15 x 17	Opt.	Blk.	136	6000.00	Pair
	Epitome			10				Dome		96	60	8/8	30 x 15 x 17	Opt.	Blk.	83	2500.00	Pair
Epitome Bass Boxes	Bass Ref. Sub.		10															
OWI	302	Outdoor Outdoor Outdoor Outdoor Outdoor Surface Surface Surface Surface Surface Sub. In-Wall In-Wall: Coaxial In-Wall In-Wall In-Wall Sub. In-Wall In-Wall/In-Ceiling In-Wall/In-Ceiling In-Wall/In-Ceiling	No	5¼		2	Cone/Dome	90-20	92	3.5k	8/		Opt.	Dpt., Alum.	5	199.00	Pair	
	602		No	5¼		2	Cone/Dome	70-20	95	3.5k	8/		Opt.	Dpt., Alum.	7	439.00	Pair	
	OW1800			5¼		1	Dome	100-22 ±3	106	3.5k	8/	9 x 6 x 7	Alum.	Dpt.	21	399.00	Pair	
	SPV-02			4		2	Dome	90-20	92	6k	8/	24 x 18 x 12	Concrete, Fiberglass		50	440.00	Each	
	SMA-02			4		2	Dome	90-20	92	6k	8/	24 x 18 x 12	Concrete, Fiberglass		50	444.00	Each	
	LPV-03			5¼	2	Dome	½	Dome	60-22	93	6k,9k	8/	25 x 22 x 15	Concrete, Fiberglass		70	560.00	Each
	LMA-03			5¼	2	Dome	½	Dome	60-22	93	6k,9k	8/	25 x 22 x 15	Concrete, Fiberglass		70	560.00	Each
	202			4		2	2		90-20	92	6k	8/3	7 x 5 x 4	Alum.	Opt.	5	169.00	Pair
	203			4	½	2	2		90-22	92	6k,9k	8/3	7 x 5 x 4	Alum.	Opt.	6	189.00	Pair
	502			5¼		2	2		60-19	93	6k	8/3	7 x 10 x 6	Alum.	Opt.	7	319.00	Pair
	503			5¼	1	2	2		60-22	93	6k	8/3	7 x 10 x 6	Alum.	Opt.	7	349.00	Pair
	900			5¼		4	4		40-450 Hz	93	430	8/4	7 x 10 x 6	Alum.	Opt.	7	229.00	Each
	M-4F			5¼		4	4		70-18	90		4/1	4 x 4	Plast.	Wht.	1	65.00	Each
	M-5cx			5¼		½	1	Cone	50-20	94		4/1	6 x 6	Plast.	Wht.	2	89.00	Each
	IW-50			5¼		1	1	Dome	60-20 ±3	87	2.8k	8/	9 x 7 x 3	Plast.	Wht.	1	149.00	Pair
IW-60		6½		1	1	Dome	55-20 ±3	89	2.8k	8/	12 x 9 x 3	Plast.	Wht.	1	199.00	Pair		
IWS-80		8		1	1	Dome	35-180 Hz ±2	88	180	8/	15 x 11 x 4	Plast.	Wht.	1	169.00	Each		
2300		5		2	2	Ribbon	50-20	85		4/1	9 x 9	Plast.	Wht.	3	229.00	Each		
2301							65-20	90		6/2	9 x 9	Plast.	Wht.	3	160.00	Each		
3301				5½			50-20	90		4/1	9 Dia.	Plast.	Wht.	3	217.00	Each		
3302				5½			65-20	91		4/1	9 Dia.	Plast.	Wht.	3	191.00	Each		
PARADIGM	Micro	Vented	Opt.	5		¾	Dome	70-20 ±2.5	88	3k	8/	9 x 6 x 8	Blk. Ash	Blk. Knit	6	75.00	Each	
	Atom	Vented	Opt.	5½		¾	Dome	60-20 ±2	89	3k	8/	11 x 7 x 8	Opt., Lam.	Opt., Knit	9	90.00	Each	
	Titan	Vented		6½		¾	Dome	55-20 ±2	90	3k	8/	13 x 8 x 10	Opt., Lam.	Opt., Knit	13	110.00	Each	
	Phantom	Vented		8		¾	Dome	40-20 ±2	90	2.5k	8/	19 x 10 x 12	Opt., Lam.	Blk. Knit	22	155.00	Each	
	LCR-150	Front Ch.	Yes	(2)5½		¾	Dome	60-20 ±2	91	2.5k	8/	17 x 7 x 11	Opt., Lam.	Blk. Knit	19	179.00	Each	
	CC-50	Ctr. Ch.	Yes	5½		¾	Dome	50-20 ±2	90	3k	8/	6 x 18 x 7	Blk.	Blk. Knit	13	139.00	Each	
	CC-150	Ctr. Ch.	Yes	(2)5½		¾	Dome	46-20 ±2	91	2.5k	8/	6 x 21 x 9	Graphite Blk.	Blk. Knit	17	199.00	Each	
	ADP-100	Surround Ch.		(2)5		(2)¾	Domes	85-20	88	3k	8/	9 x 9 x 6	Opt., Lam.	Opt., Knit	6	165.00	Each	
	ADP-150	Surround Ch.		(2)5½		(2)¾	Domes	65-20	89	3k	8/	11 x 9 x 7	Opt., Lam.	Opt., Knit	8	215.00	Each	
	Mini Monitor	Vented	Opt.	6½		1	Dome	43-20 ±2	89	1.8k	8/	13 x 8 x 11	Opt., Lam.	Blk. Knit	16	170.00	Each	
	Monitor 3	Vented		8		1	Dome	36-20 ±2	89	1.8k	8/	20 x 10 x 12	Opt., Lam.	Blk. Knit	24	200.00	Each	
	Monitor 5	Vented		6½		1	Dome	32-20 ±2	90	1.8k	8/	34 x 8 x 12	Opt., Lam.	Blk. Knit	33	250.00	Each	
	Monitor 7	Vented	Opt.	(2)6½		1	Dome	34-20 ±2	92	1.8k	8/	35 x 8 x 15	Opt., Lam.	Blk. Knit	43	315.00	Each	
	Monitor 9	Vented		(2)8	6½	Cone	1	Dome	32-20 ±2	93	2k	8/	37 x 10 x 15	Opt., Lam.	Blk. Knit	48	375.00	Each
	Monitor 70P	Vented; Powered Woofers	Yes	(2)6½	6½	Cone	1	Dome	23-20 ±2	91	200,2k	8/	39 x 8 x 14	Opt., Lam.	Blk. Knit	55	700.00	Each
	Monitor 90P	Vented; Powered Woofers	Yes	(2)8	6½	Cone	1	Dome	16-20 ±2	92	180,2k	8/	44 x 9 x 12	Opt., Lam.	Blk. Knit	70	825.00	Each
	LCR-350	Front Ch.	Yes	(2)6½		1	Dome	45-20 ±2	90	1.8k	8/	21 x 8 x 11	Blk.	Blk. Knit	25	299.00	Each	
	CC-350	Ctr. Ch.	Yes	(2)6½		1	Dome	50-20 ±2	90	1.8k	8/	8 x 23 x 10	Blk. Ash	Blk. Knit	25	329.00	Each	
ADP-350	Surround Ch.		(2)6½		(2)1	Domes	55-20	90	1.8k	8/	13 x 11 x 8	Opt., Lam.	Opt., Knit	26	350.00	Each		
SB-90	Bandpass Sub.		8				39-100 Hz ±2	94	100	8/	16 x 13 x 17	Blk. Oak	None	31	189.00	Each		
SB-110	Bandpass Sub.		10				31-100 Hz ±2	94	100	8/	16 x 16 x 20	Blk. Oak	None	42	229.00	Each		
PDR-10	Powered, Vented Sub.		10				27-150 Hz ±2		50-150		8/	14 x 14 x 16	Opt., Lam.	Blk. Knit	33	349.00	Each	
PS-800	Powered, Bandpass Sub.		8				30-150 Hz ±2		50-150		8/	16 x 14 x 17	Blk. Oak	None	36	419.00	Each	

(Continued)





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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
PARADIGM (Continued)	PS-1000	Powered, Bandpass Sub.		10					25-150 Hz ±2				17 x 17 x 19	Blk. Oak	None	58	519.00 Each
	PS-1200	Powered, Bandpass Sub.		12					23-150 Hz ±2				20 x 17 x 21	Blk. Oak	None	68	619.00 Each
	AMS-200	In-Wall, Inf. Baf.		6½		1	Dome		55-20 ±2	90	2k	8/	12 x 8 x 4	Wht.	Wht. Metal	6	150.00 Each
	AMS-250	In-Wall, Inf. Baf.		6½		1	Dome		50-22 ±2	90	1.7k	8/	12 x 8 x 4	Wht.	Wht. Metal	7	200.00 Each
	AMS-300	In-Wall, Inf. Baf.		8		1	Dome		45-22 ±2	90	1.5k	8/	13 x 9 x 4	Wht.	Wht. Metal	7	240.00 Each
PARADIGM REFERENCE	Studio/20	Vented	Opt.	6½	6½	Cone	1	Dome	40-22 ±2	89	1.5k	8/	14 x 8 x 11	Opt.	Blk. Knit	20	325.00 Each
	Studio/60	Vented	Opt.	6½	8	Cone	1	Dome	30-22 ±2	90	400, 1.5k	6/	37 x 8 x 15	Opt.	Blk. Knit	58	550.00 Each
	Studio/80	Vented		8	8	Cone	1	Dome	27-22 ±2	92	400, 1.8k	6/	41 x 10 x 16	Opt.	Blk. Knit	72	700.00 Each
	Studio/100	Vented		(2)8	6½	Cone	1	Dome	25-22 ±2	91	250, 2k	6/	45 x 11 x 17	Opt.	Blk. Knit	87	900.00 Each
	Espri/BP	Bipolar		(2)6½			(2)1	Domes	23-22 ±2	91	1.5k	8/	45 x 9 x 13	Opt., Wood	Blk. Knit	64	700.00 Each
	Eclipse/BP	Bipolar		(2)8			(2)1	Domes	18-22 ±2	91	1.5k	8/	50 x 10 x 17	Opt., Wood	Blk. Knit	95	950.00 Each
	LCR-450	Front Ch.	Yes	(2)6½			1	Dome	45-22 ±2	90	1.5k	8/	21 x 8 x 12	Opt., Lam.	Blk. Knit	14	450.00 Each
	CC-450	Ctr. Ch.	Yes	(2)6½			1	Dome	45-22 ±2	90	1.5k	8/	8 x 21 x 12	Blk.	Blk. Knit	14	500.00 Each
	ADP-450	Surround Ch.		(2)6½			(2)1	Domes	50-20	90	1.5k	8/	14 x 12 x 9	Graphite	Opt., Lam.	28	450.00 Each
	Servo-15	Powered Servo Sub		15					14-80 Hz ±2		80		20 x 18 x 23	Opt., Lam.	Opt., Knit	98	1500.00 Each
	Active/20	Powered, Biamped	Yes	6½			1	Dome	35-22 ±1		1.5k		14 x 9 x 11	Opt., Lam.	Blk. Knit	35	800.00 Each
	Active/450-LR	Main Ch., Powered, Biamped	Yes	(2)6½			1	Dome	38-22 ±1		1.5k		21 x 8 x 12	Opt., Lam.	Blk. Knit	44	925.00 Each
	Active/450-C	Ctr. Ch., Powered, Biamped	Yes	(2)6½			1	Dome	38-22 ±1		1.5k		8 x 21 x 12	Opt., Lam.	Blk. Knit	44	925.00 Each
	Active/450-ADP	Surround Ch., Powered, Biamped		(2)6½			(2)1	Domes	44-20		1.5k		14 x 13 x 9	Blk. Graphite	Blk. Knit	43	925.00 Each
PARADOX	Purpleheart E	Pressure Release Vent		(2)8			1	Inv. Dome	35-20 ±3	92		6/2	11 x 14 x 38	Opt., Oiled Wood	Blk. Knit	130	4750.00 Pair
	Purpleheart M	Pressure Release	No	(2)5			1	Dome	100-20 ±1	92		3/2	16 x 16 x 8	Opt., Oiled Wood	Blk. Knit	50	3500.00 Pair
PARAGON ACOUSTICS	Excelsior	Vented	No	12	6½, 4½	Cone, Dome	1½	Dome	22-20 ±3	90	100, 700, 4k	8/5	60 x 18 x 24	Opt.	Blk. Knit	300	9950.00 Pair
	Jubilee	Aperiodic, Time Coherent	No	6½			¾	Dome	65-20 ±3	86	2.6k	8/5	16 x 9 x 10	Opt.	Blk. Knit	46	2250.00 Pair
	J.E.M.	Vented Sub.	No	9			¾	Dome	32-350 Hz	86	350	8/5	15 x 19 x 27	Opt.	Blk. Knit	110	3600.00 Pair
	Regent	Vented	No	(2)6½			¾	Dome	32-20 ±3	91	2.3k	4/3.2	47 x 10 x 15	Opt.	Blk. Knit	145	3850.00 Pair
	Radiant	Vented	No	(2)5¼			¾	Dome	40-20 ±3	90	2.3k	4/3.6	39 x 7 x 11	Opt.	Blk. Knit	43	2850.00 Pair
	Trillian	Ctr. Ch.	No	5¼			¾	Dome	45-20 ±3	86	2.6k	8/5	15 x 7 x 12	Opt.	Blk. Knit	22	1550.00 Pair
	Facet	Powered Sub.	Yes	5¼			¾	Dome	50-20 ±3	86	2.6k	8/5	10 x 24 x 12	Opt.	Blk. Knit	30	1150.00 Each
Vargas		No	15					12-90 Hz ±1	90	50-90 (Var.)	8/5	18 x 18 x 23	Opt.	Blk. Knit	250	3400.00 Each	
PARASOUND	Nomad Three	Indoor/Outdoor		4			1	Dome	65-20	85	2.4k	8/6	5 x 7 x 5	Opt.	Opt. Metal	5	1200.00 Pair
	Nomad Four	Indoor/Outdoor		4			1	Dome	65-20 ±3	86	2.6k	8/6	5 x 7 x 5	Opt.	Opt. Metal	5	165.00 Pair
	Nomad Five	Indoor/Outdoor		5¼			2	Cone	55-20 ±3	88	3k	8/6	7 x 9 x 7	Opt.	Opt. Metal	10	280.00 Pair
	Nomad Six	Indoor/Outdoor		5¼			1	Dome	48-20 ±3	88	2.4k	8/6	7 x 9 x 7	Opt.	Opt. Metal	11	360.00 Pair
	Nomad Ten	Indoor/Outdoor		6½			1	Dome	35-20 ±4	90	2.4k	8/6	9 x 13 x 8	Wht.	Wht. Metal	8	499.00 Pair
	CS/T65R	In-Ceiling		6½			1	Dome	58-20 ±3	90	2.4k	8/6	7 Dia.	Wht.	Wht. Metal	4	249.00 Pair
	CS/S60R	In-Ceiling		6½	6½				60-18 ±3	89		7 Dia.	Wht.	Wht. Metal	4	139.00 Pair	
	CS/W1002	In-Wall, Sub.		10					26-180 Hz	89	140		12 x 12	Wht.	Wht. Metal	5	279.00 Each
	CS/T280A	In-Wall		8			1	Dome	36-22 ±3	89	2.4k	8/6	10 x 14	Wht.	Wht. Metal	7	485.00 Pair
	CS/T265A	In-Wall		6½			1	Dome	42-22 ±3	88	2.4k	8/6	9 x 12	Wht.	Wht. Metal	6	365.00 Pair
	CS/S260A	In-Wall		6½			1	Dome	46-20 ±3	88	2.6k	8/6	12 x 9	Wht.	Wht. Metal	5	249.00 Pair
	CS/T255A	In-Wall		5¼			1	Dome	52-22 ±3	87	2.6k	8/6	8 x 11	Wht.	Wht. Metal	5	265.00 Pair
CS/S250A	In-Wall		5¼			1	Dome	70-18 ±4	86	2.2k	8/6	8 x 11	Wht.	Wht. Metal	5	149.00 Pair	
PEGASUS AUDIO	Alpha IIA	Vented		6½			1	Flat	46-20 ±3	88	5.5k	8/7.8	20 x 13 x 9	Opt., Lam.	Opt., Knit	28	600.00 Pair; Kit, 300.00 Pair
	Alpha III	Vented		5¼			¾	Dome	50-20 ±3	85.6	4k	4/3	17 x 7 x 11	Opt., Lam.	Opt., Knit	20	700.00 Pair; Kit, 330.00 Pair
	Beta	Vented		6½			1	Dome	65-15 ±3	85.6	6k	8/4.1	17 x 11 x 7	Opt., Lam.	Opt., Knit	20	450.00 Pair; Kit, 250.00 Pair
	Lambda IA	Vented		6½			¾	Dome	45-20 ±3	88	3.1k	6/3.8	17 x 9 x 11	Opt., Lam.	Opt., Knit	20	850.00 Pair; Kit, 400.00 Pair
	Gemini	Vented		(2)6½			1	Flat	40-20 ±3	87.2	5.5k	4/3.9	39 x 10 x 10	Opt., Lam.	Opt., Knit	43	1500.00 Pair; Kit, 500.00 Each
	Athena	Vented Sub.		8					35-200 Hz ±3	87		8/5	39 x 10 x 10	Blk. Matte Lam	None	43	500.00 Each; Kit, 200.00 Each
	Appollo	Vented Sub.		(2)10					29-200 Hz ±3	90		4/3.1	36 x 14 x 14	Blk. Matte Lam	None	64	675.00 Each; Kit, 300.00 Each
	Quartet	2 Sealed Sats. & 2 Vented Subs.		6½	4½	Cone	¾	Dome	46-20 ±3	92	150, 5k	8/7	Four Pieces	Opt.	Opt., Knit	70	1299.00 Sys.; Kit, 899.00 Each
Stereo Sub-Woofer	Vented Stereo Sub.		(4)8					32-200 Hz ±3	89		4/2.8	22 x 32 x 13	Blk. Matte Lam.	None	70	1299.00 Each; Kit, 899.00 Each	
RockMaster 3	Vented		15			4x11	Horn	46-20 ±3	97	3.5k	6/3.3	32 x 20 x 13	Blk.	Blk. Metal	79	2400.00 Pair; Kit, 1200.00	
P.E.I. CONCEPT	Prima Engy	Bass Ref	No	6½			¾	Dome		89		8/4	9 x 14 x 10	Blk. Ash	Blk.	18	800.00 Pair
	Classic	Bass Ref	No	6½			¾	Dome		89		8/4	8 x 35 x 10	Opt., Wood	Blk.	35	1100.00 Pair
	Enzo	Bass Ref	No	(2)6½			1	Dome		89		6/3	9 x 43 x 11	Opt., Wood	Blk.	51	1800.00 Pair
		Bass Ref	No	(2)6½			1	Dome		89		6/3	9 x 43 x 11	Opt., Wood	Blk.	55	2400.00 Pair
PENTAGON	Alpha		Yes		Cone		Dome						Gloss Poly.		70	3000.00 Pair	
PETRAS	HTM200	Ctr. or Surround Ch., Vertical	Yes	5¼			1	Dome	55-20 ±2.5		5k	6/3.9	11 x 6 x 7	Blk. Wood Vinyl	Blk. Knit	10	176.00 Each
	HTM100	Ctr. or Surround Ch., Vertical	Yes	4½			¾	Dome	100-20 ±3		3k	8/5.6	9 x 6 x 7	Blk. Wood Vinyl	Blk. Knit	8	129.00 Each
	HTC100	Vertical Ctr. Ch., Horizontal	Yes	5			(2)¾	Domes	90-20 ±2.5		3k	8/6	6 x 17 x 7	Blk. Wood Vinyl	Blk. Knit	14	174.00 Each
	SW120	Sub.	No	12					25-150 Hz ±3			8/7	16 x 19 x 16	Blk. Wood Vinyl	Blk. Knit	41	245.00 Each



# Sanus Systems

AUDIO • VIDEO FURNISHINGS



Audio



Home Theater

## Euro Furniture

The list of consumer electronics manufacturers and journals that use or recommend Sanus Systems furniture is truly impressive. Why Sanus? Because Sanus furniture makes high performance audio and video equipment look and sound its very best.

Euro Furniture is a modular design. Buy exactly the number of shelves that you need now, then add shelves as you add new components. The open architecture design provides superior acoustic isolation and keeps your system running cool. Columnar sandwich construction provides high rigidity and is a stylish alternative to the utilitarian look of traditional steel racks. Fulfilling esthetic and acoustic needs equally, Euro Furniture highlights rather than hides your equipment.



Video

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
PHASE TECHNOLOGY	PC 10.5	Tuned Port	No	10	5 1/4	Solid Piston Dome	1	Dome	25-20	89	350,2.2k	4/	44 x 13 x 14	Opt., Wood	Blk. Knit	109	2200.00 Pair
	PC 3	Tuned Port	Yes	(2)6 1/2	1 1/2		1	Dome	38-22	93	750,3k	6/	22 x 8 x 12	Opt., Wood	Blk. Knit	40	500.00 Each
	PC 2	Tuned Port	Yes	6 1/2			1	Dome	40-22	91	2.5k	6/	17 x 8 x 12	Opt., Wood	Blk. Knit	28	375.00 Each
	PC 1	Tuned Port	Yes	6 1/2			1	Dome	48-22	89	2.5k	6/	13 x 8 x 12	Opt., Wood	Blk. Knit	22	550.00 Pair
	PC Center II	Ctr. Ch. Bipole/Dipole	Yes	(2)5 1/4	(2)4	Cones	1	Dome	75-22	90	2.5k	8/	6 x 20 x 11	Blk. Lam.	Blk. Knit	24	300.00 Each
	PC Surround	Bipolar, Tuned Port	No	6 1/2			(2)1	Domes	55-20	89	350,3k	8/	15 x 15 x 6	Opt., Textured	Blk. Knit	22	700.00 Pair
	9T	Bipolar, Tuned Port	Opt.	8	1 1/2	Dome	1	Dome	35-20	91	800,3k	8/	39 x 10 x 15	Opt., Wood	Blk. Knit	64	From 750.00 Pair
	7T	Tuned Port	Opt.	8			1	Dome	40-20	90	2.5k	8/	37 x 10 x 12	Opt., Wood	Blk. Knit	51	From 550.00 Pair
	5T	Tuned Port	Opt.	6 1/2			1	Dome	45-20	90	2.5k	8/	33 x 8 x 11	Opt., Wood	Blk. Knit	32	From 430.00 Pair
	3.5T	Tuned Port	No	6 1/2			1	Dome	50-20	90	3k	8/	16 x 8 x 9	Blk. Lam.	Blk. Knit	13	260.00 Pair
	2.5T	Tuned Port	No	5 1/4			1	Dome	55-20	89	3.5k	8/	11 x 7 x 8	Blk. Lam.	Blk. Knit	9	200.00 Pair
	T-Center	Ctr. Ch., Ac. Sus.	Yes	(2)5 1/4			1	Dome	80-20	90	3k	8/	6 x 20 x 8	Blk. Lam.	Blk. Knit	9	200.00 Each
	DS T	Bipolar Surround	No	5 1/4		(2)3/4	Domes	Domes	80-20	90	3.3k	8/	11 x 9 x 4	Opt., Textured	Opt.	7	250.00 Pair
	Octave 1.0	Powered Sub.	No	15					18-100 Hz		60/80/100		21 x 18 x 20	Opt., Wood	Blk. Knit	75	From 950.00 Each
	Octave Power 12	Powered Sub.	No	12					28-180 Hz		60-180		19 x 17 x 18	Opt., Wood	Blk. Knit	52	From 550.00 Each
	Octave Power 10	Powered Sub.	No	10					35-180 Hz		60-180		16 x 15 x 15	Blk. Oak Lam.	Blk. Knit	35	400.00 Each
	CI-100	In-Wall	No	6 1/2	6 1/2	Solid Piston	1	Dome	38-22	91	200,2.5k	8/	22 x 10 x 4	Wht. Matte	Wht. Steel	20	850.00 Pair
	CI-60 V	In-Wall	No	6 1/2			1	Dome	40-20	90	2.1k	8/	8 x 12 x 4	Wht. Matte	Wht. Steel	7	500.00 Pair
CI-40 V	In-Wall	No	6 1/2			1	Dome	45-20	90	2k	8/	8 x 12 x 4	Wht. Matte	Wht. Steel	6	400.00 Pair	
CI-20 V	In-Wall	No	6 1/2			3/4	Dome	50-20	90	2.8k	8/	8 x 12 x 4	Wht. Matte	Wht. Steel	4	300.00 Pair	
CI-10 V	In-Wall	No	5 1/4			3/4	Dome	55-20	90	3.5k	8/	8 x 12 x 4	Wht. Matte	Wht. Steel	4	220.00 Pair	
CI-SUB IV	In-Wall, Sub.	No	6x9					28-90 Hz	90		8/	12 x 9 x 4	Wht. Matte	Wht. Steel	8	250.00 Each	
CI-2FL-C	In-Ceiling	No	5 1/4			3/4	Dome	70-20	91		8/	8 Dia. x 3	Wht. Matte	Wht. ABS	3	90.00 Each	
CI-4REC-C	In-Ceiling	No	5 1/4			3/4	Dome	70-20	91		8/	8 Dia. x 3	Wht. Matte	Wht. ABS	3	100.00 Each	
PHYZICS	R2	Ac. Sus.	Yes	6 1/2			1	Dome	60-20 ±3	86		8/3.8	8 x 12 x 6	Oak	Blk. Knit	20	275.00 Each
	R2IW	In-Wall Ported;	Opt.	6 1/2	(2)4		1	Dome	50-20 ±3	86		8/3.6	15 x 9 x 3	Clear Lacq. Oak	Beige Knit	27	275.00 Each
	The Ritz	Ported; Sats. & Powered Sub.		(2)8. (3)6			(3)1	Domes	28-22 ±3	88	80,2.3k	4/3	Seven Pieces	Oak	Blk. Knit	24	2600.00 Sys. w/Amp
Illusion FS	Dual Vent		(2)6		Cone	1	Dome	50-20 ±2	86	150,2.5k	4/3	14 Dia. x 35	Lacq. Oak	Blk. Knit	46	2000.00 Pair	
Illusion M	Dual Vent		(2)4		Cone	1	Dome	55-20 ±2	85	150,2.5k	4/3	7 Dia. x 38	Lacq. Oak	Blk. Knit	32	1100.00 Pair	
Illusion WM	Wall-Mount; Dual Vent		(2)4		Cone	1	Dome	55-20 ±2	85	150,2.5k	4/3	8 x 22	Nat. Oak	Brown Knit	22	1100.00 Pair	
PINNACLE LOUD-SPEAKERS	INW 500	In-Wall	No	5 1/4			1	Dome	60-20 ±3	88		8/	8 x 11	Wht. Metal	Wht. Metal		225.00 Pair
	INW 600	In-Wall	No	6 1/2			1	Dome	50-20 ±3	87		8/	8 x 12	Wht. Metal	Wht. Metal		300.00 Pair
	AC 300	Outdoor; Seated	No	4			1/2	Dome	100-16 ±3	88		8/	5 x 7 x 4	Wht. Metal	Wht. Metal	5	175.00 Pair
	AC 400	Vented	Yes	4			3/4	Dome	60-21 ±3	88	5.5k	8/	6 x 9 x 7	Blk. Vinyl	Blk. Cloth	4	199.00 Pair
	AC 450	Vented	Yes	4			3/4	Dome	60-21 ±3	90	5.5k	8/	6 x 10 x 7	Opt., Gloss	Opt. Cloth	5	300.00 Pair
	AC 500	Vented	Yes	5			3/4	Dome	50-21 ±3	90	5k	8/	9 x 11 x 7	Blk. Vinyl	Blk. Cloth	4	229.00 Pair
	AC 650	Vented	No	6 1/2			3/4	Dome	40-21 ±3	91	2.5k	8/	10 x 17 x 9	Blk. Vinyl	Blk. Cloth	9	349.00 Pair
	Classic Gold Monitor	Vented	Yes	8			1	Ome	35-21 ±3	93	2.2k	8/	11 x 9 x 11	Blk. Vinyl	Blk. Cloth	9	525.00 Pair
	Classic Gold Reference	Vented	Yes	(2)6 1/2			1	Dome	29-21 ±3	92	2.5k	8/	8 x 33 x 13	Blk. Vinyl	Blk. Cloth	47	850.00 Pair
	Classic Gold Tower	Vented	Yes	(2)8			1	Dome	27-21 ±3	95	150,2k	8/	10 x 38 x 15	Blk. Vinyl	Blk. Cloth	58	1050.00 Pair
	Classic Gold Aerogel Tower	Vented	Yes	(2)8	5 1/4	Cone	1	Dome	26-21 ±3	95	500,5k	8/	10 x 44 x 15	Blk. Vinyl	Blk. Cloth	74	1695.00 Pair
	Classic Gold Center	Ctr. Ch.	Yes	(4)5 1/4			1	Dome	80-21 ±3	91	4k	8/	31 x 7 x 9	Blk. Vinyl	Blk. Cloth	38	525.00 Each
	AC Center	Ctr. Ch.	Yes	(2)4			1	Dome	100-20 ±3	90	4k	8/	17 x 6 x 6	Blk. Vinyl	Blk. Cloth	11	209.00 Each
	Widescreen Center	Ctr. Ch.	Yes	(4)4			1	Dome	90-20 ±3	90	4k	8/	26 x 6 x 6	Blk. Vinyl	Blk. Cloth	16	315.00 Each
	Cinema SAT System	5 Sealed Sats. & Powered Sub.	Yes	12	(5)3 1/2	Cones	(5)1/2	Domes	30-20 ±3		75-180,4k	8/	Six Pieces	Opt.	Opt.	58	1095.00 Sys.
	Cinema SAT	Sealed Sub.	Yes	3 1/2			1/2	Dome	110-20 ±3	88	4k	8/	4 x 6 x 4	Opt., Plast.	Opt., Plast.	2	249.00 Pair
	Digital Sub 150	Powered Sub.	No	12					30-180 Hz		75-180 (Var.)	8/	14 x 15 x 15	Blk. Vinyl	Blk. Cloth	35	595.00 Each
	Digital Sub 250	Powered Sub.	No	12					+0,-3 25-150 Hz		50-150 (Var.)		14 x 15 x 15	Blk. Vinyl	Blk. Cloth	48	850.00 Each
Digital Sub 350	Powered Sub.	No	(2)12					+0,-3 23-150 Hz		50-150 (Var.)		14 x 15 x 15	Blk. Vinyl	Blk. Cloth	58	1095.00 Each	
PIONEER	CS-H505V	Ported Main Ch., Ctr. Ch. Sat. & Surround Ch. Sats.	Yes	12	4 3/4	Cone	2 1/2	Cone	30-20	87	650,5k	8/	Five Pieces	Blk.	Blk. Knit	87	510.00 Sys.
	CS-H305V	Ported Main Ch., Ctr. Ch. Sat. & Surround Ch. Sats.	Yes	10	4 3/4	Cone	2 1/2	Cone	30-20	87	700,5k	8/	Five Pieces	Blk.	Blk. Knit	56	350.00 Sys.
	SV-505	5 Sats. & Sub.	Yes	(2)6		Cone		Cone	20-20	84	120,5k		Six Pieces	Blk.	Blk.		1000.00 Sys.
	SV-201	5 Inf. Bat. Sats. & Sub.	No	8	4	Cone	1	Cone	40-20		150,5k	8/	Six Pieces	Blk.	Blk. Knit	30	580.00 Sys.
	S-CR505	Ctr. & Surround Ch. Sats.	Yes	(2)6		Cone		Cone	20-20	84	5k		Three Pieces	Blk.	Blk.		375.00 Sys.
	S-CR500	Ctr. & Surround Ch. Sats.	Yes	(2)6			2 1/2	Cone	60-20			8/	Three Pieces	Blk.	Blk.		170.00 Sys.
	SW200	Powered Sub.	No	(2)6							50-120 (Var.)		9 x 22 x 17	Blk.			800.00 Each
	SW100	Bass Ref. Sub.	No	12					30-150 Hz		50-150 (Var.)		22 x 21 x 22	Blk.	Blk.	41	460.00 Each
	SW50	Bass Ref. Sub.	No	10					30-150 Hz		50-150 (Var.)		19 x 21 x 19	Blk.	Blk.	29	350.00 Each
	CS-G404	Bass Ref.	No	16	4 3/4	Cone	2 1/2	Cone	30-20		2.5k,7k	6/	18 x 28 x 13	Oak	Blk.	34	190.00 Each
CS-G304A	Bass Ref.	No	12	4 3/4	Cone	2 1/2	Cone	35-20		3.5k,7k	6/	15 x 26 x 13	Oak	Blk.	25	300.00 Pair	


(Continued)



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
PIONEER (Continued)	CS-G204	Bass Ref.	No	10	3	Cone	2½	Cone	40-20	3k, 6k	6/	14 x 25 x 11	Oak	Blk	23	220.00 Pair	
	CS-G104A	Bass Ref.	No	10			2½	Cone	48-20	5k	6/	13 x 22 x 9	Oak	Blk	14	160.00 Pair	
	CS-C280K	Ctr. Ch.	Yes	(2)6	(2)4		2½	Cone	60-20		8/	17 x 7 x 7	Blk	Blk	8	92.00 Each	
	CS-X580K	Surround Ch.	No		4				80-20		16/	7 x 11 x 6	Blk	Blk	5	80.00 Pair	
CS-X500 Q/K	Surround Ch., Ac. Sus.	No						100-20		8/	6 x 8 x 5	Opt.	Blk. Knit	3	70.00 Pair		
	S-20	Inf. Baf. Sats. & Sub.	No	8	4	Cone	1	Cone	40-20	150.5k	8/	Three Pieces	Blk.	Blk. Knit	24	350.00 Sys.	
	S-CR22	Inf. Baf. Ctr. & Surround Ch. Sats.	No		4	Cone	1	Cone	150-20	5k	16/	Three Pieces	Blk.	Blk. Knit	6	230.00 Sys.	
	S-CR3000K/Q	Ctr. & Surround Ch.	Yes		4	Cone			70-20		8, 16/	Three Pieces	Opt.	Blk.	6	115.00 Sys.	
PIONEER ELEC-TRONICS TECHNOLOGY	CSL-30	Indoor/Outdoor; Ac. Sus.	Yes	4½			1	Dome	65-20 ±3	89	4k	8/4	7 x 11 x 6	Opt.	Opt., Alum.	5	250.00 Pair
	CSL-50	Indoor/Outdoor		4½	4½		¾		75-20	88	8/	11 x 6 x 9	Wht. Lexan	Wht. Steel	5	269.00 Pair	
	CSL-70	Indoor/Outdoor	Yes	4½			1	Dome	75-22	88	7k	8/	11 x 6 x 9	Wht. Lexan	Wht. Steel	6	369.00 Pair
	CSL-90	Indoor/Outdoor; Ac. Sus.	Yes	4½			1	Dome	55-20 ±3	89	4k	8/4	7 x 17 x 6	Opt.	Opt., Alum.	9	225.00 Each
	CSL-250	Outdoor		6½	6½		3½		50-20	86	8/	13 x 16 x 10	Opt.		12	299.00 Each	
	CSL-300	Outdoor		6½			(2)3½		50-20	86	8/	13 x 18 x 10	Opt.		14	369.00 Each	
	CSL-100	Outdoor		6½					70-20	82	8/	14 x 14 x 9	Opt.		33	999.00 Each	
	CSL-1000	Outdoor		6½					35-25	86	8/	10 x 36 x 10	Opt.		61	599.00 Each	
PLATINUM AUDIO LTD.	Solo Duo	Tuned Port	Opt.	5			1	Dome	40-20 ±2	84	2.5k	6/	14 x 8 x 13	Opt., Wood	Blk. Knit	26	1695.00 Pair
	Trio	Tuned Port	Opt.	(2)5			1	Dome	37-20 ±2	86	500.2.5k	4/	22 x 8 x 13	Opt., Wood	Blk. Knit	38	2195.00 Pair
	Quattro	Tuned Port	Opt.	(4)5			1	Dome	34-20 ±2	86	500.2.5k	4/	40 x 10 x 13	Opt., Wood	Blk. Knit	66	3985.00 Pair
	Solo CC	Ctr. Ch.	Yes	5			1	Dome	31-20 ±2	86	500.2.5k	8/	40 x 10 x 13	Opt., Wood	Blk. Knit	70	3895.00 Pair
	Reference 1	Tuned Port	Opt.	5			1	Dome	40-20 ±2	84	2.5k	6/	14 x 8 x 13	Opt.	Blk. Knit	27	625.00 Each
	Reference 2	Tuned Port	Opt.	(2)5			1	Dome	40-20 ±1	84	2.5k	6/	14 x 8 x 13	Polished Granite	Blk. Knit	43	3995.00 Pair
	Air Pulse 3.1	Horn-Loaded	No	(2)12		Compr. Horn	3	Ring	37-20 ±1	86	500.2.5k	4/	22 x 8 x 13	Polished Granite	Blk. Knit	68	6500.00 Pair
	Quo CC	Ctr. Ch.	Yes	(2)5			1	Dome	20-20 ±2	103	125.900, 6k	16/	76 x 36 x 48	Opt., Wood		750	150,000 Pair
	Studio 1	Tuned Port	Opt.	5			1	Dome	37-20 ±2	86	500.2.5k	6/	22 x 8 x 13	Opt., Wood	Blk. Knit	40	1295.00 Each
	Studio 2	Tuned Port	Opt.	(2)5			1	Dome	50-20 ±2	86	2.5k	8/	14 x 8 x 13	Blk. Metal	Blk. Metal	23	995.00 Pair
Studio 3	Tuned Port	Opt.	(2)5			1	Dome	37-20 ±2	89	200.2.5k	7/	22 x 8 x 13	Amari Vinyl	Blk. Metal	34	1295.00 Pair	
Studio 1 CC	Ctr. Ch.	Opt.	5			1	Dome	35-20 ±2	89	200.2.5k	7/	40 x 10 x 13	Amari Vinyl	Blk. Metal	70	1695.00 Pair	
			Opt.	5			1	Dome	50-20 ±2	86	2.5k	8/	14 x 8 x 13	Opt., Vinyl	Blk. Knit	23	525.00 Each
PMC	MB-1	Trans. Line	No	12	3	Dome	1	Dome	20-25	91	380.3.8k	4/	34 x 15 x 21	Blk. Knit	Blk. Knit	88	800.00 Pair
	BB-5	Trans. Line, Powered	No	10	3	Dome	1¼	Dome	18-25	90	380.3.8k		40 x 17 x 31	Blk. Ash	Blk. Metal	165	1090.00 Pair
	XB-1	Trans. Line Sub.	No	15					25-200 Hz	90	100		31 x 17 x 11	Blk.	Blk. Metal	62	1250.00 Each
	TB-1/1S	Trans. Line	Opt.	6½			1	Dome	40-25	90	3k	8/	16 x 8 x 12	Textured Opt.	Blk. Knit	19	From 920.00 Pair
	LB-1	Trans. Line	Yes	4½			1	Dome	35-25	87	2.5k	4/	21 x 7 x 11	Opt., Wood	Blk. Knit	19	2160.00 Pair
	AB-1	Trans. Line	Yes	9½			1	Dome	25-25	89	2k	6/	31 x 11 x 17	Opt., Wood	Blk. Knit	55	3420.00 Pair
IB-1S	Trans. Line	Opt.	10	3	Dome	1	Dome	25-25	89	380.3.8k	4/	30 x 13 x 18	Blk.	Blk. Knit	80	4500.00 Pair	
POLK AUDIO	LS f/x	Ac. Sus. Dipole/Bipole		(2)4½			(2)1	Domes	60-26	89	3k	8/	11 x 6 x 9	Opt.	Opt., Knit	9	599.95 Pair
	RT f/x	Ported		5¼			(2)1	Domes	40-25		3k	8/	10 x 9 x 7	Opt.	Opt., Knit	9	449.00 Pair
	R2	Dipole/Bipole		6½			2		45-20	90	2.5k	8/	14 x 8 x 8	Blk.	Blk. Knit	13	219.00 Pair
	R1	Ported		5			2		55-20	89	2.5k	8/	11 x 6 x 7	Blk.	Blk. Knit	8	169.00 Pair
	RT2000P	Vented	Yes	(2)8	6½	Cone	1	Dome	20-26	90	80, 1.8k	8/	10 x 16 x 46	Blk. Wood	Blk. Knit	85	2000.00 Pair
	RT1000P	Powered Woofer	Yes	6½	6½	Cone	1	Dome	25-26	90	80, 1.8k	8/	8 x 13 x 42	Blk. Wood	Blk. Knit	63	1120.00 Pair
	RT800	Vented	Yes	(2)6½			1	Dome	28-26	90	1.9k	8/	8 x 11 x 40	Blk. Wood	Blk. Knit	48	900.00 Pair
	RT600	Vented	Yes	6½			1	Dome	30-26	90	1.9k	8/	8 x 11 x 34	Blk. Wood	Blk. Knit	41	670.00 Pair
	RT400	Vented	Yes	7½			1	Dome	40-25	89	3.5k	8/	9 x 10 x 37	Blk. Wood	Blk. Knit	35	450.00 Pair
	RT7	Ported	Yes	7½			1	Dome	35-26	89.5	3.3k	8/	19 x 10 x 12	Opt.	Blk. Knit	27	224.95 Each
	RT5	Ported	Yes	6½			1	Dome	39-25	89	3.5k	8/	15 x 9 x 10	Opt.	Blk. Knit	20	164.95 Each
	RT3	Ported	Yes	5¾			1	Dome	50-25	89	3.3k	8/	13 x 8 x 9	Opt.	Blk. Knit	15	139.95 Each
	RM7300	4 Sats., Ctr. Ch. & Powered Sub.	Yes	10	(6)3½	Cones	(5)½	Domes	19-22	89	150.3.5k	8/	Six Pieces	Opt.	Opt., Knit	61	1599.00 Sys.
	RM5400	4 Sats., Ctr. Ch. & Powered Sub.	Yes	8	(2)4, (4)3½	Cones	(5)½	Domes	30-22	89	150.3.5k	8/	Six Pieces	Opt.	Opt., Knit	57	1099.00 Sys.
	RM3300	Powered Sub. Sats. & Powered Sub.	Yes	8	(2)3½	Cones	(2)½	Domes	30-22	89	150.3.5k	8/	Three Pieces	Opt.	Opt., Knit	40	799.00 Sys.
	RM2000II	Sat.	Yes		3½	Cone	½	Dome	150-22	89	3.5k	8/	7 x 4 x 6	Opt.	Opt., Knit	5	499.95 Pair
	RM2500C	Ctr. Ch.	Yes	(2)3½			½	Dome	125-22	89	3.5k	8/	4 x 11 x 6	Blk.	Blk. Knit	11	299.95 Each
	CS350	Ctr. Ch., Ported	Yes	(4)4½			1	Dome	60-26	91	8/	26 x 7 x 11	Blk.	Blk. Knit	17	449.95 Each	
	CS275	Ctr. Ch., Vented	Yes	(2)4½			1	Dome	60-26	90	8/	6 x 18 x 8	Blk.	Blk. Knit	10	300.00 Each	
	CS225	Ctr. Ch., Sealed	Yes	(2)4½			1	Dome	70-25	89	8/	6 x 18 x 6	Blk.	Blk. Knit	7	219.00 Each	
	CS101	Ctr. Ch.	Yes	(4)6			½	Dome	80-20	89	4.2k	8/	5 x 19 x 5	Blk.	Blk. Knit	7	149.00 Each
	PSW300	Powered Sub.	Yes	10					19-200 Hz		50-150 (Var.)		18 x 12 x 20	Blk.	Blk.	45	799.95 Each
	PSW150	Powered Sub.		10					20-150 Hz		50-150 (Var.)		18 x 12 x 20	Blk.	Blk.	48	639.00 Each
PSW120	Powered, Vented Sub.	No	8					35-150 Hz		50-150 (Var.)		13 x 10 x 19	Blk.	Blk.		330.00 Each	
PSW50	Powered Sub.		8					30-150 Hz		50-150 (Var.)		14 x 11 x 20	Blk.	Blk.	39	449.00 Each	
M5	Ported		6½			1	Dome	32-25	91	3k	8/	13 x 8 x 9	Opt.	Opt., Knit	10	199.95 Each	
M1	Ported		6½	4	Cone	1	Dome	75-18	89	8/	10 x 6 x 7	Opt.	Opt., Knit	4	70.00 Each		
AWM2	Ported		4½			½	Dome	70-22	89	4k	8/	10 x 6 x 7	Opt.	Opt., Knit	4	109.00 Each	
AWM5	Outdoor, Ported		6½			1	Dome	32-25	91	3k	8/	13 x 8 x 9	Wht.	Wht. Plast.	10	249.95 Each	
AWM3II	Outdoor, Ported		5¼			½	Dome	60-22	89	3k	8/	11 x 7 x 8	Wht.	Wht. Plast.	7	169.95 Each	
M3II	Ported		5¼			½	Dome	60-22	89	3k	8/	11 x 7 x 8	Opt.	Opt.	7	109.99 Each	
AB805	In-Wall		(2)6½			1	Dome	30-25	91	3k	8/	6 x 16 x 3	Wht.	Wht. Metal	8	569.00 Pair	





Secrets of Home Theater and High Fidelity

# ABSOLUTELY OUT OF THIS WORLD

Everything from acoustic and even electric guitar to violin, viola, cello, woodwinds & brass came out of these little speakers with a startlingly convincing degree of reality that I've only encountered with some multi-kilobuck speakers such as Soundlab A-1 & the big Genesis."

*The Sensible Sound*

## Monitor Audio PMC Series



If it's world class performance you desire, and sheer beauty you insist on, look no further. Monitor Audio combines the art of ravishing cabinet design with years of relentless speaker research and development to create our newest masterpiece, the 700PMC Series.

All Monitor Audio speakers have several common sonic traits. Each presents a holographic sound stage in which all instruments are placed in 3-D space. The speakers are very fast and accurate. They have the ability to produce realistic tonal balance and dynamic range. Combined with the voice matched



CC700 center channel and the MA301 rear effects speaker, A Home Theater experience awaits you that will rival most theaters in the United States.



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Amplitude Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms; Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
POLK AUDIO (Continued)	AB705	In-Wall		6½			1	Dome	32-25	90	3k	8/	6 x 10 x 3	Wht.	Wht. Metal	5	399.95 Pair
	AB505	In-Wall		5¼			½	Dome	67-20	89	3k	8/	6 x 9 x 3	Wht.	Wht. Metal	4	269.95 Pair
	AB610a	In-Wall		6½			½	Dome	40-20	88	3k	8/	7 Dia.	Wht.	Wht. Metal	4	269.95 Pair
	AB410a	In-Wall		5¼			½	Dome	60-20	88	3k	8/	7 Dia.	Wht.	Wht. Metal	3	159.95 Pair
	Signature Reference Theatre (w/remote)	2 Sats., Ctr. Ch., 2 Surround & 2 Powered Subs.	Yes	(4)10	(20) 5¼, (4)4½	Cones	(7)1	Domes	15-26	87	120,800, 1.5k,3k; 15-280 (Var.)	8/	Seven Pieces	Wht. Blk. Lacq. Ash	Blk. Knit	5	8999.00 Sys. w/Cntrl. Ctr.
POSH SPEAKER SYSTEMS	P-1			4			¾	Dome	80-18 ±3	89		8/	8 x 5 (Trapezoid)	Opt.		6	
	M-2	Sub.		5¼			1	Dome	50-20 ±3	90		4/	11 x 7	Opt.		7	26
	SW-10	Ac. Sus. Stereo Sub.		10					30-120 Hz	92	120	8/	14 x 13 x 13	Blk. Blk. Plast.	Wht. Metal	6	15
	835-SX (w/Crossover)	Ac. Sus. Stereo Sub.		8					35-120 Hz ±3	90	Opt.	4/	18 x 18 x 7	Blk. Plast.	Wht. Metal	15	
	835-S	Ac. Sus. Stereo Sub.		8					35-120 Hz ±3	90	120	4/	18 x 18 x 7	Blk. Plast.	Wht. Metal	15	
	835-MX (w/Crossover)	Ac. Sus. Sub.		8					35-120 Hz ±3	90	Opt.	4/	18 x 18 x 7	Blk. Plast.	Wht. Metal	15	
	835-M	Ac. Sus. Sub.		8					35-120 Hz ±3	90	Opt.	4/	18 x 18 x 7	Blk. Plast.	Wht. Metal	15	
	In-Wall 5	In-Wall/In-Ceiling; Inf. Bar.		8			¾	Dome	60-20 ±3	90	5k	8/	18 x 18 x 1	Blk. Plast.	Wht. Metal	6	
	Retro 5	In-Wall/In-Ceiling; Inf. Bar.		8			¾	Dome	60-20 ±3	90	5k	8/	10 x 14 x 1	Blk. Plast.	Wht. Metal	4	
	In-Wall 9	In-Wall/In-Ceiling; Inf. Bar.		8			1	Dome	45-20 ±3	90	5k	8/	18 x 18 x 1	Blk. Plast.	Wht. Metal	7	
Retro 9	In-Wall/In-Ceiling; Inf. Bar.		8			1	Dome	45-20 ±3	90	5k	8/	10 x 14 x 1	Blk. Plast.	Wht. Metal	5		
528	In-Ceiling; Ac. Sus.		8			¾	Dome	47-20 ±3	90	5k	8/	18 x 18 x 7	Blk. Plast.	Wht. Metal	11		
928	In-Ceiling; Ac. Sus.		8			1	Dome	47-20 ±3	90	5k	8/	18 x 18 x 7	Blk. Plast.	Wht. Metal	11		
PRECIDE	Autos	Tuned Port	No	6½			1½x4	AMT	45-22 ±5	89		4/3	15 x 8 x 10	Opt., Wood	Blk. Knit	30	2495.00 Pair
	Kithara	Tuned Port	No	10			2x6	AMT	30-23 ±5	91		4/3	42 x 16 x 16	Opt., Wood	Blk. Knit	105	5995.00 Pair
PRES SPEAKERS	Mini S	Bass Ref.		6½			1	Dome	45-22 ±3	91	2k	8/7	17 x 8 x 10	Red Oak	Blk. Poly	18	390.00 Pair
	Ibex	Bass Ref.		8	1½	Dome	1	Dome	38-22 ±3	91	2k,7k	6/4	24 x 10 x 13	Red Oak	Blk. Poly	25	590.00 Pair
	Mini Dual	Bass Ref.		10	1½	Dome	7x3	Compr. Horn	32-22 ±3	92	2k,7k	6/4	26 x 14 x 15	Red Oak	Blk. Poly	30	690.00 Pair
	Dual	Bass Ref.		10,6½	1½	Dome	7x3	Compr. Horn	32-22 ±3	92	100,2k,7k	6/4	37 x 15 x 14	Red Oak	Blk. Poly	40	890.00 Pair
	Quad Dual	Bass Ref.		(2)10,	1½	Dome	7x3	Compr. Horn	32-22 ±3	92	100,300, 2k,7k	6/4	56 x 15 x 14	Red Oak	Blk. Poly	50	1200.00 Pair
	Classic I	Phase Aligned; Bass Ref.		6½	3	Dome	1	Horn	30-22	92	800,4k	6/5	Two Pieces Per Side	Red Oak	Blk. Poly		1900.00 Pair
	PR I	Pas. Rad. Sub.		15					30-100 Hz	92	90	8/8	42 x 20 x 14	Red Oak	Blk. Poly		390.00 Each
PR II	Pas. Rad. Sub.		12					33-100 Hz	92	90	8/8	28 x 15 x 14	Red Oak	Blk. Poly		390.00 Each	
TL12	Trans. Line Sub.		12					25-100 Hz	90	90	8/8	37 x 20 x 27	Red Oak	Blk. Poly		650.00 Each	
TL15	Trans. Line Sub.		15					25-100 Hz	93	90	8/8	32 x 20 x 41	Red Oak	Blk. Poly		650.00 Each	
PROAC	Response 1SC	Tuned Port	No	5			¾	Dome	45-20 ±5	86	5k	8/6	12 x 7 x 9	Opt., Wood	Blk. Knit	18	2100.00 Pair
	Response 2S	Tuned Port	No	7			¾	Dome	35-20 ±5	87	5k	8/6	18 x 9 x 11	Opt., Wood	Blk. Knit	30	3200.00 Pair
	Response 2.5	Tuned Port	No	7			¾	Dome	30-20 ±5	86	5k	8/6	42 x 9 x 10	Opt., Wood	Blk. Knit	65	4500.00 Pair
	Response 3.5	Tuned Port	No	(2)7			1	Dome	25-20 ±5	89	2.5k	8/6	50 x 12 x 13	Opt., Wood	Blk. Knit	115	7500.00 Pair
	Response 4	Tuned Port	No	(2)10	(2)3	Domes	1	Dome	20-20 ±5	90	100,1.5k,5k	8/6	65 x 14 x 17	Opt., Wood	Blk. Knit	300	19,000 Pair
	Response CC1	Ctr. Ch., Tuned Port	Yes	(2)5			¾	Dome	50-20 ±5	90	5k	8/6	18 x 7 x 8	Opt., Wood	Blk. Knit	24	900.00 Each
	Tablette 50	Tuned Port	No	5			¾	Dome	50-20 ±5	89	5k	8/6	11 x 7 x 9	Opt., Wood	Blk. Knit	15	1000.00 Pair
Tablette 50	Tuned Port	No	5			¾	Dome	45-20 ±5	90	5k	8/6	11 x 7 x 9	Opt., Wood	Blk. Knit	16	1700.00 Pair	
Signature Studio 100	Tuned Port	No	7			1	Dome	40-20 ±5	88	2.5k	8/6	16 x 8 x 10	Opt., Wood	Blk. Knit	25	1400.00 Pair	
Studio 150	Tuned Port	No	(2)5			¾	Dome	40-20 ±5	90	5k	8/6	39 x 8 x 10	Opt., Wood	Blk. Knit	55	2300.00 Pair	
Studio 250	Tuned Port	No	(2)7			¾	Dome	30-20 ±5	90	5k	8/6	43 x 12 x 10	Opt., Wood	Blk. Knit	85	3500.00 Pair	
PROBE AUDIO LABS	Martinet	Dipole & 2 Subs.	No	(2)12	(3)6½	Cones	(3)1	Domes	22-20 ±3	89		4/2.5	Three Pieces Per Side	Opt., Wood	Blk. Knit	300	28,980 Sys.
	Jayde	Dipole & Sub.	No	8	6½	Cone	1	Dome	45-20 ±3	90		8/6.5	Two Pieces Per Side	Opt., Wood	Blk. Knit	100	3995.00 Sys.
	Monad		Yes	6½			1	Dome	55-20 ±3	88		8/7	14 x 10 x 12	Opt., Wood	Blk. Knit	35	1995.00 Pair
PROFES-SIONAL TECH-NOLOGIES	Modula 12	Ported Sub.		12					37-180 Hz ±3	88	Var.	8/	Oak		39	399.00 Each	
	Modula 10	Ported Sub.		10					43-500 Hz ±3	88	Opt.	8/6	23 x 9 x 14	Opt., Oak	Blk. Knit	43	379.00 Each
	Modula 6.5	Ported Sub.		6½					47-2.5 ±3	88	Opt.	8/5	11 x 9 x 14	Opt., Oak	Blk. Knit	32	359.00 Each
	Modula 8	Ported Sub.		8					32-3.5 ±3	88	Var.	8/	Oak		30	369.00 Each	
	Modula 4CM	Add-On Mid-Bass			4	Cone			200-4	90	Var.	8/	Oak		20	379.00 Each	
	Modula 2DM	Add-On Midrange			2	Dome			1k-10k	89	Var.	8/	Oak		20	352.00 Each	
	Modula 1.25DT	Add-On Tweeter					1½	Dome	1.2k-25k	91	Var.	8/	Oak		20	299.00 Each	
	Modula 1ADT	Add-On Tweeter					1	Dome	1.5k-30k	90	Var.	8/	Oak		20	279.00 Each	
	PT652D	Tuned Port		(2)6½			1¼	Dome	40-20 ±3	88	3k	8/	12 x 14 x 17	Opt.	Opt.	35	1500.00 Pair
	PT6521	Tuned Port		6½			1	Dome	45-20 ±3	89	3k	8/	13 x 12 x 17	Opt.	Opt.	20	999.00 Pair
PT821	Tuned Port		8			1¼	Dome	31-20 ±3	91	2k	8/	10 x 13 x 35	Opt.	Opt.	40	1700.00 Pair	
PT8341	Tuned Port		8	4½	Cone	1	Dome	37-20 ±3	90	300,3k	8/	13 x 12 x 27	Opt.	Opt.	55	2300.00 Pair	
PROPHILE	215	Vented	No	15			1	Dome	38-20 ±3	92	1.5k	4/4	32 x 16 x 14	Opt.	Blk. Knit	64	895.00 Pair
	315	Vented	No	15	6	Cone	1	Dome	30-20 ±2	93	120,1.5k	4/4	42 x 16 x 15	Opt.	Blk. Knit	84	1495.00 Pair
	P-4	Vented; Powered Woofer	No	12,	6	Cone	1	Dome	30-20 ±2	91	120,1.5k	8/6	45 x 11 x 17	Opt.	Blk. Knit	108	2195.00 Pair
	P-5	Vented	No	(2)8	6	Cone	1	Dome	28-20 ±2	91	120,1.5k	4/4	27 x 13 x 16	Opt.	Blk. Knit	112	1695.00 Pair
	CC-4	Ctr. Ch.	No	8,(2)6	6	Cone	1	Dome	40-20 ±2	91	120,2k	4/4	48 x 9 x 9	Opt. Blk. Gloss	Blk. Knit	42	595.00 Each
	207	Vented	No	7			1	Dome	50-20 ±2	90	2.2k	4/4	17 x 9 x 9	Opt.	Blk. Knit	24	695.00 Pair
	307	Vented	No	7			1	Dome	40-20 ±2	88	1.9k	8/6	38 x 8 x 9	Opt.	Blk. Knit	52	895.00 Pair
	308	Vented	No	8	7	Cone	1	Dome	38-20 ±2	88	150,1.7k	8/6	40 x 10 x 11	Opt.	Blk. Knit	63	1095.00 Pair
	310	Vented	No	10	7	Cone	1	Dome	35-20 ±2	88	150,1.7k	8/6	42 x 13 x 12	Opt.	Blk. Knit	72	1395.00 Pair
	312	Vented	No	12	6	Cone	1	Dome	30-20 ±2	89	120,1.5k	8/6	42 x 13 x 12	Opt.	Blk. Knit	80	1595.00 Pair





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**Home Theater** magazine says DCM is "a great system for action movie buffs, with great dynamics and consistent sound from speaker to speaker."

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LOUDSPEAKERS

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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
PSB SPEAKERS	Stratus Gold-i	Ported		10	6½	Cone	1	Dome	31-21 ±3	90	250,2.2k	4/4	43 x 13 x 16	Opt.	Blk. Knit	90	From 2399.00 Pair
	Stratus Silver	Ported		6½	6½	Cone	1	Dome	35-21 ±3	91	500,2.1k	4/4	38 x 10 x 14	Opt.	Blk. Knit	47	From 1599.00 Pair
	New Stratus Mini	Ported		6½			¾	Dome	50-21 ±3	88	2.2k	4/4	16 x 9 x 13	Opt.	Blk. Knit	23	From 999.00 Pair
	Stratus C5	Ctr. Ch.; Bass Ref.	Yes	(2)5¼			(2)¾	Domes	66-21 ±3	92	2k	8/8	7 x 20 x 10	Opt.	Blk. Knit	22	From 499.00 Each
	Stratus C6	Ctr. Ch.; Bass Ref.	Yes	(2)6½			(2)1	Domes	58-21 ±3	93	2k	8/8	8 x 24 x 12	Opt.	Blk. Knit	30	From 699.00 Each
	Stratus SubSonic 3i	Powered Ac. Sus. Sub.		15					24-150 Hz ±3	97			18 x 18 x 18	Blk. Gloss	Blk. Knit	64	From 899.00 Each
	Stratus SubSonic 4	Powered Ac. Sus. Sub.		15					20-120 Hz ±3	97			19 x 18 x 19	Opt.	Blk. Knit	70	From 1299.00 Each
	Century 1000i	Ported		(2)6½			1	Dome	40-21 ±3	92	500,2k	4/4	36 x 9 x 13	Opt., Wood	Blk. Knit	39	From 999.00 Pair
	Century 800i	Ported		(2)8			1	Dome	42-21 ±3	92	2k	8/8	35 x 10 x 14	Opt., Wood	Blk. Knit	42	From 799.00 Pair
	Century 600i	Ported		(2)6½			1	Dome	43-21 ±3	91	2.2k	8/8	31 x 9 x 14	Opt., Wood	Blk. Knit	34	From 599.00 Pair
	Century 500i	Ported		8			¾	Dome	45-21 ±3	92	2.2k	6/5	24 x 10 x 12	Opt., Wood	Blk. Knit	26	From 499.00 Pair
	Century 400i	Ported		6½			¾	Dome	55-21 ±3	89	2.5k	6/5	16 x 9 x 12	Opt., Wood	Blk. Knit	17	From 399.00 Pair
	Century 300i	Ported		6½			¾	Dome	70-21 ±3	91	3k	6/5	14 x 9 x 10	Opt., Wood	Blk. Knit	15	From 299.00 Pair
	Century 100Ci	Ctr. Ch.; Bass Ref.		(2)4			½	Dome	78-21 ±3	93	3k	6/6	6 x 17 x 8	Ebony Ash	Blk. Knit	13	From 199.00 Each
	Century 200Ci	Ctr. Ch.		(2)5¼			½	Dome	72-20 ±3	92	2.8k	8/8	7 x 19 x 10	Ebony Ash	Blk. Knit	18	From 299.00 Each
	Century SubSonic 2i	Powered Bass Ref. Sub.		12					25-150 Hz ±3	94			15 x 19 x 14	Ebony Ash	Blk. Knit	40	From 649.00 Each
	Alpha A/V	Ported		6½			½	Dome	68-21 ±3	92	3k	6/5	13 x 8 x 10	Opt.	Blk. Knit	11	From 249.00 Pair
	Alpha Mini	Ported	Yes	5¼			½	Dome	68-21 ±3	91	3.5k	6/5	10 x 7 x 10	Opt.	Blk. Knit	9	From 199.00 Pair
	Alpha Mite	Ported	Yes	4½			½	Dome	72-21 ±3	90	3.5k	6/5	9 x 6 x 8	Opt.	Blk. Knit	7	From 169.00 Pair
	Alpha Midi	Ported	Yes	4½			½	Dome	68-21 ±3	92	3.5k	6/6	7 x 10 x 10	Blk.	Blk. Knit	9	From 119.00 Each
Alpha Powered Sub.	Powered Sub.	Yes	10			½	Dome	28-150 Hz ±3	93			11 x 15 x 14	Blk.	Blk. Knit	26	From 439.00 Each	
SubSonic 1	Dipole Surround		(2)4½			(2)½	Domes	80-21 ±3	90	3k	8/8	9 x 9 x 6	Opt.	Opt., Knit	6	From 349.00 Pair	
Ambient I	Dipole Surround		(2)5¼			(2)½	Domes	75-20 ±3	89	3k	8/8	11 x 11 x 8	Opt.	Opt., Knit	10	From 449.00 Pair	
Ambient II	In-Wall; Inf. Baf.		6½					56-20 ±2	90	2.4k	8/8	9 x 12 x 4	Wht.	Wht. Knit	10	From 449.00 Pair	
PUREST SOUND SYSTEMS	HF93db Single	Vented ¼ Wave	No	(2)8	5¼	Cone	1	Dome	30-20 ±1.5	93		8/4	43 x 12 x 22	Oiled Wood	Blk. Knit	80	From 2650.00 Pair
			No	6½	6½				40-18 ±1	92		16/8	42 x 12 x 13	Oiled Wood	Blk. Knit	60	From 1685.00 Pair
QUAD-RATURE	DSP 3a	Active DSP Correction	No	(6)6½	(4)5½	Cones	(6)1	Domes		91	170,2.5k	6/3.5	76 x 13 x 19	Opt.	Blk. Knit	235	From 16,260 Pair w/DSP Module
	DSP 4a	Active DSP Correction	No	(2)8	(2)5½	Cones	(4)1	Domes		89	220,2.5k	6/3.5	58 x 13 x 16	Opt.	Blk. Knit	181	From 10,095 Pair w/DSP Module
	DSP 5a	Active DSP Correction	No	10	5½	Cone	1	Dome		88	375,2.5k	8/6	47 x 13 x 14	Opt.	Blk. Knit	125	From 5295.00 Pair w/DSP Module
QUANTA TECHNOLOGIES	The Amazing Mini-Monitor III MKII	Vented		5¼			1	Dome	54-22 ±3	88	2.5k	8/6	17 x 7 x 11	Matte Blk.	Gray Knit	20	From 997.00 Pair; Kit, 688.00
	Hybrid Line	Hybrid Line		6½			1	Dome	47-20 ±3	89	2k	8/6	20 x 9 x 13	Matte Blk.	Gray Knit	28	From 1490.00 Pair; Kit, 1045.00
	VII MKII	Hybrid Line		8			1½	Dome	29-20 ±3	91	2k	8/6.2	34 x 11 x 18	Matte Blk.	Gray Knit	58	From 3500.00 Pair; Kit, 2850.00
	A Sub-Woofer	Vented Sub.		8					30-200 Hz ±3	89	8/5.3	25 x 11 x 17	Matte Blk.	Blk. Knit	45	From 1290.00 Pair; Kit, 899.00	
	B Sub-Woofer	Hybrid Line Sub.		10					25-200 Hz ±3	92	8/5.2	34 x 14 x 24	MatteBlk.	Blk. Knit	78	From 3250.00 Pair; Kit, 2450.00	
	C Sub-Woofer (The Rock)	Vented Stereo Sub.		(2)10					26-200 Hz ±3	92	8/5.2	24 x 24 x 37	Matte Blk.	Blk. Knit	175	From 6500.00 Each	
	Baby Pyramid MKII	Vented		5¼			1½	Dome	54-20 ±3	91	2k	8/5.3	15 x 10 x 11	Matte Blk.	Gray Knit	22	From 3990.00 Pair
	Baby Pyramid MKIII	Vented		5¼			1½	Dome	50-20 ±3	89	2k	8/5.2	16 x 11 x 12	Opt.	Opt.	44	From 5500.00 Pair
	The Pyramid Full Pyramid	Vented		8			1½	Dome	27-20 ±3	93	2k	8/5.2	Four Pieces	Opt. Matte Blk.	Opt. Gray Knit	400	From 9000.00 Pair
Great Pyramid	Vented		10	5¼	Cone	1½	Dome	27-20 ±3	91	75,2k	8/5.2	Four Pieces	Opt. Matte Blk.	Opt. Gray Knit	400	From 38,000 Sys.	
QUINTESSENCE ACOUSTICS	Q.R.S.	Powered; Vented	No	(16)10½	(4)7	Cones	(6)1	Inv. Domes	14-29 ±2	97		4/1	Four Pieces	Opt.	Blk.	1400	From 85,000 Sys. w/2 Active Xovers & Amp
Stealth	Powered; Vented	No	(4)10	(4)7	Cones	(6)1	Inv. Domes	24-29 ±3	97		4/2		Opt.	Blk.	250	From 57,500 Pair w/Active Xover & Amp	
Summit	Vented	No	(4)10	(4)7	Cones	(6)1	Inv. Domes	28-29 ±3	96		4/2		Opt.	Blk.	285	From 35,000 Pair w/Active Xover	
Shadow	Vented	No	10½, 8½	(2)5¼	Cones	(2)1, 1,4	Inv. Domes, Dome, Ribbon	30-28 ±3	94		4/2		Opt.	Blk.	250	From 19,500 Pair	
Studio	Vented	No	(2)8½	(2)7	Cones	(2)1	Inv. Domes	33-24 ±3	92		6/3	55 x 13 x 17	Opt.	Blk.	200	From 12,000 Pair	
Black Hole	Bass Ref. Sub.		18					18-200 Hz ±1	98	50-150 (Var.)	8/	28 x 32 x 21	Opt.	Cloth	400	From 8500.00 Each	
Black Hole Jr.	Sub.		15					24-200 Hz ±2	95	(Var.)	8/	26 x 20 x 18	Opt.	Cloth	130	From 4900.00 Each	



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
THE RADIA SERIES	520	Planar Hybrid		(2)6½			1¼ x 50	Planar Mag.	75-18.5 ±3	87	75,500	4/4	68 x 14 x 17	Opt., Metal	Blk. Knit	54	From 2399.00 Pair	
	420	Planar Hybrid		(2)6½			1¼ x 40	Planar Mag.	75-18.5 ±3	87	75,500	4/4	57 x 14 x 17	Opt., Metal	Blk. Knit	46	From 1999.00 Pair	
	220	Ctr. Ch., Hybrid	Yes	(2)6½	1¼ x 22	Planar Mag.	1	Dome	75-18.5 ±3	87	75	4/4	8 x 39 x 12	Opt., Metal	Blk. Knit	30	From 999.00 Each	
	RD-75	In-Wall; Sat.			1¼ x 75	Planar Mag.			150-18.5 ±3	87	150	6/6	79 x 6		Wht. Knit	50	1899.00 Pair	
	RD-50	In-Wall; Sat.			1¼ x 50	Planar Mag.			150-18.5 ±3	87	150	4/4	52 x 6		Wht. Knit	35	1499.00 Pair	
	LF-12	In-Floor; Sub.		12					20-150 Hz ±3	87	150	8/8	15 x 15 x 6			5	300.00 Pair	
RBH SOUND	A-504	In-Wall/In-Ceiling; Inf. Baf.	No	5¼				Dome	60-20 ±3	90		8/	8 Dia.	Wht. ABS	Wht. Metal	2	75.00 Pair	
	A-504-D	In-Wall/In-Ceiling; Inf. Baf.	No	5¼				Dome	60-20 ±3	90		8/	8 Dia.	Wht. ABS	Wht. Metal	2	39.00 Each	
	A-506	In-Wall/In-Ceiling; Inf. Baf.	No	5¼			¾	Dome	60-20 ±3	90	3k	8/	8 Dia.	Wht. ABS	Opt., Plast.	6	179.00 Pair	
	A-509	In-Wall; Inf. Baf.	No	5¼			¾	Dome	55-20 ±3	90	3k	8/	8 x 11	Wht. ABS	Wht. Metal	6	159.00 Pair	
	A-610	In-Wall; Inf. Baf.	No	6½			1	Dome	55-20 ±3	90	2.8k	8/	9 x 12	Wht. ABS	Wht. Metal	6	295.00 Pair	
	A-615	In-Wall/In-Ceiling; Inf. Baf.	No	6½			1	Dome	55-20 ±3	90	3k	8/	9 Dia.	Wht. ABS	Wht. Metal	5	225.00 Pair	
	A-810	In-Wall; Inf. Baf.	No	8			1	Dome	50-20 ±3	90	2.5k	8/	10 x 14	Wht. ABS	Wht. Metal	8	395.00 Pair	
	TK-6	In-Wall; Inf. Baf.	No	6½			1	Dome	50-20 ±3	92	3k	8/	9 x 12	Wht. ABS	Wht. Metal	6	349.00 Pair	
	TK-8	In-Wall; Inf. Baf.	No	8			1	Dome	50-20 ±3	92	2.75k	8/	10 x 14	Wht. ABS	Wht. Metal	8	495.00 Pair	
	MC-6	In-Wall; Inf. Baf.	No	6½			1	Dome	50-20 ±3	87	3k	8/	9 x 12	Wht. ABS	Wht. Metal	6	445.00 Pair	
	MC-8	In-Wall; Inf. Baf.	No	8			1	Dome	45-20 ±3	87	2.5k	8/	10 x 14	Wht. ABS	Wht. Metal	8	599.00 Pair	
	AS-10-D	In-Wall; Inf. Baf., Dual-Voice-Coil Sub.	No	10			1	Dome	40-100 Hz ±3	90	85	2 x 8/	12 x 12	Wht. ABS	Wht. Metal	10	245.00 Each; w/Amp, 575.00 Each or 699.00 Pair	
	53	Indoor/Outdoor	No	4½			¾	Dome	80-20 ±3	89	2.5k	8/	6 x 9 x 5	Opt., Plast.	Opt., Metal	4	129.00 Pair	
	C-760	In-Wall	No	6½			1	Dome	50-20 ±3	90	2.5k	4/	14 x 28 x 4	Satin Blk.	Wht. Knit	30	349.00 Each	
	WS-100	In-Wall; Sub.	No	10					30-100 Hz ±3	91		4/	14 x 48 x 4	Satin Blk.	Wht. Knit	46	375.00 Each; w/Amp, 699.00	
	FS-12	In-Floor; Sub.	No	12					30-100 Hz ±3	92		4/	14 x 36 x 10	Satin Blk.		57	399.00 Each; w/Amp, 749.00	
	FS-12-D	In-Floor; Dual-Voice-Coil Sub.	No	12					30-100 Hz ±3	92		2 x 4/	14 x 36 x 10	Satin Blk.	Wht. Knit	57	450.00 Each	
	600-MX		Yes	6½			1	Dome	62-20 ±3	90	3k	4/	8 x 15 x 10	Blk. Knit Wrap w/Wood Endcaps	Blk. Knit Wrap w/Wood Endcaps	19	199.00 Each	
	700-CX	Ctr. Ch.	Yes	6½			1	Dome	62-20 ±3	90	3k	4/	21 x 8 x 10	Blk. Knit Wrap w/Wood Endcaps	Blk. Knit Wrap w/Wood Endcaps	30	350.00 Each	
	750-MX		Yes	6½			1	Dome	62-20 ±3	90	3k	4/	8 x 21 x 10	Blk. Knit Wrap w/Wood Endcaps	Blk. Knit Wrap w/Wood Endcaps	31	350.00 Each	
	900-MX		Yes	6½			1	Dome	50-20 ±3	90	3k	4/	8 x 50 x 10	Blk. Knit Wrap w/Wood Endcaps	Blk. Knit Wrap w/Wood Endcaps	53	450.00 Each	
	61-SV		Yes	6½			1	Dome	60-20 ±3	86	3k	4/	9 x 15 x 9	Blk. Vinyl	Blk. Knit	19	275.00 Each	
	661-SV		Yes	6½			1	Dome	50-20 ±3	90	3k	4/	9 x 22 x 12	Blk. Vinyl	Blk. Knit	45	425.00 Each	
	1061-SV		No	10	6½	Cone	1	Dome	25-20 ±3	87	120, 3.5k	4/	9 x 47 x 14	Blk. Vinyl	Blk. Knit	70	750.00 Each	
	TS-8	Powered Sub.	No	8					40-160 Hz	40-160	4/	4/	12 x 13 x 15	Opt., Oak	Blk. Knit	35	475.00 Each	
	TS-10	Powered Sub.	No	10					35-160 Hz	40-160	4/	4/	14 x 15 x 17	Opt., Oak	Blk. Knit	45	549.00 Each	
	TS-12	Powered Sub.	No	12					30-160 Hz	40-160	4/	4/	16 x 19 x 19	Opt., Oak	Blk. Knit	56	699.00 Each	
	TS-15	Powered Sub.	No	15					25-160 Hz	40-160	4/	4/	20 x 21 x 20	Opt., Oak	Blk. Knit	93	1099.00 Each	
	VDS-12	Sub.	No	12					25-100 Hz ±3	89	100	4/	16 x 19 x 19	Opt., Oak	Blk. Knit	48	210.00 Each	
	VDS-15	Sub.	No	12					25-100 Hz ±3	91	100	4/	20 x 21 x 20	Opt., Oak	Blk. Knit	85	659.00 Each	
	C-1000	C-760 & WS-100															76	700.00 Sys.
	WT-1	5 A-509															30	349.00 Sys.
WT-2	AS-10-D & 5 A-610															40	999.00 Sys. w/Amp	
WT-3	2 AS-10-D & 5 TK-8															60	1699.00 Sys. w/Amp	
WT-4	WS-100 & 5 C-760															196	2299.00 Sys. w/Amp	
TH-1	TS-12, 700-CX & 4 750-MX															210	2199.00 Sys. w/Amp	
STH-2	TS-10 & 5 61-SV															140	1749.00 Sys.	
STH-3	TS-12, 2 61-SV & 3 661-SV															229	2299.00 Sys.	
STH-4	TS-15, 2 1061-SV & 3 661-SV															368	3499.00 Sys.	
STH-5	2 TS-15, 4 1061-SV & 661-SV															511	5099.00 Sys.	



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CIRCLE NO. 94 ON READER SERVICE CARD

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price \$
RECOTON	W450	Wireless		6½			½		50-15	91			8 x 12 x 11	Blk. Oak Vinyl	Blk. Cloth		449.99 Pair
	W440	Wireless		4			2		50-15					Blk. Matte Blk. Opt.			299.99 Pair
	W410	Indoor/Outdoor; Wireless		4½			1		30-15					Blk. Opt.			279.99 Each; Pair, 499.95
	WC430	Multimedia; Wireless							50-15					Gray			249.99 Pair
	WP445	Wireless; Battery-Powered							50-13								329.99 Pair
	HT422	Front Ch.		(2)5			½	Dome	90-22	91		8/	17 x 6 x 7	Blk. Oak Vinyl	Blk. Cloth		218.99 Pair
64556	Powered; Multimedia;		3			1½		50-20					Blk. Vinyl Wht.				29.99 Pair
REFERENCE MUSIC SYSTEMS	RMS Revelation I	Inf. Baf.		5¼			1	Dome		89			Three Pieces	Steel	Blk.	60 Sys.	2995.00 Sys.
	RMS Revelation II	Inf. Baf.		(2)5¼			1	Dome		89			Three Pieces	Steel	Blk.	70 Sys.	3995.00 Sys.
REFERENCE 3A	Studio Master	Tuned Port	No	8			1	Dome	44-20 +0,-3	92		8/6	18 x 15 x 14	Blk. Lacq. Corian	Blk. Foam	35	3600.00 Pair
	Royal Master Series II	Tuned Port	No	8			1	Dome	44-20 +0,-3	92		8/6	18 x 15 x 14	Blk. Lacq. Corian	Blk. Foam	45	5500.00 Pair
	Integral	Push-Pull	No	8			1	Dome	38-20 +0,-3	92		8/6	40 x 16 x 14	Blk. Lacq. Opt.	Blk. Foam	60	4500.00 Pair
	La Divina	Push-Pull	No	(2)4	4		1	Dome	40-20 +0,-3	90		4/3	7 Dia. Column	Blk. Lacq. Corian	Blk. Foam	30	3900.00 Pair
La Suprema Series II		No	(2)8	8		1	Dome	25-20 +0,-3	92		5/4	55 x 15 x 14	Blk. Lacq. Corian	Blk. Foam	180	13,000 Pair	
REGA RESEARCH	XEL	¼-Wave Trans. Line	(2)5				1	Dome					38 x 8 x 12	Opt., Wood	Blk. Knit	47	1795.00 Pair
	ELA	¼-Wave Trans. Line	5				1	Dome					30 x 7 x 10	Opt., Wood	Blk. Knit	30	995.00 Pair
	EL8		5				1	Dome					30 x 7 x 7	Opt., Wood	Blk. Foam	18	695.00 Pair
	Kyte		5				1	Dome					12 x 7 x 7	Opt., Wood	Blk. Foam	9	475.00 Pair
REL BY SUMIKO	Q-100e	Powered Ac. Sus. Sub.	No	12					20-120 Hz		30-100		16 x 16 x 16	Blk.	Blk. Knit	42	995.00 Each
	Strata II	Powered Bass Ref. Sub.	No	10					20-120 Hz		30-120		17 x 21 x 12	Blk.		40	1195.00 Each
	Storm	Powered Bass Ref. Sub.	No	10					19-120 Hz		30-120		23 x 21 x 14	Blk.		66	1595.00 Each
	Stadium II	Powered Bass Ref. Sub.	No	10					18-100 Hz		25-100		22 x 21 x 17	Opt.		88	2500.00 Each
	Stentor II	Powered Bass Ref. Sub.	No	10					15-100 Hz		25-100		23 x 21 x 20	Opt.		110	4000.00 Each
	Studio II	Powered Bass Ref. Sub.	No	(2)10					12-100 Hz		25-100		27 x 23 x 21	Opt.		194	8000.00 Each
RENAISSANCE ACOUSTICS	Companion Monitor	Bass Ref.	Yes	6½			1	Dome	45-20 ±3	88	3k	8/5	19 x 10 x 12	Opt., Ven.	Opt., Knit	25	725.00 Pair
	Companion Mini-Monitor	Ac. Sus.	Yes	5			1	Dome	70-20 ±3	87	3k	8/5	12 x 8 x 7	Opt., Ven.	Opt., Knit	12	495.00 Pair
	Contrabass	Bass Ref. Sub.	No	10					30-100 Hz ±3	88	100	8/6	18 x 18 x 16	Opt., Ven.	Opt., Knit	48	975.00 Pair
	Concerto	Bass Ref.	Yes	10	5	Cone	1	Dome		89	250,3k	8/5	38 x 12 x 14	Opt., Ven.	Opt., Knit	75	1975.00 Pair
RESONANCE	M6b	Bass Ref.	No	6½			¾	Dome	45-20	90	3.5k	4/3	9 x 14 x 12	Blk. Textured Blk.	Blk. Knit	19	516.00 Pair
	DD161d	Bass Ref.	Opt.	6½			1	Dome	45-20	90	1.8k	4/3	9 x 14 x 12	Blk. Textured Blk.	Blk. Knit	20	842.00 Pair
	DD261d	Bass Ref.	Opt.	6½			1	Dome	40-20	91	1.8k	4/3	10 x 19 x 16	Blk. Textured	Blk. Knit	34	1738.00 Pair
REVEL	Gem	Ported; D'Apollo	Yes	5			1½	Dome	47-20	87	2.7k	6/4	20 x 8 x 17	Opt.	Opt., Knit	35	From 3000.00 Each
	Sub-15/LE-1 (w/remote)	Powered Sub.	No	15					20-80 Hz ±0.5	80			20 x 20 x 21	Opt.	Opt., Knit	93	From 7500.00 Pair w/Xover/Amp
REVOX	Elegance Subwoofer	Bass Ref. Sub.	No	(2)8					38-110 Hz	88	130	6/	5 x 20 x 14	Opt.	Blk. Metal	20	1395.00 Pair
	Elegance Active Subwoofer	Powered Bass Ref. Sub.	No	(2)6					30-95 Hz		95-110 (Var.) 1.7k		18 x 18 x 20	Opt.		45	1695.00 Each
	Elegance Center Channel	Ctr. Ch., Bass Ref.	Yes	(2)4			1	Dome	45-20	88		8/	6 x 18 x 9	Opt.	Blk. Metal	18	599.00 Each
	Emporium B MkIV	Bass Ref.	No	8	8	Cone	1	Dome	30-25	89		4/	38 x 9 x 12	Satin Blk.	Blk. Metal	45	2095.00 Pair
	Forum B MkIV	Bass Ref.	No	8	8	Cone	1	Dome	33-25	87		4/	18 x 9 x 12	Satin Blk.	Blk. Metal	22	1195.00 Each
	UniSub	Bass Ref. Sub.	No	8					38-110 Hz	88	110	6/	22 x 11 x 11	Blk. Opt.	Blk. Metal	20	499.00 Each
	Elegance Column	Trans. Line	Yes	(2)3			1	Dome	55-20	88	2.6k	8/	44 x 4 x 4	Blk. Opt.	Blk. Metal	20	1395.00 Pair
	Elegance Shelf	Bass Ref.	Yes	(2)3			1	Dome	60-20	88	2.6k	8/	13 x 4 x 8	Opt. Cherry	Blk. Metal	10	899.00 Pair
	Scala	Powered Bass Ref.	No	(2)6	6	Cone	1	Dome	31-20 +0,-3	88	100,3.1k	4/	74 x 7 x 10	Opt., Wood	Blk. Metal	106	13,000 Pair
	Emetric 220	Bass Ref.	No	(2)6	6	Cone	1	Dome	32-20	88		4/	53 x 8 x 14	Opt., Wood	Silver Metal	70	4600.00 Pair
Emetric 160	Bass Ref.	No	(2)6			1	Dome	35-20	88	2.7k	8/	45 x 8 x 14	Opt., Wood	Silver Metal	43	2995.00 Pair	
Emetric Shelf	Bass Ref.	No	7			1	Dome	42-20	87.5	3.7k	8/	15 x 9 x 12	Opt., Wood	Silver Metal	17	1600.00 Pair	
Atrium B MkIV	Bass Ref.	No	(2)10	5	Cone	1	Dome	28-25	91		4/	43 x 9 x 14	Blk.	Blk. Metal	58	2795.00 Pair	
ROBERTS ARCHITECTURAL AUDIO	RA850	In-Wall; Inf. Baf.		8			¾	Dome	28-30 ±3	90	3.5k	8/5.5	14 x 10 x 3	Wht.	Wht. Metal	7	649.00 Pair
	RA820	In-Wall; Inf. Baf.		8			¾	Dome	35-30 ±3	90	3.8k	8/6	14 x 10 x 3	Wht.	Wht. Metal	6	499.00 Pair
	RA620	In-Wall; Inf. Baf.		6½			¾	Dome	50-30 ±3	89	4.2k	8/6	14 x 10 x 3	Wht.	Wht. Metal	6	299.00 Pair
	RA600	In-Wall; Inf. Baf.		6½			¾	Dome	50-20 ±3	89	5k	8/6	14 x 10 x 3	Wht.	Wht. Metal	6	249.00 Pair
	MP260	In-Wall; Inf. Baf.		6½			2½	Cone	50-17 ±3	90	4k	8/6	14 x 10 x 3	Wht.	Wht. Metal	6	199.00 Pair
	RA8SW	In-Wall; Sub.		8					30-150 Hz ±3	89	150	8/6	14 x 10 x 3	Wht.	Wht. Metal	12	399.00 Each



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic F. Frequency Response, Hz to kHz $\pm$ dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
ROCKPORT TECHNOLOGIES	Perigee	Bass Ref.	No	9	4 1/2	Cone	1	Dome	32-21 $\pm$ 3	88		6/4	13 x 20 x 46	Opt., Wood	Blk. Foam	140	9950.00 Pair
	Syzygy	Bass Ref.	No	9	4 1/2	Cone	1	Dome	32-21 $\pm$ 3	88		6/4	13 x 20 x 43	Blk. Gloss	Bk. Foam	200	16,500 Pair
	Antares	Bass Ref.	No	(2)10	8.5 1/4	Cones	1	Dome	25-21 $\pm$ 3	92		5/3	16 x 32 x 57	Opt., Wood	Bk. Foam	250	32,500 Pair
	Procyon II	Bass Ref., Powered Woofers	No	(2)9	7.4 1/2	Cones	1	Dome	20-21 $\pm$ 3	88		6/4	15 x 24 x 48	Bk. Gloss	Bk. Foam	300	37,500 Pair
	Xenia	Horn-Loaded Planar & Powered Woofers	No	(16)9	1x54	Planar	1x54	Planar	20-30 $\pm$ 3	100		5/5	Four Pieces	Bk. Gloss	Bk. Foam	2200 Sys.	128,500 Sys.
ROCK SOLID SOUNDS	S 100	Vented	Yes	4			1	Dome	95-20 $\pm$ 3	89	3.5k	8/	10 x 8 x 4	Bk. Poly.	Bk. Knit	3	100.00 Each
	C 100	Clr. Ch., Vented	Yes	(2)4			1	Dome	95-20 $\pm$ 3	90	3k	8/	6 x 17 x 6	Bk. Poly.	Bk. Knit	7	150.00 Each
	PB 100	Powered Sub.	Yes	10			1	Dome	32-80 Hz $\pm$ 3				16 x 14 x 16	Bk. Vinyl	Bk. Knit	26	450.00 Each
	Solid Monitor	Vented	Yes	5			1	Dome	75-20 $\pm$ 3	91	3.5k	8/4	9 x 6 x 6	Opt.	Opt.	5	300.00 Pair
	HCM 1	Vented	Yes	5			1	Dome	70-20 $\pm$ 3	89	3.5k	8/4	9 x 6 x 6	Opt.	Opt., Metal	5	400.00 Pair
	HCM 2	Vented	Yes	4			1	Dome	80-20 $\pm$ 3	87	3.5k	8/4	15 x 5 x 6	Opt.	Opt., Metal	4	200.00 Pair
ROHRER ACOUSTIC DESIGN	702	Bass Ref.	No	7			3/8	Dome	40-40	90	4.5k	8/7	41 x 19 x 12	Oak	Bk. Knit	65	1600.00 Pair
	802	Bass Ref.	No	8			1	Dome	40-25	87	3.5k	8/6	19 x 10 x 12	Oak	Bk. Knit	7	995.00 Pair
	2802	Bass Ref.	No	(2)8			1	Dome	40-25	93	3.5k	4/3	25 x 12 x 15	Oak	Bk. Knit	21	1995.00 Pair
	2702	Bass Ref.	No	(2)7			1 1/8	Dome	45-30	95	3.5k	8/7	25 x 12 x 15	Oak	Bk. Knit	21	2995.00 Pair
	2602	Bass Ref.	No	(2)6			1 1/8	Dome	30-30	93	3.5k	4/3	48 x 9 x 12	Bk. Blk.	Bk. Knit	500 Side	3600.00 Pair
	Reference System	Bass Ref.	No	(8)15	(12)6	Cones	(16) 1/4x3	Ribbons	16-40	100	50,5k	4/4	2 Subs. & 1 Tower Per Side	Bk. Blk.	Bk. Knit	500 Side	44,000 Sys.
	Reference Line Source	Bass Ref.	No	(12)6			16x3	Ribbon	40-40	96	3.5k	8/7	80 x 14 x 12	Bk. Blk.	Bk. Knit		29,500 Pair
	Reference Subwoofer	Bass Ref. Sub.	No	(2)15					16-125 Hz	92		4/3	25 Dia. x 80	Bk. Blk.	Bk. Knit		5900.00 Pair
	10	Bass Ref. Sub.	No	10					30-125 Hz	92	125	4/3	18 x 18 x 18	Oak	Bk. Knit		895.00 Each
	1201	Bass Ref. Sub.	No	12					16-100 Hz	90		8/6	19 Dia. x 82	Bk. Cloth	Bk. Knit	70	1800.00 Pair
21201	Bass Ref. Sub.	No	(2)12					16-100 Hz	90		4/3	19 Dia. x 82	Bk. Cloth	Bk. Knit	80	2700.00 Pair	
21501	Bass Ref. Sub.	No	(2)15					14-100 Hz	92		8/4	25 Dia. x 82	Bk. Cloth	Bk. Knit	100	4800.00 Pair	
212	Pas Rad. Sub.	No	(2)12					16-125 Hz	93	125	4/3	24 x 24 x 24	Bk. Blk.	Bk. Knit		1595.00 Each	
412	Pas Rad. Sub.	No	(4)12					16-125 Hz	96	125	4/3	32 x 32 x 32	Bk. Blk.	Bk. Knit		2400.00 Each	
ROKSAN AUDIO	Rok one		Yes	6				Dome	40-70 +0,-6	87	2.5k						
	Ojan 3		No	8				Dome	30-20 +0,-6	87	2.5k						
	Ojan 3X		No	8				Dome	30-20 +0,-6	87	2.5k						
	Ojan 3S	Sub.	No	8					20-160 Hz +0,-6	87	130						
ROSSMAN AUDIO	SA.5a	Powered, Vented	No	5			1	Dome	55-20 $\pm$ 3	2.3k				Bk. Lam.	Bk. Knit		550.00 Pair
	SA1.0	Powered, Vented	No	8			1	Dome	40-20 $\pm$ 3	2.3k				Bk. Lam.	Bk. Knit		650.00 Pair
RUARK ACOUSTICS	Dialogue One	Clr. Ch., Inf. Baf.	Yes	(2)5			1 1/8	Dome	65-20 $\pm$ 3	90		8/	19 x 7 x 8	Opt.	Bk. Knit	17	599.00 Each
	Icon	Bass Ref.	No	5			1	Dome	58-20 $\pm$ 3	88		8/	7 x 14 x 10	Opt.	Bk. Knit	13	699.00 Pair
	Sabre	Inf. Baf.	No	6 1/2			1	Dome	60-20 $\pm$ 3	87		8/	9 x 15 x 11	Opt.	Bk. Knit	17	899.00 Pair
	Templar II	Inf. Baf.	No	6 1/2			1	Dome	50-20 $\pm$ 3	88		8/	8 x 28 x 10	Opt., Wood	Bk. Knit	28	1200.00 Pair
	Sceptre	Bass Ref.	Yes	6 1/2			1 1/8	Dome	50-20 $\pm$ 3	88		8/	8 x 15 x 11	Opt.	Bk. Knit	20	1300.00 Pair
	Talisman II	Bass Ref.	No	6 1/2			1	Dome	48-20 $\pm$ 3	88		8/	9 x 33 x 13	Opt.	Bk. Knit	44	1700.00 Pair
	Prologue One	Bass Ref.	Yes	(2)5			1 1/8	Dome	45-20 $\pm$ 3	89		8/	7 x 35 x 11	Opt., Wood	Bk. Knit	40	1900.00 Pair
	Broadsword	Inf. Baf.	No	3			1	Dome	50-20 $\pm$ 3	85		8/	12 x 17 x 15	Wal.	Bk. Knit	24	2000.00 Pair
	Paladin	Bass Ref.	No	8 1/2	1 1/2	Cone	1	Dome	38-30 $\pm$ 3	89		8/	12 x 35 x 15	Opt.	Bk. Knit	62	2500.00 Pair
	Crusader II	Bass Ref.	No	6 1/2	3	Dome	1	Dome	45-20 $\pm$ 3	88		6/	9 x 36 x 13	Opt., Wood	Bk. Knit	66	3300.00 Pair
	Equinox	Bass Ref.	No	6 1/2			1	Dome	45-20 $\pm$ 3	87	2.6k	6/	10 x 35 x 13	Opt.	Bk. Knit	66	4000.00 Pair
	Accolade	Bass Ref.	No	11 1/2	3	Dome	1 1/8	Dome	35-20 $\pm$ 3	89	500,3.5k	8/	12 x 39 x 15	Opt.	Bk. Knit	88	6000.00 Pair
	Excalibur	Bass Ref.	No	8	3	Dome	1 1/8	Dome	30-20 $\pm$ 3	90	500,3.8k	4/	12 x 50 x 20	Opt.	Bk. Knit	176	15,000 Pair
Epilogue	Bass Ref.	Opt.	5			3/4	Dome	50-20 $\pm$ 3	87	3.2k	8/	7 x 11 x 8	Opt., Wood	Bk. Knit	17	499.00 Pair	
Logarithm	Sub.	No	(2)8									12 x 20 x 30					
RUSSOUND	SP501	In-Wall		5 1/4	5 1/4		2 1/4	Dome	70-18	88		8/4	7 x 10 x 3	Wht. Plast.	Wht. Steel	5	109.95 Each
	SP502	In-Wall						Dome	70-20 $\pm$ 5	90	3k	8/4	7 x 10 x 3	Wht. Plast.	Wht. Steel	5	99.95 Each
	SP503	In-Wall/In-Ceiling			5 1/4				70-18 $\pm$ 5	88		8/4	7 Dia. x 3	Wht. Plast.	Wht. Metal	3	79.95 Each
	SP504	In-Wall/In-Ceiling			5 1/4				70-18 $\pm$ 5	88		8/4	7 Dia. x 4	Wht. Plast.	Bk. Metal	3	89.95 Each
	SP523	In-Ceiling, Coaxial		5 1/4			3/4	Dome	68-21 $\pm$ 5	91		8/4	7 Dia. x 3	Wht. Plast.	Wht. Plast.	4	89.95 Each
	SP524	In-Ceiling, Coaxial		5 1/4			3/4	Dome	68-21 $\pm$ 5	91		8/4	7 Dia. x 4	Wht. Plast.	Bk. Plast.	4	99.95 Each
	SP602	In-Wall		6 1/2			2 1/4	Dome	55-20 $\pm$ 5	90	3k	8/4	7 x 10 x 3	Wht. Plast.	Wht. Steel	6	124.95 Each
	SP652	In-Wall		6 1/2			1	Dome	40-22.5 $\pm$ 5	90	2.5k	8/4	7 x 10 x 3	Wht. Plast.	Wht. Steel	7	179.95 Each
	SP691	In-Wall; Sub.		6x9					28-90 Hz	90	90	8/4	7 x 10 x 3	Wht. Plast.	Wht. Steel	9	229.95 Each
	SP692	In-Wall; Sub.		6x9					28-90 Hz	90	90	8/4	7 x 10 x 3	Wht. Plast.	Wht. Steel	9	295.00 Each
SANSUI	SAS-3/LH-3	Ac. Sus.	No	6 1/2			1	Dome	40-30	88		6/	9 x 14 x 12	Cherry	Bk. Knit	26	919.00 Pair
	S-1900V	Ac. Sus.	Yes	8 1/2			1	Dome	36-20	88		8/	13 x 43 x 13	Bk. Blk.	Bk. Knit	27	659.00 Pair
	S-T800VN	Ac. Sus.	Yes	7 3/8			1	Dome	40-22	91		8/	9 x 42 x 10	Bk. Blk.	Bk. Knit	21	539.00 Pair
	SW-X1	Sub.	No	10					20-200 Hz			4/	17 x 15 x 19	Bk. Blk.		40	289.00 Each
	S-U990	Ac. Sus.	Yes	12	4	Cone	1	Dome	40-22	91		6/	14 x 25 x 12	Wood Vinyl	Bk. Knit	18	399.00 Pair
	S-U880	Ac. Sus.	Yes	10	4	Cone	1	Dome	50-22	90		6/	13 x 23 x 12	Wood Vinyl	Bk. Knit	26	279.00 Pair
	S-U660	Ac. Sus.	Yes	6 1/2			2, 3/4	Dome	50-20	89		6/	9 x 17 x 8	Wood Vinyl	Bk. Knit	11	179.90 Pair
SAS-50CS	Clr. & Surround Ch.	Yes		(2)2,4	Cones			80-20	86		6/	Three Pieces	Bk. Blk.	Bk. Knit	11	139.00 Sys.	
SAS-5070B	Ac. Sus.	No		(3)4	Cones			60-20	86		6/	Three Pieces	Bk. Blk.	Bk. Knit	21	149.00 Sys.	
SAS-30CS	Ac. Sus.	Yes		(3)5	Cones			95-18	88		8/	Three Pieces	Bk. Blk.	Bk. Knit	12	79.00 Sys.	
SHT30	Front Ch., Surround Ch. & Sub.; Ac. Sus.	Yes	5			2	Cone	40-18	87		8/	Six Pieces	Bk. Blk.	Bk. Knit	42 Sys.	249.00 Sys.	
SASAKI ACOUSTICS	CB 300M	Glass Sphere		5 1/4			1/2	Dome	75-20	91	6k	4/4	11 Sphere	Clear Glass	Bk. Metal	15	1779.95 Pair
	CB 300M-B/300M-O	Glass Sphere		5 1/4			1/2	Dome	75-20	91	6k	4/4	11 Sphere	Clear Glass	Bk. Metal	22	2599.95 Pair w/Lighted Base
	CB 250-DX	Glass Sphere	Yes	5 1/2	3 1/2		1	Dome	80-20	87	3k	4/4	9 Sphere	Clear Glass	Gray Metal	13	1099.95 Pair
	CW 160AV//CB 160AV-S	Glass Sphere			3 1/2				130-20	92		4/4	6 Sphere	Opt., Glass	Opt., Metal	4	479.95 Pair
CB 160 MX	Glass Sphere							50-200 Hz	88		4/4	6 Sphere	Clear Glass	Bk. Metal	4	449.95 Pair	
Bass-1	Sub.		(2)6 1/2							200	4/4	19 x 9 x 12	Bk. Vinyl	Bk. Vinyl	27	249.95 Each	



# DUNLAVY

## SIGNATURE COLLECTION

### Reference-Standard Loudspeakers and Cables with Accurately Documented Performance

"For audiophiles who value accuracy over euphony, products like the Dunlavy Signature SC-VI loudspeaker are a breath of fresh air in a landscape polluted by pretty-sounding panderers." and, "So, does the...SC-VI get an A-rating? Are you kidding? It gets an A+ with at least five gold stars, a bullet, and a trio of dollar signs to designate them a stone-cold bargain. Anyone, no matter how tweeky, who purchases any other more expensive large loudspeaker system withouts at least hearing a pair of properly set-up Dunlavy Signature SC-VIs is an utter fool. I'm no fool - I bought the review pair."

Steven Stone; *Stereophile*; Aug. 96, Vol. 19, No. 8

J.A...praised (the SC-I's) "clear midrange, grain-free high frequencies, high transparency, and excellent image definition. Many respondents commented upon the near-palpable soundstaging, and the SC-I's ability to deliver impressive amounts of detail without ever sounding unnatural. RD is a big adherent of the SC-I in a Home Theater setting, pointing out that it also excels as a center-channel speaker."

John Atkinson, Wes Phillips; *Stereophile*; Dec. 95, Vol. 18, No. 12

"I had the feeling that I was listening to something quite special. Having had a pair in my listening room for the past three months, I know the speaker (SC-IV) is very special. In my opinion, it's not only an outstanding speaker for anything anywhere near its price level, it's also a genuine contender for Class A status...This is a fabulous speaker! I'm buying the review pair."

Robert Deutsch; *Stereophile*; Apr. 94, Vol. 17, No. 4

"One of the finest sounding loudspeakers that I have ever heard were the Dunlavy Signature Collection SC-VI's... These are extraordinary transducers that are absolutely effortless and totally authentic in their ability to recreate the illusion of reality with distortion-free dynamic range that mimics live music and film effects. Two matched pair of SC-VIs in a home theater entertainment system would be addictively one of the ultimate home theater experiences you could package."

Gary Reber; *Widescreen Review*; Vol. 3, No. 1

"John Dunlavy has done it again...the sound from the 300-lb. SC-Vs was, in my opinion, the overall Best at a Show that had no Shortage of Great-Sounding Speakers."

Robert Deutsch; *Stereophile*; Apr. 95, Vol. 18, No. 4



#### LOUDSPEAKERS

SC-I  
SC-I/AV  
SC-II  
SC-III  
SC-IV  
SC-V  
SC-VI

#### LOUDSPEAKER CABLES

DAL-Z.6  
Interconnects  
ULC-STANDARD  
ULC-REFERENCE  
ULC-BALANCED

#### FEATURES

##### Loudspeakers

- Each loudspeaker is fully and accurately measured under laboratory conditions at a distance of 10' within a large anechoic chamber.
- Each loudspeaker is guaranteed to meet all advertised factory performance specifications.
- Every loudspeaker undergoes five pages of quality control inspection before acceptance for packaging and shipment.
- 100% incoming QC of every component to properly insure near perfect loudspeaker pair matching (.25 dB to 15kHz).
- Five year transferable limited warranty.

##### Loudspeaker Cables

- 6 Ohm characteristic impedance provides accurate, ultra-low loss match to most loudspeakers, eliminating virtually all blurring and ringing of complex musical transients.
- Extremely linear amplitude and phase response to above 1 Mhz.
- Quick change terminations allow for the ultimate in system adaptability.
- Standard (8', 12', 16', 24') and custom lengths available.
- One year limited warranty.

##### Interconnects

- Ultra low capacitance (8 pico Farads per foot) ensures distortion free signal transfer.
- Frequency, signal attenuation, and phase response are immeasurably flat from D.C. to 1 Mhz.
- Standard (1m, 2m, 3m, 7m) and Custom lengths available.
- One year limited warranty.

## DUNLAVY AUDIO LABS, INC.

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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
SCAN AMERICAN	SD-One	Inf. Baf.	4			¾	Dome	60-20	90	2.4k	4/4	6 x 9 x 7	Wal.	Blk. Knit	10	650.00 Pair	
	SD-Two	Inf. Baf.	5			¾	Dome	50-20	88	2.4k	4/4	12 x 8 x 7	Opt.	Blk.		950.00 Pair	
	SD-Three	Inf. Baf.	6			¾	Dome	40-20	89		4/4	16 x 10 x 8	Opt.	Blk. Knit		1250.00 Pair	
	SD-Four	Inf. Baf.	8			¾	Dome	25-20	89		4/4	19 x 12 x 10	Opt.	Blk. Knit		1650.00 Pair	
	SA 2.5	Ported	5½			1	Dome	55-22	86	2.5k	4/4	13 x 8 x 7	Blk.	Blk. Knit		349.95 Pair	
	SA 2.6	Inf. Baf.	6			1	Dome	40-22	87	2.5k	4/4	16 x 9 x 7	Blk.	Blk. Knit		449.95 Pair	
	SA 2.8	Inf. Baf.	8			1	Dome	30-22	89	3.5k	4/4	19 x 11 x 8	Blk.	Blk. Knit		549.95 Pair	
REW 1.6	Inf. Baf.	6			1	Dome	30-22	88	2.5k	4/4	16 x 10 x 8	Opt.	Blk. Knit		1600.00 Pair		
SEQUENCE DESIGN	200	Bass Ref.	Yes	6		1	Dome	55-20 ±5	89	5k	8/	24 x 10 x 3	Blk.	Blk. Knit	10	430.00 Pair	
	300	Bass Ref.	Yes	6		1	Dome	45-20 ±5	89	5k	8/	34 x 10 x 3	Blk.	Blk. Knit	14	540.00 Pair	
	400	Bass Ref.	Yes	6		1	Dome	40-20 ±5	89	5k	8/	40 x 10 x 3	Blk.	Blk. Knit	18	700.00 Pair	
	200C	Ctr. Ch., Bass Ref.	Yes	6		1	Dome	55-20 ±5	89	5k	8/	24 x 10 x 3	Blk.	Blk. Knit	10	270.00 Each	
	SW 120	Sub.	Yes	8				30-100 Hz ±5	86	100	8/	18 x 23 x 4	Blk.	Blk. Knit	15	575.00 Each	
SFORZANDO	JL One	Ported	No	(4)10	5¼	Cone	(2)1, (2)¾	Domes	20-30 ±1.5	90	200	8/6	Two Pieces Per Side	Opt.	Blk. Knit	380 Sys.	From 12,000 Sys. w/Xover
SHAHINIAN ACOUSTICS	Super Elf Arc	Damped Vent Pas. Rad.		5¼			1	Dome	45-19 ±3	90	4.5k	6/5	14 x 8 x 10	Opt. Wood	Opt., Knit	36	850.00 Pair
	Obelisk	Trans. Line, Pas. Rad.		8	1½	Dome	(4)¾	Domes	28-18 ±3	88	1.9k, 8k	6/4	28 x 14 x 10	Opt. Wood	Opt., Knit	42	1850.00 Pair
	Hawk Subwoofer	Double Trans. Line, Pas. Rad. Sub.		8	1½	Dome		Domes	25-500 Hz	90	250/500 (Sel.)	6/4	30 x 15 x 11	Opt., Wood	Opt., Knit	63	2100.00 Pair
	Double Eagle Subwoofer	Double Trans. Line, Pas. Rad. Sub.		(2)8				Domes	20-225 Hz	90	140/500 (Sel.)	6/3	23 x 15 x 32	Opt., Wood	Opt., Knit	105	3400.00 Pair
	Hawk Module	Diapason		(4)4	(2)1½	Domes	(4)1 (2)¾, (6)¾	Domes	250-18	90	3.5k	5/4	17 x 12 x 8	Oiled Birch	Opt., Knit	21	2800.00 Pair
Compass	Compass		(4)5¼	(2)1½	Domes	1	Dome	140-25 ±3	91	140, 4k, 7k, 11k	4/3	22 x 12 x 8	Oiled Birch	Opt., Knit	35	5300.00 Pair	
			6½					40-18 ±3	90	3.5k	6/	34 x 10 x 10	Opt., Wood	Opt., Knit	31	1450.00 Pair	
SHERWOOD	SP-212W	Powered Sub.	No	12					20-150 Hz	60-250				Blk.	Blk. Knit	39	499.00 Each
	SP-210W	Powered Sub.	No	10					20-150 Hz	60-250				Blk.	Blk. Knit	30	400.00 Each
	SP-180W	Powered Sub.	No	8					25-150 Hz	60-250				Blk.	Blk. Knit	21	350.00 Each
	SP-165W	Powered Sub.	No	6½					25-150 Hz	60-250				Blk.	Blk. Knit	17	175.00 Each
	SP-155W	Powered Sub.	No	6½					25-150 Hz	60-250				Blk.	Blk. Knit	15	100.00 Each
	SP-450A	Systems SP-250A and SP-200 (see below)	Sats. & Sub.	8	3½	Cone	2	Cone	28-20 ±3	89	150.3k	8/6	Six Pieces	Blk.	Blk. Knit	44	449.00 Sys.
	SP-250A	Sats. & Sub.	8	3½	Cone	2	Cone	28-20 ±3	89	150.3k	8/6	Three Pieces	Blk.	Blk. Steel	27 Sys.	249.00 Sys.	
	SP-200	Ctr. & Surround Ch.	3½, 4			2, 2½	Cones	100-20 ±3	91	3k	8/6	Three Pieces	Blk.	Blk. Steel	17 Sys.	229.00 Sys.	
SP-1250	Systems SP-950 and SP-300B (see below)	Sats. & Sub.	12	3½	Cone	¾	Dome	20-22 ±3	91	150.3k	8/6	Three Pieces	Blk.	Blk. Knit	53 Sys.	699.00 Sys.	
SP-1050	Systems SP-750 and SP-300B (see below)	Sats. & Sub.	10	3½	Cone	¾	Dome	22-22 ±3	90	150.3k	8/6	Three Pieces	Blk.	Blk. Knit	45 Sys.	599.00 Sys.	
SP-950	Sats. & Sub.	12	3½	Cone	¾	Dome	20-22 ±3	91	150.3k	8/6	Three Pieces	Blk.	Blk. Knit	36 Sys.	449.00 Sys.		
SP-750	Sats. & Sub.	10	3½	Cone	¾	Dome	22-22 ±3	90	150.3k	8/6	Three Pieces	Blk.	Blk. Knit	28 Sys.	349.00 Sys.		
SP-300B	Ctr. & Surround Ch.	3½, 4			¾	Dome	100-22 ±3	91	3k	8/8	Three Pieces	Blk.	Blk. Knit	17 Sys.	249.00 Sys.		
SIGNATURE TECHNOLOGIES	Profile 1	In-Wall	6½			¾	Dome	60-20 ±3	89	6k	4/4	12 x 9 x 1		Opt.	3	399.00 Pair	
	Profile 2	In-Wall	6½			¾	Dome	60-20 ±3	89	6k	4/4	12 x 9 x 1		Opt.	3	399.00 Pair	
	Profile 3	In-Wall	8			¾	Dome	60-20 ±3	89	6k	4/4	14 x 12 x 1		Opt.	7	499.00 Pair	
	Profile LF	In-Wall; Sub.	10					32-2	91		4/4	12 x 12 x 1		Opt.	14	299.00 Each	
	SRM 7.1	Ac. Sus.	Opt. 6			¾	Dome	60-20 ±3	89	6k	4/4	15 x 9 x 13	Oak	Blk. Knit	20	499.00 Pair	
	SRM 5.1	Tuned Port	Opt. 1			1	Dome	33-25 ±3	90	4k	4/4	22 x 9 x 13	Oak	Blk. Knit	25	699.00 Pair	
	SRM 2.1	Tuned Port	Opt. (2)6			1	Dome	33-25 ±3	91	4k	4/4	40 x 9 x 13	Oak	Blk. Knit	56	1499.00 Pair	
	SRM 1.5	Powered Woofer; Tuned Port; Ac. Sus.	Opt. (2)6	6½	Cone	1	Dome	22-24 ±3	91	100.3k	6/3	47 x 14 x 19	Oak	Blk. Knit	145	3495.00 Pair	
	SRM 1.5P	Tuned Port; Ac. Sus.	Opt. (2)10	6½	Cone	1	Dome	22-24 ±3	92/90	80.4k (Ext.)	4/4	47 x 14 x 19	Oak	Blk. Knit	145	2495.00 Pair	
	SRM .9	Tuned Port; Ac. Sus.	Opt. (2)10	6½	Cone	1	Dome	22-24 ±3	92/90	80.4k (Ext.)	4/4	65 x 14 x 19	Oak	Blk. Knit	165	6500.00 Pair; Requires Elec. Xover	
SIGNET	BiRad	Surround Ch.	No	(2)5¼		(2)¾	Domes	55-20	89		4/	13 x 11 x 7	Opt.	Opt., Knit	14	400.00 Pair	
	SLC40	Ctr. Ch.	Yes	(2)4		¾	Dome	50-20	89		6/	5 x 20 x 10	Blk.	Blk. Knit	18	189.00 Each	
	SLC50	Ctr. Ch.	Yes	(2)5¼		¾	Dome	50-20	89		6/	7 x 18 x 9	Blk.	Blk. Knit	20	220.00 Each	
	SP100/II	Powered Sub.	No	12				20-180 Hz					Blk.	Blk. Knit	67	600.00 Each	
	SP200/II	Powered Sub.	No	15				40-180 Hz					Blk.	Blk. Knit	86	750.00 Each	
	VL310	Powered Sub.	Yes	10	6½	Cone	1	Dome	35-20	92		4/	8 x 37 x 13	Opt.	Blk. Knit	50	From 850.00 Pair
	VLC266	Ctr. Ch.	Yes	(2)6½			1	Dome	50-20	90		4/	8 x 20 x 10	Opt., Blk.	Blk. Knit	27	From 300.00 Each
	SP99	Powered Sub.	No	10			(2)¾	Domes	30-180 Hz	89		4/	18 x 12 x 16	Blk.	Blk. Knit	45	450.00 Each
	VL BiRad	Surround Ch.	No	(2)5¼		¾	Dome	55-20	89		4/	13 x 11 x 7	Blk. Gloss	Blk. Knit	14	540.00 Pair	
	VLC50	Ctr. Ch.	Yes	(2)5¼		¾	Dome	50-20	89		6/	7 x 18 x 9	Blk. Gloss	Blk. Knit	20	250.00 Each	
	SL388	Bass Ref.	Yes	(2)8	4	Cone	1	Dome	30-20	91		4/	11 x 40 x 12	Blk.	Blk. Knit	50	1200.00 Pair
	SL266	Bass Ref.	Yes	(2)6½			1	Dome	35-20	91		8/	8 x 37 x 13	Opt.	Blk. Knit	50	800.00 Pair
SL260/MKII	Bass Ref.	No	6½			1	Dome	45-25	87		8/	8 x 16 x 13	Opt.	Blk. Knit	23	600.00 Pair	
SL256		No	6½			¾	Dome	45-20	89		8/	8 x 13 x 12	Opt.	Blk. Knit	19	380.00 Pair	
SL252		No	6½			¾	Dome	45-20	88		8/	8 x 12 x 12	Opt.	Blk. Knit	14	280.00 Pair	
SL240		Yes	5¼			¾	Dome	65-20	88		8/	7 x 10 x 6	Opt.	Opt., Knit	8	240.00 Pair	
SILVERLINE AUDIO TECHNOLOGY	SR 12	Bass Ref.	Yes	4½		1¼	Dome	50-22 ±3	86	2.7k	8/4	11 x 6 x 8	Lam.	Opt., Wood	12	2000.00 Pair	
	SR 17	Bass Ref.	No	6		1¼	Dome	40-22 ±3	89	2.7k	8/4	13 x 7 x 13	Opt., Wood	Opt., Wood	26	1200.00 Pair	
	SC 17	Sealed	No	6		1¼	Dome	45-22 ±3	86	2.7k	8/4	13 x 7 x 12	Opt., Wood	Opt., Wood	24	1800.00 Pair	
	Panatella	Bass Ref.	Yes	(2)4½		1¼	Dome	40-22 ±3	89	2.5k	8/6	38 x 6 x 10	Opt., Wood	Opt., Wood	45	2000.00 Pair	



When you've got questions about Audio and Video,

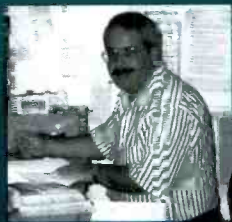
Presented by

AUDIO

# see a specialist

**Q** What should you expect from an entertainment system purchased from a Hi-Fi specialist?

**A** You should expect a system to reproduce the wide dynamics, subtle nuances and give you that "you are there" experience. This goal can be achieved by being made aware of a few but important factors. Hi-fi specialists take the time and effort to audition many brands of products and carefully put them together in a variety of performance levels to create long term and satisfying sound systems. They do the homework for you. When auditioning sound systems, use live acoustic music as a reference. This will help you to identify equipment which is more accurate and emotionally involving. Make sure the equipment is hard wired directly from one component to another, and not through a switching device (more differences in components will be revealed). Be prepared to spend a fair amount of time with your hi-fi specialist, several visits may be required. This allows for a complete exchange of information and helps build trust between parties. If you trust a hi-fi specialist for their honesty, integrity and knowledge, the equipment that they recommend will give you many years of reward.



—Steve Komirs  
Audio Visions  
West Babylon, NY

**AudioVisions**

**Q** What is the difference between Dolby Digital and DTS?

**A** Actually, Dolby Digital and DTS are common in more ways than they are different. They are both digital surround formats capable of carrying up to six discrete channels of high quality audio. They both use compression schemes to greatly reduce the amount of data that would normally be required to carry the multichannel audio. However, it is these compression schemes that make the two formats differ. Dolby Digital, which is currently available on select Laserdiscs and all DVDs, has a data transfer or bit rate of 384Kbps. DTS, on the other hand, currently not available on DVDs and only on certain Laserdiscs, has a much higher bit rate of about 1.4Mbps. In either case, both formats deliver on bringing the digital theater experience into the home.

—Tom Agobelli  
Woodbridge Stereo/Video  
West Caldwell, NJ



**WOODBIDGE**  
STEREO / VIDEO

Each month, Audio Magazine's feature "See a Specialist" showcases the finest audio/video dealers from across the country. The dealers, chosen as a result of recommendations from equipment manufacturers, Audio Magazine staff and industry organizations, exemplify the best audio/video dealers from New York to California. The chosen dealers offer solutions to problems that can best be handled by a specialty audio/video retailer.

If you would like to submit questions to dealers in your area please write to:  
See a Specialist, c/o Audio Magazine, 1633 Broadway, NY, NY 10019

# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
SIMPLY-PHYSICS	SFB-D12	Sub.		(2)12					18-200 Hz ±2.5	86			48 x 14 x 18	Opt.	Opt.	125	5000.00 Pair	
SNELL ACOUSTICS	Type A Reference System	2 Towers & 2 Subs.	No	18, (4)6½	(2)5¼	Cones	1½, 1	Domes	17-20 ±1.5	87	80,350, 2.8k	8/5	Four Pieces	Opt.	Blk. Knit	530 Sys.	18,999 Sys. w/Covers	
	Type B Minor Type C/V Type D	Inf. Baf. Bass Ref. In-Wall	No No No	12 (2)8 8	(2)5¼ (2)5	Cones Cones Cone	(2)1 (2)1 (2)1	Domes Domes Domes	28-23 ±3 30-22 ±3 36-20 ±1.75	90 90 89	275,2.7k 300,2.8k 275,2.8k	9/5 8/5 8/5	48 x 10 x 16 47 x 11 x 18 43 x 11 x 13	Opt. Opt. Opt.	Blk. Knit Blk. Knit Blk. Knit	110 113 90	3699.00 Pair 2599.00 Pair 1799.00 Pair	
	AMC-450 K.5 Monitor CR.5 E.5 Tower SR.5 Surround	Inf. Baf. Bass Ref. In-Wall	Yes Yes Yes	6½ 6½ 5¼				½ 1 1	Dome Dome Domes	60-20 ±3 48-20 ±3 76-20 ±3	90 86 89	2.7k 2.8k 250,2.8k	8/4 8/4 8/	11 x 8 x 3 18 x 9 x 12 11 x 17 x 9	Whit. Blk. Beech Blk. Beech	Whit. Blk. Steel Blk. Steel	7 25 17	279.00 Each 400.00 Each 500.00 Each
	PS.10	Bipolar Surround for K.5 & E.5 Powered Sub.	Yes	5¼	(2)6½		(2)3½		Domes	37-20 ±3 70-20	89 90	250,2.4k 400	4/8/	43 x 9 x 12 14 x 7 x 8	Blk. Beech Blk. Steel Opt., Cloth	Blk. Steel Blk. Steel	48 12	600.00 Each 700.00 Pair
				Yes	10					32-200 Hz ±3		Var.		16 x 15 x 16	Blk.	Blk. Cloth	65	1200.00 Each
SNELL MUSIC & CINEMA	MC Reference Tower	THX; Inf. Baf.	No	(4)6½	(2)5¼	Cones	(3)1	Domes	80-20 ±2	87	350,2.8k	8/5	63 x 9 x 12	Opt.	Blk.	145	6999.00 Each	
	MC Reference LCR 2800	THX; Inf. Baf.	Yes	(2)8	(2)5	Cones	(3)1	Domes	80-20 ±2	87	350,2.8k	8/5	19 x 23 x 12	Opt.	Blk.	64	4799.00 Each	
	MC Reference SUR 2800	THX; Dipole Surround; Bass Ref.	No	8	(2)6½	Cones	(2)1	Domes	36-20 ±3	86	120,300, 2.7k	8/4,5	87 x 11 x 8	Opt.	Blk.	110	3099.00 Each	
	LCR 500 SUR 500	THX; Ac. Sus. THX; Dipole Surround	Yes No	(2)6½ (2)6½			(2)¾ (2)1	Domes Domes	80-20 ±3 125-20 ±3		2.7k 300,2.7k	8/4 8/4	22 x 10 x 7 17 x 10 x 8	Opt. Opt.	Blk. Knit Blk. Knit	35 35	899.00 Each 899.00 Each	
	SUB 550 HCC 500	THX; Sub.	No	12	(2)6½		(2)¾	Domes	20-80 Hz ±3		2.7k	8/8	23 x 19 x 12	Opt.	Blk. Knit	60	549.00 Each	
	LCR 800 SUR 850 SUR 800	THX; In-Wall THX; In-Wall In-Wall; Dipole Surround	Yes Yes No	(2)6½ (2)6½ 5	(2)5¼	(2)4¼	(2)¾ (2)¾ (2)1	Domes Domes Domes	80-20 ±3 80-20 ±2 120-20 125-20	89 89 88	2.7k 2.7k 300,2.8k 300,2.8k	8/4 8/4 8/4 4/	10 x 22 x 7 22 x 12 x 3 22 x 13 x 4 12 x 25 x 3	Opt. Opt. Metal Opt.	Blk. Knit Blk. Knit Blk. Steel Blk. Opt.	35 26 24 24	899.00 Each 899.00 Each 1099.00 Each 1599.00 Each 1399.00 Each	
	SUB 800 HCC 800 SUB 1800	THX; In-Wall; Sub. In-Wall; Ctr. Ch. THX; Sub.	Yes No	12 (2)6½ 18	(2)6½		(2)¾	Domes	20-80 Hz ±2 80-20 ±2 17-80 Hz ±2	89 89 90	2.7k	8/4 4/8/	53 x 14 x 7 12 x 22 x 3 45 x 21 x 16	Blk. Metal Opt.	Blk. Knit Opt. Blk.	80 26 180	799.00 Each 1099.00 Each 2499.00 Each	
	SOLILOQUY LOUD-SPEAKERS	8.2	Tuned Pipe	No	8¼			1½	Dome	29-19 ±3	91	2.7k	8/7,4	44 x 10 x 12	Opt.	Blk.	102	4495.00 Pair
5.2		Tuned Pipe	No	5¼			1	Dome	40-21 ±3	89	3.1k	8/7,2	41 x 7 x 8	Opt.	Blk.	38	2495.00 Pair	
SOLUS	id6	In-Wall; Inf. Baf.	No	6½			1	Dome	58-25 ±3	90	2.5k	8/6	9 x 13	Whit. ABS	Metal	10	699.00 Pair	
	id8	In-Wall; Inf. Baf.	No	8			1	Dome	50-25 ±3	91	2.5k	8/6	11 x 14	Whit. ABS	Metal	12	899.00 Pair	
	ir6	In-Wall; Inf. Baf.	No	6½			5	Ribbon	58-50 ±3	90	2k	8/6	9 x 13	Whit. ABS	Metal	15	1049.00 Pair	
	ir8	In-Wall; Inf. Baf.	No	8			7	Ribbon	50-50 ±3	91	2k	8/6	11 x 14	Whit. ABS	Metal	18	1199.00 Pair	
SONANCE	EC300	Sealed	Yes	5			¾	Dome	55-20 ±3	90		8/5,5	8 x 11 x 7	Whit. Metal		499.00 Pair		
	EC200	Sealed	Yes	5			¾	Dome	60-20 ±3	89		8/5,5	8 x 11 x 7	Whit. Metal		379.00 Pair		
	EC100	Sealed	No	5			¾	Dome	65-20 ±3	88		8/5,5	8 x 11 x 7	Whit. Metal		279.00 Pair		
	TR4000	In-Wall; Inf. Baf.	No	6½			1	Dome	38-20 ±2	89		6/4	10 x 3	Opt.		599.00 Pair		
	TR3000	In-Wall; Inf. Baf.	No	6½			1	Dome	40-20 ±3	89		6/4	10 x 3	Opt.		399.00 Pair		
	TR2000	In-Wall; Inf. Baf.	No	6½			¾	Dome	45-20 ±3	89		8/	10 x 3	Opt.		279.00 Pair		
	TR1000	In-Wall; Inf. Baf.	No	6½			¾	Dome	55-20 ±5	88		8/	10 x 3	Opt.		206.00 Pair		
	T4000	In-Wall; Inf. Baf.	No	6½	2½	Cone	¾	Dome	40-20	90	1.5k,5.5k	6/4	8 x 12 x 3	Opt.		749.00 Pair		
	T3500	In-Wall; Inf. Baf.	No	6½	2½	Cone	¾	Dome	45-20	90	1.5k,5.5k	8/6	8 x 12 x 3	Opt.		599.00 Pair		
	T3000	In-Wall; Inf. Baf.	No	6½	2½	Cone	¾	Dome	55-20	89	1.5k,5.5k	8/	8 x 12 x 3	Opt.		449.00 Pair		
	T2000	In-Wall; Inf. Baf.	No	6½	2½	Cone	¾	Dome	55-20	89	3.5k	8/	8 x 12 x 3	Opt.		349.00 Pair		
	T1000	In-Wall; Inf. Baf.	No	6½	2½	Cone	¾	Dome	60-20	89	3.5k	8/	8 x 12 x 3	Opt.		239.00 Pair		
	D8001	In-Wall; Inf. Baf.	No	8	2½	Cone	1	Dome	30-21 ±2	92		8/6	10 x 16 x 3	Opt.		1799.00 Pair		
	D7001	In-Wall; Inf. Baf.	No	8	2½	Cone	¾	Dome	32-20 ±2	91		6/4	10 x 16 x 3	Opt.		1099.00 Pair		
	D6001	In-Wall; Inf. Baf.	No	8	2½	Cone	¾	Dome	35-20 ±3	90		8/6	10 x 16 x 3	Opt.		899.00 Pair		
	D5001	In-Wall; Inf. Baf.	No	8	2½	Cone	¾	Dome	39-20 ±3	90		8/6	10 x 16 x 3	Opt.		699.00 Pair		
	M300V	In-Wall; Inf. Baf.	No	4			½	Dome	65-20 ±2	88	3.5k	8/7	6 x 10 x 4	Whit.		4	289.00 Pair	
	M200	In-Wall; Inf. Baf.	No	4			½	Dome	70-20 ±3	87	3.5k	8/6	6 x 10 x 4	Whit.		3	202.00 Pair	
	M100	In-Wall; Inf. Baf.	No	4			½	Dome	70-15 ±5	87		8/7	6 x 10 x 4	Whit.		3	119.00 Pair	
	DL1200	Powered, Pas. Rad. Sub.	Yes	12	4				25-140 Hz ±3		40-150 (Adj.)		20 x 21 x 20	Blk. Knit		73	999.00 Each	
DL1000	Powered, Pas. Rad. Sub.	Yes	10					30-140 Hz ±3		40-150 (Adj.)		17 x 18 x 17	Blk. Knit		59	799.00 Each		
DL800	Powered, Pas. Rad. Sub.	Yes	8					40-140 Hz ±3		40-150 (Adj.)		14 x 17 x 13	Blk. Knit		39	649.00 Each		
DL10	Powered, Sealed Sub.		10					35-140 Hz ±3		40-150 (Adj.)		14 x 14 x 12	Blk. Knit		36	399.00 Each		
PSWD8	In-Wall; Sub.		8					33-125 Hz ±3		125		10 x 16 x 3	Whit.		10	329.00 Each		
SONUS FABER BY SUMIKO	Solo Concerto	Ctr. Ch.; Ac. Sus.	Yes	(2)7			¾	Dome	45-20 ±3	87	8/6	8/6	22 x 9 x 9	Leather Opt.	Blk. Knit	22	995.00 Each	
	Concerto	Ported Pas. Rad.	Yes	7			¾	Dome	45-20 ±3	87	8/6	8/6	9 x 14 x 15	Blk. Lacq.	Blk. Silk	20	1850.00 Pair	
	Concerto Grand Piano	Ported	Yes	7			¾	Dome	40-20 ±3	87	8/6	8/6	10 x 12 x 40	Blk. Silk	Blk. Silk	60	3500.00 Pair	
	Guarneri	Ported		6			1	Dome	46-20 ±2	88	8/4	8/4	8 x 13 x 15	Wal.	Blk. Metal	137	9000.00 Pair	
	Homage	Ported		4½			1	Dome	60-20 ±3	84	8/4	8/4	8 x 12 x 10	Wal.	Blk. Silk	17	1800.00 Pair	
	Minima Concertino	Sealed		5½			¾	Dome	50-20 ±2	86	8/6	8/6	9 x 13 x 11	Opt.	Blk. Silk	17	995.00 Pair	
	Extrema	Ported		7½			1¼	Dome	27-30 ±2.5	88	2.2k	4/3,5	18 x 11 x 22	Opt.	Blk. Silk	87	9890.00 Pair	
	Electa Amator	Ported		7			1¼	Dome	42-30 ±2.5	89	2.2k	6/4	14 x 8 x 10	Opt.	Blk. Silk	35	5000.00 Pair	
Minima Amator	Ported		5½			1	Dome	55-25 ±3	88	2.4k	6/4	11 x 8 x 9	Opt.	Blk. Silk	21	2500.00 Pair		
SONY	SS-U6033		No	12	4	Cone	2	Cone	35-20	91	8/	8/		Blk. Ash	Blk. Knit	12	149.00 Pair	
	SS-U4033		No	8	2	Cone	2	Cone	50-20	90	8/	8/		Blk. Ash	Blk. Knit	7	99.00 Pair	
	SS-U3033		No	6½		Cone	2	Cone	60-20	89	8/	8/		Blk. Ash	Blk. Knit	6	79.00 Pair	
	SS-AV55		No	(2)6½		Dome	1	Dome	30-20		8/6	8/6	8 x 41 x 11	Gray Vinyl	Gray Knit	32	400.00 Pair	
	SS-AV33	Bass Ref.	Yes	(2)6½		Dome	1	Dome	45-20		8/	8/		Gray Vinyl	Blk. Knit	9	300.00 Pair	



## Receivers

Technics



### Technics SA-EX110

A/V Receiver  
 • 100 watts per channel • Digital tuner with 30 AM/FM presets  
 • 4-audio/1-VCR audio signal inputs • A/V remote control

**\$159<sup>99</sup>** (TEC SAEX110)

**Technics SA-EX310**  
 • Home Theater, 70w x 2 or 70w x 4, Dolby Pro Logic, Dolby 3 stereo, A/V remote ..... **'199'**

**Sherwood RV-7050R**  
 • 110w x 2 or 80w x 3 + 60w-rear, Dolby Pro Logic, Dolby Processor w/5 DSP modes, remote ..... **'269'**

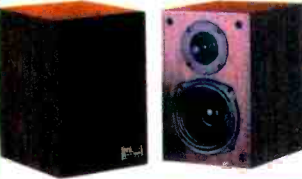
**Technics SA-EX510**  
 • Home Theater, 120w x 2 or 120w x 4, Dolby Pro Logic, Dolby 3 stereo, A/V remote ..... **'299'**

**Technics SA-AX710**  
 • Home Theater, 120w x 2 or 100w x 5, Dolby Pro Logic, remote ..... **'349'**



## Compact Audiophile Speakers from England

TDL ELECTRONICS



### TDL NFM 1

#### Near Field Monitor Speakers

Despite the small size, these speakers deliver a very high level of accuracy with life-like stereo imaging • Music seems to originate from your room; not from the enclosure • Reflex loading system • 2-way • 5" woofer • 3/4" ferro-fluid cooled dome tweeter • 8 ohm impedance • Recommended power: 15-60 watts • Designed for bookshelf or stand mounting • Black ash or rosewood finish

**\$299<sup>00</sup>/pr.**

(TDL NFM1-BK)/Black (TDL NFM1-RO)/Rosewood

## Audiophile

dynaco

**50% OFF**  
 Mfr. Sug. Retail of (\$999)



### Dynaco PAS-4

Vacuum Tube Preamplifier  
 • Exceptional sound quality at a great price • Full-featured design with MM phono preamp, tape dubbing & on/off mute (eliminates thumps)

**\$499<sup>50</sup>** (DYO PAS4)

**AudioSource AMP Three**  
 • Power Amp, 150 watts/channel, switchable to 400 watts mono ..... **'399'**

**Dynaco Stereo 200**  
 • Power Amp, 100 watts/channel, A/B speaker selector ..... **'399'**

**AudioSource PreAmp/Tuner Two**  
 • Preamp & AM/FM tuner with 18 station memory, includes phono & video inputs, remote ..... **'399'**

**Koss ESP/950**  
 • Electrostatic, Headphones, straight-line response with amp, external battery & carrying case **'499'**

## CD Players/Changers

PHILIPS MAGNAVOX



### Magnavox CDC72517

5-Disc CD Changer  
 • Change 2 discs while 1 plays  
 • 32-track multi-disc programming  
 • Repeat play • Remote control

**\$109<sup>99</sup>** (MAG CDC72517)

**JVC XL-V282**  
 • Single-disc player, 32-track programming, disc stabilizer, remote ..... **'149'**

**Technics SL-PD887**  
 • 5-disc changer, 32-track programming, delete programming, remote control ..... **'169'**

**Dynaco CDV-2**  
 • Single-disc, vacuum tube output stage, 20-track programming, remote ..... **'599'**

**Dynaco CDV-PRO**  
 • Single-disc, vacuum tube output stage, HDCH (high-definition), remote ..... **'799'**

## Cassette Decks

TEAC



### TEAC V-8030S

Stereo Cassette Deck  
 • 3-heads/motors • Quartz lock dual capstan drive • Dolby S/B/C/HX-Pro • CD direct input  
 • Remote • 110/220 volts

**\$699<sup>99</sup>** (TEA V8030S)

**TEAC V-377**  
 • Dolby B, 1-touch record, peak-level meters, 110/220v ..... **'69'**

**Technics RS-TR575**  
 • Dual auto-reverse record & play, Dolby B/C/HX-Pro, feather-touch controls ..... **'219'**

**TEAC V-1030**  
 • 3-heads, Dolby B/C/HX-Pro, fine bias, electronic tape counter, remote, 110/220v ..... **'299'**

**TEAC W-6000R**  
 • Dual auto-reverse, Dolby B/C/HX-Pro, 4 motors, pitch control, remote ..... **'449'**

## Mini Systems

BOSE



### Bose Lifestyle 3-II

Music System  
 • AM/FM tuner & CD player  
 • 2 tiny cube speakers & Acoustimass™ bass module  
 • Eia amplified • Remote works through walls • Black or white

**\$799<sup>99</sup>** (BOS LS3II-BK) (BOS LS3II-WH)

**Yamaha GX-50**  
 • 4+ watts/channel, 3-disc CD, dual auto-reverse cassette deck, remote ..... **'399'**

**Panasonic SC-AK91**  
 • 5+1 CD changer, biamp power: 25w x 2 + 75w x 2 (subwoofer), dual A/R cassette ..... **'499'**

**Danon D-C30**  
 • 45 watts/ch, 6-disc CD changer, dual A/R cassette, AM/FM, 3-way speakers, remote ..... **CALL**

**Yamaha CL-1**  
 • 85w x 3 + 15w x 2, Dolby Pro Logic, Cinema DSP CC player, AM/FM, A/R dual cassette ..... **CALL**

## Speakers

YAMAHA



### Yamaha NSA-6350

3-Way Speakers  
 • Acoustic suspension • 8" woofer • Ferro-fluid cooled midrange & tweeter • Shielded  
 • Black cabinet • 10-140 watts  
 Mfr. Sug. Retail \$175.00

**\$799<sup>99</sup>/pr.** (YAM NSA6350)

**Bose 301-IV**  
 • Direct/Reflecting™ bookshelf speakers, 2-way, black or rosewood grained cabinet ..... **'318'**

**Velodyne VA-806**  
 • Powered Subwoofer, 70 watts, 6" woofer, adj. crossovers, volume & phase, black ..... **'399'**

**Bose 501™ Series V**  
 • Direct/Reflecting™, floorstanding, 5.25" woofer, 2 tweeters, 10-200 watts, black ..... **'518'**

**Bose Acoustimass™ 10**  
 • Home Theater Speaker System, 5 tiny cube speakers + Acoustimass™ bass module ..... **'1199'**

## JBL Specials

JBL



### JBL Control LA

2-Way Mini Speakers  
 • 5.25" polypropylene woofer  
 • 0.75" titanium tweeter • 160 watts maximum • 4 ohms  
 • Shielded

**\$124<sup>99</sup>/pr.** (JBL CONTROLLA)

**JBL ARC50**  
 • 2-way, 8" woofer, titanium tweeter, black Mfr. Sug. Retail \$539.90 ..... **'179'**

**JBL SC305**  
 • Center Channel, 2-way with two 5" woofers & titanium dome tweeter, shielded, black ..... **'129'**

**JBL PSW1200**  
 • Powered Subwoofer, 120 watt amp built-in, 12" woofer, variable crossover, black ..... **CALL**

**JBL ARC90**  
 • 3-way, 10" cast-frame woofer, titanium tweeter, black Mfr. Sug. Retail \$859.90 ..... **'299'**

## Turntables

THORENS



### Thorens TD180

3-Speed Belt Drive Turntable  
 • 33, 45, 78 r.p.m. • Automatic shut-off & auto-retract  
 • Synchronous motor • External power supply • Includes Stanton cartridge

**\$299<sup>99</sup>** (THN 180)

**Aiwa PX-E850**  
 • Fully-automatic, includes built-in phono preamp & cartridge ..... **'119'**

**Technics SL-BD22K**  
 • Semi-automatic, belt drive, pitch control with strobe, accepts P-mount cartridges ..... **'154'**

**Thorens TD280 Mk IV**  
 • Belt-drive, 33/45, auto shut-off, includes Stanton cartridge ..... **'369'**

**Technics SL-1200II**  
 • Professional Manual, direct-drive, quartz lock, pitch control ..... **'479'**

## Audio/Video Add-Ons

TERK



### Terk AM-FMQ

Powered FM Indoor/Outdoor Antenna  
 • Selectable modes • Wideband enhances all radio broadcasts  
 • Narrow band locks in on precise frequencies to minimize noise & interference

**\$79<sup>99</sup>** (TRK AMFMQ)

**Sony RM-V8**  
 • Preprogrammed Universal remote, controls TV, VCR & cable box, sleep timer function ..... **'99'**

**One-For-All URC-8080**  
 • vDirector™ 8 Universal Home Theater Remote System, replaces 8 devices, backlit keyboard ..... **'59'**

**Recoton TV800**  
 • Powered Indoor Stereo AM/FM Antenna, with selectable wideband/narrow modes ..... **'69'**

**Terk TV50**  
 • Indoor/Outdoor Amplified TV Antenna, half-length design, omnidirectional, weather-proof ..... **'129'**

## Hi-Fi Stereo VCRs

Panasonic



### Panasonic PV-S7670

S-VHS Stereo Hi-Fi VCR  
 • 4 heads • Spatializer™ Audio Processing • Digital auto tracking  
 • VCR Plus+ with cable/DSS box control • Multi-brand TV/cable box remote with shuttle

**\$399<sup>99</sup>** (PAN PVS7670)

**JVC HR-VP638**  
 • 4 heads, VCR Plus+, Ultra-Spec drive, 3g/shuttle control, remote ..... **'279'**

**Panasonic PV-7662**  
 • 4 heads, VCR Plus+, color/advanced noise reduction, shuttle remote ..... **'279'**

**Sony SLV-790HF**  
 • 4 heads, VCR Plus+, enhanced menu graphics, oystek universal remote ..... **'289'**

**JVC HR-VP830**  
 • 4 heads, VCR Plus+ with cable box controller, random assemble editing, remote ..... **'379'**

## DVD Players

SONY



### Sony DVP-S7000

DVD/CD Player  
 • Over 500 lines of horizontal resolution • Plays DVD, audio CD & video CD formats  
 • Includes 4 bonus DVD discs & remote control

**CALL** (SON DVPS7000S8)

**Toshiba SD-2006**  
 • DVD/CD Player, LED display, Dolby Digital (AC-3) capable (with select receivers) ..... **'459'**

**Toshiba SD-3006**  
 • DVD/CD Player, fluorescent display, Dolby Digital (AC-3) capable (with select receivers) ..... **'579'**

**RCA RC5500P**  
 • DVD/CD Player, Built-in Dolby Digital (AC-3) decoder, shuttle control, remote ..... **'599'**

**Panasonic DVD-A300**  
 • DVD/CD Player, built-in Dolby Digital Decoder (AC-3) & karaoke functions ..... **'599'**

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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Algebraic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
SONY (Continued)	SS-CR150	Ctr. & Surround Ch.	Yes		(3)3							8/	Three Pieces	Gray	Blk. Knit	10	150.00 Sys.
	SS-CR400	Ctr. & Surround Ch.	Yes	(2)3	(2)3	Cones	1	Dome				8/	Three Pieces	Blk.	Blk. Knit	10	149.00 Sys.
	SS-CR350	Ctr. & Surround Ch.	Yes		(3)5				80-15			8/	Three Pieces	Gray	Blk. Knit	10	129.00 Sys.
	SS-FCR33	Main. Ctr. & Surround Ch. Powered Sub.	Yes	(2)6½	(2)6½, 3		(2)1	Domes	45-20			8/	Five Pieces	Gray	Blk. Knit	17	299.00 Sys.
	SA-W101		Yes	6¼						50-150	5/		Gray	Blk. Knit	27	350.00 Each	
SONY ES	SS-M9	Ported	No	(2)8	5¼	Cone	1	Dome	29-23 ±3	88.5	200,2.25k	8/	15 x 41 x 23	Cherry Ven.	Blk.	150	3500.00 Pair
	SS-M7	Sealed	No	8	4	Cone	1	Dome	47-20 ±3	86	400,4k	8/	16 x 29 x 16	Cherry Ven.	Blk.	54	1400.00 Pair
	SS-M3	Sealed	No	6½			1	Dome	70-20 ±3	85	2k	8/	12 x 18 x 14	Cherry Ven.	Blk.	29	900.00 Pair
SOUND DYNAMICS	THS-15	Powered Sub.	No	15					25-150 Hz ±3				22 x 21 x 21	Blk.	Blk.	72	850.00 Each
	THS-1000	Powered Sub.		8					37-150 Hz ±3					Blk.	Blk. Knit		300.00 Each
	THS-2000	Powered Sub.		10					28-150 Hz ±3					Blk.	Blk. Knit		400.00 Each
	THS-3000	Powered Sub.		12					22-150 Hz ±3					Blk.	Blk. Knit		600.00 Each
	RTS-3	Vented	No	5½		¾	Dome	52-20 ±3	90		8/			Opt.	Blk.	11	180.00 Pair
	RTS-5	Vented	No	6½		¾	Dome	45-20 ±3	91		8/			Opt.	Blk.	17	250.00 Pair
	RTS-7	Vented	No	(2)5½		1	Dome	38-20 ±3	91		8/			Opt.	Blk.	24	450.00 Pair
	RTS-9	Vented	No	(2)6½		1	Dome	32-20 ±3	91		8/			Opt.	Blk.	29	600.00 Pair
	RTS-11	Vented	No	(3)6		1	Dome	30-20 ±3	92		8/			Opt.	Blk.	32	800.00 Pair
	RTS-CC1	Ctr. Ch.; Sealed	Yes	(2)5½		¾	Dome	40-20 ±3	89		6/			Opt.	Blk.		300.00 Each
	RTS-RS1	Surround Ch.; Sealed	No	5½		½	Dome	90-20 ±3	88		6/			Blk.	Blk.		200.00 Pair
	A-200SR	Sat.; Sealed	Yes	3½		¾	Dome	90-20 ±3	88		6/		5 x 7 x 6	Blk.	Blk.		180.00 Pair
	A-100CC	Ctr. Ch.; Sealed	Yes	(2)3½		¾	Dome	90-20 ±3	88		6/		12 x 5 x 5	Blk.	Blk.		150.00 Each
	AP-1 System	4 Sats. & Ctr. Ch.; Sealed	Yes	(6)3½		(5)¾	Domes	90-20 ±3	88		6/		Five Pieces	Blk.	Blk.		500.00 Sys.
	300ti	Vented		8	4½	Cone	¾	Dome	34-22 ±3		6/		24 x 11 x 11	Blk.	Blk.	62	600.00 Pair
	THC-1	Ctr. Ch.		(2)4½		½	Dome	60-20	90		8/8		6 x 20 x 8	Blk. Ash	Blk. Knit	15	200.00 Each
	THC-2	Ctr. Ch.		(2)5¼		¾	Dome	50-20	88	2.5k	8/4		7 x 19 x 12	Blk. Ash	Blk. Knit	21	300.00 Each
	R-818	Bass Ref.		(2)8½		1	Dome	34-20 ±3	90	2.2k	8/6		43 x 10 x 14	Blk. Ash	Blk.		800.00 Pair
	R-616	Bass Ref.		(2)6½		1	Dome	39-20 ±3	89	2.2k	8/6		39 x 9 x 11	Blk. Ash	Blk.		650.00 Pair
	R-515	Bass Ref.		(2)5¼		1	Dome	45-20 ±3	89	2.2k	8/6		32 x 8 x 9	Blk. Ash	Blk.		55.00 Pair
R-85	Bass Ref.		8		¾	Dome	45-20 ±3	89	2.2k	6/4		19 x 10 x 10	Blk. Ash	Blk.		37.00 Pair	
R-65	Bass Ref.		8		½	Dome	48-20 ±3	87	2.5k	6/4		13 x 8 x 10	Blk. Ash	Blk.		230.00 Pair	
R-55	Bass Ref.		5¼		½	Dome	60-20 ±3	86	3.5k	6/4		11 x 8 x 10	Blk. Ash	Blk.		180.00 Pair	
Cinesat-2	Bass Ref.	Yes	4½		½	Dome	140-22	86	3.5k	8/6		8 x 5 x 5	Opt.	Opt.	5	275.00 Pair	
Cinesub	4th Order Bandpass Sub.		(2)6½				45-140 Hz	86	140	6/4		13 x 7 x 16	Blk. Ash	Blk.	20	220.00 Each	
65 S	Bass Ref.		(2)12	4½	Cone	½	Dome	30-20	94	800,3.5k	8/4	42 x 14 x 11	Blk. Ash	Blk.	49	600.00 Pair	
45 S	Bass Ref.		12	4½	Cone	½	Dome	35-20	94	800,3.5k	8/4	32 x 14 x 11	Blk. Ash	Blk.	33	500.00 Pair	
SOUND LAB	Dynastat	Electrostatic & Dynamic Hybrid	No	10½			48x10	ES	28-22 ±2	88	250	8/4	72 x 17 x 3	Opt., Wood	Opt.	75	3390.00 Pair
	A-1	Electrostatic	Yes						30-22 ±2	86	50/3		81 x 35 x 11	Opt., Wood	Opt.	185	13,250 Pair
	Pristine III+	Electrostatic	Yes						30-22 ±2	86	50/3		68 x 26 x 24	Satin Blk.	Opt.	145	7950.00 Pair
	A-3	Electrostatic	Yes						32-22 ±2	86	50/3		73 x 35 x 11	Opt., Wood	Opt.	145	9650.00 Pair
	Ultimate 3	Electrostatic	Yes						28-22 ±2	88	50/3		77 x 21 x 9	Blk. Gloss	Blk. Spandex	185	16,500 Pair
	Ultimate 2	Electrostatic	Yes						28-22 ±2	86	50/3		70 x 29 x 7	Blk. Gloss	Blk. Spandex	150	10,950 Pair
	Ultimate 1	Electrostatic	Yes						25-22 ±2	86	50/3		82 x 37 x 10	Blk. Gloss	Blk. Spandex	210	23,750 Pair
Quantum	Electrostatic & Dynamic Hybrid	No	8			36x6½	ES	38-22 ±2	88	250	8/4	53 x 14 x 3	Opt., Wood	Blk. Knit	53	2250.00 Pair	
Aura	Electrostatic	Yes						30-22 ±2	88		50/3	68 x 26 x 7	Opt., Wood	Opt.	145	6500.00 Pair	
SOUNDOLIER	SUB-40	Ctr. Ch. & Sub. (see below)							70-20 ±3	89			40 x 23 x 30	Opt.	Blk. Knit	86	From 1672.00 Each
	SUB-40	Ctr. Ch.		(2)6½			1	Dome	24-200 Hz	100		4/4					
	SUB-40	Sub.		(4)8					+5,-2			8/2					
	SUB-36	Ctr. Ch. & Sub. (see below)							70-20 ±3	89	3.4k	4/4	36 x 23 x 22	Opt.	Blk. Knit	78	From 1485.00 Each
	SUB-36	Ctr. Ch.		(2)6½			1	Dome	30-200 Hz	101		8/2					
	SUB-36	Sub.		(4)8					±3								
	THP-1	Sub.		(2)8					38-500 Hz ±5	90		8/4	25 x 11 x 15	Opt., Gloss	Opt., Knit	32	561.00 Each
	THP-2	In-Ceiling/In-Floor, Sub.		(2)8					40-170 Hz	96		8/4	11 x 14 x 22	Blk.	Opt.	32	449.00 Each
	THP-3	In-Wall, Sub.		8					45-500 Hz ±5	89		8/7	15 x 11 x 3	Wht.	Wht. Metal	5	242.00 Each
	AS661	In-Wall, Int. Baf.	No	(2)6			1	Dome	60-20	90	3k	4/	9 x 19		Wht. Steel		
	AS88	In-Wall, Inf. Baf.	No	8	4	Cone	1	Dome	50-20		1.5k,5k	8/	11 x 15		Wht. Steel		
	AS83A	In-Wall		8	4	Cone	1	Dome	45-20 ±3	88	2.2k,5k	8/	15 x 11 x 3	Wht.	Wht. Metal	8	528.00 Pair
	AS80A	In-Wall		8			1	Dome	50-20 ±4	88	2.8k	8/	15 x 11 x 3	Wht.	Wht. Metal	6	389.00 Pair
	AS75	In-Wall, Inf. Baf.	No	6			1	Dome	60-20	87	3k	8/	9 x 12		Wht. Steel		
	AS62A	In-Wall		6½			1	Dome	60-20 ±4	86	2.5k	8/	11 x 9 x 3	Wht.	Wht. Metal	5	317.00 Pair
AS60A	In-Wall		6½			2	Cone	60-15 ±5	85	3.4k	8/	11 x 9 x 3	Wht.	Wht. Metal	3	255.00 Pair	
AS34C	In-Ceiling		4	4		½	Dome	110-20 ±5	88		8/	8 x 8	Wht.	Blk. Mesh	5	241.00 Pair	
AS24C	In-Ceiling		4					150-17 ±5	89.6		8/	8 x 8	Wht.	Blk. Mesh	3	219.00 Pair	
AS20C	In-Ceiling, Ac. Sus.		6½			½	Dome	65-20 ±5	88	4k	8/	10 x 10 x 8	Wht.	Wht. Metal	3	319.25 Each	
W150T	Indoor/Outdoor		5¼			1	Dome	75-20 ±5	86		8/	9 x 6 x 7	Opt. Alum.	Opt. Mesh	10	195.00 Each	
W130T	Indoor/Outdoor		4			1	Dome	120-20 ±3	84		8/	7 x 5 x 4	Opt., Alum.	Opt., Mesh	6	107.28 Each	
W115T	Indoor/Outdoor		4			1	Cone	140-20 ±5	88		8/	7 x 5 x 4	Opt., Piast.	Opt., Mesh	5	149.00 Pair	
AS115	Indoor/Outdoor		4			1½	Cone	140-20 ±5	88		8/	7 x 5 x 4	Opt.	Opt.	5	226.00 Pair	
AS130	Indoor/Outdoor		4			1	Dome	120-20 ±3	84		8/	8 x 5 x 5	Opt.	Opt.	6		



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PO.'s ACCEPTED

# LOUDSPEAKERS

MANUFACTURER	Model	Application Design Principle Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$	
SOUND TUBE ENTERTAINMENT	S1405	Omni, Tuned Port		12					35-20 ±3	90	500.35k	8/	14 Dia. x 60	Opt.	Opt., Fabric	23	445.00 Each	
	S1402	Omni, Tuned Port		10					45-20 ±3	90	500.35k	8/	14 Dia. x 30	Opt.	Opt., Fabric	20	645.00 Each	
SOURCE TECHNOLOGIES	1.5	Vented	Yes	5			3/4	Dome	65-20 ±3	88	2.5k	6/6	10 x 6 x 6	Opt., Gloss	Bik. Knit	12	379.00 Pair	
	1.6	Vented	Yes	5			3/4	Dome	60-20 ±3	88	2.4k	6/6	10 x 6 x 6	Opt., Gloss	Bik. Knit	13	449.00 Pair	
	1.7	Vented	No	6			1	Dome	55-20 ±3	87	2.2k	6/6	17 x 9 x 9	Bik. Gloss	Bik. Knit	22	495.00 Pair	
	266	Vented	No	7			1	Dome	47-20 ±2	88	2k	4/4	18 x 9 x 9	Bik. Gloss	Bik. Knit	26	695.00 Pair	
	310SL	Vented	No	(2)6			1	Dome	42-20 ±3	88	200.2k	5/5	41 x 7 x 8	Bik. Gloss	Bik. Knit	42	795.00 Pair	
	312SL	Vented	No	10	6	Cone	1	Dome	33-20 ±3	88	200.2k	6/6	40 x 11 x 12	Bik. Gloss	Bik. Knit	65	995.00 Pair	
	Formula I-D	Vented	No	12	6	Cone	1	Dome	29-20 ±3	89	180.2k	6/6	42 x 13 x 12	Bik. Gloss	Bik. Knit	74	1495.00 Pair	
	Formula II-D	Vented	No	6			1	Dome	45-20 ±2	88	1.8k	6/6	17 x 10 x 8	Opt.	Bik. Knit	32	1795.00 Pair	
	277-D	Vented	No	7	6	Cone	1	Dome	30-20 ±2	88	120.1.7k	5/5	39 x 12 x 9	Opt.	Bik. Knit	74	2795.00 Pair	
	LS-8	Line Source; Vented	No	(2)7			1	Dome	30-20 ±2	88	150.1.8k	5/5	42 x 9 x 10	Opt.	Bik. Knit	64	2295.00 Pair	
	LS-12	Line Source; Vented	No	(2)12	(2)5	(4)7	Cones	1	Dome	25-20 ±2	87	150.2k	5/5	63 x 11 x 18	Opt., Wood	Bik. Knit	174	6495.00 Pair
	CC-1	Ctr. Ch.	Yes	(2)4			(4)1	3/4	Dome	70-20 ±3	89	90.1.6k	5/5	77 x 18 x 24	Opt., Wood	Bik. Knit	430	29,000 Pair
	CC-2S	Ctr. Ch.	Yes	(2)5			3/4	Dome	58-20 ±3	89	2.5k	5/5	5 x 18 x 7	Bik. Gloss	Bik. Knit	12	249.00 Each	
	CC-2V	Ctr. Ch.	Yes	(2)5			3/4	Dome	52-20 ±3	89	2.1k	5/5	7 x 19 x 10	Bik. Gloss	Bik. Knit	15	235.00 Each	
	ESC	Ctr. Ch.	Yes	(2)5			3/4	Dome	49-20 ±2	89	1.9k	5/5	7 x 19 x 10	Bik. Gloss	Bik. Knit	17	395.00 Each	
	SCC	Ctr. Ch.	Yes	(2)6			1	Dome	45-20	89	1.8k	5/5	7 x 19 x 10	Bik. Gloss	Bik. Knit	22	495.00 Each	
	CC-5	Ctr. Ch.	No	(2)7			1	Dome	40-20	89	1.7k	5/5	8 x 23 x 11	Bik. Gloss	Bik. Knit	26	595.00 Each	
	RC-1B	Surround Ch.	No	(2)4			3	Cone	70-10	89	5k	6/6	9 x 26 x 11	Bik. Gloss	Bik. Knit	32	795.00 Each	
	RC-2FS	Surround Ch.	No	6	(2)4	Cones	3	Cone	50-10	89	500.5k	5/5	42 x 6 x 10	Opt. Gloss	Opt.	10	379.00 Pair	
	SW-10P	Powered Sub.	No	10					28-120 Hz	90	40-120 (Var.)	5/5	14 x 14 x 15	Bik. Gloss	Bik. Knit	46	795.00 Pair	
	SW-12P	Powered Sub.	No	12					25-120 Hz	91	40-120 (Var.)	5/5	17 x 16 x 17	Bik. Gloss	Bik. Knit	59	695.00 Each	
	SW-15P	Powered Sub.	No	15					21-120 Hz	92	40-120 (Var.)	4/4	22 x 17 x 18	Bik. Gloss	Bik. Knit	77	795.00 Each	
SPEAKER ART	Clef Signature	Terminated Vent	No	8			1	Dome	30-22 ±3	88	1.8k	8/6	13 x 21 x 10	Opt., Wood	Bik. Knit	50	1229.00 Pair	
	Clef Extreme	Terminated Vent	No	8 3/4			1 1/8	Dome	28-22 ±3	88	1.9k	8/6	13 x 21 x 10	Opt., Wood	Bik. Knit	60	2495.00 Pair	
SPEAKER-CRAFT	8.2 BAS	In-Ceiling, Sub.	No	8					30-80 Hz or 120 Hz (Sel.)		80/120 (Sel.)	8/6	12 Dia.	Wht.	Metal		318.00 Each	
	8.1 BAS	In-Ceiling, Sub.	No	8					30-80 Hz or 120 Hz (Sel.)		80/120 (Sel.)	8/6	12 Dia.	Wht.	Metal		225.00 Each	
	6.0 DT	In-Ceiling	No	6 1/2			(2) 1/2	Domes	60-20	91	8/8	10 Dia.	Wht.	Metal		145.00 Each		
	8.5 CRS2	In-Ceiling	No	8			1	Dome	30-20	90	8/4	12 Dia.	Wht.	Metal		560.00 Pair		
	8.2 CRS2	In-Ceiling	No	8			1/2	Dome	35-20	90	8/4	12 Dia.	Wht.	Metal		450.00 Pair		
	6.5 CRS3	In-Ceiling	No	6 1/2			1	Dome	40-20	92	8/4	10 Dia.	Wht.	Metal		405.00 Pair		
	6.2 CRS3	In-Ceiling	No	6 1/2			1/2	Dome	45-20	92	8/4	10 Dia.	Wht.	Metal		275.00 Pair		
	6.1 CRS3	In-Ceiling	No	6 1/2			1/2	Dome	70-20	91	8/6	10 Dia.	Wht.	Metal		207.00 Pair		
	5.2 Rb	In-Ceiling	No	5 1/4			1/2	Dome	60-20	91	8/6	8 Dia.	Wht.	Bik. Metal		149.00 Pair		
	5.2 R	In-Ceiling	No	5 1/4			1/2	Dome	60-20	89	8/6	8 Dia.	Wht.	Metal		149.00 Pair		
	SC 662FL	In-Wall	No	6 1/2			1/2	Dome	45-20	90	8/8	12 x 9	Wht.	Metal		188.00 Pair		
	SC 652FL	In-Wall	No	6 1/2			1/2	Dome	50-20	90	8/8	12 x 9	Wht.	Metal		146.00 Pair		
	SC 600FL	In-Wall	No	6 1/2			2	Cone	60-18	90	8/8	12 x 9	Wht.	Metal		113.00 Pair		
	SC 552FL	In-Wall	No	5 1/4			1/2	Dome	60-20	92	8/8	11 x 8	Wht.	Metal		178.00 Pair		
	SC 542FL	In-Wall	No	5 1/4			1/2	Dome	70-20	92	8/8	11 x 8	Wht.	Metal		136.00 Pair		
	WS 550	Outdoor	No	(2)5 1/4			1	Dome	50-20	91	4/4	16 x 9	Opt.	Metal		580.00 Pair		
	WS 540	Outdoor	No	(2)5 1/4			1	Dome	60-20	91	4/4	16 x 9	Opt.	Metal		460.00 Pair		
	WS 520	Outdoor	No	5 1/4			1	Dome	70-20	90	8/4	12 x 8	Opt.	Metal		400.00 Pair		
	WS 510	Outdoor	No	5 1/4			1/2	Dome	80-20	90	8/4	12 x 8	Opt.	Metal		310.00 Pair		
	8.5 MIT	In-Wall	No	8	2	Dome	3/4	Dome	30-22 ±2	90	8/4	16 x 11	Wht.	Metal		1335.00 Pair		
	6.5 MIT	In-Wall	No	6 1/2			1	Dome	40-20	90	8/4	12 x 8	Wht.	Metal		465.00 Pair		
	6.2 MIT2	In-Wall	No	6 1/2			1	Dome	45-20	92	8/6	12 x 8	Wht.	Metal		370.00 Pair		
6.1 MIT2	In-Wall	No	6 1/2			1	Dome	50-20	92	8/6	12 x 8	Wht.	Metal		245.00 Pair			
SPEAKERLAB	2	Bass Ref.	No	5 1/4			3/4	Dome	50-21 ±3	88	2.5k	8/4	13 x 7 x 8	Oiled Oak	Bik. Knit	12	259.00 Pair; Kit, 195.00	
	3	Ac. Sus.	No	6 1/2			3/4	Dome	42-21 ±3	90	2.5k	4/3	15 x 8 x 10	Oiled Oak	Bik. Knit	22	389.00 Pair; Kit, 289.00	
	4	Ac. Sus.	No	8			3/4	Dome	35-21 ±3	90	2.5k	8/4	18 x 10 x 12	Oiled Oak	Bik. Knit	30	479.00 Pair; Kit, 399.00	
	5	Bass Ref.	No	8	6 1/2	Cone	1	Dome	30-21 ±3	92	180.2.5k	8/4	37 x 11 x 13	Oiled Oak	Bik. Knit	56	719.00 Pair; Kit, 569.00	
	7	Bass Ref.	No	12,10	6 1/2	Cone	1	Dome	25-21 ±3	94	350.5k	8/4	39 x 14 x 16	Oiled Oak	Bik. Knit	82	999.00 Pair; Kit, 799.00	
	C	Ctr. Ch., Ac. Sus.	Yes	(2)6 1/2			3/4	Dome	42-21 ±3	90	2.5k	8/4	8 x 23 x 10	Oiled Oak	Bik. Knit	25	299.00 Each; Kit, 249.00	
	SW	Bass Ref., Dual-Voice-Coil Sub.	No	10					35-160 Hz ±3	91	160	8/4	14 x 23 x 16	Oiled Oak	Bik. Knit	43	379.00 Each; Kit, 239.00	
SRD SPEAKER-WORKS	Sub 12P	Powered Sub.		12					25-125 Hz		40-180 (Adj.)		19 x 19 x 19	Opt., Oak	Bik. Knit	58	699.00 Each	
	10.3 Series II	Bass Ref.	No	10	5 1/2	Cone	1	Dome	33-28 ±2	89	500.4k	8/	25 x 15 x 12	Opt., Oak	Bik. Knit	19	1199.00 Pair	
	8.2	Bass Ref.	No	6 1/2			1	Dome	49-20 ±2	89	3k	8/	16 x 10 x 8	Opt.	Bik. Knit	19	479.00 Pair	
	VIA-1	Bass Ref.	No	8			1	Dome	40-20 ±2	91	2.5k	8/	19 x 12 x 11	Opt.	Bik. Knit	28	599.00 Pair	
	SS-1	Bass Ref.	No	(2)5 1/4			1	Dome	45-20 ±2	88	3.5k	6/	8 x 18 x 11	Opt.	Bik. Knit	25	699.00 Pair	
	Sat 1	Ac. Sus. Sats. & Sub.	No	5		Cone	1	Dome	72-20 ±2	88	3.5k	6/	12 x 8 x 7	Opt.	Bik. Knit	12	429.00 Pair	
STEREO-STONE	Palos Verdes Stone	Outdoor; In-Wall/In-Ground		6 1/2			1/2	Dome	55-20	89	2.8k	8/3	17 x 5 x 11	Opt., Sim. Rock	Opt.	15	160.00 Each	
	Sub-Rock	Outdoor; Sub.		(2)10					30-180 Hz +0, -3	91	180	8/4	22 x 20 x 19	Opt., Sim. Rock	Opt.	60	699.00 Each	
	Sierra Stone	Outdoor		6 1/2			1/2	Dome	55-20 ±3	89	2.8k	8/3	13 x 9 x 9	Opt., Sim. Rock	Opt.	22	299.00 Each	
	Sierra Jr.	Outdoor		6 1/2			1/2	Dome	55-20 ±5	88	2.8k	8/4	13 x 9 x 9	Opt., Sim. Rock	Opt.	18	299.00 Pair	
(Continued)	Classic Stone	Outdoor		6 1/2			1/2	Dome	55-20 ±3	89	2.8k	8/3	19 x 12 x 10	Opt., Sim. Rock	Opt.	30	299.00 Each	



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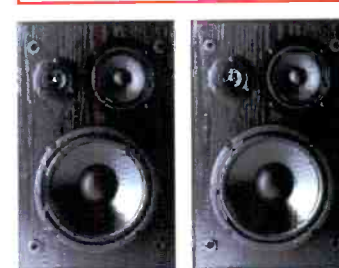
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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
STEREO-STONE (Continued)	Omni Stone	Outdoor		8			¾	Dome	38-20 ±3			8/3	19 x 12 x 17	Opt., Sim. Rock	Blk. Knit	35	399.00 Each
	Corner Stone	Outdoor		8			¾	Dome	38-20 ±3			8/3	19 x 15 x 11	Opt., Sim. Rock	Blk. Knit	39	430.00 Each
	Yosemite Stone	Outdoor		8			¾	Dome	38-20 ±3			8/3	19 x 12 x 15	Opt., Sim. Rock	Blk. Knit	39	430.00 Each
	Stereo Stone	Outdoor		(2)8			(2)¾	Domes	38-20 ±3	91	1.5k	8/3	23 x 20 x 19	Opt., Sim. Rock	Blk. Knit	55	650.00 Each
	Stereo Rock	Outdoor		(2)8			(2)¾	Domes	38-20 ±3	91	1.5k	8/3	24 x 20 x 18	Opt., Sim. Rock	Blk. Knit	55	650.00 Each
	Stereo Fountain	Outdoor		(2)8			(2)¾	Domes	38-20 ±3	91	1.5k	8/3	22 x 20 x 19	Opt., Sim. Rock	Blk. Knit	60	825.00 Each
SUNDANCE	10	Tuned Port	No	10	(2)5½	Cones	2x6	Heil	30-22 ±5	87		4/3	42 x 12 x 18	Opt., Wood	Blk. Knit	180	7995.00 Each
	10-C	Tr. Ch.; Tuned Port	Yes	8			1½x4	Heil	40-22 ±5	87		4/3	12 x 18 x 10	Opt., Wood	Blk. Knit	60	1195.00 Each
	10-R	Surround Ch.; Tuned Port	Yes	6			1½x4	Heil		87		4/3	14 x 8 x 10	Opt., Wood	Blk. Knit	90	1995.00 Each
SUNFIRE	True Subwoofer MKII	Powered Sub.	No	10					18-85 Hz ±3		35-75 (Var.)		11 x 11 x 11	Blk.	None	45	1299.00 Each
SYMDEX SYSTEMS	Gamma Reference	Ported	No	7½			1	Dome	40-25	88	2.3k	8/4		Opt.	Opt.	45	2995.00 Pair
	Epsilon Reference	Ported	No	10	7½	Cone	1	Dome	25-25	88	80,2.3k	8/4		Opt.	Opt.	110	5995.00 Pair
SYMPHONIC LINE	Legato		Yes	6½			1½	Dome	29-23 ±3	89		8/4	42 x 14 x 8	Opt.	None	170	5600.00 Pair
	Belcanto		Yes	(2)8	6½	Cone	1½	Dome	21-23 ±3	91		8/2	43 x 10 x 18	None	None	300	18,000 Pair
	Belcanto "S"		Yes	(2)8	6½	Cone	1½, 1¼	Domes	21-25 ±3	91		8/2	43 x 10 x 18	Opt.	None	310	21,000 Pair
TADDEO	Finesse		No	10	6½	Cone	(6)1	Domes	23-20 ±3	86	90,1.5k	4/2,4	Two Pieces Per Side	Cherry	Blk. Knit	90 Side	5200.00 Sys.
TANNOY	m1	Bass Ref.	No	5¼			1	Dome	55-20 ±3	87	2.5k	8/6	12 x 7 x 8	Blk. Ash Vinyl	Blk. Knit	10	250.00 Pair
	m2	Bass Ref.	No	6½			1	Dome	48-20 ±3	88	2.5k	8/6	15 x 8 x 11	Blk. Ash Vinyl	Blk. Knit	14	350.00 Pair
	m3	Bass Ref.	No	6½			1	Dome	35-20 ±3	89	2.5k	8/6	33 x 8 x 11	Blk. Ash Vinyl	Blk. Knit	22	550.00 Pair
	mC	Tr. Ch.; Bass Ref.	Yes	(2)4			1	Dome	70-20 ±3	90	2.5k	8/6	6 x 17 x 7	Blk. Ash Vinyl	Blk. Knit	13	250.00 Each
	D50	Bass Ref.	No	8			1	Conc. Horn	42-30 ±3	92	2.5k	8/6	32 x 11 x 10	Opt., Wood Vinyl	Blk. Knit	35	1200.00 Pair
	D70	Inf. Baf.	No	8	8	Cone	1	Conc. Horn	40-30 ±3	93	400,2.5k	6/4	32 x 11 x 10	Opt., Wood Vinyl	Blk. Knit	40	1400.00 Pair
	D80	Coupled-Chamber Ref.	No	8	8	Cone	1	Conc. Horn	38-30 ±3	93	400,2.5k	6/4	36 x 11 x 10	Opt., Wood Vinyl	Blk. Knit	44	1700.00 Pair
	D5C	Tr. Ch.; Bass Ref.	Yes	5			1	Horn ICT	75-20 ±3	89	5k	6/4	8 x 13 x 6	Blk. Ash Vinyl	Blk. Knit	7	250.00 Each
	D6C	Tr. Ch.; Bass Ref.	Yes	6½			1	Conc. Horn	62-30 ±3	91	2.4k	8/6	10 x 15 x 9	Blk. Ash Vinyl	Blk. Knit	20	500.00 Each
	D5R	Wall-Mount; Surround Ch.	No	5			1	Horn ICT	100-20 ±3	91	5k	6/4	8 x 12 x 4	Wht. Vinyl	Wht. Knit	7	450.00 Pair
	Arena PS 115	Powered Sub.	Yes	5			1	ICT	70-20 ±3	86	5k	6/4	9 x 7 x 6	Opt. Blk. Ash Vinyl	Opt., Knit Blk. Knit	4	260.00 Pair
			No	15					33-130 Hz		Var.	6/4	18 x 20 x 2	Opt. Blk. Ash Vinyl	Opt., Knit Blk. Knit	53	1250.00 Each
	D750	Tr. Ch.	Yes	(2)8	8	Cone	1	Conc. Horn	45-30 ±3	92	400,1.7k	6/4	10 x 32 x 16	Opt., Wood	Blk. Knit	90	2400.00 Each
	D300	Bass Ref.	No	6			1	Conc. Horn	47-30 ±3	90	2k	6/4	33 x 10 x 9	Opt., Wood	Blk. Knit	40	2400.00 Pair
	D500	Coupled-Chamber Ref.	No	8	8	Cone	1	Conc. Horn	37-30 ±3	93	400,1.7k	6/4	37 x 12 x 13	Opt., Wood	Blk. Knit	62	3800.00 Pair
	D700	Bass Ref.	No	10	10	Cone	1	Conc. Horn	35-30 ±3	95	400,1.5k	6/4	39 x 15 x 14	Opt., Wood	Blk. Knit	90	5300.00 Pair
	D900	Bass Ref.	No	12	12	Cone	1	Conc. Horn	28-30 ±3	96	400,1.2k	6/4	45 x 17 x 18	Opt., Wood	Blk. Knit	130	9000.00 Pair
	Churchill	Bass Ref.	No	15			1	Conc. Horn	32-20 ±3	97	1k	8/6	49 x 22 x 22	Opt., Wood	Blk. Knit	180	14,000 Pair
	Stirling TW	Bass Ref.	No	10			1	Conc. Horn	35-25 ±3	95	1.3k	8/6	27 x 19 x 12	Wal.	Beige Knit	48	5000.00 Pair
	Edinburgh TW	Bass Ref.	No	12			1	Conc. Horn	30-25 ±3	97	1.2k	8/6	40 x 26 x 16	Wal.	Beige Knit	97	6500.00 Pair
GRF Memory TW	Bass Ref.	No	15			1	Conc. Horn	29-25 ±3	97	1k	8/6	43 x 31 x 19	Wal.	Beige Knit	136	7500.00 Pair	
Westminster TW	Horn-Loaded	No	15			1	Conc. Horn	18-25 ±3	101	1k	8/6	50 x 40 x 25	Wal.	Beige Knit	255	13,000 Pair	
Canterbury 15	Bass Ref.	No	15			1	Conc. Horn	28-22 ±3	98	1.1k	8/6	43 x 26 x 19	Wal.	Blk. Knit	138	16,000 Pair	
Westminster Royal	Horn-Loaded	No	15			1	Conc. Horn	18-22 ±3	101	1k	8/6	55 x 38 x 22	Wal.	Beige Knit	303	30,000 Pair	
TDL	Reference Standard "M"	Trans. Line	No	(2) 8½x12	(2)6	Cones	(2)1,¾	Domes	16-35	89	300,2k,13k	8/	47 x 22 x 20	Opt., Wood	Opt., Knit	175	13,000 Pair
	Studio Monitor "M"	Trans. Line	No	8½x12		Cone	1	Dome	18-20	87	300,2k	8/	35 x 11 x 17	Opt., Wood	Opt., Knit	110	6500.00 Pair
	Studio 1m	Trans. Line	No	6½			1	Dome	28-20	86	2k	8/	30 x 9 x 13	Opt., Wood	Opt., Knit	50	2500.00 Pair
	T-Line 3	¼-Wave Trans. Line	No	(2)6½			1	Dome	30-20	90	2k	8/	37 x 9 x 16	Opt., Wood	Opt., Knit	55	2000.00 Pair
	T-Line 2	¼-Wave Trans. Line	No	6½			1	Dome	40-20	87	2k	8/	30 x 9 x 10	Opt., Wood	Opt., Knit	32	1500.00 Pair
	RTL 4	¼-Wave Trans. Line	No	(2)8			1	Dome	30-20	90	3k	8/	36 x 11 x 15	Opt., Vinyl	Blk. Knit	51	1499.00 Pair
	RTL 311	¼-Wave Trans. Line	No	(2)6½			1	Dome	30-20	90	2.5k	8/	34 x 8 x 15	Opt., Vinyl	Blk. Knit	46	1099.00 Pair
	RTL 211	¼-Wave Trans. Line	No	6½			1	Dome	35-20	87	3k	8/	28 x 8 x 9	Opt., Vinyl	Blk. Knit	26	699.00 Pair
	RTL 1	¼-Wave Trans. Line	No	6½			1	Dome	40-20	87	3k	8/	15 x 8 x 9	Opt., Vinyl	Blk. Knit	18	499.00 Pair
	NFM 1	Ported	No	5			¾	Dome	50-20	88	3k	8/	11 x 7 x 8	Opt., Vinyl	Blk. Knit	8	299.00 Pair



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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
TDL (Continued)	Nucleus 1	Sealed Inf. Baf.	No	5/4			3/4	Dome	60-20	86	5k	8/	11 x 7 x 7	Blk. Textured Blk.	Blk. Knit	7	199.00 Pair
	CCS	Ctr. Ch., 1/4-Wave Trans. Line	Yes	(2)4			3/4	Dome	80-20	87	4k	8/	6 x 17 x 10	Blk. Textured Blk.	Blk. Knit	16	299.00 Each
	SBR	1/4-Wave Trans. Line Sub.	No	(2)6 1/2					30-120 Hz	90		8/	16 x 8 x 20	Blk. Textured Blk. Textured		25	499.00 Each
TEAC	LS-C400	Ctr. Ch.	Yes	(4)3			(2)1	Domes	80-20	90		8/	19 x 4 x 7	Ebony	Blk. Knit		129.00 Each
	SS-350	Ctr. & Surround Ch.	Yes	(2)4	4		2	Dome	80-20	88		8/	Three Pieces	Ebony	Blk. Knit		139.00 Sys.
	SU-B500	Sats. & Sub.	Yes	(2)5 1/4			2	Dome	80-20	85		8/	Three Pieces	Ebony	Blk. Knit		199.00 Sys.
TECHNICS	SB-LX90		No	15	4		2 1/2	Cone	31-22 +0, -16	90	3k,6k	8/	19 x 33 x 13	Opt.	Blk.	36	119.95 Each
	SB-LX70		No	12	4		2 1/2	Cone	33-22 +0, -16	90	3k,6k	8/	15 x 28 x 11	Opt.	Blk.	22	169.95 Pair
	SB-LX50		No	10	4		2 1/2	Cone	35-22 +0, -16	90	4k,6k	8/	14 x 25 x 11	Opt.	Blk.	19	119.95 Each
	SB-LV305		No	10			2 1/2	Cone	38-22 +0, -16	90	3k	8/	13 x 24 x 11	Opt.	Blk.	17	129.95 Pair
	SB-LX30		No	10			2 1/2	Cone	38-22 +0, -16	90	3k	8/	13 x 24 x 11	Opt.	Blk.	17	99.95 Pair
	SB-LX10		Yes	6 3/4			2 1/2	Cone	46-22 +0, -16	89	3k	8/	10 x 15 x 9	Opt.	Blk.	8	99.95 Pair
	SB-AS40	Powered Sub.	Yes	6 3/4					32-350 Hz	92		4/	15 x 11 x 12	Matte Blk.	Blk.	18	199.95 Each
	SB-AS60	Powered Sub.	Yes	6 3/4					+0, -16 32-200 Hz	86		8/	17 x 12 x 13	Matte Blk.	Blk.	27	299.95 Each
	SB-W33	Sub.	Yes	12					+0, -16 38-3 +0, -16	88		8/	19 x 15 x 13	Matte Blk. Blk.	Blk. Blk.	22	99.95 Each
	SB-CSS70	Ctr. & Surround Ch.			3/4	Cone			118-18 +0, -16	89		8/	Three Pieces	Blk.	Blk.	16	179.95 Sys.
	SB-CSS90	Ctr. & Surround Ch. (see below)											Three Pieces	Matte Blk.	Blk.	16	199.95 Sys.
	SB-AFC32	Ctr. Ch.	Yes		3/8				118-18 +0, -16	89		8/	17 x 5 x 6			8	99.95 Each
	SB-S32	Surround Ch.	Yes		3/8				80-45 +0, -16	83		8/	6 x 8 x 10	Matte Blk.	Blk.	5	119.95 Sys.
	SB-CSS40	Ctr. & Surround Ch. (see below)											Three Pieces	Matte Blk.	Blk.	8	
SB-C22	Ctr. Ch.	Yes		3/8				105-15 +0, -16	87		8/	9 x 5 x 6			4		
SB-S29	Surround Ch.	No		3/8				100-20 +0, -16	81		8/	5 x 4 x 5			2		
SB-TX50	THX: 2 Main, Ctr., 2 Srrnd. & 2 Subs. (see below)							+0, -16				Seven Pieces	Matte Blk.	Opt.	192	2799.95 Sys.	
SB-TF50	Main Ch.		5/2	3/8	Cone	1	Dome	40-25 +0, -16	86	800,3.5k	6/	12 x 23 x 16			26		
SB-TC50	Ctr. Ch.		5/2	3/8	Cone	1	Dome	40-25 +0, -16	86	600,4.5k	6/	17 x 13 x 12			13		
SB-TS50	Surround Ch.		5/2			3/8	Cone	65-20 +0, -16	83	400	6/	10 x 12 x 6			22		
SB-TW50	Sub.		8					15-400 Hz +0, -16	88		6/	12 x 20 x 18			46		
TERP-SICHOORE	Van Arsdale Big Boy	Vented Powered Trans. Line Sub.		8	4	Cone	1	Dome	32-20 ±2 14-150 Hz	91	Var.	8/4	17 x 24 x 16 Custom	Opt., Wood Opt.		180	3500.00 Pair
	Landes Monitor Bookshelf	Vented	Opt.	8				Ribbon	45-24 ±2	91	300,3k	4 or 8	17 x 9 x 10	Opt., Wood		19	950.00 Pair
	Landes Monitor Floor	Vented	Opt.	8				Ribbon	45-24 ±2	91	300,3k	4 or 8	Custom	Opt.			From 1050.00 Pair
	Landes Monitor Plus	Vented	Opt.	8			(4)	Ribbons	40-30 ±3	91	300,3k	4 or 8	Custom	Opt.		50	From 1700.00 Pair
	Subwoofer 1	Folded Horn Sub Tuned Port	Opt.	10			1	Dome	28-1 55-20 ±3	89	2.4k	8/3	14 x 25 x 16 7 x 10 x 12	Opt. Opt.		200	700.00 Each
	SSS Monitor		Opt.	5 1/2			1	Dome				6/3		Opt.		11	From 700.00 Each
Mueller Tweeter	Tweeter; Omni					4 Dia. x8	Omni	2.6k-30k		Custom	8/	4 Dia. x 8	Opt.		4	400.00 Pair 600.00 Pair	
THIEL	CS7	Pas. Rad.	No	12	6 1/2, 3	Cones	1	Dome	25-17 ±1.5	86	130,1k,3k	4/2,7	55 x 14 x 19	Opt., Wood	Opt., Cloth	201	8900.00 Pair
	CS6	Pas. Rad.	No	10	5	Cone	1	Dome	35-18 ±1.5	86	400,3k	4/2,4	50 x 13 x 19	Opt., Wood	Opt., Cloth	175	7900.00 Pair
	CS3.6	Pas. Rad.	No	10	4 1/2	Cone	1	Dome	29-20 ±1.5	86	400,3k	4/2,5	49 x 13 x 17	Opt., Wood	Opt., Cloth	107	4300.00 Pair
	CS2.2	Pas. Rad.	No	8	3	Cone	1	Dome	35-20 ±2	86	800,3k	4/3	42 x 12 x 13	Opt., Wood	Opt., Cloth	70	2950.00 Pair
	CS1.5	Pas. Rad.	Yes	6 1/2			1	Dome	42-22 ±3	86	3k	4/3	33 x 8 x 11	Opt., Wood	Opt., Cloth	42	2190.00 Pair
	CS.5	Ported	Yes	6 1/2			1	Dome	55-20 ±3	87	3k	4/3,2	31 x 8 x 11	Opt., Wood	Opt., Cloth	35	1450.00 Pair
	SCS 2	Ported	Yes	6 1/2			1	Dome	47-17 ±2	86	3k	4/3	19 x 7 x 10	Opt., Wood	Opt., Cloth	31	995.00 Each
THORENS	TSP-40	Bass Ref.		5/8			3/4	Dome	50-20	88		4/8	7 x 15 x 10	Opt., Wood	Blk.	15	1800.00 Pair
	TSP-80	Bass Ref.		(2)5 1/8			3/4	Dome	50-20	91		4/8	7 x 33 x 10	Opt., Wood	Blk.	32	2600.00 Each
	TSP-100	Bass Ref.		(2)6 3/4			1	Dome	40-20	92		4/8	8 x 39 x 12	Opt., Wood	Blk.	46	3400.00 Each
TLT	T3	Trans. Line	No	8	5/4	Cone	3/4	Dome	30-22 ±3	90	250,3.8k	8/4	42 x 12 x 17	Oak	Blk. Knit	120	2995.00 Pair
TOBY	CS-94	Sats. & Sub.	Yes	10	6 1/2	Cone	1	Dome	30-18 ±3	87	100,2k	8/6	Three Pieces	Blk. Epoxy	Blk. Knit		1199.00 Sys.
	SS-94	Sats. & Sub.	Yes	10	6 1/2	Cone	1	Dome	30-18 ±3	87	100,2k	8/6	Three Pieces	Blk. Knit	Blk. Knit		1095.00 Sys.
	D-55	Bass Ref.	No	8			1	Dome	30-18 ±3	88	2k	6/4	38 x 10 x 12	Opt.	Blk. Knit	46	749.00 Pair
	CC-94	Ctr. Ch.	Yes	6 1/2			1	Dome	60-18 ±5	87	3k	8/6	8 x 8 x 16	Blk. Epoxy	Blk. Knit	12	249.00 Each
	RS-94	Surround Ch.	Yes	6 1/2			3/4	Dome	60-18 ±5	87	3.5k	8/6	8 x 8 x 16	Blk. Epoxy	Blk. Knit	12	299.00 Pair
TOSHIBA	SST6200	Bass Ref.	No	6 1/2			2	Dipole Ribbon	45-20 ±3	89	2.5k		32 x 8 x 10	Blk. Ash	Blk. Knit	22	750.00 Pair
	SSC5300	Bass Ref	Yes	(2)5 1/4			1 1/2	Ribbon	50-20	89	2.8k		18 x 6 x 14	Blk. Ash	Blk. Knit	12	250.00 Each
	SSW1020	Powered Sub.	No	(2)10				Ribbon	18-200 Hz		70-200 (Adj.)		31 x 16 x 18	Blk. Ash	Blk. Knit	80	750.00 Each
TOTAL MEDIA SYSTEMS	TMS 8.5	Tuned Port Ctr. Ch.	No	8	2	Dome	2	Ribbon	36-27 ±2	91	600,6.5k	8/6	11 x 13 x 42	Opt., Wood	Blk. Knit	65	3950.00 Pair
	TMS 8.5C	Ctr. Ch.	No	8	2	Dome	2	Ribbon	36-27 ±2	91	650,6.5k	8/6	11 x 13 x 43	Blk. Ash	Blk. Knit	65	2200.00 Each
	TMS SC-200DP	Dipolar/Bipolar	No	8	(2)4	Cones	(3)1	Domes	36-22 ±2	91	200,1.5k	4/3	15 x 10 x 22	Blk. Ash	Blk. Knit	65	3850.00 Pair
TOTEM ACOUSTIC (Continued)	Shaman	Bass Ref	No	10	8.2	Cone, Dome	1, 3/4	Domes	16-22 ±2	86	220,1.2k, 4k,15k	4/3	Four Pieces	Opt.	Blk. Cloth	210	10,995 Sys.
	Mani-2	Bass Ref	Yes	(2)6 1/2			1	Dome	29-20 ±3	84	3.5k	4/3	17 x 9 x 12	Opt.	Blk. Knit	23	3995.00 Pair
	Tabu	Bass Ref	No	7			1 1/4	Dome	37-23 ±3	86	1.8k	6/4	17 x 9 x 12	Opt.	Blk. Knit	22	2995.00 Pair
	1 Signature	Bass Ref.	No	5			1	Dome	50-20 ±3	87	2.7k	6/4	13 x 7 x 9	Opt.	Blk. Knit	9	1995.00 Pair



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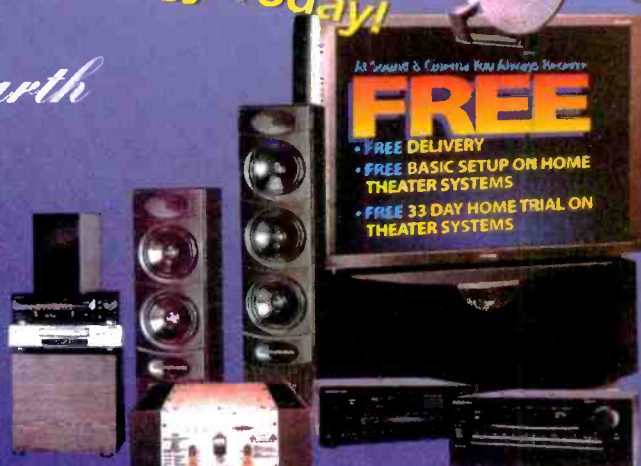
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# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
TOTEM ACOUSTIC (Continued)	1	Bass Ref.	No	5			1	Dome	50-20 ±3	87	2.7k	6/4	13 x 7 x 9	Opt.	Blk. Knit	9	1595.00 Pair; Bi-Wired, 1795.00
	Staf	Bass Ref.	No	5			1	Dome	39-22 ±3	88	2.8k	8/6	36 x 6 x 10	Opt.	Blk. Knit	30	1495.00 Pair
	Rokk	Bass Ref.	No	5			1	Dome	50-20 ±2	88	2.5k	7/4	15 x 7 x 10	Opt.	Blk. Knit	11	895.00 Pair
	Mite/T	Bass Ref.	No	5			1	Dome	46-20 ±3	88	2.8k	7/4	21 x 6 x 9	Opt.	Blk. Knit	17	995.00 Pair
	Mite	Bass Ref.	No	5			1	Dome	50-20 ±3	86	2.5k	6/4	11 x 6 x 9	Opt.	Blk. Knit	9	600.00 Pair
	Mite TC	Ctr. Ch., Bass Ref.	Yes	5			1	Dome	46-20 ±3	88	2.8k	6/4	21 x 6 x 9	Opt.	Blk. Knit	17	495.00 Each
TRANS-LINEAR	Elan	Compound Damping	No	(2)6			1	Dome	32-20 ±3	90	3.5k	4/3	8 x 8 x 24	Blk. Opt.	Blk. Knit	32	1900.00 Pair
	Esprit	Compound Damping	No	12	5	Cone	1	Dome	25-20 ±3	90	470.3.5k	4/3	15 x 19 x 48	Blk. Opt.	Blk. Knit	80	3700.00 Pair
TRIAD SPEAKERS	InWall Silver LCR/4	In-Wall; Front Ch.; Sealed		(2)5½			1	Dome	80-20 ±3	90	3.2k	4/3	19 x 11 x 4		Metal	22	
	InWall Silver LCR/6	In-Wall; Front Ch.; Sealed		(2)5½			1	Dome	80-20 ±3	90	3.2k	4/3	19 x 11 x 6		Metal	22	
	InRoom Silver LCR	Front Ch.; Sealed		(2)5½			1	Dome	80-20 ±3	90	3.2k	4/3	19 x 11 x 6		Metal	19	800.00 Each
	InRoom Gold LCR	THX; Front Ch.		(2)6½			1	Dome	80-20 ±3	89	3.2k	4/3	17 x 9 x 8	Opt.	Metal	25	1000.00 Each
	InRoom Gold LCR Horz	Front Ch.		(2)6½			1	Dome	80-20 ±3	89	3.2k		22 x 8 x 9	Opt.	Metal	25	1150.00 Each
	InWall Gold LCR/10	THX; In-Wall; Front Ch.		(2)6½			1	Dome	80-20 ±3	89	3.2k	4/3	19 x 11 x 10		Metal	25	
	InWall Silver Surround	THX; In-Wall; Surround; Sealed		(2)5½			(2)1¼	Domes	85-20 ±3	90	2.6k	4/3	14 x 14 x 4		Metal	20	
	InWall Gold Surround	THX; Sealed Dipole		(2)6½			(2)1	Domes	60-20	90	3k	4/4	14 x 19 x 4		Metal	35	1100.00 Each
	OnWall Silver Surround	THX; On-Wall; Surround; Sealed		(2)5½			(2)1¼	Domes	85-20 ±3	90	2.6k	4/3	14 x 14 x 5		Metal	20	900.00 Each
	OnWall Gold Surround	THX; Sealed Dipole		(2)6½			(2)1	Domes	60-20	90	3k	4/4	13 x 18 x 6		Metal	35	1100.00 Each
	InWall THX Woofer	THX; In-Wall; Sealed Woofer		(2)10					35-80 ±3	85	80	4/3	19 x 14 x 12		Metal	45	
	InRoom THX Woofer	THX; Woofer		(2)10					35-80 ±3	85	80	4/3	18 x 20 x 18	Granite	Blk. Cloth	70	1000.00 Each
	InWall Bronze Satellite	In-Wall; Sealed Sat.		4½			¾	Dome	110-20 ±3	89	2.5k	4/3	11 x 7 x 4		Opt.	7	
	InWall Silver Satellite	In-Wall; Sealed Sat.		5½			1	Dome	100-20 ±2.5	90	2.5k	8/6	12 x 8 x 4		Opt.	9	
	InWall Gold Satellite	In-Wall; Sealed Sat.		6½			1	Dome	72-20 ±2	87	2.5k	8/6	19 x 11 x 4		Opt.	14	
	InWall Omni	In-Wall; Ported Sat.		5¾			2¼	Cone	85-16 ±3	85	2.8k	8/6	12 x 8 x 4		Opt.	8	
	InWall Bronze/4	In-Wall; Sealed		10					20-180 Hz	90	50-180	8/6	19 x 14 x 4		Opt.	32	
	PowerSub	Sealed Servo Sub.		10					20-180 Hz +0,-3	90	50-180 (Adj.)	8/6	19 x 14 x 6		Metal	40	Sys. 40
	InWall Bronze/6	In-Wall; Sealed		10					20-180 Hz +0,-3	88	50-180 (Adj.)	4/3	19 x 14 x 4		Metal	48	Sys. 48
	PowerSub	Sealed Servo Sub.		(2)8					20-180 Hz +0,-3	88	50-180 (Adj.)	4/3	14 x 14 x 6		Opt.	50	Sys. 50
	InWall Silver/4	In-Wall; Dual Encl.		(2)8					20-180 Hz +0,-3	90	50-180 (Adj.)	4/3	19 x 14 x 4		Opt.	52	Sys. 52
	PowerSub	Sealed Servo Sub.		(2)8					20-180 Hz +0,-3	90	50-180 (Adj.)	4/3	19 x 14 x 6		Opt.	52	Sys. 52
	InWall Silver/6	In-Wall; Dual Encl.		(2)8					20-180 Hz +0,-3	89	2.5k	4/3	9 x 5 x 5	Opt.	Blk. Cloth	7	250.00 Each
	PowerSub	Sealed Servo Sub.		(2)10					110-20 ±3	90	2.5k	8/6	11 x 6 x 6	Opt.	Blk. Cloth	11	350.00 Each
	InWall Gold/4	In-Wall; Dual Encl.		(2)10					100-20 ±2.5	87	2.5k	8/6	13 x 8 x 7	Opt.	Blk. Cloth	15	425.00 Each
	PowerSub	Sealed Servo Sub.		(2)10					72-20 ±2	87	2.5k	8/6	15 x 14 x 13	Opt.	Blk. Cloth	42	1000.00 Each
	InWall Gold/6	In-Wall; Dual Encl.		(2)10					20-180 Hz +0,-3	88	50-180 (Adj.)	4/3	16 x 17 x 16	Granite	Blk. Cloth	65	1250.00 Each
PowerSub	Sealed Servo Sub.		18					20-180 Hz +0,-3	90	50-180 (Adj.)	4/3	18 x 19 x 17	Granite	Blk. Cloth	80	1500.00 Each	
InRoom Bronze Satellite	Sat.		4½			¾	Dome	110-20 ±3	89	2.5k	4/3	20 x 20 x 19	Opt.	Blk. Cloth	90	2000.00 Each	
InRoom Silver Satellite	Sat.		5½			1	Dome	100-20 ±2.5	90	2.5k	8/6	20 x 20 x 19	Opt.	Blk. Cloth	90	2000.00 Each	
InRoom Gold Satellite	Sat.		6½			1	Dome	72-20 ±2	87	2.5k	8/6	20 x 20 x 19	Opt.	Blk. Cloth	90	2000.00 Each	
InRoom Bronze PowerSub	Powered Sub.		10					20-180 Hz +0,-3	90	50-180 (Adj.)	8/6	15 x 14 x 13	Opt.	Blk. Cloth	42	1000.00 Each	
InRoom Silver PowerSub	Powered Sub.		(2)8					20-180 Hz +0,-3	88	50-180 (Adj.)	4/3	16 x 17 x 16	Granite	Blk. Cloth	65	1250.00 Each	
InRoom Gold PowerSub	Powered Sub.		(2)10					20-180 Hz +0,-3	90	50-180 (Adj.)	4/3	18 x 19 x 17	Granite	Blk. Cloth	80	1500.00 Each	
InRoom Platinum PowerSub	Sealed Servo Sub.		18					18-180 Hz +0,-3	92	50-180 (Adj.)	8/8	20 x 20 x 19	Opt.	Blk. Cloth	90	2000.00 Each	
TRIANGLE	Sat I	Ctr. Ch.	Yes	5½			1	Dome	60-20 ±3	92		6/4	20 x 8 x 13	Sienna	Blk. Knit	31	695.00 Each
	Sat II	Surround Ch.	No	(2)6½	5½	Cone	1	Dome	120-8 ±3	91		6/4	8 x 9 x 6	Sienna	Blk. Knit	15	395.00 Pair
	Sat III	Powered Sub.	No	(2)6½			1	Dome	32-160 Hz ±3	91	60-160 (Adj.)	4/4	21 x 20 x 13	Opt.	Blk. Knit	55	1195.00 Each
	Titus	Bass Ref.	No	5½			1	Dome	60-20 ±3	90	6.2k	4/4	12 x 8 x 11	Sienna	Blk. Knit	15	650.00 Pair
	Comete	Bass Ref.	No	6¼			1	Dome	50-20 ±3	91	4.5k	4/4	16 x 8 x 12	Sienna	Blk. Knit	19	795.00 Pair
	Lurn	Bass Ref.	No	6¼			¾	Dome	50-20 ±3	91	5k	6/4	33 x 9 x 12	Sienna	Blk. Knit	26	950.00 Pair
	Zephyr	Bass Ref.	No	6¼			1	Dome	45-20 ±3	91	4k	4/4	36 x 9 x 12	Sienna	Blk. Knit	33	1195.00 Pair
	Antal	Bass Ref.	No	6¼			1	Dome	40-20 ±3	91	400.4.2k	4/4	40 x 9 x 12	Sienna	Blk. Knit	44	1795.00 Pair
	Zays	Bass Ref.	No	(2)6¼	6¼	Cone	1	Dome	40-20 ±3	92	300.6k	4/4	45 x 10 x 11	Ash	Blk. Knit	75	2700.00 Pair
	Extan	Bass Ref.	No	(3)6¾	6¾	Cone	1	Dome	38-20 ±3	92	250.6k	4/4	50 x 11 x 13	Mahogany	Blk. Knit	84	4700.00 Pair
T-TECH	Prestant-I	Sub.	No	(2)15					16-125 Hz ±4	92	125	8/3	38 x 23 x 26	Wal.	None	180	5700.00 Pair
	Positiv-I	Sat.	Yes	8	5	Cone	1	Dome	125-21 ±4	91		8/3	24 x 14 x 11	Wal.	Brown	50	1800.00 Pair
ULTIMATE SOUND	TWR-1000	Pas. Rad.	Yes	10	(2)5¼	Cones	1	Dome	35-20	92	6/	6/	45 x 18 x 15	Blk. Lacq.	Blk. Metal	60	499.95 Each
	TWR-1200	Pas. Rad.	Yes	12	(2)5¼	Cones	1	Dome	30-20	92	6/	6/	51 x 20 x 19	Blk. Lacq.	Blk. Metal	82	599.95 Each
	SFS-802	Main & Surround	Yes	8			½	Dome	50-25		6/	6/	16 x 10 x 13	Charcoal	Blk. Knit	15	79.95 Each
(Continued)	SC-45	Ctr. Ch.	Yes	(2)4½			½	Dome	100-25		6/	6/	6 x 16 x 5	Oak Vinyl Charcoal	Blk. Knit	13	79.95 Each



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms, Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
ULTIMATE SOUND (Continued)	SW-608 (w/remote)	Powered Sub.	Yes	8					40-150 Hz			4/	18 x 13 x 13	Charcoal Oak Vinyl	Blk. Knit	33	249.95 Each
	SW-1010 (w/remote)	Powered, Pas. Rad. Sub.	Yes	10					30-150 Hz			4/	18 x 13 x 17	Charcoal Oak Vinyl	Blk. Knit	35	349.95 Each
	SW-1212 (w/remote)	Powered, Pas. Rad. Sub.	Yes	12					20-150 Hz			4/	19 x 15 x 17	Charcoal Oak Vinyl	Blk. Knit	55	399.95 Each
U.S. ENCLOSURE	F60B	Sealed Sphere	No		4	Whizzer Cone			60-20	90		8/4	7 x 7 x 5	Opt.	Blk. Metal	2	42.00 Each
	T100C	Phased Array Add-On Tweeter Ported Sphere	No					Dome	1.6k-25k	90	1.6k	8/4	9 x 9 x 9	Opt.	Blk. Metal	8	From 150.00 Each
	F60G	Ported Sphere	No		8	Whizzer Cone Cones			36-17	94		8/4	16 x 16 x 15	Opt.	Blk. Metal	7	95.00 Each
	O220F	Outdoor, Sphere	No	(2)6½	(2)5¼		(4)1	Domes		89	2k	8/4	Four Pieces	Opt.	Blk. Metal	26 Sys.	295.00 Sys.
	W150K	Sub.	No	12					19-5	91		8/4	24 x 24 x 21	Opt.	Blk. Metal	25	185.00 Each
VANDER-STEEN AUDIO	Five	Powered, Biamped	No	12.7	4½	Cone	1,¾	Domes	22-30 ±3	87	100,600, 5k,12k	6/4	14 x 20 x 42	Opt., Wood	Opt., Knit	225	9800.00 Pair
	VCC-1	Ctr. Ch., Coaxial Trans. Line	Yes	6½			1	Dome	150-21 ±3	86	3.8k	8/6	12 x 10 x 9	Opt., Wood	Opt., Knit	27	495.00 Each
	1C		No	8			1	Dome	38-20 ±3	90	2.8k	8/6	12 x 10 x 36	Opt., Wood	Opt., Knit	50	715.00 Pair
	2Ce		No	10.8	4½	Cone	1	Dome	29-29 ±3	88	600,5k	8/4	16 x 10 x 40	Opt., Wood	Opt., Knit	70	1295.00 Pair
	3A		No	10.8	4½	Cone	1	Dome	26-30 ±3	89	500,5k	6/4	16 x 10 x 48	Opt., Wood	Opt., Knit	102	2795.00 Pair
2Wa	Powered, Inf. Buf. Sub. On-Wall, Coaxial	No	(3)8					22-80 Hz ±3		80		18 x 17 x 18	Opt., Wood	Opt., Knit	91	1250.00 Each w/Amp	
VSM-1		No	6½			1	Dome	60-21 ±3	88	3.8k	8/6	12 x 5 x 24	Opt., Wood	Opt., Knit	31	895.00 Pair	
VECTOR RESEARCH	VRP-475	Sats. & Sub.	Yes	8	3½	Cone	2½	Cone	28-20 ±3	90	150,3.5k	6/	Three Pieces	Blk. Vinyl	Blk. Alum.	26 Sys.	1099.00 Sys.
	VRP-400	Sats. & Ctr. Ch.	Yes	(2)4	3½	Cone	2½	Cone	55-20	87		4/	Three Pieces	Blk. Vinyl	Blk. Alum.	22 Sys.	799.00 Sys.
	VRP-1210	Powered Sub.	Yes	10					25-125 Hz ±3	90	50-125 (Adj.)	8/		Blk. Vinyl	Blk. Knit	22 Sys.	799.00 Each
VELODYNE ACOUSTICS	LD-1		Yes	6			1	Dome	90-20 ±3	88	3k	6/4	13 x 8 x 8	Blk.	Blk. Knit	13	199.00 Each
	LD-2		Yes	6			1	Dome	80-20 ±3	88	3k		14 x 8 x 9	Blk.	Blk. Knit	18	399.00 Each
	LD-3C		Yes	(2)6			1	Dome	70-20 ±3	88	3k		8 x 21 x 10	Blk.	Blk. Knit	32	649.00 Each
	VT-10	Ctr. Ch. Powered Sub.	Yes	8			1	Dome	35-120 Hz ±3	89	3k		18 x 10 x 14	Blk.	Blk. Knit	35	349.00 Each
	VT-20	Powered Sub.	Yes	10					30-120 Hz ±3				18 x 12 x 16	Blk.	Blk. Knit	40	449.00 Each
	VT-30	Powered Sub.	Yes	12					28-120 Hz ±3				18 x 14 x 17	Blk.	Blk. Knit	45	579.00 Each
	VA-806	Powered, Pas. Rad. Sub.	Yes	6					39-150 Hz ±3				14 x 13 x 13	Blk.	Blk. Knit	28	499.00 Each
	VA-907.2	Powered, Pas. Rad. Sub.	Yes	8					35-120 Hz ±3				15 x 15 x 15	Blk.	Blk. Knit	45	599.00 Each
	VA-1210	Powered, Pas. Rad. Sub.	Yes	10					28-120 Hz ±3				18 x 17 x 18	Blk.	Blk. Knit	56	799.00 Each
	VA-1512	Powered, Pas. Rad. Sub.	Yes	12					22-120 Hz ±3				19 x 18 x 19	Blk.	Blk. Knit	67	999.00 Each
	VA-8100X	Powered, Pas. Rad. Sub.	Yes	8					35-120 Hz ±3				16 x 15 x 15	Blk.	Blk. Knit	45	599.00 Each
	VA-1012XII	Powered, Pas. Rad. Sub.	Yes	10					28-120 Hz ±3				18 x 17 x 17	Blk.	Blk. Knit	56	799.00 Each
	VA-1215XII	Powered, Pas. Rad. Sub.	Yes	12					22-120 Hz ±3				19 x 18 x 19	Blk.	Blk. Knit	67	999.00 Each
	FSR-10 (w/remote)	Powered Servo Sub.	No	10					20-120 Hz ±3				16 x 13 x 11	Opt.	Blk. Knit	50	1199.00 Each
	FSX-12 (w/remote)	Powered Servo Sub.	No	12					20-120 Hz ±3				18 x 17 x 14	Blk.	Blk. Knit	60	1199.00 Each
	FSR-12 (w/remote)	Powered Servo Sub.	No	12					20-120 Hz ±3				18 x 17 x 14	Opt.	Blk. Knit	60	1299.00 Each
	FSR-15 (w/remote)	Powered Servo Sub.	No	15					18-120 Hz ±3				22 x 20 x 18	Opt.	Blk. Knit	95	1699.00 Each
F-1800R II (w/remote)	Powered Servo Sub.	Yes	18					15-120 Hz ±3				24 x 21 x 19	Blk.	Blk. Knit	105	1999.00 Each	
HGS-12 (w/remote)	Powered Servo Sub.	Yes	12					20-120 Hz ±3				15 x 15 x 15	Blk. Gloss	Blk. Knit	60	1999.00 Each	
VIDEOTON	Mini-Max Preludium	Inf. Buf. Inf. Buf.		5¼			1	Dome	70-20 ±5	90		8/6	11 x 7 x 7	Blk.	Blk.	10	299.95 Pair
				8			1	Dome	50-20 ±3	90		8/6	9 x 10 x 9	Blk.	Blk.	28	599.95 Pair
VIENNA ACOUSTICS BY SUMIKO	Center-Speaker	Ctr. Ch.: Ported	Yes	5½			1	Dome	42-20	89		6/4	7 x 14 x 10	Opt., Wood	Blk. Silk	19	500.00 Each
	Maestro	Ctr. Ch.: Ported	Yes	(2)5½			1	Dome	35-22	89		6/4	21 x 7 x 11	Opt., Wood	Blk. Silk	23	995.00 Each
	Haydn	Ported		7			1	Dome	42-20	90		6/4	7 x 14 x 10	Opt., Wood	Blk. Silk	19	895.00 Pair
	Bach	Ported		7			1	Dome	38-20	90		6/4	8 x 33 x 10	Opt., Wood	Blk. Silk	34	1500.00 Pair
	Mozart	Ported		(2)5½			1	Dome	35-22	90		6/4	7 x 38 x 12	Opt., Wood	Blk. Silk	44	2500.00 Pair
	Beethoven	Ported		(2)8	(2)5½	Cones	1	Dome	30-22	90		4/3	8 x 40 x 14	Opt., Wood	Blk. Silk	54	4500.00 Pair
VINCE CHRISTIAN LIMITED	Axis 10.5	Dynamic	No	8	4	Cone	1	Dome	50-20 ±1.5	90	150.5k	8/	38 x 10 x 13	Cloth Wrap	Gray	53	2500.00 Pair
VINTEC ACOUSTICS	Vision Theatre System	5 Sats. & 2 Subs.	Yes	(4)10	(8)6¼	Cones	(5)1	Domes	28-22 ±2	87	80,2k	6/2	Seven Pieces	Opt.	Blk. Knit	389 Sys.	7500.00 Sys.
	Vista	Vented Sub.	No	(2)6½			1	Dome	36-20 ±2	90	2k	4/2	40 x 9 x 13	Opt.	Blk. Knit	65	2400.00 Pair
	Vesuvius		No	(2)18					10-200 Hz ±2	95		4/2	45 x 24 x 24	Opt.	Blk. Knit	140	2800.00 Each
	Vibrato	Compound Sub.	No	(2)10					18-200 Hz ±3	85		4/2	23 x 18 x 18	Opt.	Blk. Knit	69	1350.00 Each
	Vanguard	Compound, Vented	No	(2)10	6¼	Cone	1	Dome	28-22 ±1	85	80,2k	4/2	50 x 12 x 16	Opt.	Blk. Knit	85	3000.00 Pair
Vintage	Vented	No	8			1	Dome	40-22 ±1	87	1.8k	6/4	28 x 12 x 14	Opt.	Blk. Knit	56	1800.00 Pair	
Valour	Vented	No	6¼			1	Dome	50-22 ±1	85	2k	8/4	16 x 9 x 12	Opt.	Blk. Knit	27	1300.00 Pair	
Virtual	Omni	No	(4)6¾	(2)1	Domes	(2)¾	Domes	32-25 ±2	93	2k,5k	3/1	60 x 24 x 8	Opt.	Blk. Knit	65	3250.00 Each	



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
VMPS	QSO 626	Ported	Yes	(2)6½			1	Dome	42-18	89	3.5k	4/4	22 x 9 x 13	Dak	Blk.	35	349.00 Each
	QSO 626 SE	Ported	No	(2)6½			1	Dome	40-18	89	3.2k	4/4	22 x 9 x 13	Oak	Blk.	40	599.00 Each
	QSO 808	Ported		12	5	Cone	1	Dome	34-20 ±3	94	600,5k	8/6	26 x 15 x 12	Oiled Wal.	Blk. Knit	50	758.00 Pair
	QSO 404	Ported		8			1	Dome	48-17 +0, -3	90	3.5k	8/6	18 x 12 x 9	Diled Wal.	Blk. Cloth	25	229.00 Each
	Mini Tower IIa	Pas. Rad.		(2)10	5	Cone	(2)1	Dome, Piezo	28-30 +0, -3	92	500,4.5k, 15k	8/6	39 x 12 x 15	Dpt., Wood	Blk. Cloth	70	479.00 Each
	Tower II	Multiband Bass		(3)12	5	Cone	1,(1)	Dome, Piezo	22-50 ±3	95	80,400,4k, 12k	4/4	43 x 15 x 15	Oiled Wal.	Blk. Knit	95	1298.00 Pair
	Tower II	Multiband Bass		(3)12	5	Cone	1,2	Dome, Piezo	22-50 +0, -3	94	80,600,5k, 15k	4/4	15 x 16 x 45	Dak	Blk.	100	1876.00 Pair
	Special Edition Super Tower/R	Multiband Bass		(2)15, (2)12	(2)5	Cones	(2)1, (2)2	Domes, Ribbons	20-50 ±3	96	80,400,4k, 12k	4/4	49 x 22 x 17	Oiled Wal.	Blk. Knit	150	1998.00 Pair
	Super Tower/R	Multiband Bass		(2)15, (2)10	(2)5	Cones	(2)1,2	Domes, Ribbons	20-50 +0, -3	94	80,600,5k, 15k	4/4	18 x 18 x 52	Dak	Blk.	175	3400.00 Pair
	Special Edition Super Tower III			15, (4)12	72	Ribbon	2	Ribbon	14-50 +0, -3	89	450,15k	6/6	76 x 19 x 17	Blk. Granite	Blk.	500	14,900 Pair
	Special Ribbon Edition Smaller Subwoofer	Pas. Rad. Sub.		12					28-600 Hz ±3	92	Var.	8/6	26 x 15 x 16	Oiled Wal.	Blk. Knit	52	359.00 Each
	Original Subwoofer	Pas. Rad. Sub.		12					19-600 Hz ±3	94	Var.	8/6	27 x 22 x 17	Oiled Wal.	Blk. Knit	95	459.00 Each
	Larger Subwoofer	Pas. Rad. Sub.		15,12					17-250 Hz ±3	95	Var.	4/3	39 x 22 x 17	Oiled Wal.	Blk. Knit	140	649.00 Each
	Dedicated Subwoofer	Pas. Rad. Sub.		(2)12					26-300 Hz ±3	92	100	8/6	27 x 15 x 16	Oak	Blk.	85	459.00 Each
	Dipole Surround	Dynamic Dipole Surround		(2)6			(2)1	Domes	55-18 ±3	88	2.3k	4/4	12 x 8 x 7	Blk.	Blk. Cloth	22	349.00 Each
FF1			(3)12	(2)6	Planar	(2)1,3	Domes, Ribbon	14-50 +0, -3	91	500,4.5k, 15k	4/4	68 x 15 x 17	Opt.	Blk. Cloth	350	6800.00 Pair	
FF3			(3)10	(2)6	Planar	(2)1,3	Domes, Ribbon	25-50 +0, -3	89	80,600,4k, 15k	4/4	64 x 13 x 17	Dpt.	Blk. Cloth	300	4400.00 Pair	
VOCE DIVINA	Tenore		No	7			1	Inv. Dome	42-22	91	3.2k	8/6	44 x 10 x 13	Opt., Wood		110	8495.00 Pair
	Soprano		No	7			1	Inv. Dome	45-22	90	3.5k	8/6	12 x 9 x 13	Dpt., Wood		40	4495.00 Pair
	Basso Baritone	Isobaric Sub. Powered, Isobaric Sub.	No	10				Dome	18-80 Hz	89		4/2	24 x 15 x 17	Blk.		125	2995.00 Each
			No	8				20-80 Hz	88				Blk.		75	1995.00 Each	
VON SCHWEIKERT RESEARCH	VR-1000	Main Ch.; Vented	No	8	5½	Cone	(2)1	Domes	26-25 ±3	90	200,2k	8/6	8 x 16 x 40	Blk. Wood	Blk. Knit	70	1195.00 Pair
	VR-2000	Main Ch.; Vented	No	10	5½	Cone	(2)1	Domes	24-30 ±3	92	200,2k	8/6	8 x 16 x 42	Blk. Wood	Blk. Knit	80	1595.00 Pair
	VR-3000	Main Ch.; Powered Woofers	No	(2)10	5½	Cone	(2)1	Domes	10-40 ±6	96	180,2k	8/6	8 x 16 x 44	Blk. Wood	Blk. Knit	100	2495.00 Pair
	LCR-10	Main or Ctr. Ch.	Yes	(2)5½			1	Dome	32-20 ±3	90	2k	8/6	21 x 7 x 7	Blk. Wood	Blk. Knit	10	395.00 Each
	LCR-20	Main or Ctr. Ch.	Yes	(2)5½			1	Dome	28-30 ±3	91	2k	8/6	20 x 10 x 7	Blk. Wood	Blk. Knit	15	595.00 Each
	LCR-30	Main or Ctr. Ch.	Yes	7	5½	Cone	1	Dome	22-30 ±3	92	300,3k	8/6	12 x 10 x 28	Blk.	Blk. Knit	25	1195.00 Each
	TS-100	Dipole Surround	Yes	5½			3½	Coax Cone	55-20	88	300	8/6	8 x 6 x 16	Blk.	Blk. Knit	8	395.00 Pair
	TS-200	Tripole Surround	No	5½	4	Coax Cone	1	Dome	35-25	90	300,2k	8/6	6 x 12 x 20	Dpt.	Fabric	18	795.00 Pair
	TS-300	Tripole Surround	No	10	(3)5½	Cones	(3)1	Domes	26-30	92	200,2k	8/6	7 x 16 x 42	Opt.	Opt.	85	2195.00 Pair
	Tower of Power	Powered Sub.	No	(2)10					10-80 Hz	92	40-80	8/6	7 x 16 x 42	Opt.	Opt.	85	1495.00 Each
VR-3	Time Compensated	No	10	5½	Cone	1	Dome	26-25	87	175,3k	8/6	44 x 12 x 16	Dpt.	Fabric	85	2000.00 Pair	
VR-4	Time Compensated	No	(2)8	5½	Cone	1	Dome	20-25	90	125,3.5k	8/6	46 x 14 x 20	Dpt.	Fabric	150	3650.00 Pair	
VR-4.5	Time Compensated	No	(2)9	5½	Cone	1	Dome	20-25	90	125,3.5k	8/6	46 x 14 x 20	Opt.	Opt.	150	5950.00 Pair	
VR-6	Time Compensated	No	(2)9	(2)5½	Cones	(2)1	Domes	18-40	96	200,2.5k	8/6	48 x 16 x 26	Opt.	Opt.	180	12,500 Pair	
VR-8	Time Compensated	No	13,10	(2)5½	Cones	(2)1	Domes	16-40	96	200,2.5k	8/6	65 x 24 x 28	Opt.	Opt.	450	18,500 Pair	
			No	(2)18, (4)10	(4)8	Cones	(3)1	Domes	10-100	96	50,200,2k, 10k	6/4	Four Pieces	Opt.	Opt.	2000	60,000 Sys.
WATERWORKS ACOUSTICS	Sounding Soundpipe One	Under-Water Indoor/Outdoor; Sealed	No	5	8	Piezo	½	Dome	200-20	87	6k	8/8	9 Dia. x 6	Plast.	Blk. Steel	16	1659.00 Each
	Sounding Soundpipe Two	Indoor/Outdoor; Sealed	No	(2)5			¾	Dome	80-20 ±3	90	3k	4/	23 x 6 x 9	Dpt.	Blk. Steel	11	699.00 Pair
	Sounding Soundpipe Pump	Indoor/Outdoor; Sealed	No	5			½	Dome	80-20 ±3	87	6k	8/	15 x 6 x 9	Dpt.	Blk. Steel	6	439.00 Pair
	Sounding Soundpipe Omni	Indoor/Outdoor; Sealed	No	4			(4)½	Domes	80-20 ±3	84	5k	8/	7 Dia. x 8	Opt.		7	349.00 Each
	Sounding Soundpipe Sub	Indoor/Outdoor; Sealed	No	10					30-100 Hz ±3	90	100	8/	16 Dia. x 18	Dpt.		25	599.00 Each
	Sounding Soundrock	Outdoor; Sealed Fiberglass Rock; Stereo or 70-V Mono	No	8			(2)¾	Domes	40-20 ±3	90	5k	8/	16 x 26 x 21	Opt.		30	249.00 Each
WAVEFORM ACOUSTICS	Mach 17	Tuned Port	No	(2)12	6	Cone	1	Dome	27-17 ±1	91.5	325,1.85k	8/4	Four Pieces	Lacq. Wal.	Blk. Knit	255	6995.00 Sys. w/Elec. Xover
	Columbine Aspen Continental Divide		Yes	(2)6	4	Cone	1	Dome									990.00 Pair
			No	(2)8	(2)6	Cones	¾	Cones									2950.00 Pair
			No	15	(4)8	Cones	75	Ribbon									20,000 Pair
WAVELENGTH AUDIO	JPO Memorial Spike	Ported Back Horn	No	6½	6½	Cone	¾	Horn	38-18 ±3	90	12k	8/8	25 x 12 x 18	Dpt. Wal.	Blk. Knit	45	1750.00 Pair
			No						40-35 ±3	95		8/8	42 x 12 x 24	Wal.		75	9500.00 Pair
WHARFEDALE	Modus Cube	Sat.		4	4		¾	Dome		87	8/	8/	6 x 6 x 5	Opt.		2	199.00 Pair
	Modus Micro	Sat.		7			¾	Dome		86	8/	8/	6 x 6 x 5	Opt.		5	299.00 Pair
	Modus Music Two	Bass Ref.		7			¾	Dome	45-20	89	8/	8/	16 x 9 x 12	Blk. Ash	Blk. Knit	14	550.00 Pair
	Modus Music Four	Bass Ref.		7			¾	Dome	40-20	89	8/	8/	26 x 9 x 12	Blk. Ash	Blk. Knit	17	750.00 Pair
Modus Music Eight	Bass Ref.		7	7	Cone	¾	Dome	35-20	90	8/	8/	33 x 9 x 12	Blk. Ash	Blk. Knit	26	1250.00 Pair	

(Continued)



# LOUDSPEAKERS

MANUFACTURER	Model	Application, Design Principle, Enclosure or System Type	Magnetic Shielding?	Woofer Diameter, Inches	Midrange Diameter, Inches	Midrange Type	Tweeter Diameter, Inches	Tweeter Type	Anechoic Frequency Response, Hz to kHz, ±dB	SPL, 1 Watt/1 Meter, dB	Crossover Frequencies, Hz	Impedance, Ohms: Nominal/Minimum	Dimensions, Inches (To Nearest Inch)	Finish	Grille Color and Material	Weight, Pounds Each	Price, \$
WHARFEDALE (Continued)	Modus Music One-Six	Bass Ref.	No	7	7	Cone	¾	Dome	30-20	90		8/	44 x 9 x 12	Blk. Ash	Blk. Knit	34	1550.00 Pair
	Modus Monitor MFM-1	Ported	No	7			1	Dome	35-20	89		8/	20 x 9 x 12	Blk. Ash	Blk. Cloth	20	700.00 Pair
	Modus Monitor MFM-3	Ported		7			1	Dome		89		8/	34 x 9 x 12	Blk. Ash	Blk. Cloth		1000.00 Pair
	Modus Monitor MFM-5	Ported		7	7	Cone	1	Dome	30-20	90		8/	34 x 9 x 12	Blk. Ash	Blk. Cloth	26	1300.00 Pair
	Modus Power Sub-Bass	Powered Sub.	No	(2)8							40-120		17 x 9 x 23	Blk. Ash		37	700.00 Each
	Modus Music Centre Diamond 7.1	Ctr. Ch.	Yes	(2)4¾			1	Dome	40-20	89		8/	7 x 20 x 8	Blk. Ash	Blk. Cloth	12	450.00 Each
	Diamond 7.2		No	4¾			1	Dome	40-20 ±2	89		8/	12 x 8 x 7	Blk. Ash	Blk. Knit	9	250.00 Pair
	Diamond 7.3		No	4¾			1	Dome	40-20 ±2	89		8/	12 x 8 x 10	Blk. Ash	Blk. Knit	11	350.00 Pair
				4¾			1	Dome	38-20 ±2	89		8/	12 x 28 x 9	Blk. Ash	Blk. Knit	11	600.00 Pair
	Valdus Center	Ctr. Ch., Ported	Yes	(2)4			1	Dome	75-20	90		8/	6 x 17 x 6	Blk. Ash	Blk. Knit	7	250.00 Each
	Valdus 100	Bass Ref.		5¼			1	Dome	58-20	88		8/	11 x 7 x 7	Blk. Ash	Blk. Knit	7	250.00 Pair
	Valdus 200	Bass Ref.		7			1	Dome	48-20	89		8/	15 x 8 x 9	Blk. Ash	Blk. Knit	12	350.00 Pair
	Valdus 300	Bass Ref.		8			1	Dome	45-20	90		8/	19 x 10 x 9	Blk. Ash	Blk. Knit	18	450.00 Pair
	Valdus 400	Ported		8	8	Cone	1	Dome	38-20	94		8/	10 x 32 x 11	Blk. Ash	Blk. Knit	27	750.00 Pair
	Valdus 500	Bass Ref.		(2)8	8	Cone	1	Dome	38-20	91		8/	43 x 10 x 12	Blk. Ash	Blk. Knit	55	1000.00 Pair
Emerald 93	Bass Ref.		7			1	Dome	48-20	89		8/	19 x 9 x 11	Opt., Wood	Blk. Knit		1300.00 Pair	
Emerald 95	Bass Ref.		7			1	Dome	48-20	89		8/	33 x 9 x 11	Opt., Wood	Blk. Knit		1700.00 Pair	
Emerald 97	Bass Ref.		7	7	Cone	1	Dome	48-20	89		8/	36 x 9 x 11	Opt., Wood	Blk. Knit		2000.00 Pair	
WILSON AUDIO SPECIALTIES	XS	Ported Sub.	No	(2)18					15-50 Hz ±1.5	95	50	4/4	26 x 28 x 86	Opt.	Blk.	750	From 16,950 Each
	Cub	Ported	Opt.	(2)6½			1	Dome	50-22 ±1.5	91	2.5k	4/4	10 x 19 x 22	Opt.	Blk.	80	From 5900.00 Pair
	WITT II	Ported	No	12	6	Cone	1	Inv. Dome	28-22 ±1.5	93	175,2.5k	4/4	17 x 16 x 43	Opt.	Blk.	230	From 11,890 Pair
	Watt V	Ported	No	7			1	Dome	55-22	91	2.5k		12 x 17 x 14	Opt.	Blk.	65	From 8610.00 Pair
	Puppy V.1	Ported Sub.	No	(2)8					26-125 Hz	91	125		24 x 11 x 18	Opt.	Blk.	95	From 8660.00 Pair
	Whow 3	Ported Sub.	No	15						93	55		16 x 30 x 40	Opt.	Blk.	Fr. 270	From 10,945 Each
	X-1 Grand Slam Series II	Ported	No	15,12	(2)6½	Cones	(3)1	Domes	19-27	95		5/5	16 x 25 x 72	Opt.	Blk.	450	From 75,900 Pair
WAMM VII		No	18, (2)13	(2)4	Cones	(9)5x5	ES					2 Towers & 2 Tower Subs	Opt.	Blk.		From 156,000 Sys. w/EQ	
WIN RESEARCH	SM-8	Tuned Port	Yes	8			1½	Planar	45-30 ±2	90	1.7k	8/6	20 x 30 x 11	Blk. Lacq.	None	65	5500.00 Pair
	SMD-6	D'Appolito	Yes	6			1½	Dome	45-30 ±2	85	1.5k	8/6	15 x 40 x 11	Wai.	None	75	5000.00 Pair
WOLCOTT AUDIO	Omnisphere MDH-2B/2C	Ported; Omni	No	(4)6½			1¾ or 1¾	Dome	30-18 ±3	90	1.8k	6/3	21 x 21 x 48	Opt., Blk.	Blk. Foam	Fr. 110	From 4800.00 Pair
YAMAHA	CL-S100	5 Sats. & Powered Sub.	Yes	10	4	Cone	¾	Dome	25-22	88	4k	6/	Six Pieces	Blk.	Knit & Metal	72	699.00 Sys.
	Encore-2	4 Sats., Ctr. Ch. & Sub.	Yes	8	5		¾	Dome	23-20		6k	8/	Six Pieces	Blk.	Blk. Knit	76	499.00 Sys.
	NS-AP150	Ctr. & Surround Ch.	Yes	(3)5			¾	Dome	80-20 ±3.5		3.5k,6k	8/	Three Pieces	Blk.	Blk. Knit	27	179.00 Sys.
	NS-AP100	Ctr. & Surround Ch.	Yes	(2)5, 4¼			2	Cone	70-20 ±3.5			8/	Three Pieces	Blk.	Blk. Knit	13	149.00 Sys.
	NS-10MT	Bass Ref.	Yes	7			1¼	Dome	43-20	90		6/	9 x 15 x 10	Blk.	Blk. Knit	16	349.00 Each
	NS-A2836	Ac. Sus.	Yes	(2)8	4	Cone	1	Dome	50-20 ±3.5	92	3.8k,9.1k	8/	11 x 41 x 14	Blk.	Blk. Knit	37	From 149.00 Each
	NS-A1236	Ac. Sus.	Yes	12	4	Cone	1	Dome	40-20 ±3.5	92	600,4k	8/	15 x 39 x 13	Blk.	Blk. Knit	44	From 149.00 Each
	NS-A836	Ac. Sus.	Yes	12	4	Cone	1	Dome	50-20	92	6k,13k	8/	15 x 23 x 15	Blk.	Blk. Knit	34	150.00 Each
	NS-A636	Ac. Sus.	Yes	8	4	Cone	¾	Dome	90-22	91	4,2k,13k	8/	11 x 16 x 13	Blk.	Blk. Knit	17	175.00 Pair
	NS-A526	Ac. Sus.	No	6			¾	Dome	95-22	90	13.5k	8/	8 x 12 x 9	Blk.	Blk. Knit	9	125.00 Pair
	NS-A325	Ac. Sus. Sat.	Yes	3½			¾	Dome	150-22	87	3.5k	6/	4 x 8 x 4	Opt.	Opt., Knit	3	179.00 Pair
	NS-A425	Ac. Sus. Sat.	Yes	4			½	Dome	60-22	88		6/	6 x 9 x 4	Opt.	Opt., Knit	4	199.00 Pair
	NS-C150	Ctr. Ch.	Yes	(2)5			1	Dome	60-20	90		8/	24 x 6 x 8	Blk.	Blk. Knit	13	179.00 Each
	NS-AC141	Ctr. Ch.	Yes	(2)5¼			1	Dome	60-20	90		8/	19 x 7 x 8	Blk.	Blk. Knit	12	149.00 Each
	NS-AC2	Ctr. Ch.	Yes	(2)5			2	Cone	70-20	90		8/	18 x 5 x 5	Blk.	Blk. Knit	6	99.00 Each
NS-E60	Surround Ch.	Yes	(2)5	4				70-20	90		8/	7 x 10 x 4	Cream Matte Blk.	Cream Knit	3	118.00 Pair	
YST-SW300	Powered Servo Sub.	Yes	12					18-160 Hz +0,-10				16 x 20 x 17	Blk.	Blk. Knit	58	599.00 Each	
YST-SW150	Powered Servo Sub.	Yes	(2)8					20-160 Hz		40-140 (Var.)		10 x 26 x 17	Blk.	Blk. Knit	40	399.00 Each	
YST-SW80	Powered Servo Sub.	Yes	8					23-170 Hz		50-150 (Var.)		10 x 19 x 15	Blk.	Blk. Knit	27	299.00 Each	
YST-SW40	Powered Servo Sub.	Yes	8					30-300 Hz +0,-10				10 x 14 x 13	Matte Blk.	Blk. Knit	18	229.00 Each	
YST-SW20	Powered Servo Sub.	Yes	6¼					30-250 Hz				11 x 8 x 11	Blk.	Blk. Knit	13	169.00 Each	
YANKEE AUDIO	FPR-72 MkIII	Planar Ribbon	No		1020 Sq. In.				29-20	88	None	3/3	72 x 30 x 3	Opt., Solid Wood	Blk. Knit	135	From 12,000 Pair
	FPR-78	Planar Ribbon	No		1658 Sq. In.				22-20	88	None	4/4	78 x 36 x 3	Opt., Solid Wood	Blk. Knit	225	22,000 Pair
	FPR-V	Planar Ribbon & Vented Woofer	No	8			708 Sq. In.	Planar Ribbon	27-20	90	90	4/4	73 x 24 x 23	Opt., Solid Wood	Blk. Knit	135	6500.00 Pair
	FPR-III	Planar Ribbon & Vented Woofer	No	6½			531 Sq. In.	Planar Ribbon	35-20	90	125	4/4	73 x 20 x 18	Opt., Solid Wood	Blk. Knit	100	4400.00 Pair
	FPR-VII	Planar Ribbon & Vented Woofer	No	6½			280 Sq. In.	Planar Ribbon	35-20	90	160	4/4	73 x 20 x 16	Opt., Solid Wood	Blk. Knit	85	2200.00 Pair

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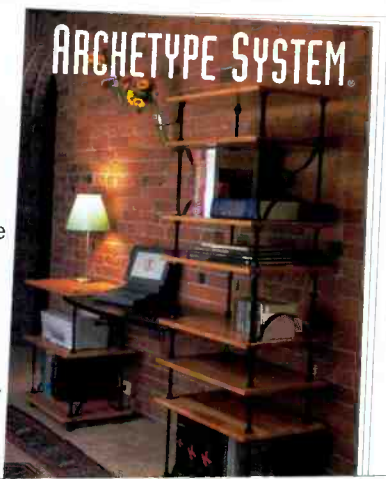
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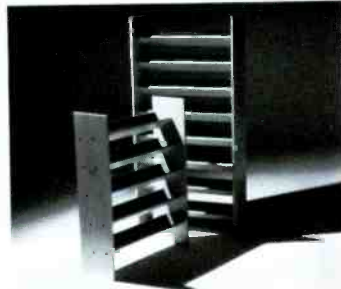
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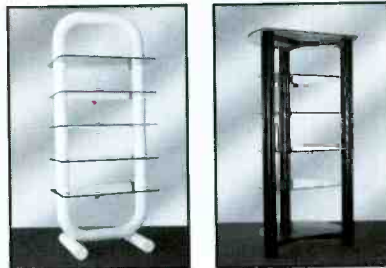
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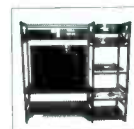
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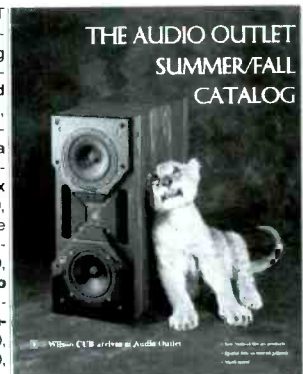
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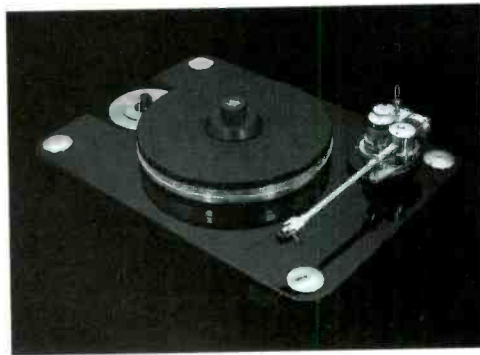
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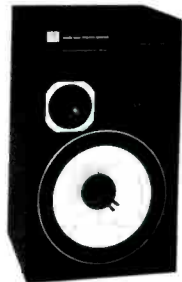
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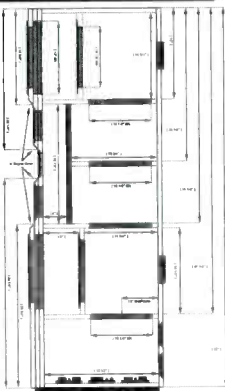
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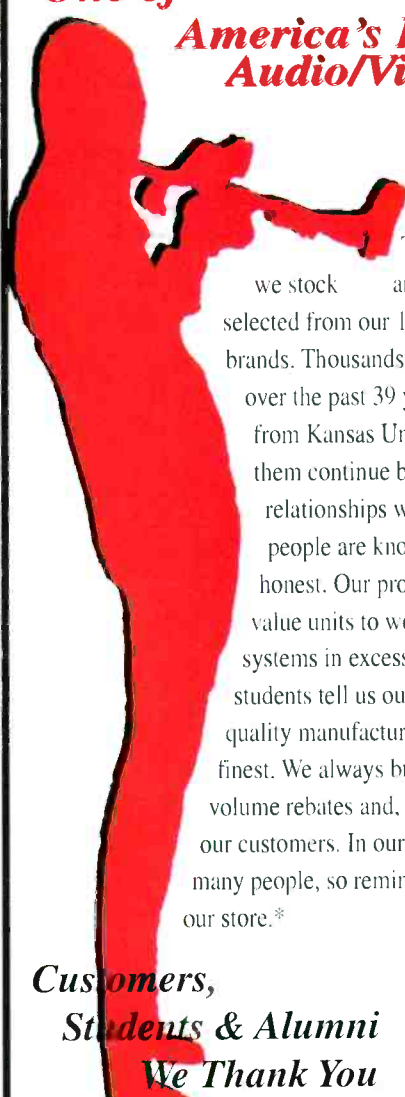
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**AUDIO**, October 1997, Volume 81, Number 10. **AUDIO** (ISSN 0004-752X, Dewey Decimal Number 621.381 or 778.5) is published monthly by Hachette Filipacchi Magazines, Inc., a wholly owned subsidiary of Hachette Filipacchi USA, Inc., at 1633 Broadway, New York, N.Y. 10019. Printed in U.S.A. at Dyersburg, Tenn. Distributed by Warner-Publisher Services Inc. Periodicals postage paid at New York, N.Y. 10019 and additional mailing offices. One-year subscription rates (12 issues) for U.S. and possessions, \$24.00; Canada, \$33.68 (Canadian Business Number 126018209 RT, IPN Sales Agreement Number 929344); and foreign, \$32.00.

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# PlayBack

## Recoton W410 Portable Outdoor/Indoor Speaker

I've not yet installed outdoor speakers in my back yard. But I do have music there, even far from AC outlets. It comes from the Recoton W410. The W410 is one of several Recoton 900-MHz wireless speakers and headphones, all using identical transmitters that connect to your system's tape or line outputs; you can run all your speakers and 'phones from the same transmitter or play different sources on different frequencies. The W410's design is the maverick of the bunch. Its tweeter fires up into a small rain cover, its woofer down toward the unit's base, making it omnidirectional and very weatherproof—it still runs fine after a rainstorm that blew my lawn furniture across the yard and soaked me in seconds. The only time I need to bring it in is to recharge its batteries, and that's not often—Recoton's rated 18 hours per charge



GRADE: B-

seems about right. (A good thing, too; lacking a handle, it's awkward to carry.) Most of Recoton's 900-MHz products work in stereo, with the speakers switchable for left, right, or summed mono operation; the W410 is strictly mono. The sound is a

bit muted, probably because of a high-frequency rolloff above about 13 kHz (bass goes down to about 80 Hz) and a dip at about 2.5 kHz. My property's not large enough to check the system's 150-foot rated range, but it works fine at half that distance. The W410 comes in poolside white or hide-in-the-shrubbery green, for \$279.99 including transmitter or \$499.99 for two green speakers plus transmitter; add-on speakers are \$239.99 each, in either color. (Recoton: 2950 Lake Emma Rd., Lake Mary, Fla. 32746; 800/231-0031; <http://www.recoton.com>)

Ivan Berger

For literature, circle No. 120

## MONSTER CABLE SYSTEM POLARITY ANALYZER

Are all your speakers in phase with one another? (It gets harder to check as you add more speakers to your system.) And are they in proper absolute phase (polarity), pushing and pulling in the same directions as the waves that hit the recording mikes? This clever little gadget will answer both questions, neatly and easily. Just put the battery-operated Analyzer near a speaker, then play the accompanying CD. If the Analyzer's red LED flashes once for every three flashes of the green one, your system has correct absolute phase from the CD player to that speaker. Get all of your speakers phased correctly, and they'll also all be phased alike.

Simple instructions are printed on the Analyzer, and lengthier ones are recorded on the CD. The only rub is that you have to skip through track after track of instructions to reach the test pulses on track 6 or

the low-frequency woofer-testing pulses on track 8. The analyzer has just one button, to turn it on; it

GRADE: A

turns itself off in a minute or two. And the signal tracks on the CD are long enough to allow comfortable testing. The price is \$119.95 (Monster Cable: 274 Wattis Way, San Francisco, Cal. 94080; 415/871-6000.)

Ivan Berger

For literature, circle No. 122

Super Bit Mapping, a noise-shaping system that's said to achieve near 20-bit resolution on 16-bit media, was originally designed for the recording studio. But here's a version designed for use with Sony's popular TCD-D7, TCD-D8, and TCD-D100 DAT Walkman models and other recorders with digital inputs. The feature-filled SBM-1 (\$549, suggested retail) also includes stereo line and microphone inputs, a high-quality A/D converter, a headphone jack, overload and battery metering, and controls for input and headphone output levels and sampling rate. Similar in size to a DAT Walkman, the SBM-1 runs on batteries or the supplied AC adaptor and weighs 10 ounces with batteries. Output is via a built-in cable whose mini seven-pin connector plugs right into a DAT Walkman; for other digital recorders, you'll need accessory connector cords or Sony's \$200 RM-D3K digital input/output adaptor box.

Input signals are first digitized by the 20-bit A/D converter, converted by the Super Bit Mapping process to a 24-bit signal, then reduced to a noise-shaped 16-bit output. The noise-shaping is said to improve audible resolution by shifting quantization noise from 3 or 4 kHz, where hearing is most sensitive, to higher frequencies. The SBM-1 can sample its analog input at 32,

44.1, or 48 kHz, but Super Bit Mapping works only at the two higher rates, which are standard for CD and DAT.

The SBM-1 certainly made recordings more detailed and smoother than the internal converters on the TCD-D7 and TCD-D8. I also used it, through the adaptor box, with an older DAT recorder, Sony's PCM-2000; the sound was significantly better, without any harshness.

If you don't use its headphone jack and internal preamps at the same time, the SBM-1 runs for nearly 2 hours on its four AA batteries. My only reservation about the SBM-1 is that it adds the Serial Copy Management System (SCMS) anti-copying flags to your original recordings, so you will be limited to one generation of direct digital copies. (Sony: 20 Sony Drive, Park Ridge, N.J. 07656; 201/930-1000.)

John Gatski

For literature, circle No. 121



GRADE: A





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