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See page 8

### NEW CD Recorders

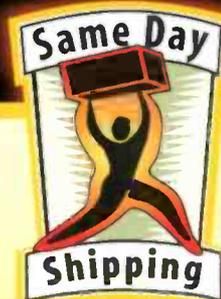
Large selection of new CD-R  
burners from Denon  
Microboards and Sony  
See pages 44-46

### Expanded Wire/Cable

Wire and cable section now  
includes digital audio cables  
See pages 70-72

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MD421II studio microphone.  
See pages 80



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*We represent over 200 manufacturers and sell thousands of items. This 128-page catalog is a representation of the most popular products from each manufacturer. If you do not see the products you seek, just ask.*

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A detailed product index  
is found on the inside back cover

### Need Complete Product Specifications?

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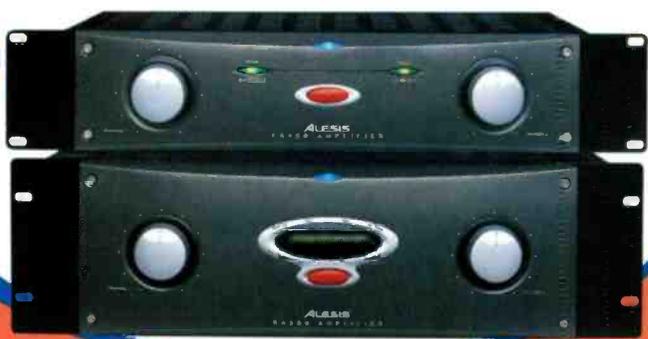
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Power Amplifiers

**NEW**



**ALESIS  
RA SERIES**

Alesis' RA Series power amps provide more power and better performance at a lower cost per watt than other amps on the market. Designed for studio use, the RA amps incorporate advanced convection cooling for heat dissipation. Most importantly, they provide a crisp, clean signal to your studio monitors. Features: 45, 90 or 150 watts into 8 ohms; signal to noise ratio >105dB; distortion < .02% at 4 ohms.

RA150	45 watts/channel into 8 ohms power amp	Mfr. List \$259.00	<b>ONLY \$199.00</b>
RA300	90 watts/channel into 8 ohms power amp	Mfr. List \$359.00	<b>ONLY \$279.00</b>
RA500	150 watts/channel into 8 ohms power amp	Mfr. List \$459.00	<b>ONLY \$379.00</b>



You can be confident you are getting a competitive price at BSW. We guarantee to beat any competitor's printed advertised price within 30 days of purchase date.\*

\*See inside front cover for details.



**BGW  
PERFORMANCE SERIES**

High-quality BGW power amps are perfect for use in any type of permanent or mobile installation and they're THX approved for cinemas. The PS1 offers 110 watts/channel into 8 ohms; the PS2 offers 220 watts and the PS3 offers a full 330 watts per channel at 8 ohms. Features: low profile 2U chassis; transient free switching; modular design; balanced XLR and 1/4" inputs; forced-air cooling; welded steel chassis; LED indicators; detented gain controls; switchable clipping eliminator circuit; 3-year warranty.

PS1BGW	110 watts/channel into 8 ohms power amp	Mfr. List \$874.00	<b>ONLY \$681.00</b>
PS2BGW	220 watts/channel into 8 ohms power amp	Mfr. List \$1,028.00	<b>ONLY \$801.00</b>
PS3BGW	330 watts/channel into 8 ohms power amp	Mfr. List \$1,440.00	<b>ONLY \$1,123.00</b>

**Classic Amp**



**CROWN  
D45/D75A**

These affordable Crown amplifiers are excellent for all kinds of studio monitors. Features: front panel level controls; power and distortion indicators; active balanced inputs with XLR/1/4" combination connectors; barrier strip output connectors; <.001% harmonic distortion at full power.

D45	25 watts/channel into 8 ohms power amp	Mfr. List \$496.00	<b>ONLY \$359.00</b>
D75A	40 watts/channel into 8 ohms power amp	Mfr. List \$652.00	<b>ONLY \$472.00</b>



**CROWN  
CE SERIES**

CE Series amplifiers have the rugged construction that characterizes Crown amplifiers, but at a very affordable price level. Features: front panel level controls; useful function indicators including power, signal, clip and fault; fan-assisted cooling; short circuit protection; 3-year warranty.

CE1000	275 watts/channel into 8 ohms power amp	Mfr. List \$731.00	<b>ONLY \$482.00</b>
CE2000	400 watts/channel into 8 ohms power amp	Mfr. List \$1,043.00	<b>ONLY \$687.00</b>



**CROWN  
K SERIES**

Popular K Series power amps are powerful and extremely reliable. Features: completely sealed construction; no fan noise; unmatched thermal efficiency; recessed front panel level controls; LED indicators; universal power supply; modular design in a wide variety of colors; XLR and 1/4" TRS input connectors; 3-way binding post output connectors; 3-year warranty.

K1	350 watts/channel into 8 ohms power amp	Mfr. List \$1,559.00	<b>ONLY \$1,185.00</b>
K2	475 watts/channel into 8 ohms power amp	Mfr. List \$1,872.00	<b>ONLY \$1,422.00</b>

\* Non-inventory item subject to return restrictions.

**Power Amplifiers**



**CROWN  
MACRO-TECH/MICRO-TECH SERIES**

Powerful power amps from Crown are a staple in the music performance industry. Macro-Tech models feature very low distortion with extremely high dynamic range; patented Output Device Emulation Protection circuitry compensating for overheating and overloads; Input/Output Comparator circuitry immediately alerts of any distortion exceeding .05% providing dynamic proof of distortion-free performance; front panel level controls; stereo, bridged mono and parallel mono modes; balanced XLR and 1/4" TRS inputs; binding post output connectors.

The more economical Micro-Tech models offers powerful performance without some of the extras found in the Macro-Tech. They include rear panel level controls and 1/4" TRS inputs.

MA602	220 watts/channel into 8 ohms power amp	Mfr. List \$1,559.00	<b>ONLY \$1,185.00</b>
MA2402	520 watts/channel into 8 ohms power amp	Mfr. List \$2,339.00	<b>ONLY \$1,777.00</b>
MT600	220 watts/channel into 8 ohms power amp	Mfr. List \$1,094.00	<b>ONLY \$773.00</b>
MT1200	320 watts/channel into 8 ohms power amp	Mfr. List \$1,407.00	<b>ONLY \$1,018.00</b>
MT2400	520 watts/channel into 8 ohms power amp	Mfr. List \$1,824.00	<b>ONLY \$1,319.00</b>



**MACKIE  
M800/M1400i**

The M800 and M1400i deliver excellent audio quality, reliability under extreme conditions and watts-per-dollar value! Features: front panel level controls; T-design constant gradient fan cooling; ultra-low impedance capability; built-in sweepable constant directivity horn compensation; built-in sweepable high-pass filter; flat response over a wide frequency range (+0/-3 dB from 10 Hz to 70 kHz); low distortion (M1400i THD is only .012% at 8 ohms; M800 is only .025%); XLR thru, 1/4" TRS and 5-way binding post outputs.

*M800	140 watts/channel into 8 ohms power amp	Mfr. List \$549.00	<b>ONLY \$449.00</b>
M1400i	300 watts/channel into 8 ohms power amp	Mfr. List \$699.00	<b>ONLY \$599.00</b>



**QSC  
PLX SERIES**

The PLX series power amps feature studio-quality audio performance including virtually inaudible hum and noise (-110 dB 20 Hz-20 kHz) and ultra-low distortion performance (.03% THD at rated power into 8 ohms). Features: PowerWave supply delivers tight high output bass; compact chassis fits in any rack; LED indicators include bridge mono and parallel input modes; all metal XLR and 1/4" balanced inputs; selectable clip limiting and subsonic filters for each channel; 4-wire shock-proof binding posts; true soft start turn-on.

*PLX1202	200 watts/channel into 8 ohms power amp	Mfr. List \$858.00	<b>CALL FOR PRICE</b>
*PLX1602	300 watts/channel into 8 ohms power amp	Mfr. List \$978.00	<b>CALL FOR PRICE</b>
*PLX2402	425 watts/channel into 8 ohms power amp	Mfr. List \$1,258.00	<b>CALL FOR PRICE</b>
*PLX3002	550 watts/channel into 8 ohms power amp	Mfr. List \$1,398.00	<b>CALL FOR PRICE</b>
*PLX3402	700 watts/channel into 8 ohms power amp	Mfr. List \$1,638.00	<b>CALL FOR PRICE</b>



**QSC  
RMX SERIES**

RMX series amplifiers offer true professional-quality performance at low cost. Features: front mounted gain controls; independent, user-defeatable clip limiters to reduce distortion; selectable low-frequency filters (30 Hz or 50 Hz) to protect speakers and increase headroom; signal and clip LED indicators to monitor performance; variable-speed fan cooling; balanced XLR, 1/4" TRS and barrier strip inputs; binding post and Neutrik Speakon outputs.

*RMX850	200 watts/channel into 8 ohms power amp	Mfr. List \$549.00	<b>ONLY \$399.00</b>
*RMX1450	280 watts/channel into 8 ohms power amp	Mfr. List \$649.00	<b>ONLY \$499.00</b>
*RMX2450	475 watts/channel into 8 ohms power amp	Mfr. List \$899.00	<b>ONLY \$699.00</b>

**Top Seller**

**HAFLER  
P SERIES**

Hafler manufactures some of the finest amps for powering your studio monitors. The single-rack space P1000 is an excellent choice for powering smaller speakers. It offers 50 watts/channel into 8 ohms, soft start power-up, silent convection cooling; clip and thermal indicator lights; and a headphone jack. Inputs use XLR/1/4" combination connectors. The dual-rack space P1500 and P3000 power amps offer higher outputs (75 watts and 150 watts), MOSFET output stages; overload indicator lights and 5-way binding post output connectors.

P1000	50 watts/channel into 8 ohms power amp	Mfr. List \$569.00	<b>ONLY \$399.00</b>
P1500	75 watts/channel into 8 ohms power amp	Mfr. List \$599.00	<b>ONLY \$449.00</b>
P3000	150 watts/channel into 8 ohms power amp	Mfr. List \$779.00	<b>ONLY \$549.00</b>

\* Non-inventory item subject to return restrictions.

**Extended Warranty!**



**SYMETRIX  
420**

This affordable Symetrix amplifier is an excellent value. Features: front panel level controls and headphone jack with a speaker mute switch; a mono/stereo mode switch and a switch to allow the gain controls to operate independently or be ganged together; THD < .02% at full power output.

420	20 watts/channel into 8 ohms power amp	Mfr. List \$449.00	<b>ONLY \$369.00</b>
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Audio Meters



**ATI  
BGD SERIES**

Remote, shared power supplies let you mount these bright 3-color meters directly under video monitors or critical audio circuits with no possibility of magnetic interference. Economically display up to 12 audio channels in a single rack space. Multiple color, 10-segment displays are visible even in bright sunlight. VU models display -20 to +3 dBu, ROUND 0 VU; PPM models cover -15 to +12 dB. **Features:** high impedance non-loading inputs accommodate balanced or unbalanced input signals; two-piece, quick release screw plug connector per input; optional power supply and rack adaptors available.

- \*BGD200VU      dual VU bargraph meter  
Mfr. List \$369.00      **ONLY \$342.00**
- \*BGD200PPM      dual PPM bargraph meter  
Mfr. List \$369.00      **ONLY \$342.00**
- \*BGD200PHASE      dual VU bargraph meter w/phase  
Mfr. List \$399.00      **ONLY \$370.00**
- \*BGD200PPMPHASE      dual PPM bargraph meter with phase  
Mfr. List \$399.00      **ONLY \$370.00**
- \*BGD400-VU      quad VU bargraph meter  
Mfr. List \$459.00      **ONLY \$426.00**
- \*BGD400PPM      quad PPM bargraph meter  
Mfr. List \$459.00      **ONLY \$426.00**
- \*WA100-1      wall mount power supply  
Mfr. List \$15.00      **ONLY \$14.00**



**DORROUGH  
40-A2/240A2**

Dorrough Loudness Meter model 40-A2 displays both the peak and average of the audio signal. The unique metering ballistics accurately present loudness variations on an easy-to-read scale. Dual inputs allow sum and difference metering. Peak Hold functions are standard along with a DB9 connector to access various over and under parameters. Other models are available with either 14dB (A scale) or 20dB (C scale).

Model 240-A2 is a vertical single channel loudness meter designed for standard console mounting (only 1.4" x 5" high). It can also be used for surround sound configuration.

- \*40A2      horizontal, single channel loudness monitor  
Mfr. List \$475.00      **ONLY \$453.00**
- \*240A2      vertical, single channel loudness monitor  
Mfr. List \$475.00      **ONLY \$453.00**



**DORROUGH  
280-D**

Designed for measuring AES/EBU digital audio, this meter displays both the peak and average, employing the same ballistics as the analog meters. Over Indication and Peak Hold are incorporated. Complies with SMPTE 155 requirements.

- \*280-D      AES/EBU meter      Mfr. List \$850.00      **ONLY \$810.00**



**LOGITEK  
VUB SERIES**

Logitek lighted mechanical meters have balanced, bridging, high impedance XLR Input and rear panel zero adjustment control. Available in 2 or 4 display models, these meters are easy to install, are highly reliable and offer a phase checking button for each pair of meters. The "A" version has dB shown as the top scale of the meter. The "B" version has modulation shown as the top scale of the meter.

- \*2VUB-A      2 VU audio level display, "A" scale      Mfr. List \$525.00      **ONLY \$469.00**
- \*2VUB-B      2 VU audio level display, "B" scale      Mfr. List \$525.00      **ONLY \$469.00**
- \*4VUB-A      4 VU audio level display, "A" scale      Mfr. List \$790.00      **ONLY \$706.00**
- \*4VUB-B      4 VU audio level display, "B" scale      Mfr. List \$790.00      **ONLY \$706.00**



**LOGITEK  
BV2S SERIES**

See the audio signal and be alerted to silence on any of up to 6 stations using the Logitek Bright Series audio meter. Choose from 4 threshold levels and 4 time intervals per unit. Displays show VU and true peak. Available in either analog or digital inputs indicated by "A" or "D" suffix. XLR connectors.

- \*BV2SA OR BV2SD      2-input audio meter/silence alarm      Mfr. List \$610.00      **ONLY \$545.00**
- \*BV4SA OR BV4SD      4-input audio meter/silence alarm      Mfr. List \$895.00      **ONLY \$800.00**
- \*BV6SA OR BV6SD      6-input audio meter/silence alarm      Mfr. List \$1,145.00      **ONLY \$1,023.00**

**RDL  
RU-SM16**



The RU-SM16 offers precise audio level metering. **Features:** 16 segment display for 2 audio channels; selectable peak or average metering; peak L+R/L-R metering; 1/3 rack width; rack options available. Requires PS24A power supply.

- \*RUSM16      dual channel audio meter      Mfr. List \$219.00      **ONLY \$177.00**



**WOHLER  
LM106-6/LM53-24**

It's easy to verify audio on multiple channels with these ultra high resolution, tri-color, LED bargraph analog level meters. The LM106-6 offers metering of 6 channels, each with 106-segment ladders mounted horizontally in 1U rack chassis.

The LM5324 offers an amazing 24 channels of 53-segment vertically oriented bargraph meters mounted in a 2U rack chassis.

- \*LM1066      6-channel bargraph display unit      Mfr. List \$2,200.00      **ONLY \$1,988.00**
- \*LM5324      24-channel bargraph display unit      Mfr. List \$4,250.00      **ONLY \$3,841.00**

\* Non-inventory item subject to return restrictions.

## Audio/Visual Confirmation Monitors

## Seeing is Believing!



The new Furman MS2ADV-1 assures you that your audio and video signals have made it successfully through critical signal chains. Housed in a compact, durable, single rack space chassis, the MS2ADV-1 is the perfect addition to any system where remote confidence monitoring is necessary. Test carts, mobile trucks, and equipment closets are just a few of the applications where confidence monitoring is essential.

The feature packed MS2ADV-1 includes analog and digital audio monitoring using two high visibility, 14 segment meters, a pair of high output magnetically shielded speakers, and a 1.8" color LCD TFT display that auto senses NTSC/PAL. Rear panel features include two analog balanced inputs and outputs on XLR's, an AES/EBU BNC input, a baseband video BNC input, signal present indicators on all audio inputs and outputs, and +/- gain controls on rear panel auxiliary outputs. The MS2ADV-1 is perfect for worldwide use as it utilizes a universal power supply.

- 1.8" color LCD TFT display auto senses NTSC/PAL
- Two channels of analog/digital audio monitoring plus video in 1RU
- Wide-range, high visibility, 14 segment meters with dimmer
- High output magnetically shielded speakers
- +4 dBu or +8 dBu meter reference, front panel selectable
- Signal present indicators on all analog and digital I/O ports



www.furmansound.com



### ATLAS MVXA SERIES

Atlas-Soundolier's single rack space MVXA monitor panels are active devices for aural and visual monitoring of eight or sixteen different speaker and line level circuits in any combination. Each input is individually selectable using an easy-to-position jumper. MVXA's offer easy visual assessment using twelve-segment LED bar graphs that provide 33 dB of resolution and monitor any combination of line level (1V reference) 25 Vrms, 70 Vrms and 100 Vrms simultaneously. The bottom ten LEDs are green and have a VU ballistics response. The two red LEDs at the top of the bar graph are peak to provide instantaneous level indication. LED meter sensitivity is -30 dB to +30 dB. Units offer the capability to aurally monitor individual channels via an internal speaker, headphone jack, line level output or output to an external speaker. Panel functions include a channel selection knob, channel audible monitoring level control and headphone jacks.

\*MVXA2008 8-channel monitor panel  
Mfr. List \$1,358.33 **ONLY \$802.00**

\*MVXA2016 16-channel monitor panel  
Mfr. List \$1,661.11 **ONLY \$981.00**



### FURMAN MS2AD-1/MS4AD-1

Furman's MS2AD-1 provides 14 segments of level monitoring for each selected audio source in VU or PPM ballistics mode. An analog/digital selector with indicator allows simple and glitch-free switching between sources. A dimmer control allows the meters to be adjusted to suit user taste and variations in the environment. The digital input can accommodate up to 24-bit/96kHz stereo digital signals in AES/EBU format via rear panel BNC. Converters provide up to 8X oversampling, with a dynamic range of 95 dB. A phase indicator displays the phase relationship of the two sources being monitored. **Features:** 2 channels of analog/digital audio monitoring; magnetically shielded speakers; wide-range, high-visibility meters with dimmer; low distortion headphone amplifier; +4 dBu or +8 dBu meter reference, front-panel selectable; speaker mute switch; signal present indicators on all I/O ports; VCA volume and left/right balance controls; three-year limited warranty.

MS4AD-1 provides 4 channels of analog/digital audio monitoring.

\*MS2AD1 2-channel analog/digital audio monitor  
Mfr. List \$1,199 **ONLY \$894.00**

\*MS4AD1 4-channel analog/digital audio monitor  
Mfr. List \$1,499 **ONLY \$1,118.00**



Furman  
MS2ADV-1

### FURMAN MS2ADV-1

The new Furman MS2ADV-1 assures you that your audio and video signals have made it successfully through critical signal chains. Housed in a compact, durable, single rack space chassis, the MS2ADV-1 is the perfect addition to any system where remote confidence monitoring is necessary. Test carts, mobile trucks, and equipment closets are just a few of the applications where confidence monitoring is essential. **Features:** two channels of analog and digital audio monitoring using two high visibility, 14 segment meters with dimmer and a pair of high output magnetically shielded speakers; 1.8" color LCD display that auto senses NTSC/PAL; two balanced analog inputs and outputs on XLR; AES/EBU BNC input; baseband video BNC input; signal present indicators on all analog and digital audio inputs and outputs; rear-panel gain controls on AUX outputs and universal power supply for worldwide use.

\*MS2ADV1 audio/video confidence monitor  
Mfr. List \$1,999.00 **ONLY \$1,506.00**

## In-Rack Audio & Video Monitoring

### Wohler Speaker Systems,



#### AMP1A

The unit that started the In-Rack speaker revolution. Compact (1U) and convenient quality audio monitoring direct from your rack. We offer models for all applications & budgets.

#### AMP2-VSDA

Top of the line speaker system accepts SDI and AES digital inputs together with analog. Features powerful 104dB high quality output, four level meters and phase indication. Decodes and/or demuxes digital signals.



### Wohler Level Meters,



#### LM106-6

6 channels of 106-segment, ultra-high resolution tri-color LED bargraphs. Mounted horizontally in 1U chassis. Also Available with Dolby Digital Decoder.

#### LM53-24

Monitor 24 channels of audio in only 2U. Features 24 channels of 53 segment, high resolution tri-color LED bargraph displaying audio levels. Unit is mounted vertically in a 2U chassis.



### PANORAMA dtv LCD Video Monitors,

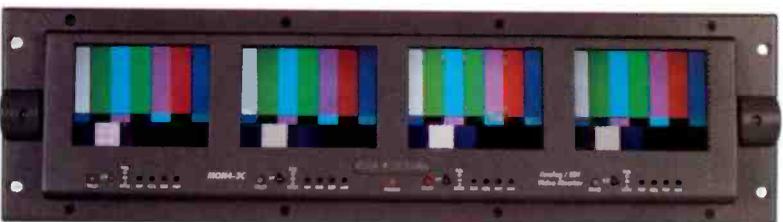
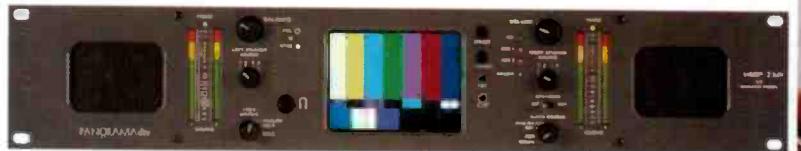


#### VAMP-24

Excellent unit for monitoring both audio and video directly from the rack. High quality color LCD video monitor offers confidence monitoring from either of two composite analog video inputs, auto-sense NTSC/PAL. Audio features internal or external speaker switch - no need for separate amplifier. 4 channel input selection and 4 high resolution 53 segment tri-color level meters.

#### VAMP-2SDI

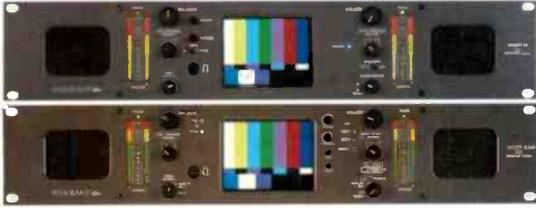
Same features as the VAMP-24 analog unit with the added capability of accepting SDI and AES digital inputs. Converts SDI to analog composite video and offers output for use with larger external video monitors. All this in only 2U of rackspace.



#### MON4-3

Quad LCD color monitor in only 3U of rackspace. 4 High quality and very bright LCD monitors. Features adjustable viewing angle, full picture control, auto-sensing for NTSC / PAL and mix & match analog and digital video inputs. Perfect for confidence monitoring of multiple video feeds for mobile trucks, news and control room applications.

## Audio/Visual Confirmation Monitors



### PANORAMADTV VAMP24/VAMP2SDI

Monitor both audio and video from a single space-saving 2RU VAMP unit. The VAMP-24 allows monitoring of either of two selectable composite video sources and two groups of four analog inputs. Built-in LCD screen offers simple confidence monitoring of video (color) from either of two composite analog video inputs.

VAMP-2SDI allows simple confidence monitoring of video from either the SDI input or an auxiliary composite analog video input. Also included is a composite video monitor output from the selected SDI source for use with larger, external video monitors. Common Features: two groups of four audio channels each and supporting level meters; any of the four channels may be selected independently to the two-channel speaker system, headphone output, and phase indicator; high-resolution 53-segment tri-color LED bargraph level meters; switchable between NTSC/PAL (auto sensing on VAMP-2SDI); internal or external speaker switch – separate amplifier unnecessary; two composite video inputs (front panel A/B switch); two groups of four analog audio channels; audio follow video or select.

VAMP24	audio video monitor	Mfr. List \$2,850.00	<b>ONLY \$2,817.00</b>
VAMP2SDI	SDI audio/video monitor	Mfr. List \$4,800.00	<b>ONLY \$4,745.00</b>



### PANORAMADTV MON4-3

MON4-3 is a Quad LCD color video monitor that will operate in both NTSC and PAL. It's perfect for condense monitoring of multiple video feeds for mobile trucks, news and control room applications. Features: auto sensing of video standard, with front panel indication; four front panel trimpot controls per monitor for color, tint/hue, brightness and contrast; each video BNC input has a passive loop through, 75 ohm termination switch and individual power switch; built-in red/green tally lights are available from DB25 connector on rear panel and can be interfaced to most tally systems.

MON4-3	video confirmation monitor	Mfr. List \$2,995.00	<b>ONLY \$2,961.00</b>
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### WOHLER AMP-1A

Wohler Technologies offers accurate, self powered monitoring systems in compact rack mount units. These speakers provide excellent magnetic shielding with optimally focused, high fidelity sound for operators in an "ultra-near-field" working environment. The AMP-1A contains five high performance transducers driven by three power amplifiers: two amplifier/driver combinations handle midrange and high-frequency information in stereo, while the third center channel reproduces information below the 500Hz crossover point. The unique design has two important advantages. First, it provides optimally focused sound for operators in the ultra near field (1 to 3 ft.) working environment. This allows higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk. Second, electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds. Features: 98 dB SPL at 2 feet; excellent HF response for positive detection of background whine and noise; audible indication of phase/polarity problems; headphone jack; thorough magnetic shielding for placement next to video monitors; quick and easy installation: simple slide in the rack and connect audio and AC power; balanced and unbalanced inputs.

AMP1A	amplified audio monitoring system	Mfr. List \$715.00	<b>ONLY \$647.00</b>
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### WOHLER AMP2-VSDA

This top-of-the-line speaker system accepts SDI and AES digital inputs together with analog. Features: highest fidelity 2U stereo speakers; 20-segment LED level meters with accurate VU or PPM ballistics, and visual phase/polarity indication; headphone output; 2 AES/EBU inputs on BNC and selectable group of four analog inputs on XLR; simultaneous digital-analog conversion of both AES/EBU signals with four channel analog output on Phoenix connectors; select one of four analog channels on left, one of same four on right; two channel analog out of selected channel(s) on XLRs.

*AMP2-VSDA	audio monitoring system	Mfr. List \$2,600.00	<b>ONLY \$2,350.00</b>
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## Studio Monitors



### ALESIS M1 ACTIVEMKII/MONITOR ONE MK2

The Alesis M1 ACTIVEMKII's internal active crossover and custom-designed dual amplifiers ensure a broad, extremely accurate frequency response with clear imaging. The amplifiers (a 75-watt woofer amp and 25-watt tweeter amp) along with 8th order high and low-pass electronic crossover filters provide superb audio reproduction. The M1 Active's woofer and tweeter were specifically designed for the most linear, low distortion response in powered monitoring applications. Its 6.5" woofer cone is formulated from non-woven carbon fiber. Priced as pair.

Alesis Monitor One Mk2 is a passive near-field reference speaker with wide frequency response, clear imaging and high power handling capability. In the new Mk2 version, they included a new 6.5" polypropylene low-frequency driver for tighter, more accurate bass response and matched newly redesigned, 1" pure silk-dome, high-frequency transducer. They improved the overall frequency response and coupled it with more efficient power handling. They also provided magnetic shielding. Priced as pair.

M1ACTIVEMKII	6.5", 2-way biamplified monitors (pair)	Mfr. List \$649.00	<b>ONLY \$499.00</b>
MONITOR1MKII	6.5", 2-way studio monitors (pair)	Mfr. List \$299.00	<b>ONLY \$249.00</b>



### BEHRINGER TRUTH

The Behringer B2031 Truth sports two separate amplifiers for low and high frequencies. With 150 and 75 watts respectively, they have plenty of power to meet all of your monitoring needs. The 8.75" woofer features a special polycarbonate diaphragm and a sturdy cast aluminum chassis. A newly designed bass reflex system increases its efficiency, effectively reducing low-frequency distortion. The high-end is reproduced by a state-of-the-art ferrofluid-cooled 25 mm tweeter. Features: full magnetic shielding; well-balanced vertical and horizontal dispersion for extremely wide "sweet spot"; overload protection via integrated limiter, separately controlled for low and high frequencies; servo-balanced inputs with XLR and 1/4" TRS connectors. Priced as pair.

B2031	8.75" 2-way biamplified monitor	Mfr. List \$799.00	<b>ONLY \$649.00</b>
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Studio Monitors

Audix PH5VS



Audix PH150

**AUDIX**  
**AUDIX SERIES**



Audix has combined great sound quality and very competitive pricing in these compact powered monitor sets (one speaker holds the amplifier, the other is a satellite speaker). Both models feature magnetically shielded cabinets.

The PH5VS features a 5-1/4" woofer and 3/4" tweeter driven by a 25-watt-per-channel internal amplifier. It is housed in a durable, high impact plastic cabinet with a wire mesh speaker grill. Inputs to the amplifier are RCA unbalanced. The speaker pair is connected via a standard speaker cable with 1/4" connectors (included). Priced as pair.

The PH150 is housed in a dense particle-board cabinet with front porting. It features a 3/4" polycarbonate-dome, ferrofluid tweeter and a 5-1/4" long-excursion, rubber surround woofer powered by an internal 45-watt-per-channel amp. High-quality crossovers ensure superb definition and clarity. Priced as pair.

PH5VS	5.25", 2-way amp. monitors (pair)	Mfr. List \$299.00	<b>ONLY \$271.00</b>
PH150	5.25", 2-way amp. monitors (pair)	Mfr. List \$479.00	<b>ONLY \$379.00</b>

**FREE**  
Audix OM2 Mic with  
Speakers Purchase!

**AUDIX**  
**PH250**



If you desire higher sensitivity and greater bass, this dual woofer configuration from Audix is excellent.

Features: 60 watts amplification; dual 5.25" shielded woofers; 1" dome tweeter; internal power supply. Priced as pair. Right now, get a FREE Audix OM2 microphone with your speaker purchase (a \$149.00 retail value). Offer expires June 30th, 2001.

PH250PKG	dual 5.25", 2-way amp. monitors (pair)	Mfr. List \$649.00	<b>ONLY \$499.00</b>
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**ELECTRO-VOICE**  
**SENTRY 100A/SENTRY 100EL**

The Sentry 100A is a compact, no frills speaker system. It's the oldest member of the Sentry family and has become the industry standard of reliability. The Sentry 100A delivers a flat 45 to 18,000 Hz frequency response with a wide 120° dispersion at 5,000 Hz. The Super Dome tweeter handles a remarkable 25 watts of input power and is matched with an 8" direct radiator woofer in an optimally vented enclosure.

The Sentry 100EL combines the reproduction components of the Sentry 100A with an integral high performance 50-watt power amplifier. Priced as each.

SENTRY100A	8" 2-way monitor (each)	Mfr. List \$612.00	<b>ONLY \$399.00</b>
SENTRY100EL	8" 2-way biamplified monitor (each)	Mfr. List \$1,178.00	<b>ONLY \$779.00</b>

**ELECTRO-VOICE**  
**S40B**



The Electro-Voice S-40 is a high-performance, 5.25" 2-way personal sized monitor housed in a high-impact polystyrene enclosure. It features exceptional bass response for its size, smooth, extended top end and independent protection for the woofer and tweeter. Long-term power handling is rated at 160 watts. Options: mounting hardware allows stand mounting or wall and surface placement. Priced as pair.

S40B	5.25", 2-way studio monitors	Mfr. List \$418.00	<b>ONLY \$275.00</b>
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**EVENT**  
**20/20 SERIES/PS SERIES**

The popular Event 20/20 offers reliable, flat monitoring that's very affordable. Features: 25mm silk-dome tweeter; 8" woofer with highly damped rubber surround for consistent and smooth extended range frequency response; cabinet with extra acoustical damping to reduce standing waves; front mounted large diameter bass port; 2nd order passive crossover. Priced as pair.

The powered 20/20bas includes the components of the 20/20 with the following additions: active asymmetrical 4th order crossover; 130-watt LF amplifier and 70-watt HF amplifier; front panel power on/clip LED; a combination 1/4"/XLR input. Priced as pair.

The Event Project Studio series (PS5, PS6, PS8) biamplified monitors deliver detailed and accurate sound, just like its respected forebears, the award-winning 20/20. Choose from three sizes, each which deliver non-fatiguing, wide-range reference monitoring and fits easily in any studio. Features: magnetically shielded; 70-watt LF amplification; 30-watt HF amplification; front ported design; balanced XLR and 1/4" inputs. Priced as pair.

20/20	8", 2-way studio monitors (pair)	Mfr. List \$399.00	<b>ONLY \$303.00</b>
20/20BAS	8", 2-way biamplified monitor (pair)	Mfr. List \$999.00	<b>ONLY \$758.00</b>
PS5	5.25" 2-way biamplified monitors (pair)	Mfr. List \$599.00	<b>ONLY \$455.00</b>
PS6E	6.5" 2-way biamplified monitors (pair)	Mfr. List \$699.00	<b>ONLY \$531.00</b>
PS8	8" 2-way biamplified monitors (pair)	Mfr. List \$849.00	<b>ONLY \$645.00</b>



**EVENT**  
**TRIA**

This monitoring system perfectly complements any digital audio workstation environment. The TriA three-piece monitoring system comprises a floor-loaded 8" subwoofer housed with five separate power amplifiers (80 watts each woofer, 40 watts each tweeter), active crossovers, and a full set of calibrated trim and level controls. These amplifiers power the two biamplified satellite speakers, each with a 5-1/4" polypropylene cone driver and 1" natural silk dome neodymium driver. Features: magnetically shielded; small footprint; reference-quality frequency response (down to 55 Hz for the satellite speakers, down to 35 Hz for the VLF driver). Priced as system.

TRIA	5.25", 2-way biamplified studio monitors with subwoofer	Mfr. List \$999.00	<b>ONLY \$758.00</b>
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### FOSTEX 6301BEAV

6301BEAV are the perfect personal powered monitors. Features: built-in 10-watt amplifiers; magnetically shielded to protect nearby computer monitors; rotary level control; automated protection circuitry; balanced XLR and phone jack inputs. Priced as each.

6301BEAV 4", 1-way amplified monitor (each)  
Mfr. List \$189.00 **ONLY \$179.00**



### FOSTEX PS-3.1

A completely self-contained and versatile system, the Fostex PS-3.1 combines a 5.25" bass reflex subwoofer and two satellite speakers, each featuring a 3" mid range driver plus 1" dome tweeter. The ported bass reflex design of the subwoofer delivers a crisp, punchy bass response while the 2-way design satellite speakers yield maximum efficiency of the mid-range and high-frequency drivers. Stereo line level signals from a mixer feed a 15-watt amplifier for the sub-woofer, and a high-pass filter feeds two dedicated 5-watt amplifiers for the stereo satellite speakers. This system is also magnetically shielded to protect your video monitors.

PS-31 5.25, 2-way amplified monitors with subwoofer  
Mfr. List \$349.00 **ONLY \$199.00**

## Studio Monitors

Powered



### GENELEC 1029A SERIES

Perfect for near-field monitoring, 1029As will activate your space with precise imaging and dynamics. Their full-featured design makes them well suited for any control room. Left and right monitors have 5" bass drivers and 3/4" treble drivers. Amplification is 40 watts per driver. Priced as each.

2029A are digital versions of the 1029A.

An optional 1091A subwoofer adds more complete low frequency information. Features: independent 40 watt amplification for the bass and treble; magnetically shielded; bass roll-off controls; XLR and 1/4" input jacks.

1029A	5", 2-way bi-amplified monitor (each)
Mfr. List \$540.00	<b>CALL FOR PRICE</b>
2029D	5", 2-way bi-amplified digital monitor
Mfr. List \$1,325.00	<b>CALL FOR PRICE</b>
1091A	8" amplified subwoofer
Mfr. List \$699.00	<b>CALL FOR PRICE</b>

### JBL 4206/4208

This radical speaker design was developed for near-field monitoring with maximum stereo imaging and reduced listener fatigue. High frequency and low frequency drivers are offset and aimed to deliver both HF and LF information to the listening position at precisely the same instant. All models feature a charcoal laminate finish. The model 4206 features a 6" LF Driver and 1" pure titanium dome tweeter. Priced as pair.

The 4208 offers an 8" LF Driver and 1" pure titanium dome tweeter. Priced as pair.

4206 6", 2-way studio monitors (pair)  
Mfr. List \$388.00 **ONLY \$297.00**

4208 8", 2-way studio monitors (pair)  
Mfr. List \$510.00  
**ONLY \$389.00**

Top  
Seller



Classic Series  
from JBL



### JBL 4400A SERIES

JBL's 4400A series studio monitors have become one of the most frequently asked-for speakers in the broadcast industry. Included in the series are the 4408A (8", 2-way), 4410A (10", 3-way) and the 4412A (12", 3-way). Quality components and circuitry produce smooth, accurate audio monitoring. JBL has given the 4400As an improved look with matte grey laminate finish and charcoal grille cloth. Priced as each.

4408AL/4408R	8" 2-way (left or right) studio monitor (each)	Mfr. List \$355.00	<b>ONLY \$289.00</b>
4410AL/4410AR	10" 3-way (left or right) studio monitor (each)	Mfr. List \$490.00	<b>ONLY \$399.00</b>
4412AL/4412AR	12" 3-way (left or right) studio monitor (each)	Mfr. List \$735.00	<b>ONLY \$599.00</b>

### JBL LSR SERIES

Powered



The Linear Spatial Reference (LSR) studio monitors combine JBL's latest in transducer and system technology with recent breakthroughs in psychoacoustic research to provide a more perfect studio reference. Features: Differential Drive® technology with dynamic braking for extended low frequency response and low power compression; titanium composite high frequency device with elliptical oblate spheroidal waveguide and damped pole piece; carbon fiber composite baffle for low cabinet resonance and stable inertial ground.

LSR25P are bi-amplified two-way monitors with a 5.25" low frequency transducer and 1" high frequency titanium transducer. Amplifiers supply 80 watts to the LF and 40 watts to the HF.

LSR28P are bi-amplified 8" monitors (200 watts for the LF/100 watts for the HF).

LSR32 are 3-way passive monitors featuring a 12" woofer, 2" midrange and 1" tweeter to provide the greatest audio range and accuracy.

All are priced as each.

LSR25P	5.25", 2-way bi-amplified studio monitor (each)
Mfr. List \$489.00	<b>ONLY \$389.00</b>
LSR28P	8", 2-way bi-amplified studio monitor (each)
Mfr. List \$1,121.00	<b>ONLY \$899.00</b>
LSR32L	12", 3-way left studio monitor (each)
Mfr. List \$1,121.00	<b>ONLY \$899.00</b>
LSR32R	12", 3-way right studio monitor (each)
Mfr. List \$1,121.00	<b>ONLY \$899.00</b>

**Studio Monitors**



**JBL CONTROL SERIES**

These speakers not only sound great, they combine rugged construction with a variety of mounting options for maximum flexibility. Control 1 is a two-way system with a 5 1/4" low frequency speaker and a polycarbonate dome tweeter. Frequency response is 70 Hz - 20 kHz. Control 5 features a 6 1/2" woofer and larger cabinet for extended bass response. Both are priced as pair.

- CONTROL 1** 5.25", 2-way studio monitors (pair)  
Mfr. List \$314.00 **ONLY \$245.00**
- CONTROL 5** 6.5", 2-way studio monitors (pair)  
Mfr. List \$538.00 **ONLY \$420.00**



**THX Approved**

**MACKIE HR824 Powered**

Mackie's high-performance HR824 monitors offer superb audio precision. The stereo sound field is wide, deep and incredibly detailed. High frequencies and low frequencies are clean and articulated. The speakers are perfectly matched by an engineer using an oscilloscope and yes, the frequency response is extremely flat ( $\pm 1.5$  dB from 39 Hz to 22.5 kHz). Features: 2-way design (8.75" LF, 1" HF); bi-amplification (150 watts/100watts); no porting; low-frequency roll-off switch; acoustic space switch; highest quality components throughout; balanced XLR and 1/4" inputs. Priced as each.

- HR824** 8.75", 2-way bi-amplified studio monitor (each)  
Mfr. List \$749.00 **ONLY \$659.00**



**Powered**

**TANNOY REVEALACTIVE**

The Reveal system combines proven quality monitors with twin 50-watt amplifiers and fully optimized electronic crossover in a single compact package. Features: long throw 6.5" low frequency driver; 1" soft dome high frequency unit; wide, flat frequency response; 100 watt total amplifier power; magnetically shielded for use close to video monitors; balanced XLR and unbalanced RCA inputs. Priced as pair.

- REVEALACTIVE** 6.5", 2-way bi-amplified monitors (pair)  
Mfr. List \$899.00 **ONLY \$810.00**

**Classic Yamaha Studio Monitors**



**YAMAHA NS10MS**

The industry standard Yamaha NS-10MS studio speaker system has been created specifically for close-field monitoring in professional sound studios. Optimum 7" woofer/ 1" tweeter matching and careful crossover design ensure smooth, natural transition between frequency ranges with minimum phase variation. Frequency response is remarkably flat from 60 Hz right up to 20 kHz, and superior transient response delivers crisp, transparent sound. Priced as pair.

- NS10MS** 7", 2-way studio monitors (pair)  
Mfr. List \$498.00 **ONLY \$378.00**



**Powered**

**YAMAHA MSP5/MSP10/SW10**

The Yamaha MSP5 bi-amplified monitors deliver extraordinary sound quality at an equally extraordinary price. Features: flat frequency response out to 40 kHz; 5" woofer and 1" titanium tweeter; bi-amplification (40 watts LF, 27 watts HF); XLR and 1/4" inputs; magnetic shielding.

MSP10s are a larger 2-way design (8" LF, 1" HF) with greater amplification (120 watts/60 watts).

The SW10 powered subwoofer uses a 10" low frequency driver and 180 watts amplifier to deliver low frequency information. All are sold as each.

- MSP5** 5", 2-way bi-amplified studio monitor (each)  
Mfr. List \$319.00 **ONLY \$249.00**
- MSP10** 8", 2-way bi-amplified studio monitor (each)  
Mfr. List \$749.00 **ONLY \$599.00**
- SW10** 10" amplified subwoofer  
Mfr. List \$849.00 **ONLY \$679.00**

**Speaker Accessories**



**Protect your speakers from overload**

**DYNASTAR SPEAKER KNIFE II**

This adjustable, high-speed transient/overload protector covers lightning speed transients (over excursion), power overloads (blown voice coil) and amplifier failures (constant DC). Once triggered, the Speaker Knife II cuts the audio out - then instantly resets when ready.

- SPEAKERKNIFE** speaker overload protector  
Mfr. List \$89.99 **ONLY \$69.99**



**BELDEN/HOSA SPEAKER WIRE**

We stock high-quality, 14 AWG speaker wire in 100 ft. lengths. Order today.

- SPEAKERWIRE** 14 AWG speaker wire - 100 ft.  
Mfr. List \$47.00 **ONLY \$30.00**

**SPEAKER CABLE**

- SKM625** speaker cable with 1/4" plugs - 25 ft.  
Mfr. List \$18.75 **ONLY \$14.00**
- SKM650** speaker cable with 1/4" plugs - 50 ft.  
Mfr. List \$29.50 **ONLY \$22.00**



**OMNIMOUNT/QUIKLOK 100WABC**

This popular wall speaker mounts holds the speaker at a 45 degree angle with a maximum load of 55 lbs. Black color. Priced as pair.

- 100WABCPR** wall speaker mount up to 55 lbs. (pair)  
Mfr. List \$199.90 **ONLY \$142.00**

**QL/60**

The QL/60 offers adjustable support for speakers weighing up to 60 lbs. Unit can be mounted for right/left or up/down pivoting. Priced as each.

- QL60** 60 lb. wall speaker mount (each)  
Mfr. List \$60.00 **ONLY \$45.00**

**Monitor Stands**

**QUICKLOK  
BS SERIES**

BS342 is a sturdy steel monitor stand (triangle base) at a fixed height of 42". The large, sturdy metal shelf comes with soft rubberized padding to reduce vibration.

BS336 is set at a fixed height of 36".  
BS315 is a variable height monitor stand (31.5" to 49.25"). All are priced as pair.

Quicklok  
BS342/BS336



Quicklok  
BS315

- BS342 42-inch fixed monitor stands (pair)  
Mfr. List \$160.00 **ONLY \$134.00**
- BS336 36-inch fixed monitor stands (pair)  
Mfr. List \$150.00 **ONLY \$125.00**
- BS315 height-adjustable monitor stands (pair)  
Mfr. List \$180.00 **ONLY \$135.00**

**PA Speaker Stands**

**ATLAS/QUICKLOK  
SS33E**

This heavy-duty aluminum speaker stand supports up to 150 lbs. Height adjusts from 48" to 85". Several mount adaptors available.

Atlas  
SS33E



- SS33E height-adjustable PA speaker stand (each)  
Mfr. List \$185.00 **ONLY \$105.00**

**QUICKLOK  
SP180 SERIES**

The SP180 tripod is a lightweight, yet sturdy aluminum stand for support of speakers up to 200 lbs (extends from 3' 6" - 6' 4"). Superior air-cushion design and 1-3/8" center tube gently lowers speaker cabinets, eliminating sudden drops.

Quicklok  
SP180BK



- SP180BK height-adjustable black PA speaker stand (each)  
Mfr. List \$120.00 **ONLY \$84.00**
- SP180SR height-adjustable silver PA speaker stand (each)  
Mfr. List \$110.00 **ONLY \$75.00**

**ULTIMATE  
TS80 SERIES**

These sturdy, lightweight aluminum stands can support speakers up to 150 lbs. The TS80 adjusts in height from 3'8" to 6' 7"; the TS88 adjusts in height from 5'2" to 9'2". The TS-88TL features an extendable leg that allows two legs to sit on a raised surface such as a stage stair, while the extended leg reaches to the floor to hold it level and secure. Silver color. Black available at extra cost

Ultimate  
TS88



- TS80T 6'7" PA speaker stand (each)  
Mfr. List \$115.00 **ONLY \$79.00**
- TS88T 9'2" PA speaker stand (each)  
Mfr. List \$135.00 **ONLY \$91.00**
- TS88BL 9'2" PA speaker stand with articulating leg (each)  
Mfr. List \$185.00 **ONLY \$126.00**

\* Non-inventory item subject to return restrictions.

**PA Speakers**



**ELECTRO-VOICE  
SX SERIES**

Electro-Voice engineers have developed several state-of-the-art professional loudspeaker systems. The SX500+ is a 15-inch, two-way biamplified speaker system featuring a vented-horn woofer section. The SX500+ will handle 400 watts of power. It's lightweight and made of very durable polypropylene structural foam with molded-in handles and attachment points for secure mounting and suspending. It can be easily fitted with a tripod stand and makes an excellent loudspeaker for remote work.

The SX300A has a smaller 12" woofer, but includes a 300-watt amplifier.  
The SX100PLUS is a compact, two-way 12-inch medium-throw, full-range system which handles 200 watts of power.  
The SX80BP is a two-way, 8-inch short-throw system which handles 175 watts of power. All are priced as each.

- SB121A is a powered 300 watt subwoofer module.
- \*SX500+ 15", 2-way PA speaker (each) Mfr. List \$1,050.00 **ONLY \$699.00**
- \*SX300A 12", 2-way amplified PA speaker (each) Mfr. List \$1,422.00 **ONLY \$949.00**
- \*SX100PLUS 12", 2-way PA speaker (each) Mfr. List \$546.00 **ONLY \$359.00**
- SX80BP 8", 2-way PA speaker (each) Mfr. List \$334.00 **ONLY \$219.00**
- SB121A 12", 300-watt subwoofer Mfr. List \$1,156.00 **ONLY \$769.00**



**JBL  
EON15G2**

The EON15 G2 is a full range professional speaker with an integrated amplifier and basic mixer built into one package. This cost-effective, versatile system is ideal for radio remotes, bands, clubs, schools, churches, A/V houses, hotels and many others. EON's input section allows both mic and line level inputs. In addition, the new Loop/Mix output allows you to daisy-chain EON speakers or send signal directly to the main PA. JBL's exclusive Neodymium Differential Drive® transducer provides superior audio performance while reducing weight. Thermomaster® technology prevents thermal problems often exhibited in competitive products and eliminates the need for cooling fans and ugly external heatsinks, even at high volumes. With the EON15 G2's additional power, you get cleaner, clearer sound at any volume. The low frequency has 300 watts and 100 watts are dedicated to the high frequency horn. Priced as each.

The EON Power 10 is a 10", 2-way amplified PA speaker with 125 watts power. Priced as each.

- \*EON15G2 15", 2-way biamplified PA speaker system (each)  
Mfr. List \$849.00 **ONLY \$699.00**
- \*EON10P 10", 2-way amplified PA speaker (each)  
Mfr. List \$653.00 **ONLY \$429.00**

**PA Speakers and Accessories**

**MACKIE**

**SRM450/C300I/SRS1500**

SRM450's are powerful PA speakers accurate enough to be called monitors. Active sound reinforcement brings truckloads of power to any event, yet offers the listening criteria reserved for high-end studio monitors in a live sound environment. **Features:** 2-way design (12" LF, 1.75" HF); bi-amplification (300 watts/150 watts); built-in precision 24 dB/oct electronic crossover; dispersion horn design; high SPL output/extremely low distortion; electronic time correction, phase alignment and equalization.

C300I are passive monitors with 300-watt power handling capability. 1/4" connectors. Priced as each.

SRS1500 is a 600-watt amplified subwoofer (15" transducer).

- |                    |   |
|--------------------|---|
| SRM450             | 12" 2-way biamplified PA speaker (each) |
| Mfr. List \$899.00 | <b>ONLY \$779.00</b>                    |
| C300I              | 12" 2-way PA speaker (each)             |
| Mfr. List \$499.00 | <b>ONLY \$399.00</b>                    |
| SRS1500            | 15" amplified subwoofer (each)          |
| Mfr. List \$999.00 | <b>ONLY \$849.00</b>                    |



**RDL**

**SPEAKER CROSSOVERS**

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems. Active units require a 24-volt power supply such as the PS24A (sold separately).

STCX1F is a full-range crossover (100 Hz-30 kHz).  
STCX1W is a woofer crossover (40 Hz-165 Hz).  
STCX1S is a subwoofer crossover (22 Hz-80 Hz).

- |                    |                                      |
|--------------------|--------------------------------------|
| STCX1F             | full range crossover - 100 Hz-30 kHz |
| Mfr. List \$119.00 | <b>ONLY \$93.00</b>                  |
| STCX1S             | subwoofer crossover - 22 Hz-80 Hz    |
| Mfr. List \$119.00 | <b>ONLY \$93.00</b>                  |
| STCX1W             | woofer crossover - 40 Hz-165 Hz      |
| Mfr. List \$119.00 | <b>ONLY \$93.00</b>                  |

See page 13 for complete Mackie PA Systems

**PA Systems**

**Complete Fender PA System**

**FENDER PASSPORT SERIES**

Truly unique, the Fender Passport is a totally self-contained portable sound system complete with a self-powered 4-channel mixer, 2 full-range speaker units, 2 dynamic cardioid microphones and all the necessary connection cables. Setup takes no more than five minutes and the audio performance is excellent. **Features:** 250 watts of pure stereo power at 8 ohms (125 WPC); 4-channel, 8-input mixer; 2 additional stereo channels, sophisticated one-touch equalization; digital reverb with remote bypass; eight 6.5" high-efficiency drivers in two cabinets; switchable line voltage for international use; selectable main-monitor operation; tape out jacks for performance recording; on-board storage for mics and cables; auxiliary send and return jacks; amplifier send and return jacks; total weight 53 pounds.

Also available is the P-150 system with 75 watts per channel, 3 mic/line plus one stereo input, one microphone and connecting cables. Complete your PA system with many accessories designed specifically for your Fender package.

The P250 WIRELESS microphones plug into the back of the system. Each consists of a cardioid condenser mic, transmitter and receiver.

The 12VDC-DC power converter enables the Passport system to operate on 12-volt battery power.

Take along the BATTERYPACK and you have a rechargeable 12-volt DC battery pack for use with the converter.

For mounting speakers up high, purchase the ST275 black anodized aluminum tripod stands.

The Passport TRAVELPACK consists of a specially fitted luggage cart and heavily padded travel cover to make transporting a snap.

- |      |                             |                    |                      |
|------|-----------------------------|--------------------|----------------------|
| P250 | 250-watt portable PA system | Mfr. List \$950.00 | <b>ONLY \$665.00</b> |
| P150 | 150-watt portable PA system | Mfr. List \$699.99 | <b>ONLY \$490.00</b> |

**All the Fender Accessories You Need**

**FENDER PASSPORT ACCESSORIES**

- |                |                                       |                    |                      |
|----------------|---------------------------------------|--------------------|----------------------|
| *P250 WIRELESS | wireless mic system for Fender P250   | Mfr. List \$300.00 | <b>ONLY \$210.00</b> |
| *12VDC-DC      | 12-volt adaptor for Fender P250       | Mfr. List \$150.00 | <b>ONLY \$108.00</b> |
| BATTERYPACK    | rechargeable 12-volt power for P250   | Mfr. List \$200.00 | <b>ONLY \$143.00</b> |
| *ST275         | speaker tripod pair for Fender P250   | Mfr. List \$230.00 | <b>ONLY \$165.00</b> |
| TRAVELPACK     | cover and travel cart for Fender P250 | Mfr. List \$120.00 | <b>ONLY \$86.00</b>  |

**PA Systems**

**Production Mixers**

**MACKIE PPM SERIES**

Mackie has six tough, hit-the-road mixers with plenty of power (up to 1200 watts) to drive your C300i PA speakers. Choose from models with 6 channels (all mono) up to 8 channels (6 mono, 2 stereo). Features: 32-bit digital effects processor with 16 different effects and 2 controllable parameters per effect; input gain control; twin power amplifiers; inserts on channels 1-6; 3-band EQ on each channel; phantom power and more.

- 406M 500-watt, 6-channel mono mixer  
Mfr. List \$699.00 **ONLY \$549.00**
- 408M 500-watt, 8-channel mono mixer  
Mfr. List \$799.00 **ONLY \$649.00**
- 408S 500-watt, 8-channel stereo mixer  
Mfr. List \$899.00 **ONLY \$749.00**
- 808M 1200-watt, 8-channel mono mixer  
Mfr. List \$899.00 **ONLY \$749.00**
- 808S 1200-watt, 8-channel stereo mixer  
Mfr. List \$999.00 **ONLY \$849.00**

**MACKIE CFX SERIES**

Available in affordable 12- and 16-channel models, these CFX mixers with built-in effects modules make great PA system mixers. Just add powered speakers (like the SRM450 shown at right). Features: 16 channels (12 mic/line mono and 2 stereo line) or 12 channels (8 mic/line and 2 stereo line); 16 digital effects with 32-bit internal EMAC processing; 9-band stereo graphic program equalizer; trim control with 50 dB of mic gain (for low-output mic; +30 dB of line level gain and a full 15dB of attenuation to "pad" hot signals); inserts on all mic channels and mains; Aux Sends, external and internal EFX Sends; 12kHz shelving high-frequency EQ; 80Hz shelving low-frequency EQ; Pre-Fader Solo switch lets you monitor the channel via headphones; subgroup buses "collect" channel signals assigned to them so you can submix vocals, instruments, etc; tape level control; unbalanced RCA I/O; balanced/unbalanced 1/4" TRS and balanced XLR outputs for mains; headphone jack; subwoofer output from built-in 18dB/oct. 75Hz crossover; extra utility outputs with their own level control; steel chassis.

- CFX12 12x4x2 compact mixer w/ effects  
Mfr. List \$639.00 **ONLY \$579.00**
- CFX16 16x4x2 compact mixer w/ effects  
Mfr. List \$899.00 **ONLY \$739.00**

**Build Your Own High-Performance Mackie PA System**

**MACKIE C300I**

C300i are high-quality passive 2-way speakers (12" LF, 1.75" HF) with 300-watt power handling capability. They're designed for live sound environments, yet offers the listening criteria reserved for high-end studio monitors. Combine them with a PPM mixer and you're ready for a roac. tour! Priced as each.

- C300I 12" 2-way PA speaker  
Mfr. List \$499.00 **ONLY \$399.00**

**Combine NEW CFX Mixers with amplified SRM450 speakers**

**MACKIE SRM450**

SRM450's are powerful PA speakers. Active sound reinforcement brings truckloads of power to any event. Features: 2-way design (12" LF, 1.75" HF); bi-amplification (300 watts/150 watts); built-in precision 24 dB/oct electronic crossover; dispersion horn design; high SPL output/extremely low distortion; electronic time correction, phase alignment and equalization. Priced as each.

- SRM450 12" 2-way amplified PA speaker (each)  
Mfr. List \$899.00 **ONLY \$779.00**

**NEW**



**ALESIS STUDIO32**

The Studio 32 is a 16-channel, 4-group, inline monitor recording console which offers superb sonic quality and routing versatility. As a true inline console, the Studio 32 lets you send 16 audio signals to a recorder and monitor 16 channels coming back from tape without re-patching. Its 16 hybrid/discrete phantom-powered mic preamplifiers offer excellent sonic quality, very low noise and high headroom with more than 60dB of gain, making it ideal for digital recording. Plus, these preamps are fed by 16 XLR inputs - one for each mic. Another highlight, is its big console EQ section, providing low and high shelving controls and a powerful, fully-parametric mid-frequency control set with individual gain, sweep and Q controls. Effects and cue mixes are handled by six aux sends, two pre-fader and four post-fader. The Studio 32 connects to a variety of gear using either balanced or unbalanced signal levels, with 1/4" TRS jacks.

- STUDIO32 16-channel, 32-input audio mixer  
Mfr. List \$1,149.00 **ONLY \$899.00**



**ALESIS STUDIO12R**

The Studio 12R is a 12-channel, rack-mountable mixing console that offers 8 ultra-high-quality microphone preamps and 60mm faders on each channel. Features: two bands of shelving EQ (12 kHz and 80 Hz) allowing for tonal adjustment; two aux send controls (one pre-fader and one post-fader) may be used for monitor returns or setting up the routing scheme for effects processing; individual Insert points on each channel; headphone jack; 48-volt phantom power; balanced XLR and TRS I/Os.

- STUDIO12R 12-channel rack mount mixer Mfr. List \$449.00 **ONLY \$349.00**



**BEHRINGER MX802A/MX602A**

The MX802A 8-channel mixer is ideal for your project studio, remote event or applications that demand quick mixing in a limited space. Behringer's ultra-low-noise circuitry and high-quality mic preamps ensure transparent, noise-free performance. Features: 8 channel inputs (4 mono and 2 stereo); 4 mic preamps with phantom power; 3-band EQ (with low-cut filters on mono channels); 2 AUX sends; 2 stereo AUX returns; steel casing.

The MX602A incorporates Behringer's high-quality design in a smaller mixer for remote applications. It offers 2 mono and 2 stereo channels, 3-band EQ and more - all in a unit weighing no more than 3 lbs.

- MX602A 6-channel audio mixer Mfr. List \$119.00 **ONLY \$99.00**
- MX802A 8-channel audio mixer Mfr. List \$179.00 **ONLY \$149.00**

\* Non-inventory item subject to return restrictions.

**Production Mixers**



**BEHRINGER  
MX1804X**

In the MX1804X, Behringer took their renowned VIRTUALIZER effects processor, using the same 24-bit processor and algorithms, and fit them into a 14-channel production mixer. This gives you 32 presets with excellent room simulations based on virtual acoustics plus various modulation effects. **Features:** 10 channel strips and faders; 6 mono inputs and 4 stereo inputs; 6 mic preamps; 2+2 subgroups; 3-band EQ (mono channels); 4-band EQ (stereo channels); 7-band graphic EQ; 2 AUX sends; 2 AUX stereo returns.

**MX1804X 18-input, 4-bus audio mixer**  
Mfr. List \$499.00 **ONLY \$399.00**



**BEHRINGER  
MX2004A**

The MX2004 is a super affordable mixing console for professional audio applications. And it's definitely not stripped down. It offers 20 total inputs (with AUX returns); 3-band EQs with semi-parametric mids in the mic channels; 4-band EQ in the stereo channels and two aux paths, one of them pre/post switchable per channel; peak/mute/solo LEDs and ALT 3-4 bus with faders.

**MX2004A 16-channel audio mixer**  
Mfr. List \$379.00 **ONLY \$299.00**



**BEHRINGER  
MX2442A**

Ultra-low noise mic preamps, based on conjugate-pair high-current transistors, are one of the main reasons the MX2442A gives your production such fabulous audio quality. Add extreme bandwidth (5 Hz to 100 kHz) and you get massive gain reserves as well as an excellent S/N ratio at all gain settings. **Features:** 20 channel strips; 16 mono inputs with mic preamps; 4 stereo inputs; 4 subgroups; 3-band EQ (mono channels); 4-band EQ (stereo channels); 6 AUX sends; 2 AUX stereo returns; 16 channel inserts; internal talkback mic.

**MX2442A 24-input, 4-bus audio mixer**  
Mfr. List \$1,099.00 **ONLY \$899.00**



**MACKIE  
CFX SERIES**

Now you can have a Mackie-quality console with the convenience of built-in effects. Mackie's CFX Series "effects" mixers meet the most stringent standards for sound quality, low noise and high headroom. Mackie's own digital engineering staff contributed sophisticated EMAC 32-bit digital effects that are the equal of name brand outboard processors. Available in 12-, 16- and 20-channel designs, these CFX mixers make your production tasks easier and eliminates lugging around additional effects processors. **Features:** 20 channels (16 mic/line mono and 2 stereo line), 16 channels (12 mic/line mono and 2 stereo line) or 12 channels (8 mic/line and 2 stereo line); 16 digital effects with 32-bit internal EMAC processing; 9-band stereo graphic program equalizer; trim control with 50 dB of mic gain (for low-output mic; +30 dB of line level gain and a full 15dB of attenuation to "pad" hot signals); inserts on all mic channels and mains; Aux Sends, switchable to pre-fader for monitor use; external and internal EFX Sends; subgroup buses "collect" channel signals assigned to them so you can submix vocals, instruments, etc; RCA-type unbalanced tape/CD inputs and tape outputs; balanced/unbalanced 1/4" TRS and balanced XLR outputs for mains; headphone jack with level control.

- CFX12 12x4x2 compact mixer with effects** Mfr. List \$699.00 **ONLY \$579.00**
- CFX16 16x4x2 compact mixer with effects** Mfr. List \$899.00 **ONLY \$779.00**
- CFX20 20x4x2 compact mixer with effects** Mfr. List \$1,099.00 **ONLY \$899.00**

**Top  
Seller**



**MACKIE  
1202VLZPRO/1402VLZPRO**

These 12- and 14-channel mixers are excellent broadcast production solutions. Excellent microphone preamps deliver even lower noise and higher headroom than Mackie's previous design. The 12-channel 1202VLZPRO is perfect for remotes and includes 4 extended dynamic range preamps, 8 high-headroom line inputs, phantom power, advanced DC pulse transformer RF rejection, 3-band EQ and more.

The incredibly popular 1402VLZPRO offers 6 mic-pres, 4 stereo line inputs, easy-to-control 60mm linear faders, separate ALT/cue bus, headphone matrix and more.

- 1202VLZPRO 12-channel audio mixer**  
Mfr. List \$ 59.00 **ONLY \$379.00**
- 1402VLZPRO 14-channel audio mixer**  
Mfr. List \$629.00 **ONLY \$549.00**
- RM1202VLZ rack ears for Mackie 1202VLZPRO**  
Mfr. List \$12.00 **ONLY \$10.00**
- RM1402VLZ rack ears for Mackie 1402VLZPRO**  
Mfr. List \$12.00 **ONLY \$10.00**

**MACKIE  
1642VLZPRO/1604VLZPRO**

This Mackie mixer offers a perfect combination of mic and line level inputs. The 1642VLZ PRO has 16 total channels (8 mic/line plus 2 stereo mic/line plus 2 stereo line). **Features:** 10 ultra-low noise, high headroom mic preamps; 48V phantom power; 8 TRS channel inserts; 60mm log-taper faders; 4 AUX sends, level, pan -20 dB and OL LEDs on each channel; 3-band EQ with sweepable midrange on mono channels, 4-band EQ on stereo channels.

The Mackie 1604VLZPRO offers a full 16 mic preamps.

- 1642VLZPRO 16-channel audio mixer**  
Mfr. List \$999.00 **ONLY \$849.00**
- 1604VLZPRO 16-channel audio mixer**  
Mfr. List \$1,249.00 **ONLY \$979.00**
- RP1604VLZ rotopod for 1604VLZPRO**  
Mfr. List \$25.00 **ONLY \$21.00**



# VLZ<sup>®</sup> PRO Series with XDR<sup>™</sup> mic preamplifiers. Precise creative tools for serious artists.

If you're serious about your creative product, your equipment list should start with a really good mixer like our VLZ<sup>®</sup> PRO Series. The industry standard for compact mic/line mixers, they're used day-in and day-out by more professionals to create more albums, demos, movie and broadcast sound tracks, commercials and web casts than any other brand.

## XDR. The finest microphone preamp design ever built into a compact mixer.

Because the preamps in mixers have long been considered a poor second to \$1000 to \$2000-per-channel outboard preamps, Greg and our Analog Engineering Department spent two years of meticulous experimentation creating a sonically comparable mic preamp circuit.

According to numerous cynical recording engineers, magazine reviewers and a lot of satisfied owners, we succeeded.

One reason is the advanced 2068 op-amp that is a foundation of the XDR design. It blows away our competitors' op-amps in terms of noise and distortion. Consider these real, measurable XDR<sup>™</sup> (Extended Dynamic Range) microphone preamp specs:

- 0.0007% CCIF Total Harmonic Distortion
- 0.0008% CCIF Intermodulation Distortion
- 130dB total dynamic range to handle hot digital sources
- 3Hz to 192kHz bandwidth
- Ultra-low mic E.I.N. at practical gain levels

## The VLZ PRO Compact Mixer Series:

- Premium XDR mic preamps and VLZ circuitry for ultra-low noise
- New high-performance 2068 op-amps
- Musical, sweet-sounding equalization at useful, logical frequencies
- Sharp 18dB/octave Low Cut filters
- Stereo In-Place Solo
- Easy channel level setting via Solo
- Constant Loudness pan pots
- Inserts on all mono mic/line channels
- 60mm long-wearing, logarithmic-taper faders (except 1202-VLZ PRO)
- Sealed rotary controls
- Thick MIL-spec fiber-glass circuit boards
- Built-in high-current power supplies
- Steel chassis
- Easy-to-understand manuals
- Best Technical Support in the industry

Call your nearest Mackie office for a 72-page brochure/ hook-up guide that explains the VLZ PRO line in excruciating detail. Or log on to our web site. Then call BSW to decide which VLZ PRO model best meets your creative needs.



MADE BY  
MACKIES IN  
WOODBRIDGE  
V.A., USA

**MACKIE**

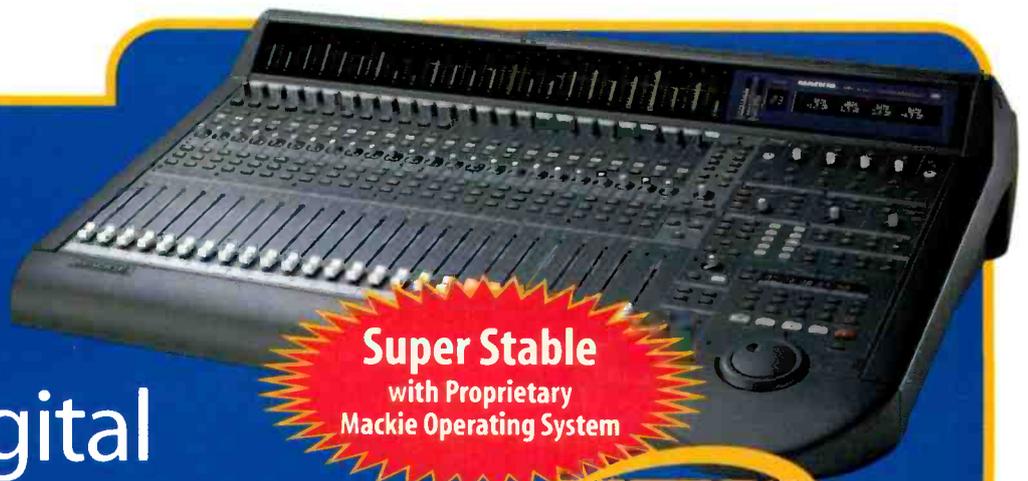
[www.mackie.com](http://www.mackie.com)



Production Mixers

# BSW Now has Mackie Digital

**MACKIE**  
**D8B**



**Super Stable**  
with Proprietary  
Mackie Operating System

**NEW**

When you sit down at a Digital 8-Bus, you'll feel as well as hear a difference. Because the D8B is a mid-sized digital console designed by large-console automation specialists, it's as intuitive and easy to use as an analog console. Its software was created by seasoned recording engineers with years of hands-on experience using every major automated console design. Now, with 3.0 software, 3rd-party plug-ins and a matching hard disk recorder, the D8B has truly come into its own as the accepted pro audio industry production platform. New 3.0 Features: third-party plug-ins via the Mackie UFX card; enhanced dynamics; input keying and EQ filter; soft knee compression toggle; linear and exponential option; 48-channel overview screen; 999 levels of Un-Do; 24-bit Alt I/O; advanced Mix Editor features including new view-sizing arrows; auto-punch; auto-loop SMPTE time code boxes; loop-In/loop-out, Punch In, Punch Out and Locate markers in the time bar; Event Automation Track; Enhanced Surround Sound mixing environment with depth of center control; surround LFE Gain Control for each channel; surround-corrected bus/track assignment; surround Front-to-Rear Pan Control via control surface or MIDI; surround GUI update - new 72-channel overview; drag and drop file management between file windows; enhanced, flexibly MIDI I/O mapping for all channel strip parameters and/or effects modules; insert and patch point feature on channels - source either plug-ins, 8 aux sends, 8 buses or 72 channels (pre-DSP only); 24-bit plug-in inserts across Main L/R buses; time offset (delay) on each channels 1-48 with 255 samples; multiple direct outs per channel; MMC Auto Punch mode; snapshot library; Pre/Post assignment of each aux send on each channel; improved BBT resolution and clocking accuracy; much more. Call BSW today to get the full details on Mackie Digital consoles.

\*D8B digital 8-bus console Mfr. List \$9,999.00 **ONLY \$8,999.00**



Mackie 32-B  
shown with MB32



**MACKIE**  
**8 BUS SERIES**

Mackie's 8-Bus series is proof that a high-quality, full-featured console for multitrack recording doesn't have to cost a fortune. Available in 16-, 24-, and 32-channel versions, these consoles are a combination of high-quality components, innovative design and incredible features, giving excellent value for your dollar. **Features:** 100 mm precision network faders; separate tape monitor path; A & B mix paths; 6 AUX sends and returns; 4-band EQ (Hi and Low shelving; Hi mid-sweep and Low mid-sweep); solo/channel metering, 2 headphone mixes; studio/control speaker mixes; talkback with built-in mic; balanced XLR mic and TRS line inputs; balanced XLR main outputs; balanced TRS sub-outputs. Options: meter bridges (MB-16, MB-24, MB-32). Dimensions: (16-8) 29.2"W; (24-8) 37"W; (32-8) 45.8"W x 28.8"D x 4.8"H w/o meter; 9"H w/meter.

**MACKIE**  
**32-4VLZPRO/24-4VLZPRO**

Mackie's upgraded 32-channel console offers quality and durability in a flexible 4-bus format that is suitable for both recording and broadcast applications. Mackie's new XDR (extended dynamic range) mic preamps are designed to compete with outboard preamps costing hundreds of dollars each. You'll notice the highly-focused high end. The superior ambience retrieval. The substantial, detailed lower bass octaves. And hear textural midrange details you never knew your microphone could reproduce. **Features:** long-taper 60mm faders; 3-band EQ with sweepable mids on all inputs; low-cut input filter; ultra-high frequency EQ enhancer on subgroups; 6 AUX sends (4 can be pre- or post-fader); pre- and post-fader listen (cue); flexible control room and tape monitoring; talkback facilities; rigid steel chassis; balanced analog mic and line inputs (XLR and TRS); balanced TRS AUX outputs; balanced TRS and XLR main stereo outputs. The 24-4VLZPRO is an affordable 24-channel console.

168	16-channel audio mixer	Mfr. List \$2,719.00	<b>ONLY \$1,999.00</b>
248	24-channel audio mixer	Mfr. List \$3,399.00	<b>ONLY \$2,399.00</b>
32-8	32-channel audio mixer	Mfr. List \$4,249.00	<b>ONLY \$2,999.00</b>
MB16	meter bridge for Mackie 168	Mfr. List \$699.00	<b>ONLY \$499.00</b>
MB24	meter bridge for Mackie 248	Mfr. List \$799.00	<b>ONLY \$599.00</b>
MB32	meter bridge for Mackie 32-8	Mfr. List \$899.00	<b>ONLY \$699.00</b>

32-4VLZPRO	32-channel audio mixer	Mfr. List \$1,999.00	<b>ONLY \$1,599.00</b>
24-4VLZPRO	24-channel audio console	Mfr. List \$1,599.00	<b>ONLY \$1,299.00</b>

\* Non-Inventory item subject to return restrictions.

**NEW**

### SOUNDCRAFT SPIRIT M SERIES

The Soundcraft Spirit M Series is available in 4, 8 or 12 mono input channel frame sizes. In addition to the mono input channels, all three mixers include four stereo inputs and four stereo returns. All inputs, EQ, auxes, panning and level controls are presented clearly, saving you time when creating your mixes. High quality 100 mm faders combine with signal and peak LEDs on every channel and high resolution output metering places you in total control. The brushed steel side panels aren't just beautiful, they can withstand a weight of 132 lbs. and are designed to leave the mixer with no sharp edges. Removing these panels reveals a integral rack mounting system. Features: 4/8/12 mono inputs with 3-band EQ (swept mid); 4 dedicated level-controlled FX returns with master level control; 4 auxiliary sends - 2 pre-fade, 2 post-fade; pre-/post-fade switchable direct output on every mono input channel; signal detect and peak LEDs; S/PDIF digital output; global 48V phantom power.

<b>SPIRITM4</b>	<b>4 mono and 4 stereo input mixer</b>
Mfr. List \$699.00	<b>ONLY \$569.00</b>
<b>SPIRITM8</b>	<b>8 mono and 4 stereo input mixer</b>
Mfr. List \$849.00	<b>ONLY \$691.00</b>
<b>SPIRITM12</b>	<b>12 mono and 4 stereo input mixer</b>
Mfr. List \$999.00	<b>ONLY \$813.00</b>



### SOUNDCRAFT SPIRIT FOLIO NOTEPAD/FOLIO POWERPAD

The smallest mixer available from Spirit, Folio Notepad combines DAT quality audio and versatile features. Features: mono mic/line inputs with high-gain, low-noise mic preamps, phantom power and 2-band EQ; 2 stereo line inputs equipped with switchable turntable preamps; post-fader AUX sends on each input channel; dedicated stereo effects return; 2-track return; peak and VU metering; separate main and monitor outputs; balanced TRS main and monitor outs. Dimensions: 9.6"W x 8.9"D x 2"H. Spirit's Folio Powerpad adds a built-in, 2-channel 30 watt amplifier with overload and thermal protection. Dimensions: 8.7"W x 8.9"D x 4.5"H.

<b>RW5353</b>	<b>8-channel audio mixer</b>
Mfr. List \$300.00	<b>ONLY \$254.00</b>
<b>RW5427</b>	<b>8-channel audio mixer</b>
Mfr. List \$400.00	<b>ONLY \$363.00</b>

\* Non-inventory item subject to return restrictions.

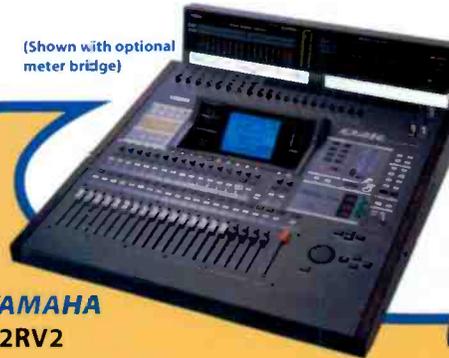


### SOUNDCRAFT 328

With its unique console-based interface, the 8-bus digital 328 finally bridges the gap between analog and digital mixers retaining the spontaneity and ease of use of an analog console yet providing recall, moving fader automation and on-board Lexicon effects found only on more expensive digital consoles. Features: 16 mic/line and 5 stereo inputs with a total of 42 inputs at mixdown; 16 digital tape returns on both Alesis ADAT optical and Tascam TDIF formats; 24-bit throughput; 3-band fully parametric EQ; 4 Auxes; 2 Lexicon effects processors; 2 dynamic processors and 100 mm moving faders. Along with snapshot and dynamic automation capability, it has built-in metering. Connectors include timecode input; RS422 port; MIDI ports; wordclock I/O; S/PDIF I/O and AES/EBU I/O.

<b>RW5546</b>	<b>42-input, 8-bus digital audio console/mixer</b>
Mfr. List \$4,999.95	<b>ONLY \$4,221.00</b>

(Shown with optional  
meter bridge)



### YAMAHA 02RV2

The 8-bus 02RV2 uses an "open system" for compatibility with all major industry-standard digital audio formats (TASCAM [TDIF-1], ADAT, AES/EBU, and Yamaha). It offers 24 analog channels, 8 output busses (analog/digital), 16 direct outputs, and 8 auxiliary sends for extraordinary signal processing power in remarkably compact dimensions. Features: 24-bit capability; various surround panning options; off-line copy-and-paste editing; timecode offset and timecode quick location; touch sense fader editing, which allows a fader to be instantly updated by simply moving it; MIDI remote and MIDI control assign; on-board MS stereo decoding; bus channel pairing, flexible routing assignment and fader grouping; 96 scene memories; 4-band parametric EQ; 8 bus outputs; 8 AUX sends; 16 direct outputs; built-in dynamics and effects processing; balanced XLR stereo outputs; AES/EBU and S/PDIF digital outputs. Dimensions: 26"Wx27"Dx9"H. Options: expansion cards for an additional 16 digital inputs; MB02 meter bridge.

<b>*02RV2</b>	<b>24-input, 8-bus digital audio console/mixer</b>
Mfr. List \$8,899.00	<b>ONLY \$5,499.00</b>
<b>*MB02</b>	<b>meter bridge for Yamaha 02RV2</b>
Mfr. List \$1,299.00	<b>ONLY \$969.00</b>



### YAMAHA 03D

Based on the successful O2R, the O3D offers a balance of features and affordability. Features: 16 balanced inputs (8-XLR/TRS and 8-TRS only); a single stereo line input (TRS); a slot for optional I/O cards; internal automation system with motorized faders; snapshot; scene memory; 4-band parametric EQ; 4 bus outputs; 4 AUX sends; inserts on channels 1&2; built-in dynamics and effects processing; balanced XLR stereo outputs; AES/EBU and S/PDIF digital outputs. Dimensions: 18.1"W x 20.3"D x 8"H. Options: digital interface cards for DA-88, ADAT, AES/EBU and Yamaha formats.

<b>03D</b>	<b>16-channel, 4-bus digital audio mixer</b>
Mfr. List \$3,699.00	<b>ONLY \$3,144.00</b>



**Renowned  
Yamaha  
Digital Mixers**

### YAMAHA 01V

The 01V is an enormously powerful digital mixer featuring a wealth of signal routing, processing and mixing options. Features: 16 analog inputs (12 balanced with mic preamps and phantom power); 99-scene memory; two stereo multi-effects processors with the same DSP as the Yamaha ProR3 and REV500, and an effects library with 42 presets and 57 user presets; 4-band EQ with dedicated knobs (each band adjustable from 20 Hz to 20 kHz); MIDI thru/in/out; 4 assignable balanced TRS analog outputs, balanced XLR stereo outputs; digital coaxial I/O. Options: expansion cards for an additional 8 digital inputs or 8 assignable digital outputs for direct connection to multitrack recorders.

<b>01V</b>	<b>16-input, 4-bus digital audio mixer</b>
Mfr. List \$2,199.00	<b>ONLY \$1,799.00</b>

**Production Mixers**



**YAMAHA**  
**MV12/6**

**NEW**

The new 7U rack-mountable MV12/6's 12-input channels are just right for smaller applications and 6 independently assignable output buses (4 group + stereo) deliver exceptional versatility. Features: all channels feature a 3-band EQ (high, mid, low), two auxiliary sends (AUX2 is switchable between pre- and post-fader modes), effect send, bus switches for routing to group 1/2, group 3/4 and stereo outputs and a channel fader; 4 group and stereo buses; 7-band EQ and 16 digital effects; inputs 1-8 are all equipped with both XLR and Euro-block connectors for quick, easy and flexible connectivity; channels 1-8 are also equipped with individual phantom power; channels 9/10 and 11/12 are stereo input channels; insert I/O jacks supplied on channels 1-4; outputs are stereo out, group out 1-4, monitor and mono outputs; phone jack provides easy monitoring.

MV12/6 12-input, 6-bus audio mixer  
Mfr. List \$799.00 **ONLY \$649.00**



**BROADCAST TOOLS**

**SM-6**

The SM-6 is a 6-input stereo utility mixer equipped with 6 front panel push button type on/off switches. Audio connections appear on the rear panel via removable screw terminals. The SM-6 is equipped with six stereo active balanced inputs with 15 turn input trimmers and single turn output trimmers. Ample gain is provided allowing use of unbalanced consumer level devices. It may also be configured for dual monaural output operation.

SM6 6 input stereo mixer Mfr. List \$369.00 **ONLY \$328.00**



**Popular Utility Mixers from Henry Engineering**

**HENRY ENGINEERING STEREO MIXER**

Henry Engineering builds many of your favorite interface tools. The StereoMixer is no exception. Features: 8 line level inputs (4 stereo or 8 mono); bridging inputs which accept a balanced or unbalanced source; stereo and mono balanced outputs; individual input level adjustment; L/R bus input for linking multiple units; 115/230 VAC, 50/60 Hz; all connections via barrier strip terminals.

STEREOMIXER 8-channel utility line mixer  
Mfr. List \$250.00 **ONLY \$209.00**

**HENRY ENGINEERING MICROMIXER**

MicroMixer is a four-input, two-out stereo utility mixer. Features: balanced and bridging inputs; Individual input level controls; each input is separately assignable to the left, right, or both outputs; balanced stereo outputs will drive a 600 ohm load to +25 dBm; all connections via barrier strip terminals.

MICROMIXER 4-channel utility line mixer  
Mfr. List \$195.00 **ONLY \$163.00**



**BROADCAST TOOLS CCIIA**

Here's the solution for interfacing non-broadcast consoles or digital workstations to the broadcast studio. Features: 3 channels of insert switching to turn on or off console input channels or other source equipment (i.e. mic preamps); LEDs on each channel may be programmed to flash when activated; monitor amplifier mute control (channel 3 may be programmed not to mute the monitors when activated); monitor level control; ability to switch between internal or external (program/off-air) monitor input sources.

CCIIA console controller Mfr. List \$319.00 **ONLY \$292.00**



**RANE MLM82A/SM26B**

This flexible MLM82A 8-channel mixer can handle a variety of input sources and applications. Features: 8 inputs (4 balanced mono mic/line with XLR connectors, 4 stereo/mono line inputs with 1/4" TRS connectors); mic inputs have switchable phantom power; 2 XLR outputs switchable to mic level, line level or mono.

The SM26B is an extremely versatile, single-rack-space mixing tool that can act as an 8-in/2-out line mixer, a 2-in/6-out line splitter or a 6-in/6-out booster amp. Features: 6 balanced mono inputs plus a single stereo input can be panned between two main outputs; 6 mono outputs can be fed with any mix of the separate L and R inputs; front panel mix/pan and level controls for each channel; balanced TRS inputs and outputs.

MLM82A 8-channel mic/line mixer  
Mfr. List \$499.00 **ONLY \$381.00**

SM26B 8-input line splitter/mixer  
Mfr. List \$439.00 **ONLY \$375.00**

**Utility Mixers**



**RDL STICK-ON SERIES MIXERS**

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems.

ST-MLX3 is a 3-channel utility mixer for combining one or two line-level signals with a mic-level signal.

ST-MMX3 provides audio mixing of 3 mic inputs with individual input gain adjustments. Line level output.

ST-MX3 provides audio mixing of three line level inputs with individual gain adjustments.

ST-MXL3 is a 3-channel audio mixer used for combining three line level signals to a single microphone level output.

All four models require 24-volt power supply (PS24A sold separately).

STMLX3 3-channel utility mic/line mixer  
Mfr. List \$124.00 **ONLY \$100.00**

STMMX3 3-channel utility microphone mixer  
Mfr. List \$130.00 **ONLY \$106.00**

STMX3 3-channel utility line mixer  
Mfr. List \$117.00 **ONLY \$96.00**

STMLX3 3-channel utility line mixer  
Mfr. List \$124.00 **ONLY \$100.00**

PS24A power supply for RDL Stick-On™ series  
Mfr. List \$18.00 **ONLY \$15.00**



**RDL RU-MX5**

This compact, 5-channel mixer is only 1/3 rack space wide. Features: five balanced/unbalanced main inputs (4-mic/line, 1-line only); a mix input for combining multiple mixers; balanced mic or line output; LED level indicators (-20, 0, +5); phantom power (jumper selectable); connections via barrier strip.

RUMX5 5-channel mic/line mixer  
Mfr. List \$255.00 **ONLY \$208.00**



BSW stocks a huge warehouse of products. If we have it in stock, we will ship it the same day. Just call us by 5:00 pm Eastern Standard Time.

Applies to domestic customers with approved credit.

\* Non-inventory item subject to return restrictions.

**On-Air Consoles**



**AEQ  
BC300 SERIES**

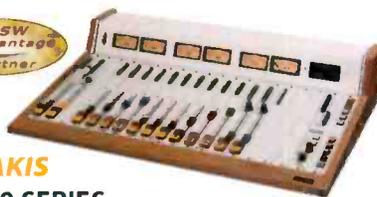
The BC300 series consoles are affordable, compact consoles suitable for a variety of applications from on-air to remotes. **Features:** built-in telephone hybrid; built-in 10+10 watt amplifier for studio monitors; master and AUX outputs; built-in stereo cue speakers; routable talkback.

BC-306 includes 2 mono mic/line inputs and 4 stereo line inputs.

BC-312 includes 4 mono and 8 stereo.  
Dimensions (both models): 23.7"W x 14"D x 6.9"H.

\*BC306 **6-channel audio console**  
Mfr. List \$2,075.00 **ONLY \$1,946.00**

\*BC312 **12-channel audio console**  
Mfr. List \$2,975.00 **ONLY \$2,790.00**



**ARRAKIS  
12,000 SERIES**

The modular 12,000-series console features a "universal bus" design that allows any type of module to be placed in any position in the mainframe. **Features:** two inputs per channel; built-in timer; extensive metering facilities; three stereo outputs (program, audition and utility); two telephone mix-minus buses; Penny and Giles faders; gold board connectors; much more. Some of the optional modules available include: machine control; source/monitor selectors; D/A.

The popular Arrakis 12K1812 is an 18-channel mainframe preconfigured with 2 mono mic modules, 10 stereo line modules, output module and monitor/talkback module. This console also has room for up to 6 additional modules so you can customize in the future.

12K86 is an 8-channel mainframe loaded with 6 channels.  
The 12K1818 is the 18-channel mainframe fully loaded with 18 channels.

\*12K1812 **12-channel modular audio console**  
Mfr. List \$7,075.00 **ONLY \$6,739.00**

\*12K86 **6-channel modular audio console**  
Mfr. List \$4,350.00 **ONLY \$4,143.00**

\*12K1818 **18-channel modular audio console**  
Mfr. List \$8,755.00 **ONLY \$8,339.00**



**ARRAKIS  
REV12C/REV18X**

Both analog and digital at the same time, the REVOLUTION is the amazing radio console at home in both analog and digital studios alike. With greater features, reliability and performance than a traditional console, the time has come for your station to go digital. The REVOLUTION's advanced, modular two-piece design is made up of a rack-mounted digital audio engine and a control console board. The digital engine can be located away from the console operator or even in a remote rack room, simplifying installation, wiring and service. The control console is also modular, making it quick and easy to replace worn faders or to expand the system. **Features:** 12 and 18 module mainframes; 3 stereo output buses and 2 telephone buses; full monitoring for control room and studio; both analog and digital operation; any PC computer can back up the console control system.

The REV12C includes a digital engine plus a 12-channel control interface.

The newer REV18X includes the digital engine plus a larger 18-channel control interface.

\*REV12C **digital engine w/ 12-channel controller**  
Mfr. List \$7,495.00 **ONLY \$7,139.00**

\*REV18X **digital engine w/ 18-channel controller**  
Mfr. List \$8,995.00 **ONLY \$8,567.00**

**Top Seller**



**Extended Warranties  
on Arrakis Consoles**

**ARRAKIS  
1200 SERIES**

The 1200 series of radio broadcast consoles was engineered and built for the challenges of the new millennium. A rugged design, the 1200 is ideal for on-air, production and news applications. High performance electronic design makes the 1200 console transparent to the best: digital source audio. Only the highest quality components are used throughout, such as P&Q faders, ITT Schadow switches and AB conductive plastic pots with stainless steel shafts.

The 1200-5 is 5-channel, 10-input, stereo output console (1 input per channel plus a 5-source multi-line selector); the 1200-10 is a 10-channel board with 20 inputs and dual stereo out; and the 1200-15 has 15 channels with 25 inputs (the 1200-10 and 1200-15 each contain two 5-line selector channels). **Features:** stereo and mono mix outs; mix-minus bus; stereo monitor outs with dim and talkback; remote channel on/off with tally, cough and talkback; 2 monitor outputs; mono cue with Autocue. Call today to order.

120055 **5-channel audio console**  
Mfr. List \$2,295.00 **ONLY \$2,186.00**

1200105 **10-channel audio console**  
Mfr. List \$3,495.00 **ONLY \$3,329.00**

1200155 **15-channel audio console**  
Mfr. List \$4,495.00 **ONLY \$4,281.00**



120055



1200105



1200155



**Digital Console  
Uses Your PC!**

**ARRAKIS  
REV12P**

This 12-channel REVOLUTION digital console from Arrakis is a breakthrough in features, performance and price. The system's two-piece design is made up of a rack-mounted digital engine and your own PC computer for control! **Features:** full-featured, 12-channel console with analog and digital inputs on each channel, 3 stereo output buses and full monitoring for control room and studio; two telephone buses with on/off line mixes making it an easy telephone caller system; can be controlled from two studios at the same time; includes CoolMix software for easy operation; just add your own computer and touchscreen monitor. Call today to talk with our knowledgeable sales staff about going completely digital - affordably.

\*REV12P **12-channel digital engine, PC control software**  
Mfr. List \$3,995.00 **ONLY \$3,805.00**

\* Non-inventory item subject to return restrictions.

**On-Air Consoles**



**AUDIOARTS  
R17-10/R17-6**

The R-17 offers high-quality mixing with all the necessary features of a full-sized on-air board in a compact package. Standard configurations come with 2 mic input modules and either 4 or 8 stereo line input modules, master output and control room modules as well as a blank slot that can be loaded with an optional tape remote module. Features: modular construction; program, audition and cue buses; illuminated machine start/stop switches; built-in cue speaker; studio talkback; gold audio switches; gold edgcard connectors; conductive plastic faders and monitor pots; external rack mount power supply; top-rate documentation. Options: LS-17 stereo line selector; FF-1 full-function tape remote; SS-3 Start/Stop tape remote; custom engraved OFF buttons; color faders. Dimensions: 21"W x 17"D x 6.8"H.

R17-10	10-channel audio console
Mfr. List \$4,355.00	<b>ONLY \$3,843.00</b>
R17-6	6-channel audio console
Mfr. List \$3,044.00	<b>ONLY \$2,686.00</b>



**AUDIOARTS  
R-5**

The R-5 is a quality Audioarts console in a cost-effective, fixed-position configuration. Features: 13 channels (2 mic, 10 stereo line, 1 telephone); 4 high-quality mic preamps; 2 inputs per channel; illuminated switches throughout; Simple Phone® telephone channel and mix-minus out; Sifam stereo VU meters for Program and Audition; channel on/off switches with full machine control logic and programmable monitor muting; remote control of channel on/off; six-source stereo line selector; studio control with talkback; 5-source control room monitor selector (PGM, AUD, TEL, EXT1, EXT2); built-in digital timer with start/stop, reset and hold controls; tape machine remote control section; built-in cue speaker and amp; slim profile surface mount chassis. Dimensions: 31.4"W x 21.5"D x 8"H.

R-5	12-channel audio console
Mfr. List \$4,995.00	<b>ONLY \$4,496.00</b>



**AUDIOARTS  
D7012/D7020**

The digital Audioarts D-70 simply offers greater performance for less. All input modules on the D-70 feature A/B switching and all digital inputs have standard sample rate conversion. When you order, choose from any combination of microphone, analog stereo and digital stereo inputs. 4 stereo busses give you plenty of flexibility (each has both digital and analog outputs). There are control room and studio monitor modules with separate source-select and studio talkback. A dual-caller phone section has a DSP-generated mix-minus and separate record outputs. The console also features a digital timer, console clock with ESE timecode input, full-scale direct digital peak metering (with simultaneous dual-ballistic VU display); 4 blank slots for future expansion and opto-isolated logic ports for all input module positions. Call BSW today to order.

D7012	12-channel digital audio console
Mfr. List \$9,624.00	<b>ONLY \$8,953.00</b>
D7020	20-channel digital audio console
Mfr. List \$12,039.00	<b>ONLY \$11,199.00</b>



**AUDIOARTS  
R60 SERIES**

If you're considering upgrading your station's console, look no further than the R-60. Available in 12- and 18-channel mainframes, these Audioarts consoles offer totally modular design with features and durability suitable for on-air use. Reliable illuminated switches, smooth glide faders and a powerful monitor section make them enjoyable to operate. And the totally modular design (no motherboard mounted components) makes it easy to customize. Features: two inputs per channel; any combination of mic or line inputs; Program, Audition and Mono buses; studio control with TalkBack; remote module control of On/Off, Cough and TalkBack; On/Off machine control on each channel; illuminated switches throughout; automatic control room and studio monitoring; event timer; built-in headphone amp, cue amp and speaker; LS-60 six-source line selector module. Options include: telephone module; full function machine control module; triple Start/Stop machine control module.

There are four models to choose from. The R6012 is a 12-channel mainframe loaded with 12 channels. The R60128 is a 12-channel mainframe loaded with 8 channels. R6018 is an 18-channel mainframe loaded with 18 channels. The R601812 is an 18-channel mainframe loaded with 12 channels.

R6012	12-channel modular audio console	Mfr. List \$7,850.00	<b>ONLY \$6,928.00</b>
R60128	8-channel modular audio console	Mfr. List \$5,535.00	<b>ONLY \$4,884.00</b>
R6018	18-channel input audio console	Mfr. List \$10,743.00	<b>ONLY \$9,480.00</b>
R601812	12-channel modular audio console	Mfr. List \$7,966.00	<b>ONLY \$7,149.00</b>
SP60	Simple Phone input module	Mfr. List \$690.00	<b>ONLY \$610.00</b>
IN60	Input module	Mfr. List \$585.00	<b>ONLY \$517.00</b>



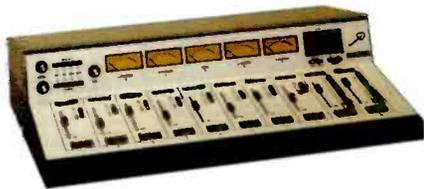
**AUDIOARTS  
RD2020**

Make a smooth transition into the digital realm with the Audioarts RD20 console. With the power of 32-bit floating point digital signal processing, this console is the flexible control center for today's digital and analog studios. It accepts both analog and digital input signals, processes them entirely in the digital domain and then provides output signals in both digital and analog formats! With the RD20, your present analog equipment isn't made obsolete, and the console can easily accommodate future digital equipment so your transition to digital can be orderly. Call for more information today.

RD2020	20-channel digital audio console
Mfr. List \$18,380.00	<b>ONLY \$17,098.00</b>
RD2016	16-channel digital audio console
Mfr. List \$16,200.00	<b>ONLY \$15,070.00</b>

\* Non-inventory item subject to return restrictions.

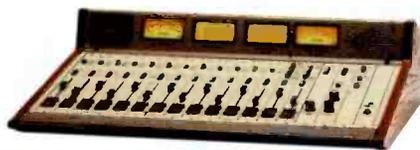
**On-Air Consoles**



**AUTOGRAM  
PACEMAKER SERIES**

Pacemaker consoles are affordable and versatile consoles for radio. The Pacemaker 648 features 8 inputs per channel (48 inputs total). On the 618, channels 1-5 have dual inputs; channel 6 has 8 inputs. The 828 has 28 stereo inputs; the 1032 has 32 stereo inputs (both the 828 and 1032 have 2 inputs per channel and 2 banks of remote selectors). **Features:** VCA level controls; no audio transformers; Schadow selector switches; electronic switching; mix-minus bus; engraved front panel; Penny and Giles faders; pluggable miniature terminal strips.

- \*618 **6-channel, 18-input audio console**  
Mfr. List \$5,221.00 **ONLY \$4,786.00**
- \*648 **6-channel, 48-input audio console**  
Mfr. List \$6,790.00 **ONLY \$6,225.00**
- \*828 **8-channel, 28-input audio console**  
Mfr. List \$6,515.00 **ONLY \$5,973.00**
- \*1032 **10-channel, 32-input audio console**  
Mfr. List \$7,727.00 **ONLY \$7,084.00**



**AUTOGRAM  
PACEMAKER II SERIES**

The Autogram PaceMaker II series consoles offer an incredible amount of flexibility without an enormous price tag. Choose from either the 18-channel or 28-channel mainframe with your choice of the number of dual input modules and up to two 8-line selector modules. The 18-channel mainframe features four VU meters but two are switchable; the 28-channel mainframe has six. Standard items for both include: autoclock; 4 mic preamps; two audio output boards; monitor output board; VCA level controls; mix-minus bus; Penny and Giles faders; pluggable miniature terminal strips (RCA and XLR panels optional).

- \*PM218-12 **12-channel audio console**  
Mfr. List \$8,252.00 **ONLY \$7,565.00**
- \*PM228-22 **22-channel audio console**  
Mfr. List \$11,913.00 **ONLY \$10,921.00**



**AUTOGRAM  
MINIMIX12A/MINIMIX8A**

**Mini-Mix 12A Features:** flexible input configuration to interface any piece of pro or consumer audio equipment; 12 slide pots host a total of 25 stereo inputs (15 balanced pro level, 10 unbalanced consumer level); first 2 channels are dedicated mic level. Dimensions: 27.25"W x 15.5"D x 4.7"H.

**Mini-Mix 8A Features:** 8 slide pots for 12 inputs (6 balanced, 6 unbalanced). Dimensions: 19.4" x 15.5"D x 4.75"H.

- \*MINIMIX12A **12-channel audio console**  
Mfr. List \$3,499.00 **ONLY \$3,208.00**
- \*MINIMIX8A **8-channel audio console**  
Mfr. List \$2,499.00 **ONLY \$2,291.00**

**Newsroom  
Mixer**



**DIXON  
NM250**

The Dixon Systems NM-250 mixer is designed for busy newsroom work stations and contains almost all the features of a full broadcast console in a two-rack-space unit. To achieve the best performance possible, low noise 1% metal-film resistors are used throughout the audio path. **Features:** 2 mic inputs with on/off switch and 48-volt phantom power; monitor output mutes when mic is on; mono line input for telephone hybrid; input for computer sound card; front panel input for DAT/cassette recorders; 2 balanced +4 line inputs; built-in mix-minus bus for telephone hybrid; built-in talkback system with 2 sends and receives; relay closures for computer channel on, telephone channel on and mic on; LED VU meter display; built-in headphone amp lets you select Mixer (program), Cue or Off-Air; balanced +4 XLR line, mic and phone inputs; unbalanced -10 RCA I/Os for computer workstation/soundcard interface; all outputs except computer I/O are via pluggable terminal connectors and are balanced +4.

- \*NM250 **newsroom audio console**  
Mfr. List \$1,195.00 **ONLY \$998.00**

**FIDELIPAC/DYNAMAX  
Consoles Now  
Available from LPB**



**LPB/DYNAMAX  
MX/D SERIES**

The MX/D lets you experience the benefits of a completely digital signal path without losing the familiarity of operating an analog on-air console. **Features:** 8 mixer channels controlling 16 inputs; choose any combination of analog or digital input modules; analog modules provide 18-bit A/D conversion from XLR connectors; mic preamp standard with all analog input modules; digital input modules have AES/EBU connectors (accepts S/PDIF format) and provide sample rate conversion; A/B input select with LED indicator; 3 digital plus 3 analog outputs; 48 kHz digital out standard (optional 44.1 kHz or 32 kHz); LED lighted bus assignment switches for Program, Audition, Mono and Cue; Cue activated via fader detent and momentary cue switch; LED metering for PGM, AUD and mono buses; count-up event timer; built-in cue amp and speaker; independent A/B remote start and stop; excellent RF immunity; remote channel on/off; Lexan overlay on all control surfaces. Dimensions: 25.75"W x 23"D x 9.25"H.

- \*MXDF **8-channel audio console mainframe** Mfr. List \$6,500.00 **ONLY \$5,796.00**
- \*IM-A **analog input module** Mfr. List \$300.00 **ONLY \$268.00**
- \*IM-D **digital input module** Mfr. List \$275.00 **ONLY \$245.00**

**LPB/DYNAMAX  
MX SERIES**

True modularity, superior flexibility and low cost give Fidelipac's MX series consoles real value for the dollar. MXA models are compact and perfect where space is limited. MXL consoles have linear faders mounted three inches apart. MXE consoles have linear faders mounted two inches apart. **Features:** true modular design; ultra-reliable motherboard construction; two inputs per module, mic/line or line/line (line inputs may be mono or stereo, consumer or professional format); full monitoring/cueing facilities with VCA mixer and monitor control; four assignable outputs – two stereo plus two mono; remote start logic; built-in cue amp/speaker and headphone amp; steel construction; excellent RF immunity; virtually indestructible control surfaces.

- \*MX10L **10 channels** Mfr. List \$5,195.00 **ONLY \$4,688.00**
- \*MX12E **12 channels** Mfr. List \$5,495.00 **ONLY \$4,959.00**
- \*MX14E **14 channels** Mfr. List \$6,595.00 **ONLY \$5,880.00**
- \*MX16E **16 channels** Mfr. List \$6,995.00 **ONLY \$6,313.00**
- \*MX18E **18 channels** Mfr. List \$7,395.00 **ONLY \$6,674.00**
- \*MX4A **4 channels** Mfr. List \$2,395.00 **ONLY \$2,135.00**
- \*MX5A **5 channels** Mfr. List \$2,595.00 **ONLY \$2,314.00**
- \*MX6A **6 channels** Mfr. List \$2,795.00 **ONLY \$2,492.00**
- \*MX8L **8 channels** Mfr. List \$4,295.00 **ONLY \$3,829.00**

\* Non-inventory item subject to return restrictions.

## On-Air Consoles

# Digital Audio Routing and Mixing Made Simple



Logitek takes the guesswork out of going digital. We start with the Logitek Digital Audio Engine, a centralized point for all audio inputs and outputs at your facility (analog and digital). The Audio Engine performs routing, mixing and equipment control functions. Multiple engines may be networked for maximum flexibility.

Next, you have your choice of several versatile console control surfaces. The ROC-10 (shown here) gives you ten fully assignable faders. Other choices include the modular Numix, with a range of 6 to 24 faders, the compact ROC-5 or our Vmix "virtual" PC-based control surface. Up to three control surfaces can be run from one Audio Engine.

Whether you have a single station or a huge networked operation, Logitek Digital Consoles can provide the flexibility and functionality you need. Call BSW today for more information. Logitek... Digital With A Better Difference!



# Logitek



Great for Remote  
or Internet Broadcasts

## LPB BLUE5C

Finally, a small compact console with the functionality of an on-air console that's perfect for remotes. The BLUE 5C is an easy-to-use stereo console offering all the traditional studio features such as full muting and remote start in a lightweight 5-channel console configuration. It's also an excellent choice for news and weather studios or webcasters with less demanding console needs. Features: 5 stereo channels; two inputs per channel; stereo cue buss; RJ-45 ethernet CAT-5 connectivity\*; two independent headphone amps; mono telephone buss; Input Follow Muting; stereo program buss; Input Follow Remote starts; heavy-duty switches transformer balancing for RF immunity; 13X16" footprint fits any application.

\*Optional standard audio connector adaptors available.

\*BLUE5C 5-channel audio console  
Mfr. List \$1,295.00 **ONLY \$1,171.00**



## LOGITEK ROC SERIES

The Logitek ROC Series digital consoles are comprised of the AE32 Audio Engine, which includes all of the audio and I/O, and either 10-fader or 5-fader control surfaces. Up to two control surfaces can be used with each Audio Engine. These control surfaces are ergonomically designed with fully assignable faders, giving you easy access to any of the inputs and outputs housed in the Audio Engine and eliminating the need for a separate audio switcher. LCD displays above each fader show audio sources and their destinations to quickly identify routing paths. The 10-fader version (ROC10) has four VU and Peak LED meters; the 5-fader version (ROC5) has two meters. Combinations of Logitek's two basic I/O cards determine how many channels your console will have. The Digital I/O card (IO8D) has 8 stereo/16 mono AES or S/PDIF inputs and outputs using DB25 connectors. The Analog card (IO24A) has 6 stereo/12 mono inputs using DB25 connectors. The Audio Engine can accommodate up to 8 cards in any mix of analog and digital.

BSW's packages below consist of 1 control surface, 1 AE32 Audio Engine, 1 Lone SHARC DSP, power supply, and the specified number of audio cards in any mix of digital & analog.

*ROC1016	10-fader console with 2 audio cards (up to 16 I/O)	Mfr. List \$11,977.00	<b>CALL FOR PRICE</b>
*ROC1024	10-fader console with 3 audio cards (up to 24 I/O)	Mfr. List \$13,476.00	<b>CALL FOR PRICE</b>
*ROC1032	10-fader console with 4 audio cards (up to 32 I/O)	Mfr. List \$14,975.00	<b>CALL FOR PRICE</b>
*ROC516	5-fader console with 4 audio cards (up to 16 I/O)	Mfr. List \$9,977.00	<b>CALL FOR PRICE</b>
*ROC524	5-fader console with 4 audio cards (up to 24 I/O)	Mfr. List \$11,476.00	<b>CALL FOR PRICE</b>
*ROC532	5-fader console with 4 audio cards (up to 32 I/O)	Mfr. List \$12,975.00	<b>CALL FOR PRICE</b>

\* Non-inventory item subject to return restrictions.

**On-Air Consoles**

**On-Air Processors**



**LOGITEK  
NUMIX PACKAGE**

Logitek's Numix digital console is a modular system made up of the AE32 Audio Engine and unique control surface wedges. It's ergonomic shape gives your studio a modern, open, low-profile look. The control surface consists of a selector wedge and one or more fader wedges as needed. Since the control surface is programmable, faders can access any and every input or output on the Audio Engine. Stored setups can be created which will allow each operator or day part to have a different configuration. You can even have multiple control surfaces connected to one Audio Engine. These surfaces can run independent studios or act as one large split console for talent and producer-type shows. The Numix connects to the Audio Engine with a single cable which makes installation a snap. Combinations of Logitek's two basic I/O cards determine how many channels your console will have. The Digital I/O card (IO8D) has 8 stereo/16 mono AES or S/PDIF inputs and outputs using DB25 connectors. The Analog card (IO24A) has 6 stereo/12 mono inputs using DB25 connectors. The Audio Engine can accommodate up to 8 cards in any mix of analog and digital.

BSW's packages below consist of 1 Audio Engine, 1 Lone SHARC DSP, power supply, 2 fader wedges (12 faders) with 3 or 4 audio cards (up to 24 or 32 I/O); or 3 fader wedges (18 faders) with 6 audio cards (up to 48 I/O) in any mix of digital and analog.

- \*NUMIX1224 digital console with 3 audio cards (up to 24 I/O)  
Mfr. List \$19,257.00 **CALL FOR PRICE**
- \*NUMIX1232 digital console with 4 audio cards (up to 32 I/O)  
Mfr. List \$20,756.00 **CALL FOR PRICE**
- \*NUMIX1248 digital console with 6 audio cards (up to 48 I/O)  
Mfr. List \$26,904.00 **CALL FOR PRICE**



**STUDIOHUB  
HUBHARNESS SERIES**

Add a prewired console harness to your console. StudioHub reduces on-site wiring with easy-to-use console harnesses consisting of connector hubs and pre-wired cables. Please specify console when ordering.

- The 1HUBHARNESS is designed for a 6-channel console and includes cables for 12 inputs, 2 outputs and 4 monitors.
- 2HUBHARNESS is designed for an 8-12-channel console and includes cables for 24 inputs, 4 outputs and 8 monitors.
- 3HUBHARNESS is designed for an 18-channel console and includes cables for 36 inputs, 6 outputs and 12 monitors.
- 4HUBHARNESS is designed for a 20-24-channel console and includes cables for 48 inputs, 8 outputs and 16 monitors.

- \*1HUBHARNESS 12-in, 2-out, 4-monitor harness Mfr. List \$665.00 **ONLY \$624.00**
- \*2HUBHARNESS 24-in, 4-out, 8-monitor, harness Mfr. List \$1,295.00 **ONLY \$1,215.00**
- \*3HUBHARNESS 36-in, 6-out, 12-monitor harness Mfr. List \$1,920.00 **ONLY \$1,801.00**
- \*4HUBHARNESS 48-in, 8-out, 16-monitor harness Mfr. List \$2,550.00 **ONLY \$2,391.00**

\* Non-inventory item subject to return restrictions.



**APHEX  
2020 SERIES**



The 2020 FM Pro is ApheX' world-class digitally controlled FM processor with the full detail and clarity of precision analog audio. FM Pro was designed to offer maximum processing flexibility to help you create a truly unique and competitive sound, from detailed and neutral to heavy and loud. **Features:** 8 read-only factory presets; 16 user programmable read-write presets; Frequency Discriminate Leveler with selectable silence gate and AGC upper and lower control limits; 4-band compressor with adjustable crossover frequencies, adjustable compression drive, Easyrider compression and Peak Accelerated Compression algorithm; bass processor with bass clipper, warm bass EQ, sub bass EQ and total bass mix control; peak limiter; remote control interface with Windows-compatible software for PC control locally or remotely via modem; supervised password security; large LCD graphics panel display; rotary encoder knob; extensive real-time LED metering; balanced XLR analog I/O. Options: 2020-1 AES/EBU I/O; 2020-2 pre-emphasis limiter with special 50 or 75 microsecond pre-emphasis filtering and non-overshoot low-pass filters; 2020-3 combination Digidcoder type PPDM stereo generator with pre-emphasis limiter; 2020WITH03 combines 2020 processor with 2020-3 generator/pre-emphasis limiter.

2020	<b>FM audio processor</b>	Mfr. List \$4,995.00	<b>ONLY \$4,758.00</b>
2020-1	<b>AES/EBU digital I/O</b>	Mfr. List \$500.00	<b>ONLY \$477.00</b>
2020-2	<b>pre-emphasis limiter</b>	Mfr. List \$500.00	<b>ONLY \$477.00</b>
2020-3	<b>stereo generator and pre-emphasis limiter</b>	Mfr. List \$2,000.00	<b>ONLY \$1,905.00</b>
2020WITH03	<b>processor w/ stereo generator/pre-emphasis limiter</b>	Mfr. List \$6,995.00	<b>ONLY \$6,662.00</b>



**CRL  
MILLENNIUM**

The Millennium digital audio processor from Circuit Research Labs marks the beginning of a whole new generation of audio processing technology. The sound is clear and real loud. The Millennium is based on a 32-bit floating point DSP processor. It has a straightforward touch screen and graphical user interface that allows you to create your own unique sound identity - setting your station apart from the crowd. There's also a legion of factory presets from which to choose. **Features:** the Millennium includes a true digital stereo multiplex generator, AGC, five-band compressor and a multi-band limiter; remote control software that makes adjustments fast and easy; 100% floating point digital signal processing; 256 kHz final limiter sample rate; it accepts analog and AES/EBU digital signals (wired or optical). It can even accept both at the same time and mix them in the digital domain. Hardware and software upgrades are included for the first year at no charge. The AES/EBU rate adaptive digital interface (32 kHz/44.1 kHz/48 kHz) is included at no additional cost. 3-year warranty. The unit is available in an array of loud colors as well as black.

- \*MILLENNIUM digital audio processor Mfr. List \$7,350.00 **ONLY \$6,918.00**



**CRL  
TVS3003**

The TVS-3003 combines advanced audio AGC and limiting with a state-of-the-art digitally synthesized MTS generator. It provides a single package stand-alone stereo television audio system. Through the use of time-tested circuit technology and innovative packaging, the TVS-3003 lets you convert to stereo quickly and easily. In addition, it includes a long list of "must have" features that will make your station's audio quality stand out. Talk to our sales professionals today.

- \*TVS3003 MTS stereo generator/AGC limiter Mfr. List \$8,795.00 **ONLY \$8,278.00**

On-Air Processors

**CRL AMIGO SERIES**

The Amigo FM is a complete stereo audio processing system – both flexible and powerful. Yet, the Amigo is designed for quick and easy set up. Simply set your input level, then your modulation level and you're on the air. Plus, the Amigo has easy to understand processing controls to customize your station's sound. A wide range dual band AGC ensure consistent station loudness, by automatically monitoring and adjusting your audio levels. Powerful multi-band limiting system gives your station a natural sound with superior loudness while maintaining outstanding quality. The Amigo's digitally synthesized multiplex generator provides a flawless, maintenance free stereo signal.

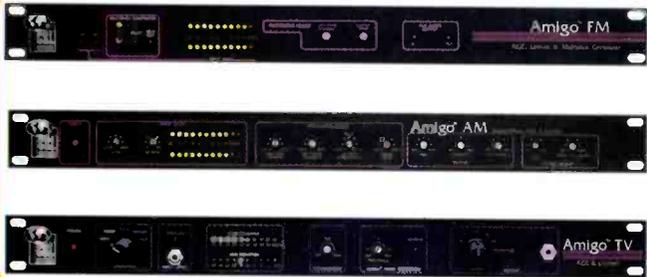
CRL's exclusive stereo sound enhancement provides additional stereo separation to make your station stand out from the competition.

The Amigo AM is a complete audio processing system for C-QUAM AM stereo. CRL has taken all its best technology and combined it into one high performance unit. A wide range dual band AGC ensures consistent station loudness, by automatically monitoring and adjusting your audio levels. Three band matrix limiter maximizes your station's coverage area and loudness, for both your stereo and mono listeners. Exclusive stereo sound enhancement provides additional stereo separation to make your station stand out from the competition. The Amigo AM also includes an extra mono output for your standby transmitter. Full NRSC-1 compliance.

The Amigo TV is an advanced dual-band audio AGC and limiter. It automatically monitors and adjusts audio levels, ensuring consistent loudness across all programs as well as a clear, natural sound. Call for more information today.

AMIGOFM	FM stereo processor	Mfr. List \$2,495.00	<b>ONLY \$2,306.00</b>
AMIGOAM	AM stereo processor	Mfr. List \$2,495.00	<b>ONLY \$2,306.00</b>
AMIGOTV	TV audio processor	Mfr. List \$2,495.00	<b>ONLY \$2,306.00</b>

CRL Amigo Series



**INOVONICS**

**235**

The Inovonics 235 triband AM broadcast audio processor is available in various versions with different audio bandwidths. **Features:** fully NRSC-compliant and AMAX-certified; slow gain-rating, gated-AGC erases long-term input level variations; 3-band compressor/equalizer optimizes program spectral density; peak controller has adjustable clipping depth to maximize carrier modulation; RS-232 allows full remote control.

235-00	AM audio processor	Mfr. List \$1,800.00	<b>ONLY \$1,611.00</b>
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**INOVONICS**

**222**

Designed for AM broadcasting, the 222 can act as a stand-alone processor, or interface with existing processing to provide an NRSC-compliant signal. **Features:** adaptive pre-emphasis to enhance signal intelligibility and presence; a sharp cut-off to eliminate adjacent channel interference; built-in peak limiter; feed-forward pulse width modulation (PWM) control.

22200	NRSC update box	Mfr. List \$720.00	<b>ONLY \$645.00</b>
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**INOVONICS**

**DAVID II**

The DAVID II integrates FM audio processing and stereo generation into a single, easy-to-use affordable package. It lets you achieve an aggressive sound that is fully protected from overmodulation without sacrificing ease of setup. **Features:** digital synthesis of the composite multiplex signal; feed-forward pulse width modulation (PWM); built-in composite processor to maximize modulation density; unique bass-enhanced feature (suppresses subaudible program components while augmenting legitimate bottom-end); internal combining for SCA and RDS subcarriers.

71600	FM audio processor/stereo generator	Mfr. List \$2,000.00	<b>ONLY \$1,790.00</b>
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**INOVONICS**

**708**

The 708-00 provides cost-effective stereo generation for audio processors that don't have a stereo generator built in. **Features:** digital synthesis of the stereo pilot and MPX signals; front-panel metering; patented overshoot compensation with an adjustable pre-pilot composite clipper; adjustable composite equalization; internal combining for SCA and RDS subcarriers.

*708-00	FM stereo generator	Mfr. List \$1,530.00	<b>ONLY \$1,369.00</b>
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**MODULATION SCIENCES**

**CP803**

Keep your FM station loud, clean and legal by adding the CP803 to your compressor/limiter/stereo generator to enhance the stereo composite signal. Increase your signal by 6 dB with greater dynamic range without the breathing, pumping or swishing associated with conventional processing. The composite processor also eliminates peaks of overmodulation and limits composite signal without affecting stereo pilot. BNC composite I/O.

CP803	FM composite processor	Mfr. List \$1,495.00	<b>ONLY \$1,351.00</b>
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**MODULATION SCIENCES**

**SCA186 SIDEKICK**

All you need for SCA in a single chassis, the SCA186 contains subcarrier generator, audio processing, peak holding deviation meter, noise generator and incidental AM noise meter to optimize transmitter tuning for minimum cross talk. Specify 67 kHz or 92 kHz subcarrier when ordering. Inputs/Outputs: balanced screw barrier inputs; BNC composite input; BNC telemetry input; BNC RF input; BNC composite output; BNC SCA output.

*SCA186	SCA generator	Mfr. List \$3,835.00	<b>ONLY \$3,466.00</b>
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\* Non-inventory item subject to return restrictions.

# We're Easy

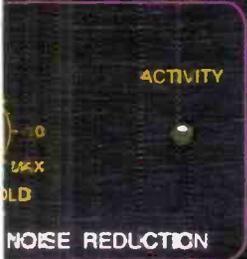


## Amigo™ FM

AGC, Limiter & Multiplex Generator

## Amigo™ AM

Stereo/Mono AGC & Limiter



## Amigo™ TV

ACC & Limiter

**Easy to own,** CRL's Amigo Series Audio Processors give you high-quality audio at very affordable prices.  
**Easy to use,** "set and forget" Amigo processors give your listeners the loud, clear, consistent sound that will keep them tuned to your audio.



For all the technical specs and details, check out our website at  
[www.crlsystems.com](http://www.crlsystems.com)

Circuit Research Labs, Inc.  
2522 West Geneva Drive  
Tempe, AZ 85282-3192 USA

On-Air Processors

**CLEARLY NOT FOR EVERYONE**

Your Grandmother is certainly a very nice lady, but a Porsche is probably not her ride

It's the same with processing. Some people should stick with the conservative stuff. Give them something too fast and they just won't know what to do with it. Frankly, the new Omnia-6 is probably not for them. It's just too potent, too flexible



On the other hand, maybe you are the sort who can run a fast machine. Who loves the thrill of smooth power. Who revels in the admiration of others.

Omnia-6 - if you can handle it.



Omnia is used in 4 of 5 leading stations in New York, 2 of the 3 top stations in Los Angeles and 3 of 6 of the most listened to stations in the US. It's on the leading stations in Paris, all of the BBC & IAI stations in the UK, and the number one stations in Canada, Ireland, Germany, Finland, Australia, India, China, Denmark, and Sweden.

All Omnia Products  
Priced Below Manufacturer's  
Minimum Advertised Price  
Call BSW Today!

**OMNIA  
OMNIA**



Omnia.fm is a complete digital 4-band FM processor with digital stereo encoder. It utilizes an advanced design philosophy to provide extraordinary sonic performance with maximum control flexibility. From the user-adjustable wideband AGC to the ThunderBoost EQ and non-aliasing final limiter, Omnia will not compromise your sound. What does all this technology add up to? Crystal clear power. Features: software configured processing on a plug-in PC card with user adjustable wideband AGC; Thunder Boost EQ for cleaner, more powerful low end; four-band AGC; four-band dynamic peak limiter; non-aliasing final limiter that exceeds the smoothness of a well designed analog limiter; selectable composite clipper; factory presets for various formats, plus user presets; daypart automation; front panel headphone jack; external control via local serial RS-232 or modem; balanced XLR analog I/O; AES/EBU digital I/O; SCA/RDS subcarrier input; two independent composite outputs. Options: new Omnia plug-in PC Card modules provide algorithms to further tailor the power of the Omnia platform; for crank-it-up-to-eleven loudness, choose the Hot model; for stations with more traditional formats like classical or jazz, choose the clean sound of the Veris. The new Space-EFX algorithms improve the stereo soundfield without creating unnatural imaging or increasing multipath.



**OMNIA  
OMNIA3**



Omnia 3 is the all-digital audio processor that offers the clarity, punch and power of the original Omnia, at an amazingly affordable price. There's one to suit every need (FM, AM or the Internet) and each Omnia 3 includes standard features not found elsewhere - like 48 kHz sampling, multi-band processing, digital audio I/Os, integrated composite clipper and a removable PC card for software changes.

OMNIA3.AM offers unrivaled levels of positive modulation with a smooth, FM-like quality plus adjustable filtering for NRSC and narrow band broadcast requirements throughout the world. Stereo or mono processing.

Omnia.net optimizes audio processing for a wide range of bit rates and audio bandwidths; it also conditions audio processing for multimedia listening environments.

OMNIA3	FM audio processor	Mfr. List \$3,880.00	CALL FOR PRICE
OMNIA3AM	AM audio processor	Mfr. List \$3,880.00	CALL FOR PRICE
*OMNIA3NET	web audio processor	Mfr. List \$3,880.00	CALL FOR PRICE



**OMNIA  
OMNIA-6FM**



Omnia-6fm is simply the most powerful digital audio processor available. Features: 96-kHz sampling and 24-bit resolution; five bands of AGC and six bands of limiting; a fully adjustable crossover network; remote control via modem, RS-232 or TCP/IP; a "Split Channel" processing mode that lets left and right channels operate as independent processors; built-in Omnia SPACE-EFX stereo enhancement; virtually unlimited preset storage using standard PCMCIA cards (up to 30 presets per card); plus lots more.

OMNIA6	FM audio processor	Mfr. List \$10,900.00	CALL FOR PRICE
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OMNIA	FM audio processor	Mfr. List \$9,860.00	CALL FOR PRICE
*OMNIAFMHOT	FM loudness audio processor	Mfr. List \$12,760.00	CALL FOR PRICE
*OMNIAFMVERIS	FM purity audio processor	Mfr. List \$11,560.00	CALL FOR PRICE
*OMNIAFMSPACE	FM stereo soundfield processor	Mfr. List \$11,560.00	CALL FOR PRICE
*OMNIAFMHOTSPEACE	FM loudness/stereo soundfield processor	Mfr. List \$13,760.00	CALL FOR PRICE

\* Non-inventory Item subject to return restrictions.

On-Air Processors



**ORBAN  
OPTIMOD 8400**

Loaded with Motorola's latest DSP chips, the Optmod 8400 comes equipped with more than five times the raw processing power of its predecessor. This vastly augmented digital horsepower enabled Orban engineers to implement sophisticated new processing algorithms (seven years in the making) that extend virtually all performance parameters. The 8400 retains many proven OPTIMOD-FM 8200 features, such as the five-band and two-band processing structures, but with its supercharged processing power, there is a clearly audible improvement, namely a noticeably louder and brighter signal, with the smoothness and pristine clarity needed to hold listeners for extended periods.

8400 FM audio processor Mfr. List \$10,700.00 **CALL FOR PRICE**



**ORBAN  
OPTIMOD 8200ST/U**

The 8200ST/U is the perfect companion for the OPTIMOD 8200, used on the studio end of an STL system. It provides average or peak level control by combining stereo AGC compressor/limiter, HF limiter and peak controller. Balanced XLR I/O.

8200ST studio chassis for Orban 8200U35  
Mfr. List \$1,400.00 **ONLY \$1,245.00**



**ORBAN  
OPTIMOD 8218**

The 8218 is an all-digital stand-alone FM stereo encoder/generator with input flexibility, superb performance specifications and a patented limiter that eliminates overshoots. Processing/encoding is performed in the digital domain, assuring extremely clean, stable output. The 8218 accepts left/right analog or AES/EBU digital inputs, either flat, pre-emphasized or NICAM J.17.

\*8218U FM stereo encoder/generator  
Mfr. List \$1,975.00 **ONLY \$1,756.00**

**ORBAN  
OPTIMOD 8200**



The 8200 is a complete digital audio processing system for FM broadcast, fulfilling all of your station's processing needs: automatic gain control, compression, peak modulation control and stereo generation. Features: flexible software-based processing; select from several factory presets or adjust and store your own custom presets (up to 32) for instant recall; 5-band processing for comprehensive modulation control; fully software upgradable; automatic program switching for format changes throughout the day or night; 8200PC Software (included with purchase of 8200) provides full control of your station's processing from any location. It displays all of the 8200's meters and processing controls on a computer screen via modem communications or direct connection. Balanced XLR I/O and BNC composite outputs.

The 8200D/32 digital interface card allows 32 kHz AES/EBU inputs and outputs.

The 8200D/SRC digital interface card can accept inputs of 32, 44.1 or 48 kHz AES/EBU and convert for output of 32, 44.1 or 48 kHz AES/EBU.

8200U35	FM digital audio processor	Mfr. List \$6,250.00	<b>ONLY \$5,600.00</b>
8200D/32	digital I/O card for Orban 8200U35	Mfr. List \$300.00	<b>ONLY \$267.00</b>
8200D/SRC	digital I/O card w/sample rate conversion	Mfr. List \$700.00	<b>ONLY \$623.00</b>



**ORBAN  
OPTIMOD 9100B2**

The industry standard 9100B2 AM audio processor contains a wide band AGC, 6-band limiter, safety clipper, and all appropriate filtering for complete processing control. The result is very high average modulation (loudness), exceptional fidelity, natural sound and freedom from processing artifacts, yielding an FM-like sound on all types of receivers.

9100B2/U10 AM stereo audio processor  
Mfr. List \$6,650.00 **ONLY \$5,912.00**

**ORBAN  
OPTIMOD-FM 2200**



If your station doesn't think it can afford to go digital, take another look. Orban and BSW have cut the cost of digital processing to the bone. You get the same loud, clear OPTIMOD sound, but in a downsized box. The OPTIMOD-FM 2200 gives you the key features you'll find in high-end processors, including all-digital processing and a digital stereo encoder/generator in a single-rack-space package. Features: 8 factory presets and 8 user-programmable presets that can be switched from the front panel or via remote control; 2-band processing structure with HF enhancement to protect against peak overmodulation; non-volatile memory; built-in tone generator; input/output and gain reduction LED meters; balanced analog XLR I/O and two BNC composite outputs. Options: 2200D processor with digital AES/EBU I/O.

2200 FM audio processor  
Mfr. List \$3,950.00 **ONLY \$3,500.00**

2200D FM audio processor with digital I/O  
Mfr. List \$4,250.00 **ONLY \$3,800.00**



**ORBAN  
OPTIMOD DAB 6200**

OPTIMOD DAB 6200 is designed for digital audio broadcasting. A transparent limiter provides control of peaks for protection against digital clipping, while OPTIMOD processing structures ensure source-to-source consistency. Presets are provided for all radio formats and webcasting applications. It's compatible with Eureka 147 and all proposed IBOC DAB and Radio Mondial systems. Features: 2-band processing for gentle control of dynamics; 5-band processing with a flexible set of equalization controls; 20 kHz bandwidth for wideband DAB; bandwidth variable to 4 kHz for narrow-band, low-sample-rate broadcasting (IBOC shortwave systems); computer control via modem.

6200 DAB processor  
Mfr. List \$5,950.00 **ONLY \$5,289.00**



**ORBAN  
OPTIMOD 9200**

This true digital AM processor includes presets for HF applications. Features: true 5-band DSP processing; factory format presets and user-programmable presets; remote switching of presets and selected functions (PC remote control software included); transmitter EQ; built-in sine and square wave test tone oscillator; dual analog output.

The 9200UD adds digital I/O.

9200U AM mono digital audio processor w/ analog I/O  
Mfr. List \$4,250.00 **ONLY \$3,778.00**

9200UD AM mono digital audio processor w/ digital I/O  
Mfr. List \$4,650.00 **ONLY \$4,134.00**

\* Non-inventory Item subject to return restrictions.

Delays



EVENTIDE

BD500-000/BD500-100

From the inventors of the digital talk show delay, comes an affordable solution for keeping profanities off the air. **Features:** Eventide's patented automatic catch-up circuitry; a user-definable function to divide the total available delay time into several discrete segments to protect against multiple obscenities that occur in succession; cough button momentarily edits audio entering the delay; exact digital read out of delay; a "quick read" bar graph to instantly confirm you have delay time left; RS-232 port and dry contacts for remote control. The BD500-000 has balanced XLR I/O.

The BD500-100 adds AES/EBU digital I/O.

\*BD500-000 broadcast delay Mfr. List \$3,395.00 **ONLY \$2,888.00**

\*BD500-100 broadcast delay w/ digital I/O Mfr. List \$4,690.00 **ONLY \$3,989.00**



SYMETRIX

610

The Symetrix 610 Broadcast Delay is a cost-effective way to deal with on-air profanities, allowing talk show hosts to dump obnoxious callers and automatically build back 7.5 seconds of delay time. **Features:** true stereo delay; selectable build-up time and a two-stage dump option let you set the catch-up time for the speed and intensity of your show; a cough button for short duration dumps; an Exit function which gradually releases memory to bring audio up to real time at the end of a show; automatic bypass mode; remote control/status connector; balanced XLR I/O.

610 broadcast audio delay Mfr. List \$1,999.00 **CALL FOR PRICE**



RANE

AVA22D

The Rane AVA 22d is a fully balanced two input, two output audio/video alignment delay providing a range of 0.0 to 9.5 NTSC or PAL/SECAM frames on each output. Each output has two non-volatile memories, A and B, for easy access to previously stored delay values. Remote recall screw terminals on the rear accept external configuration switches, permitting independent remote recall of memories. 24-bit audio converters provide excellent sound quality. The AVA 22d features XLR I/Os. It can operate as two independent channels (dual mono), or as a stereo pair. It's also a unity gain device with sensitivity controls to provide proper internal levels for the audio converters.

\*AVA22D audio/video alignment delay Mfr. List \$899.00 **ONLY \$679.00**

Voice Processors



DBX

286A

Here's an inexpensive way to get really great sounding vocals with the dbx 286A. **Features:** a single, studio quality mic preamp with phantom power; compressor circuit; de-esser; patented high-frequency and low-frequency detail controls; high-pass filter; expander/gate section; balanced mic and line level inputs; insert jack for utilizing outboard processing and effects; balanced XLR inputs; balanced 1/4" TRS outputs.

286A mic/voice processor Mfr. List \$350.00 **ONLY \$229.00**

Voice Processors

NEW



HHB

RADIUS40

HHB's Radius 40 tube processor, although designed primarily for voice processing, will also enhance the sound of any input, from instruments, keyboards, samplers or workstations, since it combines both a high quality mic pre amp and line input with a compressor, expander/gate and an equalizer. These comprehensive features make the Radius 40 ideal for use in any project or professional studio environment when recording directly to tape, as all processing takes place within the machine itself. The mic pre amp has switchable 48v phantom power and a 90 Hz high pass filter, with a 1/4" jack instrument input. A backlit VU meter, displaying either the input, output or gain reduction, is all you need for confidence in your recording levels. With clearly laid out compressor and equalization functions along with balanced and unbalanced inputs and outputs, including a sidechain insertion point for frequency controlled processing, the Radius 40 is an all-round performer. **Features:** tube voice processor with four stages - a pre amp, compressor, expander and equalizer; balanced XLR mic inputs and both XLR and unbalanced jack line outputs; input and output gain control; bypassable compressor, featuring variable threshold, ratio, gain, attack and release times; a 4-band bypassable equalizer section, each with 12dB cut/boost; EQ may be switched before or after the compressor; stereo link for connecting two Radius 40s.

RADIUS40 tube voice processor Mfr. List \$749.00 **ONLY \$711.00**



OMNIA

OMNIA TOOLVOX

ToolVox is the first mic processor specifically designed to complement broadcast on-air processing to deliver a smooth, powerful voice presence. **Features:** discrete, low noise mic preamp with phantom power and up to 70dB gain for dynamic mics; 24-bit converters; all-digital processing includes AGC, compressor/expander, noise gate, multi-level phase rotator and a sophisticated and unique frequency domain de-esser to prevent harsh sibilance splatter; three fully adjustable HP/LP/BP/peak/shelving filters; TrueVerb from Waves®; stereo analog and AES/EBU outputs; hybrid send; user interface provides for a jock-friendly front panel with access to 100 presets and full operational control via RS-232 or TCP/IP interfaces. Remote control and preset management software included.

OMNIATOOVVOX mic/voice processor Mfr. List \$1,780.00 **CALL FOR PRICE**



PRESONUS

VXP

This single-channel, multi-featured microphone processor provides a high-quality mic pre, compressor, expander, de-esser, semi-parametric EQ and peak limiter in a highly visible, user-friendly unit. **Features:** high-quality transformer with Class A discrete FET input buffers and Dual Servo Gain Staging; 16 programmed compression curves; variable control over expansion threshold and ratio; variable de-esser from 800 Hz to 8 kHz; 4-band equalizer section; high headroom (+24 dB); THD <0.005%, signal to noise ratio @ >96dB; multiple meter and function lights; balanced XLR I/O; 1/4" TRS send and return jacks. Options: 24-bit digital output card.

VXP mic/voice processor Mfr. List \$799.95 **ONLY \$599.95**

\* Non-inventory item subject to return restrictions.

**Compressors / Dynamic**



**SYMETRIX  
628**

The programmable Symetrix 628 digital voice processor offers 128 memory presets for personalized voice work in broadcast and recording. It combines a premium quality microphone preamplifier, compressor/limiter, expander/gate, de-esser, and parametric 3-band EQ in a single rack space. **Features:** high-gain direct coupled mic preamp with phantom power; precise parameter adjustment with rotary knobs; 128 processing presets including 8 factory presets; 20-bit A/D and D/A converters; mic and line level inputs; AES/EBU and S/PDIF digital output; balanced XLR and unbalanced 1/4" analog outputs; MIDI in/out.

- 628 mic/voice processor Mfr. List \$1,249.00 **ONLY \$1,061.00**
- RC1SYMETRIX remote control for Symetrix 628 Mfr. List \$199.00 **CALL FOR PRICE**



**ALESIS  
3630**

An affordable dual channel unit, the 3630 ideal is for a number of applications from vocal recording to stereo program mixdown. **Features:** switchable RMS/peak and hard knee/soft knee styles of compression; variable attack and release in peak mode allow you to customize the dynamic response to suit the job; independent built-in noise gate ensures quiet performance; sidechain inputs for de-essing or ducking functions; dual mono or stereo operation; unbalanced 1/4" I/O with -10/+4 level selection

- 3630 2-channel compressor/limiter Mfr. List \$199.00 **ONLY \$149.00**

**Top Seller**

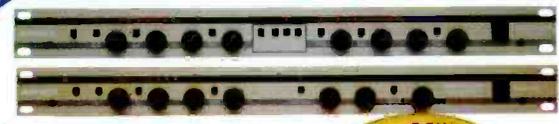


**SYMETRIX  
528E**

The Symetrix 528E is an industry standard analog voice processor with 5 main functions in a single-rack-space unit. **Features:** microphone preamp with a switchable 15 dB pad; front panel mic/line level switch; 48-volt phantom power; voice symmetry switch (phase rotator) that corrects for excessive positive or negative signal peaks; de-essing with frequency and range controls; compression/limiting with downward expansion; 3-band parametric equalization. Balanced XLR mic and line level inputs; balanced XLR and unbalanced 1/4" outputs; 1/4" in and out patchpoints on each section.

- 528E voice processor Mfr. List \$749.00 **ONLY \$519.00**

**Classic Broadcast Dynamic Tools**



**APHEX  
COMPELLOR SERIES**

The dual-channel 320A delivers intelligent compression, leveling and peak limiting simultaneously for automatic gain riding that is artifact-free. **Features:** dynamic silence gate and quick compression recovery; 3 modes of stereo/dual mono operation; comprehensive metering; balanced or unbalanced I/O via XLR connectors.

The single-channel 323A combines ComPELLOR® circuitry with Apex's popular Aural Exciter® circuitry. Balanced or unbalanced I/O via XLR connectors.

- 320A 2-channel compressor/limiter/leveler Mfr. List \$1,350.00 **ONLY \$1,072.00**
- 323A mono compressor/limiter/leveler Mfr. List \$949.00 **ONLY \$756.00**



**APHEX  
DOMINATOR II SERIES**

Dominator II 720 is a precise stereo multi-band peak limiter for applications requiring an absolute peak ceiling. **Features:** peak ceiling adjustable in .2 dB steps over a 34 dB range; switchable low to mid and mid to high crossover frequencies; remote control hardware bypass; dynamic range 104 dB and THD distortion of less than .005%; balanced XLR I/O.

The 722 adds pre-emphasis.

- 720 multiband peak limiter Mfr. List \$1,350.00 **ONLY \$1,072.00**
- 722 multiband peak limiter w/pre-emphasis Mfr. List \$1,495.00 **ONLY \$1,191.00**

**VALLEY  
401**



**Features:** low noise, high-gain mic preamp with switchable 48-volt phantom power; 3-band EQ with center frequencies and slopes specifically tailored for voice; compressor and expander/gate functions that operate interactively to provide effective dynamic control without unwanted noise artifacts; de-esser with normal or heavy settings; balanced XLR mic/line input; balanced XLR mic and 1/4" TRS line level outputs; balanced 1/4" TRS line level send and return jacks.

- 401 microphone processor Mfr. List \$680.00 **ONLY \$582.00**

**Compressors / Dynamic**



**Lowest Cost Compressor**

**ALESIS  
NANOCOMPRESSOR**

NanoCompressor™ is an incredibly affordable yet sonically powerful solution for full-featured stereo compression. Its small size and low price belie the fact that it offers pro features like complete compression controls, RMS and peak signal detection, hard and soft knee curves and a sidechain input, making it a great compression device.

- NANOCOMPRESSOR single-channel compressor Mfr. List \$119.00 **ONLY \$89.00**

\* Non-inventory item subject to return restrictions.

Compressors / Dynamic



**BEHRINGER**  
**AUTOCOM PRO MDX1400**

The affordable AUTOCOM PRO MDX1400 compressor/limiter/expander combines the advantages of hard knee and soft knee compression in a single dynamic processing function for natural, transparent results. It is designed primarily as an easy-to-use automatic compression tool, but it also offers sufficient manual controls. **Features:** interactive stereo dynamic processor with link function; high-pass filter in the side chain; separate IRC expander/gate circuits; integrated dynamic enhancer; IKA (Interactive Knee Adaptation) function; fully automatic or manually adjustable attack and release times; IRC circuitry with adjustable ratio allows expansion/gating with no side effects; selectable dual mono or stereo mode; precise 12-segment displays for input/output levels and gain reduction; selectable operating level (+4 dBu or -10 dBV); servo-balanced inputs and outputs; XLR and 1/4" TRS connectors.

MDX1400 2-channel compressor/limiter/expander  
Mfr. List \$149.00 **ONLY \$119.00**



**BEHRINGER**  
**ULTRAMIZER PRO DSP1400P**

The ULTRAMIZER PRO DSP1400P's digital multiband concept works with a selectable cutoff frequency, allowing separate low and high end processing in unparalleled quality. Extensive LED meters keep you constantly in the picture as to exactly how much punch you're delivering. **Features include:** digital multiband loudness maximizer with 24-bit high-power DSP; fully automatic compression of program material; intelligent digital limiter for total protection; integrated noise reduction system; multiband enhancer with separately adjustable "Super Bass" and exciter; integrated ULTRAMIZER function for consistently high output level; internal 24-bit processing with professional 46 kHz sampling rate; 20-bit A/D and D/A converters with 64/128 times oversampling for enormous headroom; 50 user memory locations for instant storage and selection of personal favorites; extensive MIDI implementation; servo-balanced inputs and outputs with XLR and 1/4" TRS connectors.

DSP1400P dual multiband compressor/leveler  
Mfr. List \$249.00 **ONLY \$199.00**



**DBX**  
**266XL**

The 266XL is a full-featured, high-performance dual compressor/gate that uses the dbx AutoDynamic attack and release circuitry to deliver true dbx compression for a wide range of applications, plus an advanced dbx gate circuit for smooth, natural sounding gating. **Features:** stereo or dual-mono operation, separate precision LED displays for gain reduction; simple set up and operation; sidechain insert; balanced XLR and 1/4" TRS inputs and outputs.

266XL 2-channel compressor /gate  
Mfr. List \$189.95 **ONLY \$149.00**



**DBX**  
**DDP**

The DDP stereo processor gives you the classic dbx sound with gating, compression, limiting, de-essing and sidechain EQ with the precise control of digital. **Features:** extensive metering; graphical representation of signal shows composite effects in real time; 24-bit A/D-D/A converters; 50 factory and 50 user presets; balanced XLR and TRS 1/4" I/Os. Options: digital I/Os.

\*DDP digital dynamics processor  
Mfr. List \$600.00 **ONLY \$499.00**



**DBX**  
**1066**

This flexible dynamics control device allows you to choose the level and style of compression/limiting you like. Use the Auto button to automatically achieve a classic dbx sound, or use the independent attack and release controls to tailor the 1066 to your specific needs. **Features:** PeakStopPlus circuitry offers stiff limiting without unwanted side effects; new lightpipe technology replaces standard LEDs, making the 1066 very easy to read and operate; sidechain input for ducking and frequency dependent limiting; balanced inputs and outputs with XLR and 1/4" connectors.

1066 2-channel compressor/limiter  
Mfr. List \$550.00 **ONLY \$449.00**



**DBX**  
**QUANTUM**

Quantum is dbx' first studio mastering tool that offers sampling rates up to 96 kHz, with a true 48-bit digital signal path and superior dbx dynamics processing. It also comes with the patent-pending TYPE IV conversion system on board. TYPE IV captures the character and original warmth of any analog signal to the digital domain. **Features:** 4-band stereo compressor/gate/limiter; 5-band EQ (hi and low shelves, 3-band fully parametric); outputs to 16, 20 or 24 bits; AES/EBU and S/PDIF digital I/O.

\*QUANTUM digital mastering processor  
Mfr. List \$1,995.95 **ONLY \$1,799.00**



**DBX**  
**166XL**

This two-channel, stereo linkable compressor/limiter/expander/gate offers a choice of Over-Easy® or hard-knee compression with two sets of program dependent attack and release time constants. **Features:** expander/gate with continuously variable release and a 75 dB threshold range; PeakStop® limiting; switchable low frequency shelf prevents LF programming from punching holes in your sound; balanced XLR and 1/4" inputs and outputs.

166XL dual compressor/limiter/expander/gate  
Mfr. List \$330.00 **ONLY \$279.00**



**DBX**  
**160A**

The 160A is an improved version of the famous dbx 160 single channel compressor/limiter. **Features:** Over-Easy® or hard-knee operation; wide range of compression ratios including negative compression; gain reduction and input/output level metering; balanced XLR and TRS inputs; independent balanced XLR and unbalanced 1/4" outputs.

160A single-channel compressor/limiter  
Mfr. List \$460.00 **ONLY \$389.00**



**BEHRINGER**  
**ULTRA-DYNE DSP9024**

The Behringer ULTRA-DYNE PRO DSP9024 is an extremely powerful 6-band stereo dynamic processor. With its two 24-bit signal processors and high-resolution 24-bit A/D and D/A converters, this highly developed mainframe offers unparalleled digital mastering perfection. All decisive parameters can be edited per band or globally and your favorite settings easily stored. Flexible real-time handling and "snapshot" automation make it easy. **Features:** integrated delay of up to 600 msec. permits intelligent algorithms to "look ahead"; 6-band compressor/gate with separate peak limiter section; Ultramizer function for optimal output levels and signal density; Virtuoso function for program material adapted compression; interactive, adaptive program analysis; exciter with adjustable ratio of odd to even harmonics; tube simulation with direct selection of popular tube types; servo-balanced inputs and outputs with XLR and 1/4" TRS connectors.

DSP9024 2-channel, 6-band dynamic processor  
Mfr. List \$599.00 **ONLY \$479.00**



### JOE MEEK STUDIO CHANNEL VC-1Q

It's best to think of the Studio Channel VC-1Q as six separate pieces of equipment. The 2U 19-inch rack unit includes a mono transformer design microphone preamp, compressor, an instrument preamp, enhancer, de-esser and a full channel of the Joemeek Meequalizer "EQ". In addition, the VC1Q offers a 24-bit 96 kHz digital S/PDIF output. For digital operation, all you need is the optional VC1QD card that plugs into the back of the VC-1Q.

VC1Q compressor/EQ  
Mfr. List \$799.99 **ONLY \$599.00**



### JOE MEEK VC3Q/VC6Q

Famous for capturing that "vintage" sound lacking in so many of today's processing pieces, Joe Meek mic preamps offer vast amounts of headroom and add warmth and thickness to your sound. These high-quality preamps are a staple in the recording industry but also make superb front-ends for broadcasters. Both models feature a 5-stage FET circuitry and photo-optical compressor for the highest sonic quality.

The VC3Q offers mic/line gain control (60 dB on mic and 30dB on line), 48-volt phantom power, compression controls and 3-band EQ.

The VC6Q adds many additional controls, including 20 dB pad, phase reverse, variable ratio control, mid-sweep on the EQ, mic/line switch and more.

VC3Q single-channel compressor/mic preamp  
Mfr. List \$399.99 **ONLY \$299.00**

VC6Q single-channel compressor/mic preamp  
Mfr. List \$599.99 **ONLY \$449.00**



### JOE MEEK VC2

The Tube Channel VC2 is a 2U 19-inch rack unit with a mono microphone preamplifier, a compressor and the famous Joe Meek enhancer. The tube is in the compression amplifier and produces rich warm sounds for engineers who record world class instruments and voices. All controls needed in the most demanding recording situations are included: phase reverse switching, a 20 dB pad, switchable high-pass filter, line insert, impedance change switch, and many more. Order today.

VC2 single-channel tube compressor/mic preamp  
Mfr. List \$1,999.99 **ONLY \$1,599.00**



### PRESONUS ACP88

The ACP88 is an 8-channel dynamics processor designed to provide compression, limiting and noise gating in a variety of applications: multitrack recording, live sound reinforcement, broadcast and permanent sound installations. Each channel on the ACP88 provides crystal clear, musical compression and is equipped with full-featured controls including variable attack and release and soft/hard knee. **Features:** manual or auto compressor mode; noise gate with gate key/sidechain for precise frequency gating applications; linking function makes it possible for any channel to be linked (from 2 to 8 channels together in any order); LED indicators; balanced 1/4" TRS I/O (selectable +4dBu/-10dBu switch); two-rack, all-steel chassis.

\*ACP88 8-channel compressor/limiter/gate  
Mfr. List \$1,199.95 **ONLY \$899.95**



### PRESONUS ACP-22

The ACP-22 two-channel dynamics processor is designed to provide compression, limiting and noise gating for a variety of applications. **Features:** compression ratio from 1:1 to infinity:1; variable attack and release times and switchable hard/soft-knee; automatic mode offering program dependent attack and release times; switchable gate range (-60 dB/-6dB); internal power supply; balanced XLR and unbalanced 1/4" I/Os.

\*ACP22 2-channel compressor/limiter  
Mfr. List \$399.95 **ONLY \$299.95**



### PRESONUS BLUEMAX

Presonus BLUEMAX is a smart stereo compressor/limiter with 15 studio presets: 3 vocal presets, 8 instrument settings, 2 classic stereo settings and 2 special effects. Besides the studio presets, its manual mode gives you full control over compression parameters including variable input/output, attack/release times and ratio from 1:1 to 20:1. **Features:** onboard metering shows input/output levels & gain reduction; sidechain input; stereo/mono operation; +4/-10 stereo operating levels; internal power supply; unbalanced 1/4" I/Os.

BLUEMAX single channel compressor/limiter  
Mfr. List \$199.95 **ONLY \$149.95**

## Compressors / Dynamic



### RANE DC24

This unique, 2-channel compressor/limiter/expander/gate offers split band processing for separate control over lows and highs. **Features:** controls for compression ratio and threshold, expander/gate ratio and threshold, limiter threshold; gain reduction LED meters; built-in crossover for split band processing; XLR and 1/4" I/O (switchable -10 dBu/+4 dBu).

DC24 2-channel compressor/limiter/gate  
Mfr. List \$599.00 **ONLY \$452.00**



### RDL ST-CL1

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems. The ST-CL1 is an audio compressor/limiter. It features incremental gain reduction; positive audio level protection; smooth (inaudible) gain reduction; tight audio peak control. Requires 24-volt power supply (PS24A sold separately).

STCL1 compressor/limiter  
Mfr. List \$143.00 **ONLY \$116.00**



### SYMETRIX 301

The Symetrix 301 compressor/limiter delivers extremely clean compression for broadcast applications. Unique circuitry eliminates secondary causes of distortion during compression, allowing use of shorter release times. **Features:** automatic attack/release button for quick preset setup; 115 dB range; ultra-low THD+Noise of less than .008% at any gain reduction level; balanced XLR and Euroblock inputs and outputs; half-rack size.

301 single-channel compressor/limiter  
Mfr. List \$249.00 **ONLY \$212.00**



### SYMETRIX 565E

The 565E is an extremely flexible, low distortion, high performance multi-dynamics processor. **Features:** two channels (each with simultaneous downward expander, compressor and peak limiter); Dynamics Squared circuitry reduces distortion during gain reduction for better-sounding compression; dual mono or stereo operation; individual LED meters for each processing section and output; balanced XLR and unbalanced 1/4" inputs and outputs.

565E 2-channel compressor/limiter  
Mfr. List \$399.00 **ONLY \$340.00**

**Compressors / Dynamic**



**SYMETRIX**

**422**

This stereo, wide-range, AGC amplifier and peak limiter keeps audio levels consistent by gently bringing up lower level audio and transparently limiting audio that is too hot. Radio stations use the 422 as a preprocessor to boost the horsepower of their on-air processors. The 422 is an excellent remedy to inconsistencies between commercials and other program material for TV stations, cable systems and automated radio stations. **Features:** target level control for easy setup; parallel input and output LED ladder metering; remote bypass port; balanced or unbalanced I/O via XLR and TRS connectors.

422 **2-channel audio leveler/limiter**  
Mfr. List \$619.00 **CALL FOR PRICE**

**Equalizers**



**ART**  
**300 SERIES**

With the ART 300 Series, choose from the dual 15-band (341) or single channel 31-band (351) EQ in a single rack space, or dual channel 31-band (355) EQ in a dual rack space. **Features:** dual range switch ( $\pm 6$ dB or  $\pm 12$ dB cut/boost); bypass switch; high-pass and low-pass controls (on 351/355 only); balanced XLR, 1/4" and unbalanced RCA I/O; 120/240 volt switch; rear panel ground lift switch; LED clip indicators.

341 **dual 15-band graphic equalizer**  
Mfr. List \$249.00 **ONLY \$159.00**

351ART **31-band graphic equalizer**  
Mfr. List \$249.00 **ONLY \$159.00**

355ART **dual 31-band equalizer**  
Mfr. List \$389.00 **ONLY \$249.00**



**RANE**  
**PE17**

Rane's five-band parametric EQ is excellent for digital audio workstations, production and on-air applications. Low noise and wide bandwidth make it ideal for heavy commercial use. **Features:** 5 bands each with full 10 Hz to 20 kHz frequency range; sweepable high and low-cut filters; bandwidth range from 2 octaves to .03 octave;  $\pm 12/-15$  dB boost/cut range; individual band bypass switches; balanced XLR and 1/4" TRS inputs and outputs; 1/4" TRS patch insert jack.

PE17 **5-band parametric equalizer**  
Mfr. List \$549.00 **ONLY \$414.00**

**Equalizers**



**ALESIS**  
**PEQ-450**

The new Alesis PEQ-450 is exceptionally feature rich and remarkably affordable. This five-band parametric equalizer is a four-channel, dual stereo digital processor with the look and feel of high-end analog systems. The unique, one knob per function interface makes it easy to use for exceptional control. Balanced 1/4" TRS inputs and outputs.

\*PEQ450 **dual 5-band parametric equalizer** Mfr. List \$399.00 **ONLY \$349.00**



**ALESIS**  
**MEQ230**

No other equalizer offers more EQ control in such a small package. **Features:** two complete 30-band 1/3 octave equalizers in one rack space; each channel handles frequencies from 25 Hz to 20 kHz with  $\pm 12$ dB boost or cut per band; power up delay circuitry protects speakers from damage; unbalanced I/O via 1/4" and RCA jacks.

MEQ230 **dual 30-band graphic equalizer** Mfr. List \$299.00 **ONLY \$229.00**



**BEHRINGER**  
**DSP1100P/DSP110**

Destroy feedback automatically with the DSP1100P. This digital 2-channel feedback suppressor/parametric EQ is based on a high-power 24-bit DSP. It offers both automatic feedback suppression and a manual mode for use as a highly selective parametric EQ (24 programmable filters). With servo-balanced I/O and an internal power supply in its 1RU case, the DSP1100P is ready for any professional application requiring dynamic feedback control.

The DSP110 ultra-compact wonder machine combines an automatic, self-learning feedback suppressor, a super-variable delay line and a ULN microphone preamplifier with phantom power, an automatic noise gate, a compressor, and a variable low-cut filter – all in an extremely rugged casing. **Features:** 24-bit A/D and D/A converters; automatic noise gate with learn mode and manual adjustment; level conversion from line to mic level and vice versa; balanced XLR and 1/4" TRS connectors.

DSP1100P **feedback suppressor/parametric EQ**  
Mfr. List \$199.00 **ONLY \$159.00**

DSP110 **compact feedback suppressor**  
Mfr. List \$199.00 **ONLY \$159.00**



**RANE**  
**ME SERIES**

The Rane ME15B is a 2 channel, 15-band 2/3 octave EQ in a single rack space unit. **Features:** a range switch for the 20mm faders allowing cut or boost of  $\pm 12$ dB or  $\pm 6$ dB; input and output level controls; balanced XLR or 1/4" TRS I/O.

ME30B is a single channel unit with 30 bands (1/3 octave). **Features:** a range switch for the 20mm faders allowing cut or boost of  $\pm 12$ dB or  $\pm 6$ dB; input and output level controls; balanced XLR or 1/4" TRS I/O.

The ME60 dual channel stereo graphic equalizer features 20 mm sliders for precise visual control. **Features:** 2 x 30 bands of interpolating constant-Q filters; sweepable high and low-cut filters;  $\pm 12$  dB boost/cut range; input level controls; overload indicators; bypass switches; balanced XLR and 1/4" TRS inputs and outputs; unbalanced RCA I/O; two-year limited warranty.

ME15B **dual 15-band graphic equalizer**  
Mfr. List \$439.00 **ONLY \$332.00**

ME30B **30-band graphic equalizer**  
Mfr. List \$429.00 **ONLY \$325.00**

ME60 **dual 30-band graphic equalizer**  
Mfr. List \$699.00 **ONLY \$527.00**

\* Non-inventory item subject to return restrictions.

## Equalizers

ROLLS  
REQ SERIES

REQ215 is a low cost, dual-channel, 2/3 octave equalizer in a single rack space with features and performance comparable to higher priced EQs. **Features:** smooth band-pass filtering that's virtually distortion-free; transparent low-noise circuitry; high and low shelving filters with adjustable roll-off and high-cut functions; 5 segment LED metering; balanced XLR and unbalanced 1/4" phone jack I/O.

REQ231 is a 31-band stereo graphic equalizer.

REQ215	dual 15-band graphic equalizer	Mfr. List \$250.00	<b>ONLY \$215.00</b>
REQ232	31-band stereo graphic equalizer	Mfr. List \$460.00	<b>ONLY \$395.00</b>

SYMETRIX  
550 SERIES

The 551E is a mono parametric device that provides more accurate and precise control than is possible with a graphic EQ. **Features:** 5 identical, fully overlapping EQ bands, each with 12 dB boost and 20 dB cut; adjustable bandwidth from .05 to 2 octaves and a frequency range control from 10 Hz to 20 kHz; extremely low noise and distortion; high cut and low cut filters; balanced and unbalanced I/O via XLR and 1/4" TRS connectors.

The 552E is a dual 5-band parametric EQ for stereo applications.

551E	5-band parametric equalizer	Mfr. List \$449.00	<b>CALL FOR PRICE</b>
552E	dual 5-band parametric equalizer	Mfr. List \$749.00	<b>CALL FOR PRICE</b>

SYMETRIX  
530 SERIES

The 530 Series graphic equalizers are a high-quality, value driven alternative to other affordable equalizers. Proprietary topology delivers extremely low noise and distortion. **Features:** mode switch for bypass,  $\pm 6$  dB, or  $\pm 12$  dB cut/boost ranges; high-cut and low-cut filters; metal shaft faders for precise control; balanced XLR and TRS I/O; internal power supply.

The 531E is a 2RU, mono 31-band unit with 60 mm faders.

The 532E is a dual 31-band unit with 20 mm faders.

The 533E is a dual 31-band unit with 40 mm faders in a 3 RU chassis.

531E	31-band graphic equalizer	Mfr. List \$599.00	<b>CALL FOR PRICE</b>
532E	dual, 31-band graphic equalizer	Mfr. List \$749.00	<b>CALL FOR PRICE</b>
533E	dual, 31-band graphic equalizer	Mfr. List \$949.00	<b>CALL FOR PRICE</b>

\* Non-inventory item subject to return restrictions.

## Effects Processors

ALESIS  
MIDIVERB4

MidiVerb 4 is a flexible multi-effect processor with the ability to combine up to 3 effects simultaneously. **Features:** 128 factory presets including reverbs, delays, chorus, flanging and pitch effects; comprehensive editing system which lets you program your own effects and store them in memory; stereo or mono modes; auto level sensing inputs; unbalanced 1/4" I/O.

MIDIVERB4	2-channel effects processor	Mfr. List \$329.00	<b>ONLY \$249.00</b>
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ALESIS  
MICROVERB4

MicroVerb 4 is a true stereo, 18-bit effects processor in an affordable package. **Features:** 100 preset and 100 user programs including varieties of reverbs, delays, chorus, flange, etc.; mono and stereo programs with single and multiple effects; dual-send programs that allow you to send one effect to one channel and another to the other channel; unbalanced 1/4" I/O.

MICROVERB4	2-channel effect processor	Mfr. List \$249.00	<b>ONLY \$199.00</b>
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ALESIS  
NANOVERB

This compact, inexpensive 2-channel processor offers high quality effects that you can take with you on the road. **Features:** 16 adjustable programs including reverbs, chorus, delay, flange as well as multi-effects such as chorus/reverb and chorus/reverb/delay and a realistic rotary speaker simulator; 24-bit DSP chip; 18-bit A/D and D/A converters; unbalanced 1/4" I/O.

NANOVERB	2-channel effects processor	Mfr. List \$135.00	<b>ONLY \$99.00</b>
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APEX  
104

The 104 is the Aural Exciter in an affordable package. The 104 combines two processing types to allow the user to enhance both ends of the spectrum. The Aural Exciter portion utilizes the same psychoacoustic principles of the professional Type III to increase presence and clarity with enhanced stereo imaging and virtually no noise. Big Bottom™ is the revolutionary bass enhancer that provides more powerful bass dramatically increases bass presence, density and loudness without vastly increasing peak amplitude or generating sub harmonics. **Features:** +4 or -10 dB operation; unbalanced 1/4" I/O.

104	aural exciter with unbalanced I/O	Mfr. List \$299.00	<b>ONLY \$203.00</b>
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Effects Processors



**APHEX**  
**250**



Aural Exciter 250 is the patented audio processor for broadcast and professional audio applications. It's spectral phase refraction (SPR) function corrects the bass delay anomaly inherent in the recording process to restore clarity and openness, and significantly increases the apparent bass energy level without adding amplitude equalization or "bass boost". This SPR circuitry combined with Aphex's Adjustable Harmonics Mixing, the 250 provides an easy, yet flexible way to restore the punch lost in the recording process and through on-air processing. Noise and distortion are virtually eliminated in the 250's revised Type III circuitry. **Features:** two modes of noise reduction actually erases noise; RF filtered power; I/O levels from -10 to +8 dBm; balanced XLR I/O.

250 aural exciter with XLR I/O  
Mfr. List \$995.00 **ONLY \$792.00**



**ART**  
**416 DMV-PRO**

The 416 DMV-PRO is a true, dual stereo effects processor. It offers all the parameter editing, MIDI capability and programmability of two full-featured effects processors. Independent editing interfaces allow for immediate access to both stereo processors, and its two LCDs provide clear visual feedback. **Features:** 24-bit effects processing; 20-bit A/D-D/A; many effects including hall, chamber and room reverbs, chorus, flange, pitch-shift, tremolo, panning, delay and more; fully programmable with 100 user presets; MIDI controllable; 4 unbalanced 1/4" inputs and outputs.

416 dual stereo effects processor  
Mfr. List \$525.00 **ONLY \$380.00**



**BEHRINGER**  
**VIRTUALIZER DSP1000P**

The VIRTUALIZER DSP1000P uses a high-power 24-bit DSP with two separate "engines" to process entirely different effects for the left and right channels. You can, for example, use it as a chorus on one channel and as a reverb on the other. All parameters can be edited via the jog wheel and stored in user programs. Choose from 32 high-performance algorithms for chorus, flanger, delay, reverb and more (customizable to create 700 variations). **Features:** 24-bit internal processing; 20-bit A/D-D-A converters with 64/128-times oversampling; 100 memory settings; balanced analog XLR and 1/4" TRS connectors.

DSP1000P dual multi-effects processor  
Mfr. List \$179.00 **ONLY \$149.00**



**BEHRINGER**  
**MODULIZER PRO DSP1200P**

With the MODULIZER PRO DSP1200P you have enough power to explore entirely new frontiers. Ear-opening modulation effects like 8-voice chorus and spatial flanging puts tons of unique and trendy stuff at your fingertips. From 3D effects to jet-stream flanger and resonator – you'll re-discover the fun of effect creation. **Features:** 20-bit A/D and D/A converters with 64/128-times oversampling; true stereo processing allows separation of left and right channels; 100 user presets; 24 effects such as Ultra Phaser, Auto Filter, Ambience, Compressor, Super Bass, Vintager, 3D-Processor and more; 24-bit processing, professional 46-kHz sampling rate; balanced XLR and 1/4" TRS connectors.

DSP1200P multi-effects processor  
Mfr. List \$179.00 **ONLY \$149.00**



**BEHRINGER**  
**ULTRAFEX PRO EX3200**

The ULTRAFEX PRO EX3200 is a psychoacoustic device for improving presence and subjective volume. Two of the high-frequency processor's five controls per channel allow the desired degree of processing (High Mix) and the portion of the audio spectrum to be processed (Tune). **Features:** multiband sound enhancement system; "Natural Sonic" processor for sound improvement and high-end transparency; integrated automatic noise reduction system; bass processor for unbelievable bass sounds; surround processor for dramatic intensification of the stereo spatial effect; servo-balanced inputs and outputs; XLR and 1/4" TRS connectors.

EX3200 spatial enhancement processor  
Mfr. List \$179.00 **ONLY \$149.00**



**DIGITECH**  
**S100/S200**

The S100's dual engine configuration can operate as two individual effects processors or as a single stereo processor. The effects range from reverbs and delays to rich choruses, flangers and phasers to hard-to-find effects like vocoder and ring modulator. **Features:** 26 different effect types (99 user/99 factory presets); 5 effect routing configurations; MIDI selectable programs; 24-bit internal signal path; 20-bit A/D and D/A conversion; 96 dB S/N ratio; unbalanced 1/4" inputs and balanced 1/4" outputs.

S200 adds a graphical display and preview function for easy program creation and immediate feedback.

\*S100 multi-effects processor  
Mfr. List \$220.00 **ONLY \$179.95**

\*S200 multi-effects processor  
Mfr. List \$340.00 **ONLY \$279.95**



**NEW**

**EVENTIDE**  
**ORVILLE**

With its exquisitely engineered DSP power plant, 96 kHz/24-bit sampling, "anything-to-anything" multi-channel routing facilities and vast programming capability, Orville will let you master any signal-processing task that comes your way. With Orville, you'll never feel "under powered". Why? Because whether you're processing one channel of audio or two sets of dual stereo signals, Orville is a powerful, self-contained signal processing platform. Orville incorporates Eventide's newest pitch-shifting technology, the UltraShifter. This format-maintaining algorithm gives you the ability to produce natural sounding vocal harmonies in real-time. Conventional pitch-shifting technology simply cannot produce the natural and powerful vocal harmonies that the UltraShifter does throughout its full four-octave range. No longer are you limited to "thickening" vocals by shifting them up or down a few cents – try a fifth or an octave! You want four-channel reverbs for 360-degree surround-sound ambience? Orville's got 'em, not to mention an abundant array of reverbs, pitch shifters, distortion, dynamics, EQ, phasing, flanging,

and other music and production effects: all front-panel selectable using either the Eventide knob or keypad. Need something you don't see in the program list? New programs can be created with the on-board object-oriented algorithm construction kit. This kit is a "virtual patchbay" that includes over 150 distinct effects modules, all editable using the large LCD window. Eventide's Timesqueeze algorithm, tested and proven in the demanding arena of broadcast production, ensures real-time, high-quality pitch change and time-compression/expansion on playback. Record your material into the sampler and apply this feature when, for example, you need to "Timesqueeze" a 35-second piece of audio into 30 seconds or stretch it to fit a music cue. Menu and parameter selection are accomplished with expanded up/down/left/right keys. A standard PCMCIA card loaded into the front panel adds portability and additional storage of your processing and routing programs.

\*ORVILLE multi-effects processor Mfr. List \$5,695.00 **ONLY \$4,844.00**

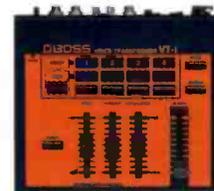
**NEW****TC HELICON VOICEPRISM SERIES**

VoicePrism is a one-of-a-kind vocal processor with the ability to change your voice characteristics to create new realistic character voices or add harmonies to vocal parts. It offers 4 voice-backing, vocal harmonies with independent gender and humanizing controls and automatic lead-voice double tracking. In addition it features compression, gating and dual parametric EQ plus a variety of post-effects including delay, chorus, flange and reverb with pre-delay. Features: a high-quality 48V phantom mic preamp input and a line level analog input that feed 24-bit digital converters; 128 fully editable presets; preset browser and direct edit buttons and stereo 1/4" TRS analog and digital S/PDIF outputs.

VoicePrismPlus adds additional DSP power, algorithms and the ability to do voice modeling/emulation for even greater creative possibilities.

\*VOICEPRISM vocal formant pitch processor Mfr. List \$1,299.00 **ONLY \$999.00**

\*VOICEPRISMPPLUS VoicePrism w/ emulation card Mfr. List \$1,898.00 **ONLY \$1,498.00**

**TC Helicon VOICEPRISM Series****Effects Processors****ROLAND****VT-1**

Actually change the entire character of your voice with the Roland VT-1. Easy-to-use controls let you change your voice to sound like the opposite sex, robots, chipmunks and others. Features: 4 memory presets; pitch sliders to raise or lower the fundamental note pitch; mic and line I/Os.

VT-1 voice transformer  
Mfr. List \$395.00 **ONLY \$301.00**

**YAMAHA****REV500/REV100**

The REV500 is Yamaha's breakthrough in price/performance processing with 32-bit processing and 20-bit A/D-D/A converters. Features: 100 user presets and 100 user programs; exceptional reverbs, plus reverb with chorus, flanging, gate, dynamic filter and more; dedicated knobs for main parameter adjustment; built-in snare and rim-shot samples let you test programs; balanced XLR and unbalanced 1/4" I/O.

The REV100 is an inexpensive, stereo multi-effects processor. Features: reverb, delay and modulation effects, plus combinations; rotary controls for the three most critical parameters; 99 editable factory presets; input and output level controls; peak LEDs; MIDI interface; unbalanced 1/4" I/O.

REV100 effects processor  
Mfr. List \$299.00 **ONLY \$239.00**

REV500 effects processor  
Mfr. List \$499.00 **ONLY \$399.00**

**YAMAHA****SPX990**

This stereo-in, stereo-out multi-effects processor is a standard in studios all over the world. Features: 36 main effects including reverbs, early reflections, delay, echo, modulation, pitch change, pan, freeze and combinations of the above; 3-band parametric EQ, compressor and harmonic driver can be inserted in with the main effects; 100 user memory locations; optional plug-in memory cards (MCD32) store up to 100 additional programs; 20-bit A/D-D/A converters; balanced XLR I/O and unbalanced 1/4" I/O.

SPX990 effects processor  
Mfr. List \$1,179.00 **ONLY \$929.00**

**TC ELECTRONIC M-ONE/D-TWO**

TC Electronic's M-ONE dual effects processor gives you 20 different effects (reverb, chorus, tremolo, pitch, delay and more) and lets you run two effects simultaneously. You can even create your own combination effects and store them into 100 user presets.

With the D-TWO Multitap Rhythm Delay, TC introduces a truly musical rhythm tap feature: not just tempo, but actual rhythmical patterns can be directly tapped in, or quantized according to a specific tempo and subdivision. You can even control the exact number of repeat steps with Absolute Repeat Control and specify repeats of up to one second each. Six unique direct access features include: Spatial, Ping-Pong, Reverse, Dynamic, Chorus and Filter.

Common features include: 24-bit A/D-D/A converters; factory and user presets; unbalanced S/PDIF digital I/O (44.1-48 kHz); balanced 1/4" phone jack I/O; MIDI in/thru/out.

M-ONE multi-effects processor Mfr. List \$699.00 **ONLY \$499.00**

D-TWO multitap rhythm delay Mfr. List \$699.00 **ONLY \$499.00**

**LEXICON MPX SERIES**

The MPX100 and MPX500 stereo processors offer 24-bit internal processing at an affordable price (MPX100 with 20-bit A/D-D/A; MPX500 with 24-bit A/D-D/A). Each has 240 presets with classic, true stereo reverb programs such as ambience, plate, chamber and inverse as well as tremolo, rotary, chorus, flange, pitch, detune, delay and echo. Dual-channel processing allows control of completely independent effects on the left and right channels. The more advanced MPX500 adds a graphical display for greater control and much more. Common features include: dual, two-stage headroom indicators; headphone output; software-selectable MIDI out/thru port; S/PDIF digital output; unbalanced RCA analog I/O.

The MPX 1 fulfills the promise implied by the term "multi-effects." The MPX 1 has Lexicon's own proprietary Lexichip, dedicated to delivering uncompromised Lexicon stereo reverb or ambience, in addition to another processor to create the other digital effects. So you get your best reverb, at all times, along with as many as 4 additional stereo effects.

MPX100 stereo effects processor Mfr. List \$299.00 **ONLY \$199.00**

\*MPX500 24-bit stereo effects processor Mfr. List \$599.00 **ONLY \$399.00**

\*MPX1 multi-processor effects system Mfr. List \$899.00 **ONLY \$749.00**

**Cart Machines and Bulk Erasers**



**FIDELIPAC  
CTR10 SERIES**

Fidelipac cart machines offer 4 choices: mono play, stereo play, mono record/play and stereo record/play. **Features:** automatic fast forward may be activated at the beginning or end of the secondary cue tone or entered manually from any other mode; three cue tones standard; secondary and tertiary tones may be manually recorded at any time to initiate external functions, fast forward and mute audio; high speed cueing; 1 kHz defeat with dedicated front panel indicator (recorder); selectable front panel metering for audio, phase and cue tones (recorder); balanced I/O via 9-pin D connectors (plugs supplied).

- \*CTR11 **mono play cart machine**  
Mfr. List \$2,110.00 **ONLY \$2,034.00**
- \*CTR12 **stereo play cart machine**  
Mfr. List \$2,240.00 **ONLY \$2,160.00**
- \*CTR13 **mono record/play cart machine**  
Mfr. List \$2,445.00 **ONLY \$2,357.00**
- \*CTR14 **stereo record/play cart machine**  
Mfr. List \$2,595.00 **ONLY \$2,502.00**



**AUDIOLAB  
TD5/TD1B**

The TD5 is designed to erase all audio, video and computer media. It works with all formats of cassettes and tape reels up to 16" in diameter and 2" in width. Switchable intermittent or continuous duty operation.

The TD1B erases cassettes, cartridges and up to 10 1/2" reels.

- TD511560 **tabletop bulk eraser**  
Mfr. List \$1,695.00 **ONLY \$1,517.00**
- TD1B **handheld bulk eraser**  
Mfr. List \$145.00 **ONLY \$117.00**



**LPB  
395**

The handheld 395 eraser has thermal protection and is perfect for erasing cartridges and cassettes.

- 395 **handheld bulk eraser**  
Mfr. List \$125.00 **ONLY \$112.00**



**LPB  
400**

The 400 provides over 2000 Gauss of erasure power. It will efficiently erase cartridges, cassettes and up to 1" wide open reel tape.

- 400 **tabletop bulk eraser**  
Mfr. List \$225.00 **ONLY \$201.00**



**GENEVA  
PF211**

The PF211 generates 2300 Gauss field intensity and is perfect for erasing cassettes, carts and 1/2" wide open reel tapes.

- PF211 **handheld bulk eraser**  
Mfr. List \$90.00 **ONLY \$77.00**

**Reel-to-Reel Recorders**



**Classic  
Broadcast Recorder**

**OTARI  
MX5050BIII**

The Otari MX5050BIII 2-track recorder is a quality reel-to-reel machine. **Features:** very dependable construction; 3-head design; front-panel setup adjustments with built-in oscillator; sophisticated transport with built-in mini auto locator; ±20% pitch control; 37-pin parallel interface; 1/4 track playback.

- MX5050BIII **2 track recorder**  
Mfr. List \$4,452.00 **CALL FOR DISCOUNT PRICE**



**TASCAM  
BR20**

The Tascam BR20 packs outstanding performance and features into a compact, exceptionally easy-to-use recorder. **Features:** front panel audio calibration controls; exceptionally smooth operation; switchable 15/7.5 ips tape speed (optional 7.5/3.75 speed available); accurate real-time tape counter with locate points; dump edit, manual edit, stop edit and quick cue modes; independent L/R reel size selectors; built in rack mounting and optional remote control; balanced XLR +4 dBm inputs and outputs.

- BR20 **2-track recorder**  
Mfr. List \$3,699.00 **ONLY \$2,774.00**



**QUANTEGY  
REEL-TO-REEL MEDIA**

BSW carries high-quality reel-to-reel tapes in different lengths. Call today to order the quantity you need.

- 406151131 **1/4 -1200' 7" plastic reel**  
Mfr. List \$16.00 **ONLY \$9.00**
- 4061731J **1/4 -2500' 10-1/2" metal reel**  
Mfr. List \$41.00 **ONLY \$24.00**
- 40617613T **1/4" x 2500' 10-1/2" pancake**  
Mfr. List \$20.00 **ONLY \$13.00**
- 456151111 **1/4" -1200' 7" plastic reel**  
Mfr. List \$20.00 **ONLY \$11.00**
- 45617311J **1/4"-2500' 10-1/2" metal reel**  
Mfr. List \$46.00 **ONLY \$29.00**
- 45617611T **1/4"-2500' 10-1/2" pancake**  
Mfr. List \$25.00 **ONLY \$16.00**

## Reel-to-Reel Recorders and Accessories

### Reelin' In The Years with TASCAM

Still yearning for classic analog sound? TASCAM's got it with the BR-20, which offers a selection of audio production features to allow flexible interfacing, optimum performance and ease-of-use. So if you like the real sound and real features of TASCAM reel-to-reel, BSW is the place to get it.

#### BR-20 Overview

- Use 11.1" or 10.5" tape reels
- Multi-speed: 15ips and 7.5ips w/±12% pitch control
- +4dB balanced and -10dB unbalanced outputs
- Independent L and R reel size, record function, and monitor select controls
- Parallel port for fader start and event triggering capability
- Spot erase, 3 autolocate points and zero return
- Precision tension servo control system

[BR-20]

www.tascam.com



**TASCAM**  
a whole world of recording



#### AMERICAN RECORDER HEAD CLEANER/K161

American Recorder offers complete tape head maintenance for reel-to-reel and other tape machines.

S721 is formulated to clean tape heads, tape guides, capstans and pinch rollers. Removes tape oxides, soils and oils with low toxicity and fast drying rate.

The K161 kit includes a 2 oz. bottle of Intraclean head cleaner, 100 cotton swabs and a wand-style head demagnetizer.

S721H	2 oz tape head cleaner
Mfr. List \$8.00	<b>ONLY \$7.00</b>
S721HQ	quart tape head cleaner
Mfr. List \$24.00	<b>ONLY \$21.00</b>
K161	recorder maintenance kit
Mfr. List \$40.00	<b>ONLY \$35.00</b>



#### BSW COTTON SWABS/BLADES/PENCILS

These extra-long style cotton swabs are designed for cleaning tape heads that are hard to reach.

Single-edge razor works with all splice blocks.

These white china markers are perfect for marking. No sharpening required.

BCS100	100 cotton swabs
Mfr. List \$7.00	<b>ONLY \$3.00</b>
BCS500	500 cotton swabs
Mfr. List \$16.00	<b>ONLY \$12.00</b>
BCS1000	1000 cotton swabs
Mfr. List \$30.00	<b>ONLY \$23.00</b>
GEM	box of 100 blades
Mfr. List \$10.95	<b>ONLY \$10.00</b>
02060	white china markers
Mfr. List \$9.00	<b>ONLY \$8.75</b>



#### XEDIT SPLICE BLOCKS/SPLICE TABS

Precision blocks are hand polished. The S3 offers two cutting angles (45° and 30°).

S3/90 offers 45 and 90 degree cutting angles.

Each tab has a red non-sticky handle that lets you position the tab easily and let go of the splice without pulling it out of place.

S3	splice block	Mfr. List \$72.00	<b>ONLY \$64.00</b>
S3/90	splice block	Mfr. List \$72.00	<b>ONLY \$64.00</b>
CL1	box of 1000 1/4" splicing tabs	Mfr. List \$62.00	<b>ONLY \$60.00</b>

**Turntables and Accessories**



**DENON  
DPDJ151**

The DPDJ151 is Denon's first direct drive digital turntable. Features: high start-up torque – 2.2 Kgfc<sub>m</sub>; digital output – for direct CDR, DAT, MD, PC recording; key adjust – maintains the key as the pitch is changed; S-shaped tone arm; removable RCAs and power cord; anti-skate and height adjustments; fine adjust long stroke slide lever; dust cover; 3 platter speeds – 33.3, 45 and 78 RPM pitch range of ±12%; switchable line level or phono output; 3-way electronic brake effect – normal/medium/slow; dual voltage (115v & 220v).

**DPDJ151 direct drive turntable w/ digital output**  
Mfr. List \$499 **ONLY \$399.99**



**TECHNICS  
SL1200MKII**

The industry's most popular turntable is without a doubt the Technics SL1200MKII. Two-speed, quartz accurate with fast start-up time, it's the perfect addition to your control room. For production, the pitch change adjustment of ±8% comes in handy. The SL1200MKII includes base, dust cover and tonearm.

**SL1200MKII direct drive turntable with pitch control**  
Mfr. List \$700.00 **ONLY \$567.00**



**STANTON  
STR8-80**

New technology for vinyl spinners and scratchers, the STR8-80 is a straight tone arm table that is ready to plug into any analog or digital environment. Features: reverse and motor off functions; 3.5mm line input built-in (for portable CDs, MDs, or any other line source) cable included; key adjustment (A.K.A. master tempo); quartz lock (A.K.A. zero pitch); 3 speeds: 33, 45, 78 rpm; selectable pitch adjustment (+/- 8%, 12%); skip-proof straight tone arm; remote start; adjustable feet; S/PDIF digital output; direct drive motor; aluminum platter; target light; blue strobe indicator.

**STR8-80 direct drive turntable with digital out**  
Mfr. List \$449.00 **ONLY \$324.00**



**ATI  
P100S**

This preamp offers state-of-the-art specs in a cost-effective enclosure. Quality components allow the P100S to achieve a 90 dB signal-to-noise ratio; channel separation of 60 dB; minimum distortion 0.1%.

**P100S active balanced turntable preamp**  
Mfr. List \$359.00 **ONLY \$333.00**



**RANE  
PS1RANE**

The PS1 uses high-quality, audio grade components for a pristine audio path. Features: switchable cartridge loading capacitors; 0.1 dB RIAA accuracy; balanced high-current line drivers; RCA outputs.

**PS1RANE phono preamplifier**  
Mfr. List \$229.00 **ONLY \$173.00**



**RDL  
ST-PH1**

The ST-PH1 provides accurate, low-noise preamplification at a very reasonable cost. Features: balanced and unbalanced, high and low-z outputs with level controls for left and right output; total harmonic distortion from 10 Hz to 30 kHz is <0.03% with hi-z load and <0.015% with 600 ohm load; equalization follows RIAA curve; small enough to stick on the back of your turntable base.

**STPH1 stereo phono preamp**  
Mfr. List \$130.00 **ONLY \$106.00**



**ROLLS  
VP29**

The VP29 is used to amplify an RIAA equalized signal from a turntable to line level and standard equalization. Features: RCA inputs/outputs; 1/4" TRS output; adaptor included in U.S. models.

**VP29 turntable preamp**  
Mfr. List \$76.00 **ONLY \$55.00**

**SHURE  
M44G/M447/SC35C**



The popular M44 Series models feature a spherical diamond stylus (0.7 mil) with a large-diameter stylus assembly. Tracking force specs are as follows: M44G .75 to 1.5 grams; M447 1.5 to 3 grams. The SC35C features a spherical diamond stylus (0.7 mil) with a large-diameter stylus assembly. Tracking force is 4 to 5 grams.

- \*M44G phono cartridge**  
Mfr. List \$100.00 **ONLY \$64.00**
- \*N44GX replacement stylus for M44G**  
Mfr. List \$47.00 **ONLY \$28.00**
- \*M447 phono cartridge**  
Mfr. List \$115.00 **ONLY \$74.00**
- \*N447X replacement stylus for M447**  
Mfr. List \$29.00 **ONLY \$17.00**
- \*SC35C phono cartridge**  
Mfr. List \$60.00 **ONLY \$39.00**
- \*SS35C replacement stylus for SC35C**  
Mfr. List \$31.00 **ONLY \$19.00**

**STANTON  
500ALII**



The 500ALII may be the most popular of all broadcast cartridges for its durability and spherical tip that make it suitable for back-cueing. Tracking pressure is for 2-5 grams.

The 520SK and 505SKII are designed for scratching with a spherical tip stylus that tracks at 2-5 grams. 505SKII features improved scratching performance.

680ELII is for studio work with less back-cueing and greater fidelity. This elliptical stylus tracks at 2-5 grams.

- 500ALII phono cartridge**  
Mfr. List \$45.00 **ONLY \$29.90**
- 520SK phono cartridge**  
Mfr. List \$69.00 **ONLY \$49.95**
- 5200SK stylus for Stanton 520SK**  
Mfr. List \$36.00 **ONLY \$24.95**
- \*505SKII phono cartridge**  
Mfr. List \$59.00 **ONLY \$39.95**
- \*D51005KIIIT phono stylus**  
Mfr. List \$40.00 **ONLY \$24.95**
- 680ELII phono cartridge**  
Mfr. List \$80.00 **ONLY \$54.95**
- D6800ELII stylus for 680AL**  
Mfr. List \$55.00 **ONLY \$34.95**

**STANTON  
VC-1**



This vinyl cleaning system combines the specially formulated cleaning fluid that removes dirt and debris from the grooves and provides an anti-static property to your vinyl. It comes with a professional brush made with a deep unidirectional velvet pile.

**VC-1 vinyl cleaning system**  
Mfr. List \$29.00 **ONLY \$22.95**

\* Non-inventory item subject to return restrictions.

Cassette Recorders

Bullet-Proof  
CASSETTE DECKS



**DENON**  
DN790R/DN720R

Denon's top-of-the-line rack mount cassette deck, the DN-790R features the Dolby S noise reduction system. Features: 3-head configuration (long-life amorphous heads); aluminum die-cast head base and dual capstan drive for rock-solid tape transport and absolutely faithful audio recordings; Dolby B, C and HX Pro; ±12% pitch control; accurate music search; auto bias tuning; unique 3-wire remote control system that makes it a breeze to wire remote control for 6 machine functions including Play, FF, Reverse, Stop, Pause and REC/REC Mute; balanced XLR and RCA inputs and outputs.

The DN720R is a lower cost alternative to Denon's balanced output cassette decks. Long head life, speed control and bias fine adjustment are a few of the tools included for demanding professionals. Features: 2 long-life amorphous tape stable tape transport; real-time counter; wired remote control; headphone output; 19" rack mount brackets; unbalanced RCA I/O.

DN790R	3-head cassette deck with XLR I/O	DN720R	2-head cassette deck with RCA I/O
Mfr. List \$999.00	<b>ONLY \$799.99</b>	Mfr. List \$499.00	<b>ONLY \$399.99</b>

**DENON**  
DN770R

This extremely flexible dual output deck gives you the added functionality of continuous recording and playback. Features: independent, simultaneous playback from both wells; record while playing back 3-hour continuous recording; up to 7.5 hours continuous playback; optical sensing auto reverse for nearly seamless, instantaneous reversing; high/low speed dubbing; ±12% speed control on each deck; each deck features an amorphous record/play head for longer life and better high frequency response; auto standby mode pauses the cassette just past its leader avoiding dropouts during relay recordings; accurate music search; ultra-stable tape transport; real-time counter; wired remote; rack mount brackets; unbalanced RCA I/O!

DN770R	2-head, dual cassette deck
Mfr. List \$699.00	<b>ONLY \$549.99</b>

**DENON**

**MARANTZ**  
PMD500 SERIES



The Marantz PMD520 is a top-of-the-line, 3-head, independent dual well cassette recorder. Designed with the real-time duplicator in mind, the PMD520 offers cascade play/record capability allowing multiple units to be linked together for long playback and recording applications. Features: fine speed adjust; auto bias; loop through outputs; high speed (2X) recording; overlap series recording; one-touch record pause; timer activated record/play; record mute; record balance control; Dolby B, C and HX Pro noise reduction; 25 pin D-sub remote control port; Marantz RC5 remote control port; unbalanced RCA I/O. Options: wired remote control (WRC200MKII); balanced XLR kit (XLR510PMD).

With 1/4" stereo mic inputs, the 2-head PMD511 provides a convenient way to mix down the output of one cassette well plus mic inputs (or a line level source plus mic inputs) to a cassette tape in the other well without the hassle and expense of an outboard mixer. This dual recorder also provides other key advantages including automatic record level control and a GPI (General Purpose Interface) port for custom remote control applications. Features: 2X speed recording for high speed duplication; independent dual wells each with its own stereo I/O; pitch control; stereo bar graph meter; linear time counter; Dolby B, C, HX Pro; unbalanced RCA I/O.

PMD510 is a quality rack-mountable, dual well, 2-head cassette recorder built with the professional in mind. Features: each of the two wells is a completely independent cassette deck with discrete stereo inputs and outputs; ±15% pitch control; stereo bar graph meters; linear time counters; Dolby B, C, and HX Pro; 2 tape heads; headphone output is switchable between deck A, B or A&B; 2-speed dubbing; serial recording; unbalanced RCA I/O.

The PMD500 offers the same basic features as the PMD510 but both cassette wells share transport controls, inputs/outputs and metering.

*PMD520	3-head dual independent well cassette deck	Mfr. List \$999.00	<b>ONLY \$843.00</b>
*PMD511	2-head dual independent well deck with mic mixing	Mfr. List \$749.00	<b>ONLY \$632.00</b>
*PMD510	2-head dual independent well cassette deck	Mfr. List \$729.00	<b>ONLY \$615.00</b>
*PMD500	2-head, dual cassette deck	Mfr. List \$499.00	<b>ONLY \$421.00</b>
*XLR510PMD	balanced XLR I/O kit for Marantz PMD500 Series	Mfr. List \$199.00	<b>ONLY \$168.00</b>
*WRC200MKII	remote control for Marantz PMD500 Series	Mfr. List \$189.00	<b>ONLY \$187.00</b>

\* Non-inventory item subject to return restrictions.

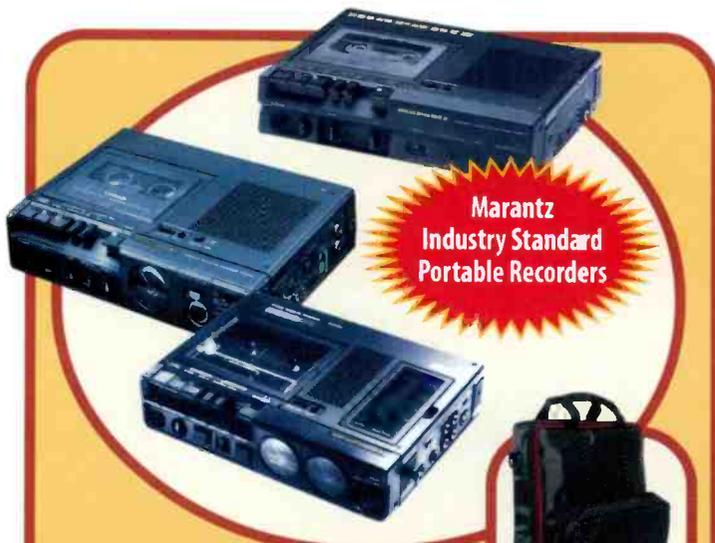


**BSW**  
CASSETTE MEDIA

BSW carries high-quality cassettes tapes in two grades. Call today to order the quantity you need.

CP10	high-bias, music-grade 10 min. cassette	<b>ONLY \$ .93</b>
CP20	high-bias, music-grade 20 min. cassette	<b>ONLY \$1.00</b>
CP60	high-bias, music-grade 60 min. cassette	<b>ONLY \$1.35</b>
CP90	high-bias, music-grade 90 min. cassette	<b>ONLY \$1.65</b>
VC10	voice-grade 10 min. cassette	<b>ONLY \$ .57</b>
VC20	voice-grade 20 min. cassette	<b>ONLY \$ .61</b>
VC60	voice-grade 60 min. cassette	<b>ONLY \$ .78</b>
VC90	voice-grade 90 min. cassette	<b>ONLY \$1.00</b>

**Cassette Machines**



**Marantz  
Industry Standard  
Portable Recorders**



Add a KEB20  
Carrying Bag for  
Only \$21.00

**MARANTZ  
PMD PORTABLE SERIES**

Marantz makes popular portable cassette recorders used in broadcast, with five models to choose from to match your application. The PMD201 is a mono 2-head machine. Both the PMD221 and PMD222 feature 3 heads for confidence monitoring. PMD222 features an XLR mic input. **Features:** 7.5 hours recording on 3 "D" size batteries (AC power supply included); modular telephone jack for direct telephone recording and playback; switchable limiter; built-in electret condenser mic and monitor speaker; variable-speed; 3-position mic attenuation; line input and output jacks; cue and review; volume and tone control; automatic or manual record level.

The PMD101 is a slightly scaled-down version of PMD201, yet it offers all of the necessary features of a great professional field recorder. **Features:** built-in speaker; electret condenser mic; normal or 1/2 speed operation; ±20% pitch control on playback; external mic input; line in/out; sturdy metal chassis. It does not include a VU meter, the RJ11 output jack, or adjustable mic level (utilizes built-in AGC). An AC adaptor must be ordered separately with the PMD101 (DA36).

The PMD430 is a quality stereo recorder similar to the 200 series models.

- PMD101 2-head, 2-speed mono portable cassette recorder  
Mfr. List \$279.00 **ONLY \$242.00**
- PMD201 2-head mono portable cassette recorder  
Mfr. List \$399.00 **ONLY \$323.00**
- PMD221 3-head mono portable cassette recorder  
Mfr. List \$479.00 **ONLY \$387.00**
- PMD222 3-head mono portable cassette recorder with XLR mic input  
Mfr. List \$519.00 **ONLY \$419.00**
- PMD430 3-head, stereo portable cassette recorder  
Mfr. List \$699.00 **ONLY \$565.00**
- CLC221 protective case for Marantz PMD200 Series  
Mfr. List \$40.00 **ONLY \$29.00**
- DA36 120-volt AC adaptor for Marantz PMD101  
Mfr. List \$13.00 **ONLY \$10.00**
- RB430 Ni-Cad rechargeable battery  
Mfr. List \$79.00 **ONLY \$58.00**
- KEB20 nylon carry bag fits Marantz PMD200 Series  
Mfr. List \$25.00 **ONLY \$21.00**



**Lowest Cost!**

**PANASONIC  
RQL50**

This handy portable recorder is great for news gathering or taking audio notes. **Features:** built-in condenser mic and external mic input for high quality recordings; voice activation or one-touch recording; Super Ni-Cad rechargeable battery and battery charger included for up to 24-hours recording; auto-stop and pause; built-in speaker; cue and review control; 3-digit tape counter; mini-jack mic input.

RQL50 portable cassette recorder  
Mfr. List \$65.00 **ONLY \$59.00**



**TASCAM  
302/202MKIII/102MKII**

The Tascam 302 is actually two independent cassette decks housed in a single 3RU chassis. **Features:** each of the two decks is capable of recording individually or simultaneously; auto reverse on both decks; normal/high speed dubbing; continuous recording or playback; both decks have independent sets of interface connectors and controls; 2 tape heads per deck; independent pitch control, Dolby B and C noise reduction and Dolby HX Pro frequency extension (independent controls per deck); dual LED metering; control I/O and cascade outputs allow linking up to 10 additional machines; unbalanced RCA I/O (each deck).

The 202MKIII dual cassette deck is ideally suited for both dubbing and continuous looping playback applications. It's similar to the 302, but without the independent inputs and outputs/transport controls for each deck. **Features:** dual synchronous record mode (can make two identical copies simultaneously from an external source); normal/high-speed dubbing; continuous auto reverse playback/recording between decks; Dolby B, C and Dolby HX Pro; front panel R & L mic inputs, headphone jack; unbalanced RCA I/O.

The 102MKII is a low cost, rack mount single deck with center mounted transport. **Features:** Dolby B and C noise reduction; Dolby HX Pro frequency extension; electronic digital tape counter; auto tape selection; BIAS fine adjustment; front panel headphone jack; 2 tape heads; unbalanced RCA I/O.

- 302 2-head independent-well cassette Mfr. List \$799.00 **ONLY \$599.00**
- 202MKIII 2-head dual cassette deck Mfr. List \$599.00 **ONLY \$449.00**
- 102MKII 2-head single cassette deck Mfr. List \$399.00 **ONLY \$300.00**



**Cassette  
Duplicator**

**TASCAM  
T-3000**

The T-3000 cassette duplicator is a workhorse system offering extremely fast duplication. The 4x-speed stereo duplication system utilizes a 4-track/4-channel track format. Each duplicator has three cassette mechanisms: 1 and 2 act as slave decks while the third can be used as a master or a slave deck. **Features:** ferrite record/play heads; auto switchable for normal Type I and CrO2 Type II cassettes; duplication 7.5 minutes for C-60 cassette.

\*T3000 cassette duplicator Mfr. List \$1,649.00 **ONLY \$1,299.00**

\* Non-inventory item subject to return restrictions.

**Cassette Recorders**

# Reliable, Powerful and Great-Sounding: TASCAM Cassette Decks

If you're looking for the most advanced cassette recorders available today, look no further than TASCAM. Our cassettes cover everything you need for two-track audio production and broadcast facilities. Choose from the no-frills production workhorse, the 112mkII, or the powerful industry standard for professional studios, the 122mkIII. Either way, you'll have the cassette deck you need from TASCAM and BSW.

## 112mkII/122mkIII Overview

- Dolby B and C noise reduction with HX Pro headroom extension
- ±12% pitch control
- RCA unbalanced I/O (112mkII)
- XLR balanced & RCA unbalanced I/O (122mkIII)
- 3-head high performance design, offering confidence monitoring (122mkIII)
- Parallel port for external or fader start control (122mkIII)
- 400Hz & 10kHz oscillators built in (122mkIII)



www.tascam.com

**TASCAM**  
a whole world of recording

**Top Seller**



**Renowned Tascam Cassette Recorders**

### TASCAM 122MKIII/112MKII

The high-end 122MKIII is a 3-head deck with uncompromised electronics and a precision FG-servo direct-drive capstan motor for stable performance. Features: audible cue and review; ±12% pitch control; real-time tape counter; two locate points and RTZ function; flexible monitor selector; Dolby HX Pro, B & C noise reduction; cobalt amorphous record and playback heads; gear/clutch-coupled input level controls; built-in 400 Hz and 10 kHz oscillator adjustment signals; record/mute auto spacing; 25-pin D-sub connector parallel port that allows connection for multi-deck operation or remote transport control; balanced XLR type I/O.

The 112RMKII is a basic, 3-head auto reverse deck similar to the 122MKIII.

The 112MKII is a classic no-frills workhorse deck similar to the 122MKIII, but in a 2-head configuration. Features: servo direct drive capstan motor for high stability recording and playback; pitch control; Dolby B & C noise reduction; Dolby HX Pro frequency extension; 2 memory locations with RTZ function; unbalanced RCA inputs and outputs; optional balanced XLR I/O kit (LA112).

LA112 is the balanced XLR I/O kit for the 112MKII series cassette recorders.

122MKIII	3-head cassette deck	Mfr. List \$1,499.00	<b>ONLY \$1,124.00</b>
112RMKII	3-head cassette deck	Mfr. List \$1,245.00	<b>ONLY \$934.00</b>
112MKII	2-head cassette deck	Mfr. List \$920.00	<b>ONLY \$690.00</b>
LA112	balanced XLR I/O kit for Tascam 112MKII Series	Mfr. List \$110.00	<b>ONLY \$82.00</b>



**Lowest Cost!**

### TECHNICS RSTR373/RSTR575

Both the RSTR373 and RSTR575 offer outstanding quality and convenience in a dual cassette format. Features: super quick FF and REW; 24 hour continuous playback; Dolby B, C, HX Pro and high/low speed dubbing.

The more advanced RSTR575 adds record/play capability from both decks, up to 3 hour continuous recording and auto tape calibration. Units can be made rack mountable with the RK4 rack kit.

RSTR373	one record/one play dual cassette deck	Mfr. List \$249.95	<b>ONLY \$219.00</b>
RSTR575	dual cassette deck	Mfr. List \$329.95	<b>ONLY \$279.00</b>
RK4	rack kit for Technics RSTR Series	Mfr. List \$55.00	<b>ONLY \$49.00</b>

\* Non-inventory item subject to return restrictions.

## Cassette/CD Player Combinations

## Popular Combo Decks


**DENON**  
**DNT620**

The DN-T620 combines a CD player and cassette deck into a single 3RU body. **Features:** CD and cassette decks operate independently or dub from CD to cassette – even mix the outputs of both; CD player features a 10-key pad for direct track selection and powerful playback functions; A-B Repeat mode; single/continuous playback mode; variable pitch up to  $\pm 12\%$  for both CD and cassette players; auto-reverse cassette deck with Dolby B noise reduction; input source is switchable between internal CD and external line input; 2 tape heads; balanced XLR and unbalanced RCA inputs and outputs.

DNT620 CD player/cassette deck Mfr. List \$649.00 **ONLY \$499.00**


**MARANTZ**  
**PMD350**

Independent cassette and CD machines housed in a single chassis make the PMD350 extremely convenient to use. **Features:** separate and mixed tape and CD outputs; separate pitch controls ( $\pm 12\%$ ); front panel headphone jack with source selector; independent fader starts; manual and automatic dubbing; 2 tape heads; large transport controls with LED inset; auto reverse tape deck with Dolby B, C and HX Pro; cue-to-music CD player featuring program, repeat and loop functions; 1/4" L&R mic inputs for tape; unbalanced RCA I/O for tape and CD, digital output for CD. Options: wired remote (WRC200MKII) and balanced XLR kit (XLR350PMD).

PMD350 CD player/cassette deck  
Mfr. List \$749.00 **ONLY \$632.00**

WRC200MKII remote control for Marantz PMD350  
Mfr. List \$189.00 **ONLY \$187.00**

XLR350PMD balanced XLR I/O kit for Marantz PMD350  
Mfr. List \$189.00 **ONLY \$160.00**


**TASCAM**  
**CD-A700**

Tascam's CD-A700 lets you to treat CD and cassette as separate machines with independent outputs, or take advantage of integration with enhanced dubbing and extended play capabilities. **Features:** CD player/reversible cassette deck in a 3-space rack design; separate pitch controls; CD to cassette dubbing capability; continuous play function; CD Sync function; wireless remote control; balanced XLR and unbalanced RCA outputs dedicated to the CD player; common outputs on both balanced XLR and unbalanced RCA.

CDA700 CD player/cassette deck  
Mfr. List \$650.00 **ONLY \$525.00**

## CD Players


**DENON**  
**DN951FA/DN961FA**

The DN951FA is a robust studio CD player designed for use with Denon's protective CD cart shells. **Features:** instant cueing aided by a select dial; audition function; single or continuous play; digital display showing remaining or elapsed time in seconds and frames; end monitor feature allowing the operator to preview the ending of a cut; 4-times oversampling; complete remote accessibility; Denon's Auto Track Select feature that reads optional barcode labels for 3 levels of control over play (Track Exclusive, Track Priority and Track Lockout); balanced XLR outs with variable output level.

The DN961FA is basically a drawer-loading version of the DN951FA. Once a CD is in the play mode the DN961FA's eject button is disabled, so no accidents occur while the unit is on the air. Note: the DN961FA does not support Denon's Automatic Track Select feature.

DN951FA CD player – uses CD cart shells  
Mfr. List \$1,500.00 **ONLY \$1,299.99**

DN961FA CD player – drawer loading  
Mfr. List \$1,500.00 **ONLY \$1,299.99**


**DENON**  
**DN-C630**

The Denon DN-C630 CD player is built robust for continuous use. **Features:** instant start; auto cue; cue to audio with adjustable threshold; variable speed; time remaining display; re-cue or next functions; program play with 25 tracks; fade-in function; balanced XLR and unbalanced RCA outputs; coaxial digital output.

DNC630 CD player Mfr. List \$599.00 **ONLY \$469.99**


**DENON**  
**DNC680**

The Denon DN-C680 is engineered to provide the ultimate in flexibility and high performance. **Features:** program play up to 25 tracks; large illuminated display; track search select; jog/shuttle wheel to perform searches to 1 frame precision; continuous/single/A-B play modes; finish modes (stop, next, recue); auto cue; auto edit; auto space; pitch control; balanced XLR and unbalanced RCA analog outs; balanced AES/EBU digital out. Options: SMPTE and sample converter kits.

DNC680 CD player Mfr. List \$899.00 **ONLY \$774.99**

**CD Players**



**GEMINI  
CD110**

This CD player has a lot to offer broadcasters and DJs at a low price. You get instant start (0.02 seconds), cue to music, 3 different time displays and cool effects like reverse and forward stutter as well as repeat mode. The manual controls are excellent with frame accurate searching (1/75 second step), variable pitch control and pitch bend +/- 16%.

CD110 CD player with pitch control Mfr. List \$279.95 **ONLY \$179.95**

**Affordable  
Broadcast Players**



**MARANTZ  
PMD320/PMD321**

The affordable Marantz PMD320 and PMD321 CD players provide a cost-effective CD source for audio professionals. **Features:** ±10% pitch control; fader start; digital output; 10-key direct track access; headphone jack.

The PMD321 adds +4 dBu balanced XLR outs and cue-to-music mode. Options: remote control (WRC200MKII).

PMD320 CD player Mfr. List \$329.00 **ONLY \$278.00**  
 PMD321 CD player with XLR outputs Mfr. List \$429.00 **ONLY \$362.00**  
 WRC200MKII remote control for Marantz PMD321 **ONLY \$187.00**

**For CD Cleaning Supplies,  
See Page 46  
For CD Racks See Page 117**



BSW offers a variety of payment methods including open net 30-day account to qualified domestic businesses, major credit cards and personal checks with TeleCheck approval.



**SONY  
CDP-D11**

The CDP-D11's up-to-date design includes instant start, auto cue, variable speed operation (±12.5%), an IR wireless/wired remote controller and connectors for both RS-232C and programmable parallel remote control. Superb audio performance is guaranteed by high-density linear 20-bit D/A converters. Outputs are balanced XLR and unbalanced RCA, plus there are optical and coaxial digital outputs.

CDP-D11 CD player Mfr. List \$700.00 **ONLY \$599.00**



**TASCAM  
CD-450**

The Tascam CD-450 is an excellent professional CD player for studio and production use. **Features:** auto cue; auto ready; call function; incremental play; numeric keys on front panel; fader start/event start; ±12% pitch control; unbalanced RCA output; S/PDIF digital output; optional wired remote control; optional balanced XLR analog and AES/EBU digital outputs.

CD450 CD player Mfr. List \$799.00 **ONLY \$649.00**



**TASCAM  
CD-150**

The TASCAM CD-150 CD player is a cost-effective, professional CD player for commercial applications. The emphasis is on straightforward specifications with solid engineering rather than bells and whistles. For clubs and fixed installation applications, the CD-150 provides essential pitch control. Auto cue and programmable playback features are useful for PA and radio installations. **Features:** ±6% pitch control; auto cue; wireless remote control; unbalanced analog RCA outputs.

CD150 CD player Mfr. List \$319.00 **ONLY \$259.00**



**MARANTZ  
PMD300 SERIES**

The PMD330 commercial-grade CD player delivers exceptional performance. **Features:** multi-function programmable cue button enables precise control of playback; 0-digit keypad for ensuring quick access of up to 99 tracks; A-B point audio loop playback; audible frame-by-frame search control; index searching; plays CD-RW discs recorded on CD-RW compatible recorders; pitch control; RCS remote I/O; unbalanced RCA analog I/O; unbalanced S/PDIF digital coaxial output.

The PMD331 and PMD340 offer all of the features of the PMD330, plus the following features and interfaces: jog-wheel digital encoder that can control either pitch or enable faster searches for cue points; pitch bend; an instant start feature that provides no audible start delays when releasing a track from pause; 10-second audio buffer for shock resistance; balanced XLR analog I/O; optical digital output; <LR (S/PDIF format) digital output; GPI port with fader start.

Exclusive to the PMD340 is a high-durability CD mechanism designed to hold up to the heaviest daily use.

PMD330 CD player Mfr. List \$429.00 **ONLY \$362.00**  
 PMD331 CD player with XLR outputs Mfr. List \$629.00 **ONLY \$531.00**  
 PMD340 CD player with XLR outputs Mfr. List \$789.00 **ONLY \$666.00**

CD Recorders



**NEW**

**DENON  
CDRW1500P**

The new Denon dual drive CD recorder/player offers a full range of features for professional audio and broadcast applications. Features: Drive 1 is a CD and HDCD player; Drive 2: is a CD-R/CD-RW recorder and CD player; HDCD decoding (via drive 1); 24 bit A/D-D/A conversion; digital sampling frequency converter (32 kHz, 48 kHz digital inputs converted to 44.1 kHz CD sampling frequency); 44.1 kHz direct digital dubbing (HDCD dubbing compatible); optimum power calibration; 2X dubbing speed; dual playback mode (both drives play at the same time); relay playback mode; CD text and titling compatible; synchronized recording; 2 sets analog outputs; coaxial digital input; two coaxial digital outputs; optical digital input; two optical digital outputs; 2U rack mount kit included.

CDRW1500P dual tray CD player/CD recorder  
Mfr. List \$649.00 **ONLY \$599.99**

**New Lower Price!**



**MARANTZ PROFESSIONAL  
CDR500**

The new CDR500 offers stand-alone recording from any analog or digital source while also being able to perform high speed (2x) duplication from the internal CD player. A dual playback mode is available that allows simultaneous playback of both the recording and playback drives to separate outputs. Features: easily rearrange tracks before burning a disc; CD-TEXT title creation; memory buffer that prevents the beginning of tracks from getting cut off; menu selectable SCMS copy protection; digital and analog record level and balance control; balanced XLR and unbalanced RCA analog inputs; coaxial and optical digital inputs; unbalanced RCA analog and coaxial digital outputs including coaxial loop-out for connection to other digital equipment; remote control.

CDR500 CD recorder and duplicator Mfr. List \$749.00 **ONLY \$632.00**



**New Lower Price!**

**MARANTZ PROFESSIONAL  
CDR631**

The super affordable CDR631's full complement of digital and analog connections lets you record CDs from a variety of audio sources such as CDs, DATs or even a computer. Features: compatible with pro and consumer CD-R and CD-RW discs; track titles can be saved and edited in CD-TEXT format that can be read on CD-TEXT compatible CD players; memory buffer prevents the beginning of tracks from getting cut off; menu selectable SCMS copy protection; digital and analog record level and balance control; balanced XLR and unbalanced RCA analog inputs; AES/EBU (XLR), coaxial, and optical digital inputs; unbalanced RCA analog and coaxial digital outputs including coaxial loop-out for unprocessed connection to other digital equipment; IR remote control.

CDR631 CD recorder Mfr. List \$629.00 **ONLY \$531.00**



**HBB  
CDR850 SERIES/BURNIT**

Exceptional sound quality and a comprehensive feature set make the HBB CDR850 CD recorder a popular choice for broadcast professionals. Not only is it compatible with both write-once CD-R media and the new generation of CD-RW rewritable discs, the CDR850 is extremely versatile with multiple recording modes and comprehensive audio connectivity. Features: easy-to-read LED display; 4 one-touch recording modes (2 manual, 2 auto); fade in/fade out; auto pause; switchable sample rate converter; copies all CD, DAT, MD, DVD and DCC track starts; complete user control over SCMS; level margin indicator, with 1 dB increments; 4 levels of erase for CD-RW; auto finalize function; infrared remote control; balanced XLR analog I/O (+4 dBu/-8 dBu switchable balanced analog outputs); AES/EBU and S/PDIF digital I/O (coaxial and optical).

The CDR850PLUS adds a Word Clock input, essential for playback when locking to a master clock source in an all digital system. In addition, it features a balanced AES/EBU digital output which also carries track ID information.

The CDR830 has a full complement of professional features, as you'd expect from HBB, without the high price! Advanced laser assembly delivers consistent, accurate recordings compatible with a wide range of CD players. Features: records on both standard CD-R and CD-RW discs; SCMS-free digital input; double speed CD finalization; analog audio inputs are unbalanced with RCA connectors; digital inputs/outputs are optical and coax.

- CDR850 CD recorder Mfr. List \$1,350.00 **ONLY \$995.00**
- CDR850PLUS CD recorder with Word Clock Mfr. List \$1,350.00 **ONLY \$1,255.00**
- CDR830 CD recorder Mfr. List \$795.00 **ONLY \$695.00**

**MICROBOARDS  
DSR1200 SERIES**

**NEW**

The DSR 1200 Series is a low-cost, easy-to-use CD recordable duplication system that utilizes superior technology from Microboards Technology and Hoei Sangyo. With a compact footprint, the DSR series can be used disc to disc, or disc to multiple disc for higher volume requirements. No hard drive is required, because caching image files is done on-the-fly, to multiple writers simultaneously. LED indicators provide easy detection of errors during the record process, preventing bad disc duplication, and monitoring the status of the recording session. The DSR series features one-touch operation for simple CD copying, allowing any novice user to operate it effectively. The DSR 1200 series is available in a number of configurations, from one to eight recorders and features a high 12X record speed. Order today.



- DSR1202 CD duplicator, 1 read, 2 record drives Mfr. List \$1,935.00 **ONLY \$1,739.00**
- DSR1203 CD duplicator, 1 read, 3 record drives Mfr. List \$2,299.00 **ONLY \$2,075.00**
- DSR1204 CD duplicator, 1 read, 4 record drives Mfr. List \$2,685.00 **ONLY \$2,399.00**
- DSR1205 CD duplicator, 1 read, 5 record Mfr. List \$3,840.00 **ONLY \$3,455.00**
- DSR1206 CD duplicator, 1 read, 6 record Mfr. List \$4,215.00 **ONLY \$3,790.00**
- DSR1207 CD duplicator, 1 read, 7 record Mfr. List \$4,590.00 **ONLY \$4,129.00**
- DSR1208 CD duplicator, 1 read, 8 record Mfr. List \$4,965.00 **ONLY \$4,469.00**

## CD Recorders

**NEW****MICROBOARDS  
ORBIT/ORBIT II**

The Orbit and Orbit II are low cost, high-performance CD recordable duplication systems that incorporate the ingenuity of MicroBoards Technology's Champ on series of stand-alone autoloaders. Orbit's exclusive kernel autoloading technology, small desktop footprint, and ease of use provides CD duplication requirements with fast, consistent performance. Simply load the 50 disc input hopper with blank media, place the master disc into the CD reader, and Orbit's buttonless operation runs your job automatically. Orbit is perfectly suited for applications including professional audio, software development, desktop publishing and many more. Features: 50 disc input capacity; "Insert and Duplicate" buttonless operation; high-performance autoloading mechanism.

Orbit offers 8X recording speed. Orbit II offers 16x recording speed; support for almost all CD formats.

**ORBIT** 8X-speed, 50-disc CD duplicator Mfr. List \$2,495.00 **ONLY \$2,245.00**

**ORBIT2** 16x-speed, 50-disc CD duplicator Mfr. List \$3,195.00 **ONLY \$2,875.00**

Microboards  
OrbitMicroboards  
Orbit II**MICROBOARDS  
AUDIOWRITEPRO/COPYWRITER121**

The AudioWritePro allows you to connect to any analog audio source, such as tape decks or live events via RCA connectors or to a computer via a SCSI II connection. Features: 8X write from computer; 1X write from audio source; stop, play, reverse, fast forward, record and finalize disc; 18-bit A/D converter. You can also order complete packages for Mac or PC (call for software titles).

The Microboards CopyWriter 121 is a low cost, high-performance one-to-one CD duplication system. With its user friendly one button operation, the CopyWriter 121 is perfect for any user requiring easy copying of audio, video, or data CDs. It features an external SCSI interface for direct connectivity to a PC or Macintosh as well as fast 12X recording speed! Order today.

**AUDIOWRITEPRO** CD Recorder Mfr. List \$499.00 **ONLY \$499.00**

**COPYWRITER121** 12X CD duplicator with SCSI input Mfr. List \$995.00 **ONLY \$895.00**

**SONY  
CDR-W33/CDR-W66**

The exciting new CDR-W33 is the first CDR-W Recorder from Sony for professional music applications. It features high-quality, 24-bit AD/DA converters, DSP functions and CD-TEXT support. It's an excellent choice for your project studio or radio production facility. Features: Super Bit Mapping® recording (records 24-bit quality into 16-bit format); selectable DSP functions available on the analog inputs including: 3-band mid-parametric EQ and limiter; high-quality 24-bit AD/DA converters and a 32 kHz-48 kHz sampling rate converter; Control-3 for supplied remote and PS/2 (for FC keyboard) allowing basic control and text entry; CD-TEXT support Disc/Track name can be displayed and entered with alphanumeric characters; 2X Finalize; fluorescent display; supplied wireless/wired remote control unit; digital and analog record level control; coaxial digital, optical digital and unbalanced analog phono jack out.

The CDR-W66 adds balanced XLR analog and AES/EBU digital I/O. The CDR-W66 also allows for 2X speed duplication with a second CDR-W66.

**CDR-W33** CD recorder Mfr. List \$799.00 **ONLY \$599.00**

**CDR-W66** CD recorder XLR & AES/EBU I/O Mfr. List \$1,275.00 **ONLY \$999.00**

**NEW****MICROBOARDS  
STARTREC 400**

The multidrive StartREC400 allows you to simultaneously create up to 4 custom audio CDs. Suited for a variety of applications ranging from studio recording and mastering to audio post and live recording, StartREC400 puts power and versatility at your fingertips (not to mention incredible time savings). If your production environment requires digital editing of audio tracks and short-run CD-R duplication, you want the StartREC400. Features: editing functions: move, divide, combine or delete audio tracks, add or drop any index or sub index and create track fade in or fade out; digital audio sources can be imported via S/PDIF or AES/EBU input; analog sources can be imported via XLR balanced or RCA line in with volume adjustment; 2X, 4X and 8X recording speeds; accurate input signal and time lapse metering.

**ST400N** multiple CD recorder/duplicator

Mfr. List \$3,995.00 **ONLY \$3,113.00**

**TASCAM  
CD-RW700**

Like most CD recorders in this price range, the CD-RW700 offers unbalanced RCA I/O, S/PDIF digital I/O in coax and optical formats, and utilizes consumer CD-R and CD-RW media. However, this product stands above the crowd with a RAM buffer, 24 A/D-D/A converters for premium sound quality, digital gain adjustment and digital processing of fade in and fade outs from 3 to 30 seconds. sample rate converter; adjustable gain on digital I/O; Sync start (all or one track); auto or manual track increment; wireless remote control.

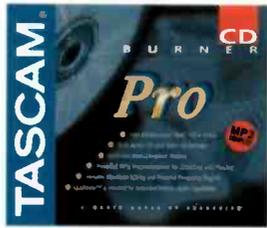
**CDRW700** CD recorder Mfr. List \$749.00 **ONLY \$599.00**

**TASCAM  
CD-RW2000**

Not only is the CD-RW2000 a state-of-the-art CD burner, but it's also a full-featured CD player for live applications. Features: 24-bit AD/DA converters; input RAM buffer helps insure precise ID marks without fear of clipping the start of the audio; gain adjustment on digital inputs; user-definable fade ins/out; incremental play and auto ready; auto cue; call function (goes to last cue point); word clock input; selectable SCMS code status menu allows the selection between SCMS free, one copy or copy prohibit mode; D-sub 15-pin parallel control I/O; balanced XLR and unbalanced analog I/O; AES/EBU, coaxial and optical digital I/O; wired remote control.

**CDRW2000** CD recorder Mfr. List \$1,125.00 **ONLY \$899.00**

**CD Recorders and Accessories**



**TASCAM  
CDRPRO**

The CD-R Pro bundle combines CD-R drive, powerful software, fast recording speed and ease-of-use at a low price. By including Mac and Windows software with a SCSI card, it offers the ability to record audio and data CDs and provide 24-bit/96 kHz capabilities with advanced real-time processing. Add to that CD authoring capabilities and QuickTime 4 players for advanced multimedia playback and you have a system ready for action. Also, download MP3 files and burn them directly to Red Book audio CDs with the PC software. **Features:** 8x24 CD-R drive; SCSI card; SCSI cable; 2 blank CDRs; software: TCWorks SparkLE, Adaptec Toast, QuickTime 4 (Mac and PC), SEK'd Red Roaster Lite; Adaptec EZ CD Creator, MyNetMedia SonicBurn.

\*CDRPRO 8x24 cd recorder bundle for pc and mac Mfr. List \$749.00 **ONLY \$599.00**



**TASCAM  
CDD4000MKII**

This cost-effective compact disc duplicator from Tascam writes in 1x, 2x, 4x, 6x and 8x speeds from the master deck to the slave deck and meets the needs of any facility requiring a duplication system. Mode Select switch for writing at different speeds; test write mode to check the integrity of the duplication process at the selected speed before execution, audio playback; easy operation via two switches; headphone jack and volume control on each drive.

CDD4000MKII cd duplicator Mfr. List \$1,299.00 **ONLY \$999.00**



**Complete CD Mastering Solution**

**ALESIS  
MASTERLINK**

The Alesis MasterLink ML-9600 offers a comprehensive mastering solution by combining a built-in 4.3 GB hard disk recorder, mastering tools and a CD burner in a single package. Now you can eliminate all those extra steps editing your playlists using a computer editor or DAT machine. **Features:** edit fade-ins/fade-outs and cropping; record and play with up to 24-bit, 96 kHz resolution; multiple sample rates (44.1, 48, 88.2 and 96 kHz); 16 play lists each with up to 99 songs; DSP editing functions such as compression and peak limiting; balanced XLR and unbalanced RCA analog I/O; digital AES/EBU and S/PDIF I/O.

ML9600 CD recorder with 4.3 GB hard drive  
Mfr. List \$1,699.00 **ONLY \$1,399.00**

**HHB  
CDR80S**

This HHB 79 minute 59 second CDR is 12X certified, with Phthalocyanine dye and silver reflective layer. It's optimized for professional audio applications.

CDR80S 79 min recordable CD, silver, 12X certified  
**ONLY \$1.37**



**MITSUI  
CDR74GOLD**

This Mitsui 74 minute CDR is 12X certified, with Phthalocyanine dye and gold reflective layer. Test results proved ideal performance in all types and speeds of CD-R readers and writers.

CDR74GOLD 74 min recordable CD, gold, 12X certified  
**ONLY \$2.29**



**MICROBOARDS  
CDR80ZYPA**

This Taiyo Yuden 80 minute CDR is 16x certified, with Super Cyanin dye and silver reflective layer. It is compatible with virtually every consumer and pro audio CD player.

CDR80ZYPA 80 min recordable CD, silver, 16X certified  
**ONLY \$5.89**



**BSW  
CDBOX**

Standard size replacement for broken CD Jewel cases.

CDBOX cd jewel box with tray **ONLY \$4.42**



**AMERICAN RECORDER  
CD101P**

CD cleaner kit: 1 oz. cleaning fluid, 3 cleaning pads, 1 cleaning handle, 1 cleaning pad brush.

\*CD101P manual CD cleaner  
**ONLY \$7.00**



**CD103A**

Disc cleaning fluid. 1 oz. spray bottle.

\*CD103A CD-DVD cleaning fluid  
**ONLY \$5.00**



**DISCWASHER  
FG1107**

CD laser lens cleaner includes fluid and replacement pad.

FG1107 CD laser lens cleaner  
**ONLY \$14.00**



**STEALTH FG1112**

Rotary-action CD cleaner with fluid.

FG1112 rotary CD cleaner  
**ONLY \$16.00**



**FG1163**

Fluid, polish and applicators to remove scratches from your CDs.

FG1163 CD repair kit  
**ONLY \$9.00**



**DAT Recorders**

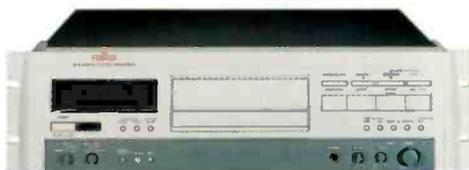
**EVENTIDE  
VR204**



This four-channel digital logger is extremely easy to use, and because of its superior audio quality and low cost, is the perfect logging tool for radio stations in any market. **Features:** records more than 500 hours (20+ days), divided among up to 4 channels, on a single DAT tape; built-in hard disk memory module which allows continuous recording while the tape is playing back an earlier segment, or even if the tape runs out (when the tape resumes recording, the content of the hard disk is transferred to tape, maintaining the complete recorded log); built-in passcode security matrix; up to 4 special event flags that allow you to mark and retrieve important segments as they are recorded.

\*VR204 4-channel DAT audio logger Mfr. List \$7,495.00 **ONLY \$6,818.00**

**FOSTEX  
D-5**



The D5 provides cost-effective DAT mastering with useful professional features. **Features:** three selectable sample rates and long play mode for up to 4 hours record/play time; 300-times max-speed locate and search; ID and TOC functions give you CD-style track information and audio locating. Operators and engineers alike will appreciate the lack of copy ID, the balanced analog I/O, the AES/EBU and S/PDIF digital I/O and a 5-pin DIN connector for wiring remote control functions.

\*D-5 DAT recorder Mfr. List \$999.00 **ONLY \$845.00**

**SONY  
PCM-R300**



This low-cost rack mount DAT recorder utilizes Sony's Super Bit Mapping (SBM) technology for superior sound quality. SBM converts the audio signal from 20-bit resolution A/D into 16-bit signals, allowing it to be recorded to a standard DAT. It incorporates much of the technology used in previous DAT recorders with many new features, including a set-up menu for preference selection with switchable ID6 mode (SCMS). **Features:** center mounted transport; supports 32 kHz, 44.1 kHz and 48 kHz sampling rates; A/D and D/A monitoring modes; auto head cleaning; unbalanced RCA analog I/O; S/PDIF digital I/O.

PCMR300 DAT recorder Mfr. List \$1,025.00 **ONLY \$699.00**

**SONY  
PCMR500**



This machine is a full-function professional DAT machine. **Features:** high-reliability transport with 4 direct drive motors; jog/shuttle dial for easy operation; high S/N ratio with Super Bit Mapping recording function; 8-pin parallel remote control port; wireless remote control; independent L/R recording level controls; balanced XLR and unbalanced RCA analog I/O; AES/EBU and coaxial digital I/O.

PCMR500 DAT recorder Mfr. List \$1,765.00 **ONLY \$1,199.00**

**TASCAM  
DA20MKII**



The DA-20MKII is an affordable rack mount recorder with Tascam's reliability and great-sounding audio. **Features:** sampling monitor function; Auto ID detection level switching; error rate display function; supports 32, 44.1 and 48 kHz sampling rates; long play mode for up to 4 hours of recording and playback; defeatable SCMS code; full-function wireless remote control; unbalanced RCA analog I/O; S/PDIF coaxial digital I/O.

DA20MKII DAT recorder Mfr. List \$1,060.00 **ONLY \$796.00**

**TASCAM  
DA302**



The DA-302 contains two DAT recorders built into one 3U rack mount unit. **Features:** up to 8 hours recording time on two decks; external control I/O for multiple unit operation; high-speed dubbing capability; append dubbing capability facilitates dubbing from any position on the master tape; continuous recording between deck 1 and 2; simultaneous record capability; independent S/PDIF digital I/O for each deck; digital output format selection (S/PDIF or AES/EBU); unbalanced RCA I/O; Options: balanced XLR analog I/O kit.

DA302 dual DAT recorder Mfr. List \$1,899.00 **ONLY \$1,424.00**

**TASCAM  
DA40**



Are you looking for a very robust and flexible DAT recorder with professional audio interface? Take a closer look at the DA-40 from Tascam. **Features:** data/shuttle that allows for high-speed cueing, quick program entry and fast locating; switchable automatic input calibration; supports 32, 44.1 and 48 kHz sampling rates; defeatable copy code (SCMS); long record mode; 15-pin parallel remote port; balanced XLR and unbalanced RCA analog inputs and outputs; AES/EBU and S/PDIF digital I/O. Options: wired remote control.

DA40 DAT recorder Mfr. List \$1,399.00 **ONLY \$1,099.00**

**HBB/SONY  
DAT MEDIA**



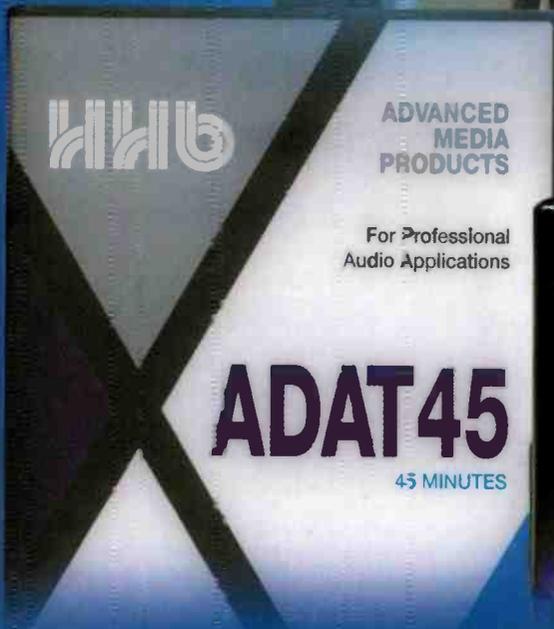
BSW carries high-quality DATs. Call today to order the quantity you need.

- DAT65 HBB 65 minute DAT **ONLY \$6.60**
- DAT95 HBB 95 minute DAT **ONLY \$8.00**
- DAT125 HBB 125 minute DAT **ONLY \$8.50**
- PDP65 SONY 65 minute DAT **ONLY \$6.60**
- PDP95 SONY 95 minute DAT **ONLY \$8.00**
- PDP125 SONY 125 minute DAT **ONLY \$8.50**

\* Non-inventory item subject to return restrictions.

# PRO MEDIA

RECORDABLE  
COMPACT  
DISC



ADVANCED  
MEDIA  
PRODUCTS

For Professional  
Audio Applications

## ADAT45

45 MINUTES

### HNB

#### ADAT/Hi-8 MEDIA

BSW carries ADAT and Hi-8.

ADAT45 HNB ADAT cassette, 45 min.  
Mfr. List \$11.40 **ONLY \$9.00**

DA113 HNB Hi-8 cassette, 113 min.  
Mfr. List \$15.50 **ONLY \$14.00**



### HNB

#### CDR80S



This HNB 79 minute 59 second CDR is 12X certified, with Phthalocyanin dye and silver reflective layer. It's optimized for professional audio applications.

CDR80S 79 min recordable CD, silver, 12X certified  
**ONLY \$1.37**

### MITSUI

#### CDR74GCLD



This Mitsui 74 minute CDR is 12X certified, with Phthalocyanin dye and gold reflective layer. Test results proved ideal performance in all types and speeds of CD-R readers and writers.

CDR74GOLD 74 min recordable CD, gold, 12X certified  
**ONLY \$2.29**

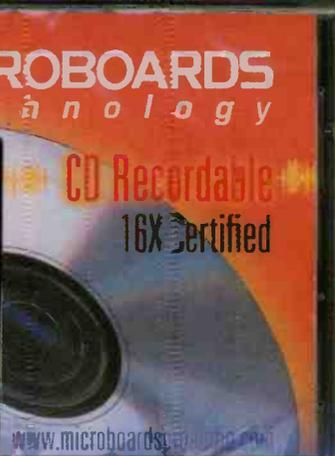
### BSW

#### CASSETTE MEDIA



BSW carries high-quality cassettes tapes in two grades. Call today to order the quantity you need.

VC10	voice-grade 10 min.	<b>ONLY \$ .57</b>
VC20	voice-grade 20 min.	<b>ONLY \$ .61</b>
VC60	voice-grade 60 min.	<b>ONLY \$ .78</b>
VC90	voice-grade 90 min.	<b>ONLY \$1.00</b>



### MICROBOARDS

#### CDR80ZYPA

This Taiyo Yuden 80 minute CDR is 16x certified, with Super Cyanin dye and silver reflective layer. It is compatible with virtually every consumer and pro audio CD player.

CDR80ZYPA 80 min recordable CD, silver, 16X certified  
**ONLY \$ .89**



### HNB/MEMOREX

#### MD MEDIA

BSW carries high-quality recordable MiniDiscs.

MD74	HNB MiniDisc, 74 minutes	<b>ONLY \$3.24</b>
Mfr. List \$6.45		
MD74MEM	Memorex MiniDisc, 74 minutes	<b>ONLY \$2.00</b>
Mfr. List \$2.79		
MD74MEM20	Memorex MD bulk pack - 20 MOs	<b>ONLY \$33.00</b>
Mfr. List \$34.99		



### HNB/SONY

#### DAT MEDIA

BSW carries High-quality DATs. Call today to order the quantity you need.

DAT65	HNB 65 minute DAT	<b>ONLY \$ 6.60</b>
DAT95	HNB 95 minute DAT	<b>ONLY \$ 8.00</b>
DAT125	HNB 125 minute DAT	<b>ONLY \$ 8.50</b>
PDP65	SONY 65 minute DAT	<b>ONLY \$ 6.60</b>
PDP95C	SONY 95 minute DAT	<b>ONLY \$ 8.00</b>
PDP125C	SONY 125 minute DAT	<b>ONLY \$ 8.50</b>



### AMPEX

#### REEL-TO-REEL MEDIA

BSW carries high-quality reel-to-reel tapes in different lengths. Call today to order the quantity you need.

406151131	1/4"-1200' 7" plastic reel	<b>ONLY \$9.00</b>
Mfr. List \$16.00		
40617313J	1/4"-2500' 10-1/2" metal reel	<b>ONLY \$24.00</b>
Mfr. List \$41.00		
40617613T	1/4" x 2500' 10-1/2" pancake	<b>ONLY \$13.00</b>
Mfr. List \$20.00		
456151111	1/4"-1200' 7" plastic reel	<b>ONLY \$11.00</b>
Mfr. List \$20.00		
45617311J	1/4"-2500' 10-1/2" metal reel	<b>ONLY \$29.00</b>
Mfr. List \$46.00		
45617611T	1/4"-2500' 10-1/2" pancake	<b>ONLY \$16.00</b>
Mfr. List \$25.00		



MiniDisc Recorders



**DENON**  
**DNM991R SERIES**

For state-of-the-art recording and playback, the DN-M991R cart-style MiniDisc machine from Denon offers exacting playback functions and the highest quality audio. **Features:** Hot Start function (load up to 10 tracks into memory); program play with up to 25 tracks; shock memory; keyboard terminal for remote operation and titling; auto level record start; auto track increment (digital or analog); Pre-UTOC function for saving your recordings in case of power failure; relay recording for continuous recording to another DN-M991R; records stereo or mono (74 min stereo, 148 min mono); editing capabilities that include 2 levels of undo and redo; SCMS option (on/off); rotary track selector knob; instant start (less than 0.01sec); auto cue to music; single/all repeat; selectable pitch ( $\pm 8\%$ ); cue search (up to 5 cue points per track); 86 frames per sec. for precise cueing/ editing; fader start/pause; user adjustable presets; headphone jack; balanced AES/EBU digital I/O; balanced XLR analog I/O; parallel remote port, 25-pin D-sub; RS-232C/422A serial port w/terminator switch. Options: wired remote.

The DN-M991RM adds enhanced features by updated ROM: Record Lock Out – locks out the record function for "On Air" playback; Skip Search – provides 5 min. skip search increments for long track cueing or editing; fast title scroll speed; long name text – allows for quick rescroll of current display; Visual End of Message – visual indication by text display when a track is about to end.

- DNM991R    minidisc recorder                    Mfr. List \$2,299.00    **ONLY \$1,999.99**
- DNM991RM    minidisc recorder with advanced feature set    Mfr. List \$2,499.00    **ONLY \$2,175.99**



**DENON**  
**DNM1050R**

Denon's DN-M1050R recorder allows you to take maximum advantage of the MD format. **Features:** front panel control input for PC keyboard; auto level record start; auto track detection; U-TOC writing; excellent editing functions (divide, erase, combine, move, track name, disc name and undo); track search select knob; jog/shuttle wheel with 1 frame precision; 25-track program play; instant start; play modes including continuous, single and A-B; auto cue;  $\pm 9.9\%$  pitch control in .1% increments; external control terminals (RS-232C/422A switchable, D-Sub 9 pin and D-Sub 25 pin); defeatable SCMS coding; balanced XLR analog I/O, unbalanced RCA analog I/O, AES/EBU digital I/O and S/PDIF digital I/O. Options: Hot Start kit for up to 20 tracks (available via third-party manufacturer).

- DNM1050R    minidisc recorder                    Mfr. List \$1,999.00    **ONLY \$1,599.00**



**DENON**  
**DNM2000R**

The DN-M2000R minidisc machine for disc jockeys provides a wealth of useful features, such as a slider that controls speed, a pitch bend function that controls the beat, a seamless loop playback function and Hot Start play. **Features:** jog dial search by frame or second; Auto Cue; Hot Start for up to 5 tracks; A-B seamless loop; pitch control in .1% steps up to 8%; instant playback; program play up to 25 tracks; instant recording; Auto Track Increment; U-TOC writing; editing functions such as divide, combine, move and erase; headphone output; unbalanced RCA analog I/O; S/PDIF digital input.

- DNM2000R    minidisc DJ recorder                    Mfr. List \$699.00    **ONLY \$549.99**



**DENON**  
**DN045R**

This unique machine performs digital-to-digital MiniDisc dubs, bypassing the ATRAC compression circuit and preserving the quality sound of the original MD. **Features:** automatically defragments data from a fragmented disc so the dubbed copy will have a single, uninterrupted string of data; dubs can be made up to 3.5 times faster than real time; Windows® software is provided to allow MDs to be edited during replication through the RS-422A/232C serial interface board. Note: This machine does not record from an external audio source. Internal dubbing only.

- \*DN045R    mini disc duplicator                    Mfr. List \$4,200.00    **ONLY \$3,349.00**



**SONY**  
**MDSB5**

Sony's third-generation studio MD machine sets a new standard for professional performance. **Features:** Direct Duplication Link allows you to make a complete copy of compressed signals at high speeds. It's also effective for eliminating fragmentation on heavily edited discs; RAM-TOC edit lets you save your edited recording to a master disc and also conduct temporary editing of a pre-mastered disc; recording times of up to 148 minutes (mono); machine can be controlled via supplied wired remote commander, an IBM keyboard, RS232C, GPI and more; Hot Start up to 10 tracks by using the supplied remote commander, PC keyboard or parallel remote port;  $\pm 12.5\%$  vari-speed; balanced XLR analog I/O; AES/EBU and S/PDIF digital I/O.

- MDSB5    minidisc recorder                    Mfr. List \$3,600.00    **ONLY \$2,736.00**



**SONY**  
**MDSJB940**

Sony's low priced MiniDisc recorder has a PC keyboard input for typing disc and track names as well as a high-resolution 24-bit A/D converter. **Features:** ATRAC Type "R" digital signal processing; editing functions with divide, combine and move tracks, and undo last edit; Scale Factor edit; CD text and custom file transfer via control A-1 II; playback pitch control; coaxial and optical digital I/O, much more. Call today for more information on this Sony recorder.

- MDSJE940    minidisc recorder                    Mfr. List \$480.00    **ONLY \$339.00**
- RK7    rack kit                    Mfr. List \$43.00    **ONLY \$36.00**



**SONY**  
**MDSJE440**

**NEW**

The MDS-JE440 is a low cost, high sonic-quality Sony MiniDisc recorder. It incorporates the latest ATRAC™ technology and will provide excellent value for digital recording applications. **Features:** Wide Bit Stream technology; ATRAC circuitry – Type R; 8x digital filter; 24-bit A/D converter; gold-plated inputs/outputs; sampling rate converter; jog dial; music scan; Shuffle Play/Program Play; Repeat Play (1/All/A-B); name disc/track; time machine recording: 6 sec.; editing features; much more.

- MDSJE440    minidisc recorder                    Mfr. List \$250.00    **ONLY \$219.00**
- RK7    rack kit                    Mfr. List \$43.00    **ONLY \$36.00**

\* Non-inventory item subject to return restrictions.

# SONY

# MD

## The first two call letters you'll want to remember.

**MDS-E10 Pro MiniDisc Recorder** ¥ Introducing the MDS-E10, a 1U-high rack-mountable pro MD recorder offering advanced technology with excellent audio performance, and utilizing the newest ATRAC-"R" circuitry. It has SPDIF and optical digital I/O as well as unbalanced analog I/O. Its many features include 10 programmable Hot Starts, auto cue and auto pause, vari speed and a PC keyboard input. In addition to basic editing, the MDS-E10 adds RAM Edit, A-B Erase capabilities and long-record in the ATRAC-3 Record mode. A sound performer for any studio.

**MDS-E12 Pro MiniDisc Recorder** ¥ A new addition to the MiniDisc lineup, the MDS-E12 offers all the great features of the MDS-E10 plus some major extra step-up features such as: balanced analog XLR I/O; RS-232C Serial Interface; a Parallel Control Port (GPI); and Control of Record Play relay, which allows multiple units to be cascaded for sequential play or record operation. It's the step-up your studio needs.

**MZ-B50 MiniDisc Portable Recorder/Player** ¥ This recorder means business, combining the excellent sound quality of digital technology with the portable size and convenience of the MiniDisc format. It's the perfect recorder to take on the road for on-location interviews and remote news coverage. Features include a built-in stereo microphone and speaker, remote control index marking for quick search, Voice Operated Recording (VOR) and a long recording time of up to 148 minutes in mono.

**MDS-B5 MiniDisc Recorder/Player** ¥ This half rack model is for professional use, maximizing the advantages of MD media, ATRAC and memory technology. The Direct Duplication Link allows you to make a complete copy, including text at 4x speed, and the RAM-TOC Edit lets you decide whether or not to save your edited recording. Hot Start up to 10 tracks and select the next track for playback while listening to the current selection. It's an MD must-have for any radio station.

**MZ-R70 MiniDisc Walkman® Recorder** ¥ Travel-sized and ready-to-go, this MD Walkman recorder slips easily into a jacket pocket for the ultimate portable playback and recording unit. It features automatic and manual digital record level controls. It has dual headphone jacks, provides up to three hours of recording time on a single AA alkaline battery, and includes remote control with edit functions and titling. It also includes a built-in Sampling Rate Converter and a supplied Digital Connecting Cable for connecting to a preamp, CD or DAT machines, making this model the perfect choice to travel from studio to location.

The first two call letters you'll want to remember for your radio station are MD; and the first company to think of for MD is Sony. You already know the many benefits that the space-saving, shock resistant MiniDisc format provides such as instant access to tracks, fast editing and the ability to rerecord over a million times. What you may not know is that Sony offers a complete line of MiniDisc products that feature the latest generation of ATRAC which allows for better sonic performance than any of the previous generation of MD units. So make the call for MD at 1-800-426-8434.



MDS-E10



MDS-E12



MZ-B50



MDS-B5



MZ-R70

[www.sony.com/proaudio](http://www.sony.com/proaudio)



MiniDisc Recorders

# Maximize Your Sound with MiniDisc from TASCAM

MiniDisc is one of the most convenient two-track digital recording and playback systems available today. Designed for use in radio broadcast applications, live theater, concert halls, and any other installation where easy-to-use random access capability is required, TASCAM's MD-301mkII and professional MD-801RmkII offer the digital advantages your facility needs. Available from BSW today.

## MD-301mkII/MD-801RmkII Overview

- XLR Balanced and RCA unbalanced analog I/O
- S/PDIF optical I/O
- AES/EBU digital I/O and Word Sync In/Thru (MD-801RmkII)
- Onboard sample rate converter
- Programmable fade in/out capability
- Repeat play, shuffle play and program (up to 25 tracks) modes
- Versatile editing functions w/ undo
- Parallel port and Serial control port (MD-801RmkII)



www.tascam.com

**TASCAM**  
a whole world of recording



## SONY MDS-E10/MDS-E12

The MDS-E10 is a professional MiniDisc recorder designed to set a new standard for value, with an impressive price/feature set. Sporting a 1U high design, the MDS-E10 packs a lot of performance in a small package, including improved editing features, "Hot starts, pitch control, long play/record mode and a PC keyboard input for title entry. **Features:** high-quality 24-bit A-D/D-A converters; Wide Bit Stream technology for yielding 20-bit precision onto 16-bit media; ATRAC type "R" intelligent re-sampling of the encoded signal results in even more accurate sound quality; long play/recording mode; 10 multi-access "Hot Start" memories; variable-speed function  $\pm 12.5\%$ ; PS/2 keyboard input, which allows easier access to remote and track/disc titling functions; Time Machine records the first 6 seconds of a recording, even before you press "Record"; Scale Factor Edit allows relative levels of various tracks to be changed after recording takes place; auto cue, auto pause and next track select; auto track marking; Control-S input for supplied wired/wireless remote; large, easy-to-read fluorescent display; unbalanced RCA analog I/O, coaxial and optical digital I/O. No broadcast remote control capabilities.

The new MDS-E12 replaces the long successful MDS-E11 as the high-end staple, professional MD model, which will find its way into the hands of radio and production professionals. It includes all of the features and functions of the MDS-E10 and adds control interface capability (RS-232C and DB-9 for broadcast remote control capability), plus record/play relay control I/O and balanced analog XLR I/O.

MDSE10	minidisc recorder with RCA I/O	Mfr. List \$599.00	<b>ONLY \$459.00</b>
MDSE12	minidisc recorder with XLR I/O	Mfr. List \$899.00	<b>ONLY \$699.00</b>



## TASCAM MD301MKII/MD801RMKII

Conveniences for the broadcaster abound on the MD-301MKII MiniDisc recorder. There are timer record/play, auto track and sync record functions and many program play options. Editing is easy with divide, combine, erase, move, title and undo. The MD-301MKII offers a front-panel keyboard connection (PS/2) for text editing. **Features:** 20-bit AD/DA converters, sample rate conversion facility for digital inputs, ATRAC compression; balanced XLR and unbalanced RCA analog I/O; wireless remote control.

The MD801MKII is a high-end 3U recorder incorporating a "jog" dial and is capable of editing increments as fine as 1/86th of a sec. **Features:** Word Sync In/Thru; On-board Fs converter; analog output trim control; 20-bit A/D and D/A converters; End of Message notification; up to 12 track instant playback; equipped with IF-8FR remote connector; XLR and RCA analog I/O; digital AES/EBU and S/PDIF I/O; RS232C serial and parallel Interface.

MD301MKII	minidisc recorder	Mfr. List \$585.00	<b>ONLY \$469.00</b>
MD801RMKII	minidisc recorder	Mfr. List \$2,699.00	<b>ONLY \$2,199.00</b>

## HNB/MEMOREX MD MEDIA

BSW carries high-quality recordable MiniDiscs.

MD74	HNB minidisc, 74 minutes	Mfr. List \$6.45	<b>ONLY \$3.24</b>
MD74MEM	Memorex minidisc, 74 minutes	Mfr. List \$2.79	<b>ONLY \$2.00</b>
MD74MEM20	Memorex MD bulk pack - 20 MDs	Mfr. List \$34.99	<b>ONLY \$33.00</b>



\* Non-inventory item subject to return restrictions.

Portable Recorders



**DENON**  
**DN-F20R**

The DENON DN-F20R portable IC recorder uses up to two IC memory cards as the recording medium, doing away with cumbersome mechanisms and enhancing reliability. Recordings on the DN-F20R are created as sound files in MPEG format, the international standard, which can be ported to a PC for editing and manipulation. Features include: accepts up to 192MB CF media; selectable sampling rate of 24 kHz or 48 kHz; selectable bit rate of 16 kbps to 128 kbps (MPEG) for best audio quality versus recording time; 2 memory card slots for extended playback/recording; supports MPEG 1, MPEG 2 as well as linear PCM (.wav); stereo or mono recording; duplicates media from drive to drive; able to make 2 master recordings at once; up to 9,990 tracks are possible within ten sub-folders; built-in monitor speaker; stereo XLR mic inputs; mic limiter, attenuator and low-cut filter switches; RCA inputs and outputs; H/P jack w/volume control; runs on 6"AA" batteries or supplied AC adaptor.

DNF20R portable flash recorder Mfr. List \$1,299.00 **ONLY \$1,174.99**



**MARANTZ**  
**PMD680/PMD690**

These rugged and compact digital recorders are specially designed for high-quality voice recording. They use flash memory PC cards that come in a variety of sizes. A 440MB card for example, provides you with up to 27 hours of MP2 audio or 1.5 hours .wav file uncompressed audio (cards sold separately). Highly reliable PC cards contain no moving parts and are impervious to temperature and shock. Features: compatible with compact flash (using an adaptor) and ATA-size PC cards; saves files as .mp2, .bwf or .wav; time/date generator; marking points; manual or auto record level control; built-in mic and speaker; 2-seconds pre-record buffer (continuously records audio before record button is pushed); balanced XLR and 1/4" microphone input (with -15/-30 dB attenuator); RCA I/O; coaxial digital output; telephone jack for phone recording/playback.

The PMD680 is a mono recorder.

The PMD690 is a stereo recorder.

PMD680 portable mono flash recorder Mfr. List \$1,249.00 **ONLY \$1,054.00**

PMD690 portable stereo flash recorder Mfr. List \$1,499.00 **ONLY \$1,265.00**

Record on  
MD and Transfer  
Directly to PC



**HNB**  
**MDP500**

HNB's new rugged PORTADISC MDP500 minidisc recorder uses ATRAC compression to ensure optimum sound quality. Sonic performance is further enhanced by a high-quality balanced microphone input circuit, which also features switchable phantom power, limiting and ganging. Power is supplied by "AA" alkaline batteries or by rechargeable Nickel Metal Hydride batteries (supplied), delivering up to 4 hours recording time. A universal 100V-240V charger is also supplied. Connectivity is comprehensive, including balanced XLR mic/line inputs, RCA phono line outputs, headphone jack and coaxial and optical S/PDIF digital I/Os. Of particular interest to radio journalists will be the provision of a USB interface for the real-time transfer of files to laptop editing systems. Basic editing functions are also available on the PORTADISC itself. The PORTADISC is housed in a tough, shockproof case with a large, illuminated display and a built in monitoring speaker and back-up microphone. A memory buffer delivers glitch-free recording on the move, and a 6 second pre-record buffer ensures that the sound recordist never misses a take. Additional features include automatic gain control, one touch recording, auto start/cut, time/date stamp and more.

MDP500 portable minidisc recorder  
Mfr. List \$1,545.00 **ONLY \$1,495.00**



**MARANTZ**  
**PMD650**

The PMD650 has been designed from the ground up as a professional portable MiniDisc recorder. The PMD650 offers a full complement of analog and digital I/Os to suit a wide variety of applications. The coaxial digital input with sample rate converter can be used to record from digital sources with sample frequencies of 32, 44.1 and 48 kHz. An XLR digital output (S/PDIF) offers the flexibility to transfer the recorded digital data to other professional equipment. The PMD650 also includes the latest generation mechanism and a 20-second stereo recording buffer. Features: balanced XLR stereo microphone inputs equipped with professional-level mic preamps; switchable 48-volt phantom power; mic inputs switchable to line level; built-in microphone and loudspeaker; edit and playback functions.

PMD650 portable minidisc recorder Mfr. List \$1,249.00 **ONLY \$1,054.00**



**SONIFEX**  
**COURIER**

Courier is a compact, digital audio recorder that uses removable PCMCIA disks (PC cards) to store from 11 minutes to 18 hours of high quality digital audio. Features: recordings can be uncompressed (.wav) or MPEG layer II compression; confidence monitoring; autolock for continuous recording; uses standard rechargeable camcorder-type batteries (adaptor/charger included); two mic/line level inputs (stereo or dual mono) with level control; LED display; built-in audio transfer via standard telephone lines or optionally via ISDN at up to 64 kbps (model COISDN only); on-board non-destructive editing capabilities. Memory cards sold separately.

\*COSTD portable flash recorder Mfr. List \$2,675.00 **ONLY \$2,433.00**

\*COISDN portable flash recorder w/ ISDN interface Mfr. List \$3,750.00 **ONLY \$3,409.00**

**NEW**

Portable Recorders

Great Combination: MiniDisc Recorder and XLR Mic Inputs



**SONY**  
**MZR70**

Sony's smallest ever MD machine now fits in the palm of your hand. The amazing recorder has a wired remote control with editing functions and runs on battery or AC power. Features: dual headphone jack; digital record level control; internal battery compartment holds one "AA"-type battery; "AA"-type Ni-Cd rechargeable battery included; 40-second shock resistant memory; high-quality recording with digital automatic gain control; sample rate converter; AC adaptor and digital connecting cable supplied.

MZR70 portable minidisc recorder Mfr. List \$279.95 **ONLY \$209.00**

**PMI**  
**MD REPORT JUNIOR**

The MD Report Junior offers an easy professional upgrade for your portable MiniDisc or DAT recorder. Simply connect your device, keep it in place with the supplied harness, and your portable is now able to operate at a professional level with high-quality XLR mic preamps. Features: two balanced stereo inputs on Neutrik XLR connectors; 48-volt phantom power; adjustable mic gain; headphone amp with level control and nylon carry bag.

MDJR portable recorder interface with XLR I/O Mfr. List \$399.00 **ONLY \$299.99**



**SONY**  
**PCM-M1**

Sony's most advanced, lightweight and compact portable pro DAT, the PCM-M1 offers 3.5 hours of recording time with supplied NiMH batteries (2.5 hours on standard alkaline batteries). Features: recording margin indicator to monitor peak levels during recording; improved internal microphone circuitry; automatic/mic limiter and manual recording level control plus two AGC modes; stereo mini mic/line input; stereo mini line output. Options: digital I/O.



PCM-M1 portable DAT recorder Mfr. List \$1,040.00 **ONLY \$818.00**

**TASCAM**  
**DAP-1**

Looking for a powerful tool for in-the-field reporting? This portable DAT recorder offers Tascam's quality electronics and high-end features in an extra strong, durable case. The DA-P1 has two heads and two direct drive motors, giving it one of the best transports in its class. And the audio is flawless. State-of-the-art A/D and D/A converters give it superb sound quality. Features include: 32, 44.1 and 48 kHz sampling rates; quick-charge battery system with 2 hour record/play time; switchable phantom power; switchable mic limiter and 20 dB pad; high-impact metal reinforced casing; balanced XLR mic/line and unbalanced RCA line inputs; unbalanced RCA outputs; S/PDIF digital I/O with SCMS free recording. Options include: external charger (CBD1) and handy carrying case (CSD1).



DAP1 portable DAT recorder Mfr. List \$2,099.00 **ONLY \$1,649.00**

**ACE**  
**KEB CARRYING BAGS (SEE ALSO PAGE 100)**

KEB20 7.5"x9.5"x2" carrying bag Mfr. List \$25.00 **ONLY \$21.00**

KEB22 9.5"x12.5"x3" carrying bag Mfr. List \$25.95 **ONLY \$22.00**



Hard Disk Recorders/Digital Delivery



**ARRAKIS**  
**DIGILINK IV**

Digilink IV (DL4) allows you to store programming on hard disk and automate audio playback as well as control satellite feeds and live broadcasts with the help of your Windows computer. The DL4 is ideal for a 2-studio radio station with On-Air and Production/Scheduling studios. With simultaneous triple play and record, the On-Air studio has dual overlapping play of audio while the Production/Scheduling studio features play and record. Two Studio System Components: (1) DL4 Workstation with 3 Play, 1 Record, 105 hours audio; 7-input play switcher; 7-input record switcher; (1) Automation Software (for On-Air studio); (1) Scheduling Software (for Production/Scheduling studio).

\*DL4STD2 two studio system Mfr. List \$7,995.00 **ONLY \$7,615.00**

**ARRAKIS**  
**DIGILINK III**

Arrakis Digilink III is a multipurpose digital audio workstation for satellite and hard disk automation as well as on-air or live assist applications and audio production. Features: two separate audio outputs and the ability to triple play and record; works with all satellite services and DL4 interface; ideal for hard disk automation; 40 clocks and 40 jocks; 1500 timed records per week; Smart Squeeze and Auto Fill adjust sets to match break times; powerful live assist feature. Basic systems feature specified stereo audio storage, a VGA color monitor, keyboard and mouse. Trak\*Star editing software included.

\*DL3-150 150-hour automation storage system Mfr. List \$11,995.00 **ONLY \$11,424.00**

\*DL3-78 78-hour automation storage system Mfr. List \$9,995.00 **ONLY \$9,520.00**

\* Non-inventory item subject to return restrictions.

**Hard Disk Recorders/Digital Delivery**



**360 SYSTEMS  
SHORT/CUT**

Short/Cut Editor replaces two-track reel-to-reel tape machines for fast editing of single or dual channel audio. It offers all the features you'll need to capture and edit audio for talk radio, call-in clips, news actualities, promos and spots. Features: split-second editing; familiar tape recorder interface; high-resolution waveform display; real-time editing including cut, copy, insert, erase; insert record; crossfades; fade-in/fade-out; gain changes and ramping; one-touch instant record captures incoming audio in any mode; title and cut select with built-in keyboard; assign cuts or edited clips to 10 Hot Keys per Directory; 10 Directories with password-protect; internal hard disk stores 4 hours of audio; optional external Zip® drive for low-cost copies and archival; reads and writes .WAV, .BWF and .AIFF files on MAC or PC disks; weighs only 12 pounds (with built-in speakers, headphone amp and a mic level input, it makes a very portable workstation); built-in D-NET File Transfer Network capability lets you transfer finished audio to DigiCart/II's and Instant Replays; balanced XLR analog I/O (left channel input is switchable mic/line level); AES/EBU digital I/O; IEC-958/II input; D-NET output.

The Short/cut travel bag is fully padded providing protection and convenience.

<b>SC180-3</b>	<b>Short/cut audio editor - 4 hours audio storage</b>	Mfr. List \$3,495.00	<b>ONLY \$2,966.00</b>
<b>SCZIPDRIVE</b>	<b>Zip drive for 360 Systems SC180-3</b>	Mfr. List \$199.00	<b>ONLY \$178.00</b>
<b>GBTSPC</b>	<b>travel bag for 360 Systems SC180-3</b>	Mfr. List \$110.00	<b>ONLY \$108.00</b>



**Now with Top and Tail Editing**



**360 SYSTEMS  
INSTANT REPLAY**

Instant Replay® re-defined the term Hot Keys, with an easy-to-use control panel that offers rapid fire playback of 50 cuts, ordered in 10 different banks. Now Instant Replay 'Dash E' expands your ability to select the exact audio bite, or portion of an audio file that you want with "Top and Tail" trim editing. Up to 24 hours of stereo audio can be stored on Instant Replay's self-contained hard drive. Features: stores up to 1,000 audio cuts of various lengths; records with a start on audio feature for tight starts; "top and tail" editing of sound files; built-in keyboard locates cuts by name/number; ten banks of 50 Hot Key buttons (find a cut by typing its name or ID number, or, if it has been assigned to one of the 50 Hot Keys, just hit its associated key for absolute instant access); internal hard disk stores 24 hours of random access audio; external parallel port for outboard removable storage drives or to print cut lists, bank maps, playlists and legend overlays to label Hot Keys; jump from one cut to another with completely seamless transitions; audio cuts can also be selected as part of a play list for sequential playback; different play lists can be stored for each of the 10 banks, and can be recalled for playback or editing at any time; built-in D-NET File Transfer Network capability lets you transfer audio files, including the cut names and running times to DigiCart/II's or other Instant Replays; balanced XLR analog I/O; AES/EBU digital I/O.

<b>DR554-E</b>	<b>Instant Replay with 24 hour storage</b>	Mfr. List \$3,250.00	<b>ONLY \$2,758.00</b>
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**NEW**

**Get the Complete BSI Digital Delivery Software Suite for Only \$1999.00!**

Order the BSI ONAIRSUITE: Includes all 4 titles (WAVESTATION30, WAVECART30, STINGER20 and SPEEDY30)

**BSI  
WAVESTATION 3.0**

WaveStation is state-of-the-art on-air digital audio automation software for radio stations. It's easy to operate and runs on an ordinary PC equipped with Microsoft Windows® (95, 98, 2000 or NT). It utilizes Microsoft standard audio files (compressed or non-compressed), MP2, MP3 files (via CODEC), and TM Century files. Wave Station can run entirely automated or as a live-assist system and will easily interface with your satellite receiver for satellite automation. It can import program log data from virtually any traffic management or music scheduling system.

<b>WAVESTATION30</b>	<b>automation software</b>	<b>ONLY \$1,499.00</b>
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**WAVECART 3.0**

WaveCart software replaces radio station cart machines, providing you with lightning fast digital audio playback and true segues and overlap, even on a single audio card. It runs on any audio-equipped PC and can be controlled with your computer mouse, your keyboard or even the start button on your audio console. WaveCart is easily networked, allowing you to transfer audio files with their imbedded label information between PCs or even to other stations via e-mail.

<b>*WAVECART30</b>	<b>cart machine replacement software</b>	<b>ONLY \$299.00</b>
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**STINGER 2.0**

Stinger software provides instant playback of up to 288 PC audio files with thousands more audio files quickly available via a simple click of your mouse. Features: drag-and-drop loading of files to on-screen buttons; touch-screen compatibility or operation via PC keyboard; resizable main screen automatic button resizing; jocks can have their own custom file "collections"; individual cuts can be color-coded for quick recognition; uses standard WAV files compatible with files from WaveCart and WaveStation.

<b>STINGER20</b>	<b>instant playback software</b>	<b>ONLY \$199.00</b>
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**SPEEDY 3.0**

Speedy 3.0 is a professional automated CD-to-PC audio transfer system that allows you to quickly and automatically dub songs from CDs to your PC. Speedy 3.0 can trim unwanted silence from the front and back of files; normalize recorded levels and can even access multiple online CDDB audio databases to retrieve track titles and other album information automatically.

<b>SPEEDY30</b>	<b>instant playback software</b>	<b>ONLY \$199.00</b>
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<b>ONAIRSUITE</b>	<b>Includes all four software titles</b>	<b>ONLY \$1,999.00</b>
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# It's All About Personality.

Makin' Radio More Fun

## So check this out –

Instant Replay® puts 1,000 of your favorite noises right in front of you, ready for instant playback. No other audio player makes it so easy to be spontaneous and creative. It's fast, it's easy, and it's fun. Here's the deal. One Instant Replay can store over 24 hours of stereo sound. That's 24 hours of sound effects, spots, promos, even entire songs – anything – and you can play any of them back instantly by pressing one of 50 Hot Keys! There's no need for training. It's self-contained and works right out of the box – just push the buttons and go!



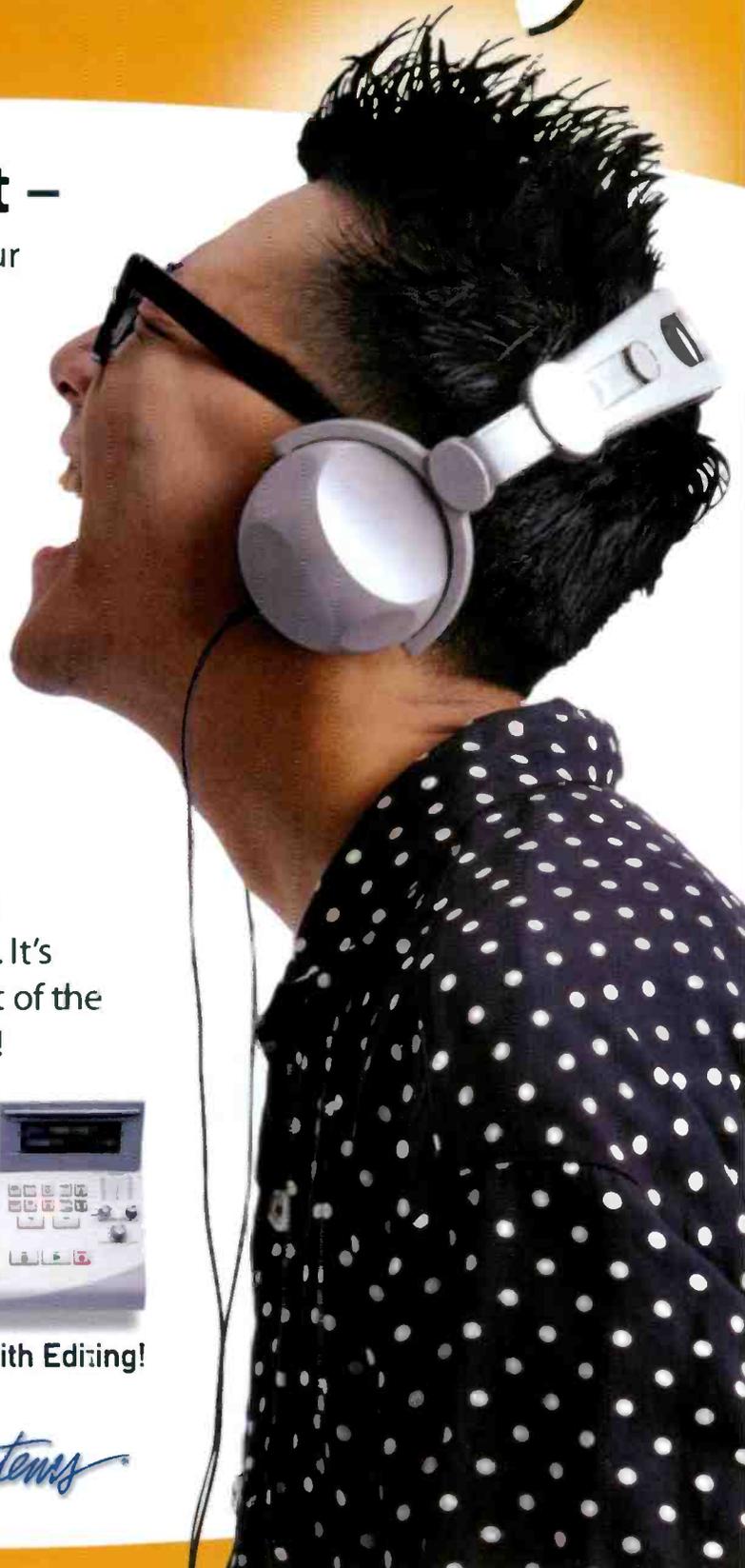
Now with Editing!

*360 Systems*

Log on

**360systems.com**®

Get  
the  
Story



Hard Disk Recorders/Digital Delivery



360 SYSTEMS DIGICART/II

360 Systems DigiCart/II Plus set the standard for cart replacement in television broadcast and radio production applications, featuring amazing performance options as well as a wide range of control choices. Features: flawless digital recording, either in linear mode or with Dolby AC-2 data reduction for extended times; stores up to 232 hours of stereo audio on internal hard disks and up to 48 minutes on each removable Zip disk; playback options range from locate and play of a single cut to automated play lists; RS-422 interface for TV master control automation; playlists range from simple strings of cuts selected "on-the-fly" to complex groups of linear or rotating stacks linked together; back-to-back playback of audio cuts is absolutely seamless; cuts can be cued up while a cut is being played back; non-destructive editing of heads, tails, fades and gain; balanced XLR analog I/O; AES/EBU and IEC-958 II digital I/O; GPI/O; RS-422; ext. sync reference; D-NET File Transfer Network for high-speed transfers of audio files between machines.

The RC205 mini-keyboard provides remote access to all control functions and makes cut labeling fast and easy. It also provides instant access to up to 104 "Hot" Key presets.

The RC210 play-only remote allows access to all playback functions, but prevents access to all destructive functions. It provides instant access to 16 "Hot Key" presets. Includes one 25 ft. (7.5m) 9-pin serial cable.

RC220 (not shown) is a full-function remote similar to the RC210.

The Digi/Cart travel bag is fully padded, with shoulder strap, padded carrying handle and outside pocket.

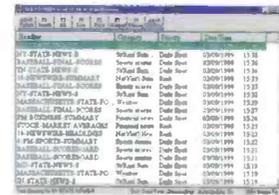
2750-15	hard disk recorder - 116 hours audio storage	Mfr. List \$4,495.00	<b>ONLY \$3,815.00</b>
2750-20	hard disk recorder - 154 hours audio storage	Mfr. List \$4,750.00	<b>ONLY \$4,242.00</b>
2750-30	hard disk recorder - 232 hours audio storage	Mfr. List \$4,995.00	<b>ONLY \$4,461.00</b>
RC205	mini-keyboard remote for 360 Systems 2750	Mfr. List \$130.00	<b>ONLY \$78.00</b>
RC210	remote control "playback only" for 360 Systems 2750	Mfr. List \$645.00	<b>ONLY \$577.00</b>
RC220	full-function remote control for 360 Systems 2750	Mfr. List \$795.00	<b>ONLY \$710.00</b>
GBTDC	digicart travel bag for 360 Systems 2750	Mfr. List \$105.00	<b>ONLY \$102.00</b>



TELOS 7000-0000

For real-time audio encoding, the Audioactive MPEG realtime encoder is the most professional solution on the market. This hardware and software system makes it easy to provide both real-time and stored audio streams for Internet and Intranet applications. The Telos Audioactive MPEG encoder provides outstanding audio quality and reliability. The hardware encoder is equipped with pro-grade A/D converters, balanced analog (XLR) or digital (AES/EBU) inputs and powerful DSP MPEG Layer 3 encoding in a rack-mount chassis. Outputs are TCP/IP or RS-232. Bundled as a complete streaming solution, it ships with the Audioactive NetSuite CD-ROM featuring the Audioactive Multimedia Driver, Microsoft NetShow Windows Media Server and the Audioactive Production Studio Pro. Pricing is economically based on a one-time purchase and not restricted by fees charged on a per-listener (per-stream) basis.

7000-0000	MPEG hardware encoder	Mfr. List \$2,800.00	<b>ONLY \$2,380.00</b>
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WIREREADY NEWSREADY32

NewsReady32 is a cutting edge, 32-bit Win95/NT newsroom system based on the original NewsReady and RadioReady Systems used by over 2500 radio stations. It integrates and organizes your wire services, news scripts, phone contacts, school closings, and audio bits all on the same screen and offers built-in word processing and audio editing. Digitally record and edit all your phone bits and automatically time-record all your satellite actuality feeds. Use with all Windows-compatible sound cards. Requires Pentium computer.

*WRNEWS321ST	Newsready32 software, single user	Mfr. List \$2,495.00	<b>ONLY \$2,157.00</b>
*WRNEWS32-10PK	Newsready32 software - 10user pak	Mfr. List \$9,995.00	<b>ONLY \$8,638.00</b>



WIREREADY MUSICREADY

Simple and affordable, MusicReady software lets stations record and store hundreds of songs, commercials, IDs, liners and other audio files on standard IDE or SCSI hard drives. The software package (SOMR1) includes audio cards. Features: supports multiple hard-drives; simultaneous play, record, overlap, crossfade and voice track with 3 audio cards. The MusicReady system runs on standard Pentium Win95/98 computers with 128MB RAM and ample drive space. If supplying your own computers, call WireReady for slot/setup requirements. Optional WireReady-built workstations are also available. Call for prices.

*SOMR1	Musicready software	Mfr. List \$5,995.00	<b>ONLY \$5,181.00</b>
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Modular Multitrack Recorders



360 SYSTEMS TCR8/TCR4

TCR8™ is a full-featured Master Recorder designed to produce the highest level of audio quality, coupled with rock-solid performance in professional timecode-based applications. Designed primarily for premium quality acquisition, mixdown and payout, the TCR8 will emulate most popular digital and analog VTRs and DAT machines. It's an ideal replacement for maintenance intensive tape-based multitracks as well. DVD-RAM is now included and provides a low cost, high-density archival solution that allows random access and real time audio payout of selected tracks. Features: large display with cut titles, status indicators and detailed menu prompts; supports all frame rates in both NTSC and PAL formats; sample rates extend from 44.1 kHz to 96 kHz; standard internal hard disk provides 2 hours of 8-track recording (optional drives can extend storage capacity to over 96 hours of track time); includes balanced XLRs for analog I/O; AES/EBU digital I/O; LTC and VITC; sync to word clock, AES black, or video reference signals; RS-422 P2 protocols for VTR emulation (emulates BVW-75, DVW-500 and PCM-7040); GPI/O; control I/O for keyboard titling and multi-machine remote control. Production/Editing: cut-copy-insert editing with tape-style scrub; jog/shuttle; auto locate; auto punch; read-modify-write; varispeed; crossfades; offsets; individual track slip; and more. Storage: supports hard disks of unlimited size; 9 GB drive included; front panel drive bay supports high-density SCSI removable disks and hard drives; rear panel SCSI allows use of external drive arrays; 250 MB Zip drive is included.

The TCR4 is an economical 4-track digital recorder with 9 GB hard drive.

TCR8	8-track recorder hard drive	Mfr. List \$5,995.00	<b>ONLY \$5,552.00</b>
TCR4	4-track recorder hard drive	Mfr. List \$4,995.00	<b>ONLY \$4,626.00</b>
*TCHD18	18 GB internal hard disk for 360 Systems TCR8/4	Mfr. List \$525.00	<b>ONLY \$520.00</b>
*TCHD36	36 GB internal hard disk for 360 Systems TCR8/4	Mfr. List \$1,095.00	<b>ONLY \$1,083.00</b>

\* Non-inventory item subject to return restrictions.

**Modular Multitrack Recorders**



**NEW**

**ALESIS  
ADAT HD24**

Designed and built exclusively for recording music, not data, the Alesis ADAT HD24 is the first hard disk recorder to match ADAT's legendary performance and affordability. The ADAT HD24 system features two hot-swappable drive bays (one drive is included for 40 minutes of 24-track recording), high 24-bit, 96 kHz resolution and easy integration into any existing ADAT system. Features: 44.1 kHz and 48 kHz internal sample rates; removable IDE computer drives; 24 analog inputs and outputs (+4 dBu, 1/4" TRS), 24 channels of ADAT optical I/O; MIDI I/O, MTC, O, Ethernet connection, ADAT Sync I/O; internal editing capabilities including cut, copy and paste; remote control.

\*ADATHD24 24-track hard disk recorder  
Mfr. List \$2,499.00 **ONLY \$1,999.00**



**TASCAM  
MX2424**

Tascam's most flexible multitrack recorder can provide 24 tracks of recording at up to 48kHz, or it can be switched into a 12-track 88.2 kHz or 96 kHz recorder. Also, the MX-2424 can record to Macintosh (SDII format) or PC (.WAV format) hard drives, allowing you to later export to the computer for other functions. Standard I/Os are two-channel S/PDIF and AES/EBU and balanced analog I/O. You may also install one of three optional 24-channel digital I/Os or analog I/O to customize the MX-2424 for your studio. It ships with a 9 GB internal drive, which equates to roughly 45 minutes of recording time across all 24 tracks. If that's not enough, you can slave more drives off the SCSI Wide port on the back panel, or build a drive into the front panel standard drive bay. The front panel can also be used to install an approved DVD-RAM drive for back-up, using increasingly affordable DVD-RAM media (optional). Features: unlimited virtual tracks; 100 levels of undo; non-destructive or destructive recording modes; SMPTE synchronization, Word Clock, MIDI time code and MIDI machine control; the included ViewNet MX software runs on either Mac or PC, and connects with standard ethernet lines to provide DAW style editing, as well as system set-up screens and virtual track management; AES/EBU and S/PDIF 2 channel I/O. Options: digital I/O cards offer 24 channels of TDIF, Lightpipe or AES/EBU I/O; analog I/O card (the analog and digital slots are separate, so the analog option and one digital option may be installed simultaneously); RC-2424 remote control.

- MX2424 24 track hard disk recorder Mfr. List \$3,999.00 **ONLY \$3,599.00**
- IFAN24 analog I/O 24 channels, A/D-D/A converters for MX2424 Mfr. List \$1,699.00 **ONLY \$1,487.00**
- IFAE24 AES/EBU digital I/O 24 channels for Tascam MX2424 Mfr. List \$999.00 **ONLY \$874.00**
- IFAD24 ADAT Lightpipe optical I/O 24 channels for MX2424 Mfr. List \$499.00 **ONLY \$437.00**
- IFTD24 TDIF digital I/O 24 channels for Tascam MX2424 Mfr. List \$499.00 **ONLY \$437.00**
- RC-2424 remote control for Tascam MX2424 Mfr. List \$1,599.00 **ONLY \$1,399.00**
- \*MU8824 24 track remote meter unit for mx2424 Mfr. List \$1099 **ONLY \$813.00**

\* Non-inventory item subject to return restrictions.



**ALESIS  
ADAT-LX20**

The ADAT-LX20™ provides an economical solution for capturing the power of the award-winning ADAT recording format. Even though the LX20 is the most affordable ADAT, it offers the same 20-bit ADAT Type II digital recording format as other higher-end models, making it capable of producing professional-quality recordings. The LX20 is compatible with all ADAT-model recorders as well as third-party products like digital consoles, interfaces and more. The LX20's five specialized locate points, used with its Auto Play, Auto Return, Auto Record and Auto Loop functions, are designed to help you record quickly and easily. For standard analog interfacing like connecting to a mixer, the LX20 includes sixteen unbalanced -10 dBV inputs and outputs on phono (RCA) connectors. The LX20 also offers the ADAT Optical Digital Interface, which carries up to eight audio tracks at once completely in the digital domain and allows you to connect to other ADATs in a system or dozens of devices that use this innovative transfer protocol.

- ADAT-LX20 8-track recorder Mfr. List \$1,399.00 **ONLY \$999.00**
- BRC remote control for Alesis ADATLX20 Mfr. List \$1,499.00 **ONLY \$1,385.00**



**TASCAM  
DA88**

Tascam's renowned DA88 digital 8-track recorder utilizes the readily available Hi-8, 8mm tape format, offering CD quality recordings up to 100 minutes in length on a standard 120 minute tape. Features: rugged transport construction; rugged and reliable tape format; gapless, seamless punch in/out with advanced digital crossfading technology; variable track delay; very easy to use with large transport buttons; super fast FF/REW time (entire tape in just 80 seconds); locator jog/shuttle wheel; up to sixteen machines can be locked together for 128 tracks. Optional accessories, I/O boards and controller available.

- \*DA88 8-track recorder Mfr. List \$5,199.00 **ONLY \$3,900.00**
- \*IF88SD S/PDIF digital interface Mfr. List \$1499 **ONLY \$1,138.00**
- \*IFAE8 8 channel TDIF-1 to AES/EBU converter Mfr. List \$599 **ONLY \$449.00**
- \*RC808 single machine controller for DA88 Mfr. List \$245 **ONLY \$184.00**
- \*SY88 synchronizer board for DA88 Mfr. List \$920 **ONLY \$691.00**



**HBB  
ADAT45**

- HBB ADAT cassette, 45 minutes
- ADAT45 45 minute ADAT tape Mfr. List \$11.00 **ONLY \$9.00**

Multitrack Recorders



**FOSTEX**  
**VF-16**

Fostex's new 16-track digital multitracker combines state-of-the-art hard disk-based digital recording with easy-to-use and precise controls. The recording engine features a total of 24 tracks (the additional 8 ghost tracks being available for multiple takes) and simultaneous 16 track recording to an internal E-IDE hard disk. Mixing functions start with 60 mm faders for all 16 input channels and master; 3-band EQ with parametric mid channel compressors and master compressor; 8 mic inputs (2 with XLR, inserts and 48-volt phantom power); two effects sends and two auxiliary sends per channel switchable pre/post; and 99 mix-scene memory. Plus the VF-16 comes with two independent digital multi-effect processors!

**VF-16**                      **16 Track Digital Multitrack Recorder**  
Mfr. List \$1,499.00      **ONLY \$999.00**



**TASCAM**  
**PORTASTUDIO 788**

The 788 Digital Portastudio's nonlinear editing capabilities and built-in high quality effects make it a totally self-contained digital studio – just hook up a CD burner (sold separately) to the SCSI port, and your recording is ready to go. The various inputs on the 788 can accept mic and line levels. Stereo outputs for mixing down, monitor outputs and AUX outputs are all included on individual connectors. Also, MIDI In and Out jacks are provided for syncing your audio tracks to synthesizer and software-based sequencers. **Features:** 8-track, 24-bit hard disk recorder workstation; 250 virtual tracks for alternate takes; built-in high quality digital effects: reverb, chorus, distortion, multi-effects and more; 24-bit uncompressed sonic fidelity; 24-bit AD/DA converters; non-destructive editing with 999 levels of undo; 3-band EQ with true parametric mid; S/PDIF digital output for digital mixdown; SCSI port.

**788**                              **8-track recorder**  
Mfr. List \$1,149.00      **ONLY \$899.00**  
**CDR788**                      **CDR recorder for Tascam 788**  
Mfr. List \$399.00      **ONLY \$299.00**



**YAMAHA**  
**MD8**

The Yamaha MD8 multitrack MD recorder combines the superior audio quality and random access capabilities of the MiniDisc format with a flexible, 12-input mixer to form an extraordinary powerful multitracker. **Features:** up to 8 tracks simultaneous recording and playback; ability to ping-pong all eight tracks down to one or more tracks; 8-channel analog mixer with variable gain and 3-band EQ with mid sweep on each channel, 2 AUX sends (with stereo returns), pan and fader on all input channels; fast and accurate search and locate, precise auto punch in/out with up to 99 takes, disc and song titling; jog/shuttle dial for quick and easy song location and edit function access; pitch control ± 12%; full MIDI support; part copy, track copy, song copy, song renumbering, tempo map and other handy editing functions; balanced XLR inputs (with phantom power), phone-type jacks and insert I/O jacks on channels 1-2, unbalanced phone-type input jacks on channels 3-8, direct track outs.

**MD8**                              **8-track minidisc recorder**  
Mfr. List \$1,399.00      **ONLY \$1,099.00**

**Built-in  
Hard Drive and  
CD Burner!**



**YAMAHA**  
**AW4416**

If you're looking for the highest quality digital recording (without compression) and incredible ease of use, you'll want the Yamaha AW4416. Start with your choice of 16-bit or 24-bit resolution (either 44.1 or 48kHz). When you choose 16-bit, you get up to 8 tracks of simultaneous recording and 16 tracks of simultaneous playback. With 24-bit, you can have up to 16 tracks simultaneous recording and playback. Choose Manual or Auto Punch I/O, and since you can record up to 8 virtual tracks for each of the 16 tracks, you always have the material on hand for a hot mix every time, which you can mix down to the available stereo master tracks. There's plenty of recording space: 12 GB standard (up to 64 GB or enough for as many as 50,000 songs optional). Plus you can burn it directly to CD with the included CD recorder. Besides the incredible mixing functions, you also get powerful effects controls: great EQ (4-band parametric), plus two powerful digital effects processors. It's a complete recording studio in one - at a price every recording artist can afford. **Features:** 16-track recording (x8 virtual tracks) to internal hard disk; 24-bit recording with no compression and 32-bit processing; 12 GB internal hard disk drive; built-in CD-RW drive; 44 channel, 8 buss and 8 AUX send mixer; 2 internal multi-effects processors; channel/EQ/dynamics/delay/attenuation/phase/insert; 8 sample trigger pads with 2 banks (max. approx. 90-seconds); scene memory and auto-mix functions; Track, Part, Region and Song editing; standard play/record transport functions plus jog with shuttle; 99 mark points per song plus Quick Locate and Repeat; manual and auto punch I/O; Word Clock I/O, MIDI In/Out/Thru, MTC OUT, To Host, SCSI; mouse and foot switch connectors; 2 Mini-YGDAI card slots for multiple digital and analog I/O options.

**AW4416CDHD**                      **16-track recorder with cd burner/hard drive**  
Mfr. List \$3,799.00      **ONLY \$3,299.00**

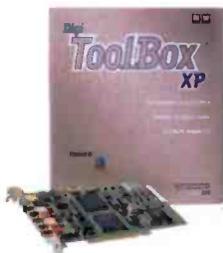


## AARDVARK DIRECTPRO24-96

**NEW**

The Direct Pro 24/96 is the benchmark of Aardvark's revolutionary concept in computer hard-disk recording, combining the best features of digital mixers, studio-quality effects, dynamic signal processing and microphone preamps. It's equipped with DSP-based effects, which allow for monitoring with effects while recording, without any latency. This latency is unavoidable when using plug-in effects or native software effects on input. The Direct Pro 24/96 effects provide a real-time recording environment that rivals the real-time performance of outboard compressors, 3-Band EQs and outboard mixers! The DSP-powered Control Panel mixer software provides many of the features of an automated digital mixer. It includes a drag-and-drop digital patchbay, digital peak metering, VU meters, Record FX switch and Presets for snapshot recall of any setting on the entire Control Panel mixer. The 24/96's superior sound quality comes from its low jitter clock, shielded 24 bit/96 kHz converters and uniquely shielded PCI card, all of which are specifically designed to keep out computer noise. The front panel of the Direct Pro 24/96 features four balanced analog inputs and a convenient headphone jack. The rear panel has four balanced 1/4" analog outputs, two unbalanced RCA outputs as well as MIDI I/O to provide seamless audio and MIDI integration between hardware and software. Digital S/PDIF I/O on the 24/96 host card allows for true 24 bit stereo digital transfers.

**DIRECTPRO24-96** digital audio interface  
Mfr. List \$699 **ONLY \$499.00**



## DIGIDESIGN DIGI TOOLBOX XP

Audiomedia III is the centerpiece of Digi Toolbox XP, Digidesign's simplest cross-platform solution for audio production. The Audiomedia III card has established itself as the most popular high-quality interface card. Audio enthusiasts of all disciplines use this simple PCI card to get better than CD-quality audio into and out of their computer. With 18-bit analog stereo I/O and 24-bit S/PDIF digital I/O, Audiomedia III makes it easy to interface with a small mixer or transfer DAT recordings. Now with Pro Tools LE (see description in Digi 001 above), Digi Toolbox XP has everything you need in a single package. With Digi Toolbox XP, you have access to all the real-time processing and mixing power and high track count of Pro Tools LE at the lowest price available. Coupled with the Audiomedia III card's high-quality I/O and proven reliability, Digi Toolbox XP is an extremely cost-effective solution for digital audio production.

**\*\*TOOLBOXXP** Audiomedia III audio card w/ software  
Mfr. List \$545.00 **ONLY \$500.00**



## DIGIDESIGN DIGI001

Digi 001 is a complete audio/MIDI, hardware/software solution in one box. Digi 001 comes packed with all the I/O options you need - eight analog inputs, eight analog outputs, eight channels of ADAT optical I/O and two S/PDIF I/O channels - all at 24-bit resolution. It also comes with a one-in, one-out MIDI interface built in, a footswitch input for QuickPunch control, and an additional pair of analog monitor outputs and a headphone output with separate volume control. Two of the eight analog inputs on Digi 001 include high-quality microphone pre-amplifiers with gain control and phantom power, reducing the need to incorporate a separate mixer. Instead, you can plug in an instrument or microphone, set the levels and start recording! Because Digi 001 is an integrated system featuring hardware and software, both by Digidesign, there is no need for concern over compatibility issues. Everything about Digi 001 has been designed and tested as a complete unit in one location. With Pro Tools LE software, this cross-platform package is ready to plug in and use. Software Features: up to 24 tracks of 16- or 24-bit audio; complete integrated MIDI sequencing; five inserts and sends per track for effects; 16 internal mixing busses, full dynamic and breakpoint automation supports Real-Time AudioSuite (RTAS) plug-ins and support of all Pro Tools automation modes except trim.

**\*\*DIGI001** PC audio card/software package  
Mfr. List \$995.00 **ONLY \$970.00**

**Top  
Seller**



## DIGIGRAM VXPOCKETV2

The VXpocket Type II PC Card allows you to perform serious audio production and analysis on your laptop computer. It offers professional audio quality plus compatibility with the most popular applications under both Windows 95/98/NT and Mac OS. Features: 24-bit converters; two balanced analog mono inputs at microphone or line level, and two balanced analog outputs; S/PDIF input and output allowing direct digital transfer; a break-out cable with XLR connectors for the analog inputs and outputs and RCA phono (CINCH) connectors for the digital I/O; 16-bit performance with Microsoft WAVE protocol and MacOS Sound Manager; ASIO driver available for 24-bit operation with compliant applications.

**VXPOCKETV2** audio card for laptop computer  
Mfr. List \$769.00 **ONLY \$599.00**

## Production Hardware



## DIGIGRAM VX222

This high-quality, versatile sound card for your PC computer includes balanced analog inputs and outputs with 24-bit converters (as well as digital input/output in AES/EBU or S/PDIF formats). The VX222 is more than just another multimedia sound card. It boasts Digigram's famous reliability and pro performance. The VX222 is designed to work with a wide variety of applications using Microsoft's WAVE protocol (under Windows 95/98 and Windows NT 4.0) and the MacOS Sound Manager (under MacOS 8.x). An ASIO driver is available for 24-bit operation with compliant applications.

**VX222** PC/Mac audio card Mfr. List \$549.00 **ONLY \$432.00**



## DIGITAL AUDIO LABS CARDELUXE

CardDeluxe gives you the ability to record up to 24-bit, 96 kHz audio. Features: analog two channel I/O via 1/4" TRS connectors; S/PDIF digital I/O via RCA connectors; 8- to 24-bit resolution; 22 to 96 kHz sampling rate; +4/-10 balanced/unbalanced operation; full duplex; 4 channel operation using both analog and digital I/Os; slaving of multiple CardDeluxes to a single sample clock; Windows 95, 98 and NT drivers; DirectX support.

**CDX01** 24-bit PC digital audio card  
Mfr. List \$595.00 **ONLY \$447.00**



## ECHO MONA

Mona joins Layla, Gina, and Darla as the latest in high-quality recording products from Echo. Its four universal inputs allow you to connect a variety of sources from mic to line level directly into your computer, bypassing external equipment that can add noise and distortion to your recordings. Using the latest generation of 24-bit 96 kHz converters, Mona offers the highest dynamic range and lowest distortion available. Features: dynamic range of 116 dB (A-weighted) on inputs and outputs; 4 high-quality mic preamps with phantom power; trim control and meters on each input; 6 outputs with XLR and RCA connectors; headphone out with level control; ADAT optical and S/PDIF digital inputs; drivers for Windows 95/98/NT, Mac and BeOS.

**MONA** 24-bit PC/Mac digital recording interface  
Mfr. List \$995.00 **ONLY \$799.00**

**Production Hardware**

**ECHO  
MIA**



**NEW**

Mia offers a pair of balanced analog inputs and outputs and operates at the +4dBu levels used by professional audio equipment. It combines this with 24-bit/96kHz converters and 106 dB of dynamic range for the quality your recordings deserve. Also included is a S/PDIF digital audio interface for connecting to other digital audio equipment. A unique feature of Mia is the use of "virtual" outputs. Mia appears to software as if it has eight separate outputs, which are digitally mixed down to the physical outputs using Mia's "console" software and its on-board DSP. This makes Mia compatible with all popular multi-track software. Mia even comes with Syntrillium's Cool Edit Pro™ SE to get you started!

MIA digital audio card Mfr. List \$249 **ONLY \$199.00**

**ECHO  
LAYLA24**



Layla is a professional system consisting of a PCI-bus card and a rack-mount audio interface that allows you to connect directly to professional audio equipment. This latest version, the Layla24 features both a 24-bit internal signal path and 24-bit A/D and D/A converters. Other features include simultaneous record and play, on-board MIDI interface, MTC sync compatibility and a headphone jack. The connectors include 8 balanced TRS analog inputs (two front panel inputs for easy access), 8 balanced analog outputs, ADAT optical and S/PDIF stereo digital I/O.

LAYLA24 24-bit PC digital recording interface Mfr. List \$995.00 **ONLY \$799.00**

**ECHO  
GINA24**



Gina24 offers 2-in/8-out balanced 1/4" connections, ADAT, S/PDIF Coaxial and S/PDIF optical I/O. Gina also has an internal digital audio connection for the CD-ROM drive. Using the latest generation of 24-bit 96kHz converters, Gina24 offers a high dynamic range and low distortion. It comes with a 6 ft. shielded host cable that connects the break out box to a PCI bus master interface card. Features: headphone output with volume control; syncs to other Echo 24-bit products; compatible with Windows 95/98/ME (drivers for Windows 2000/NT/GSIF, Mac and BeOS coming soon); compatible with all popular recording/editing software; simultaneously record two analog channels while playing back eight analog channels; will record analog and digital inputs simultaneously; includes mixer application for audio outputs, monitor assignments, volume, and metering; includes Syntrillium Software's Cool Edit Pro - Special Edition multitrack recording/editing software (Win 95/98).

GINA24 24-bit digital audio card Mfr. List \$495.00 **ONLY \$399.00**

**LYNX  
LYNXONE**



The LynxOne integrates digital audio and MIDI into a half-size PCI card providing recording professionals with an exceptional sounding, high-performance audio production tool. Besides the expected 24-bit/96 kHz audio support, it also features dual MIDI ports plus the clock inputs and outputs sync to word and video clocks - just what television and video professionals need. Features: stereo 24-bit analog audio inputs and outputs (XLR connectors on audio cable); digital I/O supporting AES/EBU and S/PDIF formats at sample rates up to 96 kHz (XLR connectors on audio cable); highly adjustable sample clock tunable to all rates 8 kHz to 100 kHz.

LYNXONE 24-bit PC digital audio card Mfr. List \$549.00 **ONLY \$481.00**



**SEASOUND  
SOLOEX**

**NEW**

The SoloEX digital audio recording system is a complete professional solution for digital recording. Combining mixing, amplification, comprehensive zero-latency monitoring, MIDI connectivity and 24-bit/96 kHz conversion; the Solo puts everything you need in one integrated environment. The SoloEX can even be expanded to eight discrete channels with the Solo Expander. Features: 2 custom mic preamps; 2 high-Z instrument preamps; 2 channel inserts; 2 stereo headphone amps; two 24-bit/96 kHz A/D and D/A converters; MIDI In/Out/Thru; integrated mixer; digital S/PDIF I/O; PC/Mac interface card.

SoloEX8 includes SoloEX and Solo Expander for a total of 8 channels.

SOLOEX digital audio recording system  
Mfr. List \$849.95 **ONLY \$549.95**

SOLOEX8 soloex system with expander for 8 total channels  
Mfr. List \$1,199.95 **ONLY \$899.95**



**SEASOUND  
SOLOIST**

**NEW**

The affordable Soloist includes only the most essential features of the SoloEX (including the SoloEX's amazing mic preamp), in a single rack space. Features: mic preamp; instrument preamp; preamp trim, level monitor pan; zero-latency input monitoring; stereo line inputs with gain, level controls and record assign; monitor mixer for computer, inputs section; six-segment VU meters; integrated input mixer; headphone amp; PC/Mac PCI card; MIDI I/O activity light; expandable to 8 channels.

SOLOIST digital audio recording system Mfr. List \$499.00 **ONLY \$395.00**

**SOUND DEVICES  
USBPRE**



Sound Devices USBPre is a complete, portable hardware interface for PC-based digital recording. Designed for USB-equipped Macintosh OS 9 and Windows computers (98SE, 2000, and ME), USBPre quickly and easily interfaces microphones, line level sources, musical instruments, and consumer audio electronics with personal computers. Its high quality, 24-bit audio inputs offer the most direct signal path into the computer. All analog-to-digital and digital-to-analog conversion is done outside of the computer, in the USBPre, for superior audio performance. Powered by the USB port from either notebook or desktop computers, no additional power source is required - the computer provides all power needed for operation.

USBPRE2 USB PC/Mac interface Mfr. List \$695.00 **ONLY \$549.95**

\* Non-Inventory item subject to return restrictions.

## Production Hardware



## SOUNDSCAPE MIXTREME

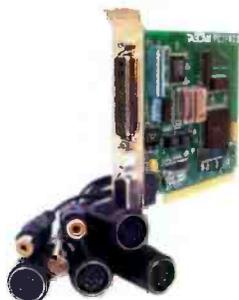
The Mixtreme PCI card provides 16 channels of 24-bit digital input and output via two industry standard 8-channel TDIF (Tascam Digital Interface) ports, but it also has 24-bit digital mixing and real-time DSP effects plug-ins.

The fully configurable Soundscape V2 mixer puts a 24-bit, 16-in/out, 16-bus virtual digital mixer at your fingertips, running high-end DSP effects plug-ins from Wave Mechanics, TC Works and Soundscape. DSP-based mixing has a very important advantage compared to computer based (i.e. native) effects and mixing. The latency (delay) for most computer-based mixers is anything from 100 ms upwards, which creates an extremely annoying delay when you try to record while playing back other tracks, or if even you just want to use the "real-time" effects. Mixtreme has a real DSP-based digital mixer on-board.

Mixtreme's dual TDIF ports allow direct connection to a digital console or Tascam DA-88 multitrack recorder. Optionally, you can connect two IBOX8LINE 8-Channel TDIF to analog interfaces to Mixtreme, for 16 channels of 20-bit analog I/O. For ADAT users, there is the IBOX8ADAT TDIF-to-ADAT converter, and you can connect two of these, or combine an ADAT and analog interface.

Soundscape is offering the Mixtreme 2000 PowerPAK that includes the Mixtreme card, plus the Soundscape iBOX 2-line interface, plus a bundle of software.

<b>MIXTREME2000</b>	<b>MIXTREMEPCI/iBOX2LINE/software bundle</b>
Mfr. List \$999.00	<b>ONLY \$987.00</b>
<b>MIXTREMEPCI</b>	<b>PC digital audio card with TDIF I/O</b>
Mfr. List \$549.00	<b>ONLY \$543.00</b>
<b>IBOX2LINE</b>	<b>2-channel analog to TDIF interface for Soundscape MIXTREMEPCI</b>
Mfr. List \$200.00	<b>ONLY \$198.00</b>
<b>IBOX8LINE</b>	<b>8-channel analog to TDIF interface for Soundscape MIXTREMEPCI</b>
Mfr. List \$450.00	<b>ONLY \$445.00</b>
<b>IBOX8ADAT</b>	<b>8-channel analog to ADAT interface for Soundscape MIXTREMEPCI</b>
Mfr. List \$200.00	<b>ONLY \$198.00</b>
<b>IBOX8XLR</b>	<b>8-channel XLR analog to TDIF interface for Soundscape MIXTREMEPCI</b>
Mfr. List \$1,500.00	<b>ONLY \$1,482.00</b>
<b>MIXTREMESPDI</b>	<b>PC digital audio card with TDIF and S/PDIF I/O</b>
Mfr. List \$659.00	<b>ONLY \$651.00</b>



## TASCAM PCI-822

The PCI-822 is a PCI-based interface card that includes everything you need to send digital audio and MIDI signals to your computer for recording and sequencing. It includes a TASCAM 8-channel TDIF interface for DTRS recorders and compatible equipment, a stereo S/PDIF interface for DAT recorders and CD players, and 32 channels of MIDI I/O for keyboards, synth modules and mixer automation. The PCI-822 supports 16-, 20- and 24-bit audio as well as 44.1 and 48 kHz sampling rates. Plus, it includes Nemesys' GigaSampler LE so you can take advantage of powerful software-based digital sampling. The PCI-822 can be installed to both Mac and PC computers. If you're using a TASCAM modular digital multitrack and want to get into the power of nonlinear hard disk recording and editing, the PCI-822 is the affordable, easy-to-use solution.

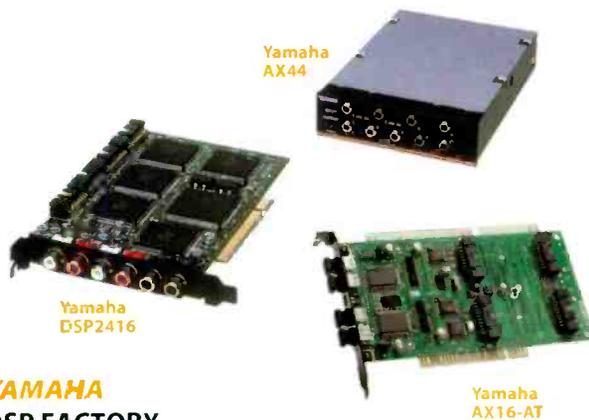
\*PCI822 PC/Mac digital audio card Mfr. List \$369.00 **ONLY \$299.00**



## TASCAM US-428

With the US-428, Tascam has created the first major advancement in USB-based audio. Starting with a fully 24-bit front end, with two XLR inputs, two balanced 1/4" inputs, two unbalanced 1/4" inputs (switchable to Hi-Z), and S/PDIF I/O, and adding four channels of audio in and two out via USB, the US-428 is a powerful DAW (digital audio workstation) controller. It's got real tactile controls for the most-used functions in your DAW applications: transport, mute/solo and locate keys; unlimited banks of eight faders; an EQ module that supports control of up to four bands of fully parametric EQ; plus four aux sends and a panpot. It's even got 32 channels of MIDI I/O (2 MIDI port). Use one for your keys and modules, and the other for MTC- to lock your MTC-capable tape tracks to your computer. It's also ideal for professionals making the leap from Portastudios to computer-based DAW programs. There are no audio cards to mess with, and you already know how to use it. Plus you can pack it along with your laptop for the perfect mobile setup. The US-428 comes bundled with Steinberg's Cubasis VST sequencing software as well as MP3 encoder.

US428 digital audio workstation controller Mfr. List \$625.00 **ONLY \$499.00**



## YAMAHA DSP FACTORY

The DSP Factory DSP2416 offers the mixing power of the Yamaha O2R digital mixer complete with 24 channels of digital mixing, on-board digital effects and dynamics processors plus 16 tracks of hard disk recording with up to 32-bit resolution. Features: digital mixer with 10 bus outputs and 6 aux sends; 4-band parametric EQ; 26 dynamic processors, 2 effects processors equal in quality to the REV500 channel delay on 20 channels; 8 track simultaneous recording with 16 track playback with up to 32-bit resolution; signals to and from recorder and mixer remain in the digital domain; compatibility with a wide variety of control software programs; stereo analog I/O on RCA connectors; stereo digital (coaxial) I/O.

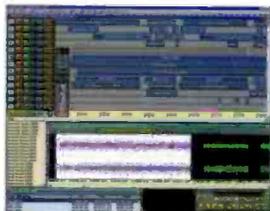
It is easy to expand the DSP Factory by adding multichannel interface boxes. The AX44 installs into the drive bay of a PC tower and provides four 1/4" analog inputs (two allow mic level) and four 1/4" analog outputs, plus a headphone jack. Two AX44s can be connected to one DSP2416 card to provide eight additional analog inputs and outputs.

The AX16AT is a PCI card that provides two pairs of ADAT optical connectors for transferring 16 tracks of digital audio to and from the DSP2416 card at resolutions of up to 24-bit.

MxTrax, an easy-to-use multi-tracking and mixing software program offered by Minnetonka Audio Software, is designed specifically for the Yamaha DSP factory and bundled with this system. See next page.

*DSP2416	<b>32-bit PC digital audio card/processor</b>	Mfr. List \$999.00	<b>ONLY \$599.00</b>
*AX44	<b>4-channel analog interface for Yamaha DSP2416</b>	Mfr. List \$299.00	<b>ONLY \$239.00</b>
*AX16-AT	<b>16-channel ADAT interface for Yamaha DSP2416</b>	Mfr. List \$299.00	<b>ONLY \$239.00</b>
**MXTRAX	<b>software for Yamaha DSP2416</b>	Mfr. List \$499.00	<b>ONLY \$384.00</b>

**Production Software**

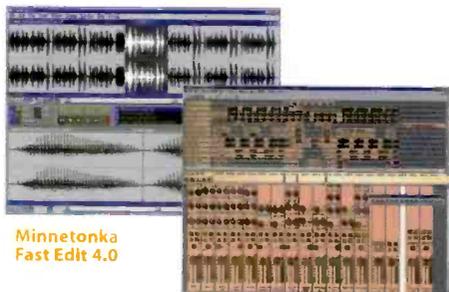


**IQS  
SAW SERIES**

With SAW32 easily record and edit up to 16 mono or stereo tracks with 16-bit resolution (CD and DAT-quality sound files) directly on your computer's hard drive. SAW32 supports up to 6 stereo sound cards for a maximum of up to 12 physical inputs and outputs, and automatically converts 8 bit, 16 bit, mono or stereo files of any sample rate, playing them all seamlessly in sync – live...in real-time! The elegance and speed of the SAW's design offers unmatched efficiency in taking a project from conception to completion.

SAW32LITE offers the same functionality as SAW32, but has 8 mono/stereo tracks and supports 3 stereo devices.

- \*\*SAW32** 16-track PC recording software  
Mfr. List \$500.00 **ONLY \$488.00**
- \*\*SAW32LITE** 8-track PC recording software  
Mfr. List \$300.00 **ONLY \$293.00**



Minnetonka  
Fast Edit 4.0

Minnetonka  
MxTrax

**MINNETONKA  
FAST EDIT 4.0/MXTRAX**

The popular Fast Edit 4.0 editing software now runs even faster and smoother as a 32-bit program. It provides fully nondestructive editing for Windows .wav files and now supports DirectX plug-ins. Features: ultra-fast cut and paste; sample accurate editing; simultaneous record and play with mix function (makes overdubbing and layering sounds a snap); fade-in/fade-out; drop-in markers can be manually or automatically named; reverse play, variable-speed, gain change and AGC functions; accurate punch-ins; scrub function.

MxTrax "Native" works with your Windows-compatible sound card and provides an easy-to-use interface for recording, mixing and editing. This powerful software lets you drag and drop elements to build your own mixer with a host of real-time processing and effects and full mixer automation. In addition, you get lightning-fast cut-and-paste editing with instantaneous fades and gain change, unlimited undos and much more.

With MxTrax gain access to the full power of the Yamaha DSP Factory (see previous page). MxTrax supports all the amazing features of Yamaha's powerful card including dynamics, EQ and effects.

- \*\*FASTEDIT40** 32-bit PC editing software  
Mfr. List \$199.00 **ONLY \$161.00**
- \*\*MXTRAXNATIVE** PC recording software  
Mfr. List \$399.00 **ONLY \$307.00**
- \*\*MXTRAX** software for Yamaha DSP2416  
Mfr. List \$499.00 **ONLY \$384.00**

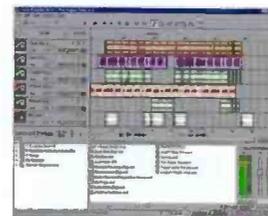


**SONIC DESKTOP  
SMARTSOUND**

SmartSound® is the powerful intuitive way to create soul-stirring soundtracks in minutes. It's the first and only audio software designed to make complete, professional soundtracks, for any broadcast project, accurate to a tenth of a second – all with an award-winning user interface you can master in minutes. Features: create professionally edited soundtracks fast; create soundtracks at any length accurate to 1/10 of a second; find the music you need faster than any music library search engine; no time wasted piecing together isolated instrument loops; powerful, patented automated music creation engine; save and export files in the most popular, widely used file formats; the perfect add-on utility for any audio system.

SmartSound's Audio Palette and Sound Palette series of add-on music and sound effects CD-ROMs are especially enabled to work with its unique patented soundtrack creation process. These CDs feature live musicians and top production value to give your SmartSound soundtracks that emotion-packed professional edge. Choose from 24 exciting CDs with such themes as narration backdrops, romance and memories, spicy rhythms, classical masters, holiday magic and more. Call for list of titles and prices today.

- \*\*WFM44** PC music creation software  
Mfr. List \$399.00 **ONLY \$281.00**



**SONIC FOUNDRY  
ACIDPRO2.0**

Acid Pro 2.0 is a revolutionary loop-based music production tool that offers production staff unprecedented creative flexibility. Imagine working with hundreds of Acid Pro 2.0's cutting-edge loops or bringing in your own audio samples to create custom music in minutes. Acid Pro 2.0 allows you to preview any loop before adding it to your mix, automatically matching the tempo and key in real time. Click-and-drag to easily add or delete loops. Acid Pro 2.0 allows real-time changes to pitch and tempo to unlimited tracks. Control the volume, pan, and effect envelopes for each track to create a perfect mix between loops. To add the finishing touches, apply multiple real-time effects with DirectX Audio Plug-Ins included, or add more from Sonic Foundry's family of professional effects plug-in packs.

- \*\*ACIDPRO2.0** PC music production software  
Mfr. List \$399.00 **ONLY \$293.00**



**Top  
Seller**

**NEW**

**SONIC FOUNDRY  
SOUND FORGE 5.0**

Sound Forge® 5.0 is the brand new version of Sonic Foundry's award-winning, two-track digital audio editor. Sound Forge includes a powerful set of audio processes, tools and effects for manipulating audio. This one-of-a-kind application is perfect for audio editing, audio recording, effects processing and media encoding. Combine Sound Forge with any Windows-compatible sound card to create, record and edit audio files. The clean and familiar Windows interface makes editing a breeze. It also has built-in support for video and CD burning and can save to a number of audio and video file formats, including WAV, WMA, RM, AVI and MP3. Sound Forge provides a combination of over 35 audio effects and processes with more than 200 presets. It includes dozens of editing features including: Cut, Paste, Move, Delete, Mute, Reverse, Crossfade, Trim, Normalize, Fade, Pan, Resample, Enhance, Insert Silence and more. Sound Forge also includes 20 DirectX Audio Plug-Ins, including XFX1, XFX2 and XFX3 and Acoustic Mirror™, which can be used for acoustic simulation and microphone modeling. The entire arsenal of effects includes Amplitude Modulation, Chorus, Delay, Distortion, Flange, Gapper, Noise Gate, Pitch Bend, Reverb, Vibrato, Time Compression, Wave Hammer™ and more. Sound Forge includes three EQs – graphic, parametric, and parabolic and supports DirectX Plug-Ins from third party applications. Simple drag-and-drop operations and a customizable interface, allowing you to build projects the way you want, make Sound Forge a favorite application for broadcasters and recording professionals.

- \*\*SF5000** PC multitrack editing software Mfr. List \$499.95 **ONLY \$333.00**

**NEW FEATURES:**

- 24-bit/32-bit float/192 kHz
- 20 DirectX Audio Plug-ns
- Track-at-Once CD Burning and Ripping
- Acoustic Simulation
- Wave Hammer™ Mastering Tools

## Production Software

SONIC FOUNDRY  
VEGAS AUDIO 2.0

Vegas Audio 2.0 achieves a level of performance not previously available with software-only multitracks. High bandwidth 24-bit, 96 kHz audio is only the beginning. Complete flexibility and enhanced media handling allow the mixing of file properties, bit depths and sampling rates. **Features:** works in real time; unlimited tracks; supports multiple file formats (.wav/.aif); 32 assignable DirectX FX sends; 26 AUX outputs; simultaneous multitrack record and play; unlimited undo/redo; multiple I/O support; MIDI Time Code synchronization.

**\*\*VEGAS2.0** PC multitrack editing software  
Mfr. List \$499.00 **ONLY \$366.00**

SYNTRILLIUM  
COOL EDIT PRO

Cool Edit Pro is a recording/editing/mixing software suite for Windows. It packs enough top-quality digital effects modules to fill a room full of equipment racks, and it can mix up to 64 tracks together, using just about any sound card. **Features:** time display window; level meters and clip indicators; tracks are color coded for Mute, Solo and Record; graphic volume and pan envelopes as well as loop, crossfade, zoom and snap features; multiple takes and multiple undos; SMPTE slave capability; much more.

**\*\*COOLEEDITPRO** PC multitrack editing software  
Mfr. List \$399.00 **ONLY \$320.00**

TRACER TECH  
DIAMOND CUT 32

Diamond Cut 32 gives you one environment for all of your noise reduction work. Now you can record, play, clean and drop your material to CD all without leaving the safe confines of Diamond Cut's intuitive user interface. Use it for restoring audio from old recordings and vinyl records, removing hiss, ticks and pops, and even cleaning audio with powerful editing tools.

**\*\*DC32** noise reduction software  
Mfr. List \$99.00 **ONLY \$86.00**

ATI  
DM200/DMM100

The new DM200 24-bit D/A converter from ATI is part of its famous Nanoamps line, a compact and rugged series of low cost problem solvers. The DM200 accepts loop-thru AES/EBU format digital audio via XLR, BNC and RCA connectors. A 24-bit/96 kHz D/A converter feeds balanced audio line outputs and stereo headphone drivers. Input sample rates of 32, 44.1, 48, 82.2 and 96 kHz are decoded and indicated with a front panel display.

DMM100 is a digital "matchmaker". It accepts serial digital NRZ signals such as AES/EBU digital audio from XLR, BNC, RCA or TOSLINK optical fiber and provides reshaped outputs to simultaneously drive XLR, BNC, RCA or TOSLINK. All inputs and outputs are transformer coupled and floating to provide maximum isolation and ground loop elimination. It's perfect for interfacing short run fiber or unbalanced RCA digital outputs to balanced XLR or 75 ohm coax for longer cable runs.

The DMM100-BAT also accepts internal "AA" batteries.

**\*DM200** digital monitor and D/A converter  
Mfr. List \$599.00 **ONLY \$555.00**

**\*DMM100** digital multiple format matchmaker  
Mfr. List \$259.00 **ONLY \$240.00**

**\*DMM100BAT** digital multiple format matchmaker  
Mfr. List \$299.00 **ONLY \$277.00**

HOSA  
ODL SERIES

Each of these handy boxes allows simultaneous transfer (dubbing) of two independent channels of digital audio in either or both directions. ODL-276 links S/PDIF (coax RCA) into optical Toslink. ODL-312 links AES/EBU (XLR) to optical (Toslink). CDL-313 links S/PDIF (coax RCA) to AES/EBU (XLR). ODS-330 allows selection of one of two Toslink inputs to feed a single Toslink output. ODY-314 splits an optical input into two optical outputs. It works for 2-channel S/PDIF.

**ODL276** optical/coaxial data link  
Mfr. List \$95.00 **ONLY \$86.00**

**ODL312** AES/optical data link  
Mfr. List \$95.00 **ONLY \$86.00**

**CDL313** coaxial/AES data link  
Mfr. List \$95.00 **ONLY \$86.00**

**ODS330** optical data switcher  
Mfr. List \$95.00 **ONLY \$86.00**

**ODY314** optical data splitter  
Mfr. List \$95.00 **ONLY \$86.00**

## Digital Accessories

FOSTEX  
VC-8

This affordable ADAT optical/analog converter adds analog I/Os to digital recorders or adds 8 high-quality analog inputs and outputs to a PC sound card with ADAT opticals. **Features:** 20-bit A-D/D-A; S/PDIF/analog conversion; selectable clock internal (44.1 kHz), optical, word (32-48 kHz) enables seamless integration with digital equipment; Input Mode select (2/4/8 buss) for easy combination with any analog mixer.

**VC-8** ADAT optical to analog converter  
Mfr. List \$339.00 **ONLY \$289.00**

LUCID  
AESX4/GENX6/SPDIFX7

With these new distribution units from Lucid, you can circulate audio and sync around your studio. The AESx4 and the CLKx6 take the audio at their inputs and distribute it to multiple, same-format destinations. The AESx4 receives either Word Clock or AES audio and delivers it to four AES-connected units. The CLKx6 passes sync information, in Word Clock or Superlock format, to 6 parallel outputs. The SPDIFx7 allows you to take S/PDIF stereo audio and feed to it four S/PDIF, two TOSLINK optical, and one AES outputs. Distribution in multiple formats is simultaneous.

**AESX4** AES distribution amplifier  
Mfr. List \$499.00 **ONLY \$450.00**

**GENX6** word/superlock generator  
Mfr. List \$599.00 **ONLY \$540.00**

**SPDIFX7** S/PDIF distribution amplifier  
Mfr. List \$399.00 **ONLY \$360.00**

LUCID  
AD9624/DA9624

Lucid's AD9624 and DA9624 offer true 24-bit resolution assuring full dynamic range in A/D and D/A signal paths. **Features Both:** 96 kHz conversion for maximum sampling bandwidth; true 24-bit resolution using high precision converters; simultaneous AES-3 (XLR), S/PDIF (coaxial), and S/PDIF (TosLink) digital outputs; 20-segment level LED ladders (input). **Features AD9624:** internally generated sample rates of 32, 44.1, 48, 88.2 and 96 kHz; external sync via word clock; user-selectable 16-bit noise shaping.

**\*AD9624** A/D converter  
Mfr. List \$899.00 **ONLY \$810.00**

**\*DA9624** D/A converter  
Mfr. List \$749.00 **ONLY \$675.00**

Digital Accessories/Sound Effects



**LUCID**  
**ADA1000**

The useful ADA1000 combination A/D-D/A converter offers superior sound quality with 20-bit oversampling delta/sigma technology, a +4 dBu interface to your sound card with XLR and 1/4" analog, and AES/EBU or S/PDIF digital ports.

\*ADA1000 digital recording hardware  
Mfr. List \$599 **ONLY \$540.00**



**VALENTINO**  
**SOUND EFFECTS LIBRARIES/SFX1000**

All Valentino CD series sound effects are individually tracked on each CD (no sub-indexing) grouped together by category so cuts are easy to locate in any CD player. There are no additional royalty, clearance or license fees required once a library is purchased.

SFX1000 is a CD-ROM filled with one thousand sound effects as 16-bit .wav files that are easy to retrieve in six languages using your personal computer equipped with a CD-ROM drive and audio card. Not for use in standard audio CD players.

- \*\*CD10 sound effects library - 10 CD set  
Mfr. List \$400.00 **ONLY \$364.00**
- \*\*CD25 sound effects library - 25 CD set  
Mfr. List \$850.00 **ONLY \$773.00**
- \*\*CD50 sound effects library - 50 CD set  
Mfr. List \$1,399.00 **ONLY \$1,272.00**
- \*\*SFX1000 PC sound effects CD  
Mfr. List \$100.00 **ONLY \$91.00**

Distribution Amplifiers



**APHEX**  
**120A**

The 120A is a high-performance 1x4 audio distribution amp. Features: one high impedance input and four low impedance outputs, all electronically servo-balanced; half-rack-wide sturdy steel chassis may be rack mounted singly or paired with another unit in a single rack space; THD < .002% @ +4 dBm; hum and noise better than 90 dB down.

120A 1x4 distribution amp Mfr. List \$319.00 **ONLY \$251.00**  
440085A rack kit for Aphex 120A Mfr. List \$30.00 **ONLY \$25.00**



**ATI**  
**ENCORE DA SERIES**

These rack mount ATI distribution amps come in four models, depending on the configuration you desire. The DA206 is a dual 1x3 DA and the DA412 is a quad 1x3 DA. Features: outputs are active balanced and individually adjustable; inputs can be paralleled via internal jumpers for 1x6, 2x6 or 1x12 operation; XLR type input and output connectors.

The DA208 is a dual 1x4 DA and the DA416 is a quad 1x4 DA. Features: outputs are active balanced and individually adjustable; inputs can be paralleled on rear connectors for 1x8, 2x8 or 1x16 operation; barrier block input and output connectors.

- DA206 dual 1x3 distribution amp with XLR I/O  
Mfr. List \$479.00 **ONLY \$444.00**
- DA208 dual 1x4 distribution amp with barrier I/O  
Mfr. List \$389.00 **ONLY \$361.00**
- DA412 quad 1x3 distribution amp with XLR I/O  
Mfr. List \$679.00 **ONLY \$629.00**
- DA416 quad 1x4 distribution amp with barrier I/O  
Mfr. List \$569.00 **ONLY \$527.00**



**ATI**  
**DMA103/DA103**

The DMA103 is a 1 mic input to 3 line outputs microphone distribution amp. Features: three servo balanced line outputs @ +22 dBm; dip switch selection of phantom power and preamp gain for high output microphones and line level inputs; master gain control and independent output level trimmers; XLR input and output. Both amps require power supply (#WA100-1).

DA103 is a line level distribution amp. Features: 1 line level input to 3 servo balanced outputs @ +22 dBm; master gain control and independent output level trimmers; individual two-piece quick change Phoenix-type connectors, one set for each input and output.

- \*DMA103 1x3 microphone distribution amp  
Mfr. List \$269.00 **ONLY \$222.00**
- \*DA103 1x3 line level distribution amp  
Mfr. List \$239.00 **ONLY \$222.00**



**AUDIOARTS**  
**SDA8400**

The Audioarts SDA-8400 is a 1x8 channel stereo, rack mount distribution amplifier. Features: LED status lights for all input and output channels; extremely flat frequency response; separate 3-conductor connectors for each input and output.

SDA8400 1x8 distribution amp  
Mfr. List \$524.00 **ONLY \$451.00**

Distribution Amplifiers



**ATI**  
**DXA SERIES**

These AES/EBU digital audio distribution amplifiers are available with 12 balanced XLR or 24 unbalanced BNC outputs per channel. They provide an economical stand-alone digital audio distribution solution or an effective output expander for use with other ATI distribution amplifiers. Features: accepts sample rates from 27 to 96 kHz; data re-clocking and regeneration; transformer balanced input.

- DXA112XLR 1x12 distribution amp with XLR I/O  
Mfr. List \$699.00 **ONLY \$648.00**
- DXA124BNC 1x24 distribution amp with BNC I/O  
Mfr. List \$649.00 **ONLY \$601.00**



**ESE**  
**ES246/ES217**

ES246 is a rack mount, quad 1x6 DA with the choice of barrier strip or XLR connections. Features: front panel gain adjustment is available for each of the 4 input channels; balanced or unbalanced operation with switchable 600Ω or 10kΩ input termination. The barrier strip model is 1RU high. The XLR model is 2RU high.

The ES217 is a 1x4 DA housed in a free-standing chassis. Choose from barrier strip or XLR connections.

- \*ES217 1x4 distribution amp with barrier I/O  
Mfr. List \$195.00 **ONLY \$188.00**
- \*ES217XLR 1x4 distribution amp with XLR I/O  
Mfr. List \$320.00 **ONLY \$308.00**
- \*ES246 1x6 distribution amp with barrier I/O  
Mfr. List \$395.00 **ONLY \$380.00**
- \*ES246XLR 1x6 distribution amp with XLR I/O  
Mfr. List \$695.00 **ONLY \$669.00**



**HENRY ENGINEERING**  
**U.S.D.A.**

U.S.D.A. (Utility Summing and Distribution Amplifier) can be used as a conventional 1x4 or 2x4 DA, or to combine a stereo input to a mono output. Features: two inputs (one stereo pair) accept balanced or unbalanced sources; four 600 ohm balanced outputs (two stereo pairs); mono/stereo switches; built-in power supply; screw barrier connectors.

USDA 2x4 distribution/summing amp  
Mfr. List \$195.00 **ONLY \$163.00**



Popular Rane  
Sixteen Output  
Distribution Amp

## RANE DA216A

The Rane DA 216a Distribution Amplifier is a two-input, sixteen-output splitter/distribution amplifier. The DA 216a is capable of providing sixteen discrete balanced outputs from one or two balanced mic level or line level inputs. The level of each output is individually adjusted via one of the sixteen screwdriver output level controls on the front panel. Each output may be assigned to either or both inputs via front panel accessible slide switches. The Master A and B Level controls affect the overall level of each input. In other words, they allow all assigned outputs to be turned up or down at once. LEDs indicate an Overload (OL) at either the inputs or at the internal gain stages. Input gain pushbutton switches provide a microphone input with +60 or +40 dB of gain, or a line input with +20 or 0 dB of gain.

DA216A 2x16 distribution amp  
Mfr. List \$499.00 **ONLY \$376.00**



## RADIX DA1600

The Radix DA1600 is a heavy-duty distribution amp with 8 stereo or 16 mono balanced outputs. Front panel level control and selectable pads accommodate a wide range of input levels. Features: removable, plug-in connectors that allow wiring changes to be made quickly and effortlessly with the distribution amp still in the rack; THD .01% max @ +20 dBm out, SNR 90 dB.

DA1600 2x8 or 1x16 distribution amp  
Mfr. List \$520.00 **ONLY \$400.00**



## RDL ST-DA3/STM-DA3

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices. Requires 24-volt power supply (PS24A sold separately).

ST-DA3 is a 1x3 mono line level distribution amplifier. STM-DA3 is a 1x3 mic level distribution amplifier.

STDA3 1x3 distribution amp  
Mfr. List \$130.00 **ONLY \$106.00**

STMDA3 1x3 distribution amp  
Mfr. List \$130.00 **ONLY \$106.00**

PS24A power supply for RDL Stick-On™ series  
Mfr. List \$18.00 **ONLY \$15.00**



## RDL RU SERIES

These rugged distribution amplifiers can be mounted up to three across. All units require a PS24A power supply (sold separately). RU-DA4D Features: dual 1x4 amplifier; two independent channels with one input to 4 outputs; can be configured for 8 mono outputs from single source; balanced or unbalanced I/O via barrier strip connectors; screwdriver level controls.

RU-UDA4 Features: dual 1x4 amplifier; two channels, each with a single input to 4 outputs; inputs and outputs are unbalanced -10 dBv with RCA connectors; unity gain is maintained on both channels.

RU-BDA3 Features: 1x3 amplifier; single, front panel XLR input with gain control accepts either balanced or unbalanced sources; three balanced 150 ohm XLR outputs; alternate rear panel screw barrier input.

RUDA4D dual 1x4 distribution amp with barrier I/O  
Mfr. List \$231.00 **ONLY \$193.00**

RUUDA4 dual 1x4 distribution amp with RCA I/O  
Mfr. List \$163.00 **ONLY \$131.00**

RUBDA3 1x3 distribution amp with XLR I/O  
Mfr. List \$230.00 **ONLY \$186.00**

RURA3 3-unit rack adaptor  
Mfr. List \$30.00 **ONLY \$24.00**

## Distribution Amplifiers



## ROLLS RA63

Looking for a cost-effective, rack mount, 1x6 mono DA? Try the Rolls RA63 for excellent performance. Features: independent front panel screw level adjustment for all 6 outputs; balanced 100 k ohm input; balanced 20 ohm output; screw barrier type I/O connectors; THD and IMD (SMPTE) are <.008%.

RA63 1x6 distribution amp  
Mfr. List \$188.00 **ONLY \$162.00**



## SHURE FP16A

Rugged, compact and lightweight, this 1-input, 6-output distribution amplifier is specifically designed for field production and can be powered via internal batteries or an AC adaptor. It's ideal as a portable press bridge.

Features: XLR transformer-balanced input and outputs (each switchable for microphone or line level operation); phantom power; link jacks for connecting additional FP16A units or outboard devices; screwdriver-adjustable gain controls.

FP16A 1x6 portable distribution amp  
Mfr. List \$657.90 **ONLY \$494.00**

## Interface Amplifiers



## APHEX 124A

124A easily interfaces consumer audio equipment to professional studio and broadcast facilities with superior audio specifications. Active, servo-balanced circuitry converts +4 dBm (or +8 dBm) line levels to -10 dBm (hi-fi) levels, and back again. XLR and RCA type connectors enable quick hook-up.

124A level matching interface amplifier  
Mfr. List \$229.00 **ONLY \$185.00**

440085A rack kit for Apex 124A  
Mfr. List \$30.00 **ONLY \$25.00**



## ATI DP100/MM100

DP100, a uni-directional stereo interface, converts the unbalanced IHF outputs of CD players to transformer-balanced and isolated 600 ohm line levels with no compromise or degradation of the source audio.

MM100 offers the same high-quality level matching capability as the DP100 in a bi-directional format for record and playback applications.

\*DP100 unidirectional stereo level matching amplifier  
Mfr. List \$299.00 **ONLY \$277.00**

\*MM100 bi-directional stereo level matching amplifier  
Mfr. List \$339.00 **ONLY \$314.00**

## SYMETRIX 305/581E

The Symetrix 305 is a quality, affordable 1-input, 4-output mono distribution amplifier with euroblock terminal connectors. THD+noise is less than .009%. Optional rack mount available (model #RM3SYMETRIX).

Symetrix' higher-end 581E is a quality 4-input, 16-output DA. Each 1-input, 4-output module operates independently. Simple rewiring creates 2x8 and 1x16 configurations. Features: removable Phoenix-type connectors for easy installation; precision circuitry yields THD + noise less than .009%; LED input metering; level control on inputs and outputs; internal power supply.



Symetrix 581E



Symetrix 305

305 1x1 distribution amp  
Mfr. List \$199.00 **CALL FOR PRICE**

RM3SYMETRIX rack kit for Symetrix 305  
Mfr. List \$20.00 **ONLY \$17.00**

\*581E Quad 1x4 distribution amp  
Mfr. List \$549.00 **CALL FOR PRICE**

## Interface Amplifiers


**ATI**  
**NANO AMP SERIES**

Nanoamps are high-quality, ultra compact (1/3 rack width) interface amplifiers.

The BI100 is a stereo, bi-directional pro/consumer interface unit.

BU400 is a 4-channel unit - all balanced to unbalanced.

UB400 is a 4-channel unit converting 4 unbalanced inputs to balanced outs. (RCA and XLR connectors on above units).

L200XLR is a dual line attenuator/impedance convertor/signal splitter/summing amp.

All units require an external power supply (WA100-1). Rack mount and desk mount kits are available as options.

- \*BI100 stereo bi-directional level matching interface  
Mfr. List \$239.00 **ONLY \$222.00**
- \*BU400 4-channel bal. to unbal. matching amplifier  
Mfr. List \$229.00 **ONLY \$213.00**
- \*UB400 4-channel unbal. to bal. matching amplifier  
Mfr. List \$259.00 **ONLY \$240.00**
- \*L200XLR dual line level/splitting/summing amp  
Mfr. List \$235.00 **ONLY \$233.00**
- \*SUM100 stereo to mono summing amplifier  
Mfr. List \$225.00 **ONLY \$209.00**
- \*WA100-1 wall mount power supply  
Mfr. List \$15.00 **ONLY \$14.00**


**BROADCAST TOOLS**
**IPC-1/IPC-2**

The IPC-1 is an active bi-directional stereo level-matching interface designed to interface IHF consumer audio equipment with professional audio equipment.

Features: input and output level controls; gold plated phono jacks; active balanced pro connections on removable screw terminals; excellent immunity from hum and RFI; monaural jumpers and optional rack mount kit.

- IPC1 stereo bi-directional interface amplifier  
Mfr. List \$169.00 **ONLY \$151.00**
- IPC2 twin stereo interface amplifier  
Mfr. List \$169.00 **ONLY \$151.00**


**EBTECH**  
**HE/HE8**

Hum Eliminator HE (2-channel) eliminates ground loop hum and converts back and forth between balanced and unbalanced signals at either end.

HE8 is an 8-channel rack mount model.

- HE 2-channel hum eliminator  
Mfr. List \$75.00 **ONLY \$60.00**
- \*HE8 8-channel hum eliminator  
Mfr. List \$285.00 **ONLY \$228.00**


**BEHRINGER**  
**DI100**

With the Behringer DI100 active direct inject box, hum and impedance problems are a thing of the past.

Features: OT-1 transformer for ultra-linear frequency response; internal battery automatic shut off when phantom power is connected; ultra-low noise operational amplifier for outstanding audio quality; gold-plated XLR and 1/4" input/output jacks (XLR balanced); direct connection of amplifier output; switchable input attenuation allows input levels of up to +50 dBu; Ground Lift switch isolates grounding circuit for hum elimination.

- DI100 professional active direct inject box  
Mfr. List \$79.00 **ONLY \$69.00**


**EBTECH**  
**LLS/LLS8**

The LLS 2-channel unit converts back and forth between -10dBV and +4dBu, eliminates ground loop hum and converts between balanced and unbalanced signals at either end.

The LLS8 is an 8-channel rack mount unit.

- LLS 2-channel line level shifter  
Mfr. List \$90.00 **ONLY \$72.00**
- \*LLS-8 8-channel line level shifter  
Mfr. List \$345.00 **ONLY \$276.00**


**HENRY ENGINEERING**  
**MATCHBOXII/TWINMATCH**

MatchboxII is an ideal way to correctly interface consumer equipment with professional studio gear. The bi-directional unit features 4 independent amplifiers providing full stereo input and output interface; adjustable output levels and RF shielding. Balanced XLR and unbalanced RCA I/O.

Twinmatch is like the MatchboxII, but provides two stereo channels in one direction for playback of two consumer level units.

- MATCHBOXII bi-directional interface amplifier  
Mfr. List \$195.00 **ONLY \$163.00**
- TWINMATCH dual stereo interface amplifier  
Mfr. List \$195.00 **ONLY \$163.00**


**RDL**  
**STICK-ON SERIES**

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems. Active units require a 24-volt power supply such as the PS24A (sold separately).

- STA1 interface amplifier  
Mfr. List \$140.00 **ONLY \$113.00**
- STA1M audio line amplifier  
Mfr. List \$103.00 **ONLY \$83.00**
- STA2 line amplifier  
Mfr. List \$147.00 **ONLY \$119.00**
- STGCA1 gain control amplifier processor  
Mfr. List \$123.00 **ONLY \$100.00**
- STGCA2 fast gain control amplifier  
Mfr. List \$123.00 **ONLY \$100.00**
- STGLA1 gated line amplifier  
Mfr. List \$115.00 **ONLY \$93.00**
- STGSP1 gated speech preamplifier  
Mfr. List \$124.00 **ONLY \$100.00**
- STMA2 muting monitor amplifier  
Mfr. List \$81.00 **ONLY \$66.00**
- STP1 dual attenuator (passive)  
Mfr. List \$57.00 **ONLY \$46.00**
- STRG1 ramp generator  
Mfr. List \$106.00 **ONLY \$86.00**
- STVCA1 voltage controlled amp  
Mfr. List \$116.00 **ONLY \$93.00**
- STVOX1 audio control vox relay  
Mfr. List \$99.00 **ONLY \$80.00**
- STVP1 voice over module  
Mfr. List \$130.00 **ONLY \$106.00**
- PS24A power supply for RDL Stick-On™ series  
Mfr. List \$18.00 **ONLY \$15.00**
- STPDS power supply distributor  
Mfr. List \$66.00 **ONLY \$53.00**


**RDL**  
**STR19A**

Easily mount your RDL Stick-On series audio/electrical units into one 19" rack mount system.

STR-19A mounts up to 12 Stick-Ons with velcro attachments in a 2RU 19" rack mount.

STR-19B mounts up to 10 Stick-Ons at an angle, allowing for easier adjustments of all Stick-On units.

- STR19A racking system  
Mfr. List \$127.00 **ONLY \$103.00**
- STR19B racking kit  
Mfr. List \$150.00 **ONLY \$122.00**

## Interface Amplifiers



## RDL

## RU-LA2D/RU-BLA2

These compact unit offers outstanding audio performance and can be racked three across in only 1RU.

The RU-LA2D is a bi-directional impedance matching device for conversion from +4 balanced to -10 unbalanced equipment and vice-versa with XLR, RCA and barrier block connections.

The RU-BLA2 is designed to drive and/or buffer balanced audio lines. It features discrete dual channels with XLR I/O.

RULA2D IHF/pro interface Mfr. List \$274.00 **ONLY \$216.00**

RUBLA2 line driver/buffer Mfr. List \$238.00 **ONLY \$199.00**



## RUSS FRIEND

## CD100X

Here's an inexpensive tool for converting a -10 dBv source to +4 dBu. It's perfect for interfacing a consumer CD player to pro audio equipment. **Features:** RCA inputs and barrier strip outputs; recessed trim pots.

CD100X interface amplifier  
Mfr. List \$109.00 **ONLY \$104.00**



## SYMETRIX

## 303/307

The 303 stereo level matching amplifier accepts balanced or unbalanced outputs. Use it to interface a consumer DAT or cassette recorder to your recording console or to other +4 dBu nominal level equipment. **Features:** simple, affordable conversion of consumer audio; XLR and RCA input and output jacks; external power supply; half-rack-size unit.

The Symetrix 307 isolates ground, positive and negative audio paths to break up ground loops and improve overall system performance. The two input and two output isolation box interfaces balanced and unbalanced devices. **Features:** two high-performance audio transformers; euroblock terminal connectors for quick installation; increased resistance to RF interference; flexible grounding options; half-rack-size unit.

303 interface amplifier  
Mfr. List \$199.00 **ONLY \$170.00**

307 dual isolation transformer  
Mfr. List \$199.00 **ONLY \$170.00**

\* Non-inventory item subject to return restrictions.



## BROADCAST TOOLS

## 8X1DAS/XLR

Broadcast Tools' 8X1 routes any one of eight AES-ID or AES-3 digital inputs to three outputs. **Features:** programmable; last selected source memory; safety lock out; output muting; remote control/status and multi-drop RS-232 and RS-485 serial ports. Two versions are available: The 8X1DAS/XLR that's balanced AES-3 110 ohm with XLR connectors, or the 8X1DAS/BNC that's 75 ohm unbalanced AES-ID with BNC connectors.

8X1DAS/XLR digital audio switcher with XLR connectors  
Mfr. List \$509.00 **ONLY \$480.00**

8X1DAS/BNC digital audio switcher with BNC connectors  
Mfr. List \$509.00 **ONLY \$480.00**



## BROADCAST TOOLS

## PASSIVE SERIES

Broadcast Tools passive switchers offer excellent performance in a variety of configurations. All models feature local and remote control and status via contact closures and RS232 serial ports and balanced I/O. All audio connections are via removable screw terminals.

SS2.1/BNC offers passive switching/routing with 2 composite audio, video, or AES/EBU inputs to 2 composite audio, video, or AES/EBU outputs. **Features:** RS232 multi-drop serial port; last selected source memory; BNC connectors.

SS2.1/TERM offers passive switching/routing with 2 stereo inputs to 1 stereo output or vice-versa. **Features:** RS232 multi-drop serial port; last selected source memory; pluggable screw terminal connectors.

SS3.1 passively switches or routes any one of three stereo inputs to one stereo output or vice-versa. **Features:** step input with manual or automatic sequencing; remote control/status and RS232 serial port.

6X1 passively switches or routes any one of 6 stereo inputs to a single stereo out. **Features:** front panel selection switches with LED indicators; front panel safety lockout; programmable power-up selection; output muting and remote step input; last source selected memory.

10X1 passively switches or routes any one of 10 stereo inputs to one stereo output or vice-versa.

16X1 passively switches or routes any one of 16 stereo inputs to one stereo output or vice-versa.

SS2.1BNC 2x2 composite audio/video/AES switcher  
Mfr. List \$169.00 **ONLY \$151.00**

SS2.1TERMINAL 2X1 stereo audio switcher  
Mfr. List \$169.00 **ONLY \$151.00**

SS3.1 3X1 stereo audio switcher/router  
Mfr. List \$179.00 **ONLY \$164.00**

6X1 6X1 stereo audio switcher/router  
Mfr. List \$419.00 **ONLY \$404.00**

10X1 10X1 stereo audio switcher/router  
Mfr. List \$559.00 **ONLY \$531.00**

16X1 16X1 stereo audio switcher/router  
Mfr. List \$699.00 **ONLY \$657.00**

## Controllers/Switchers/Routers



## BROADCAST TOOLS

## SS8.2/SS12.4

SS8.2 provides active crosspoint switching with 8 stereo inputs, 2 stereo plus 2 mono outputs. **Features:** remote control and status via contact closures and RS232 serial ports as well as input and output level control and active balanced I/O.

SS12.4 accommodates 12 stereo inputs and 4 stereo outputs with matrix-style audio routing. **Features:** front panel 16-character, 2-line display shows source and destination descriptions; rotary encoder knob; three switching modes; optional remote control units.

SS8.2 8X2X2 stereo crosspoint switcher  
Mfr. List \$769.00 **ONLY \$746.00**

SS12.4 12X4 stereo crosspoint switcher  
Mfr. List \$949.00 **ONLY \$898.00**



## BROADCAST TOOLS

## 3X2/8X2D

With Broadcast Tools Active Series switchers any and all inputs can be routed to any and all outputs. All models feature local and remote control and status via contact closures and RS232 serial ports as well as input and output level control and active balanced I/O.

3X2 is designed to accommodate 3 stereo inputs and 2 stereo outputs. **Features:** two control modes; cascade multiple units; local and remote control and status via contact closures and RS232 serial ports; input and output level control and active balanced I/O.

8X2D accommodates 8 stereo inputs, 2 stereo and 2 mono outputs controlled via front panel switches with LED status indicators. **Features:** internal silence sensor; multi-turn input trimmers; programmable power-up selection; output muting; remote step input local; remote control and status via RS232 serial ports; input and output level control and active balanced I/O.

3X2 3X2 stereo audio switcher  
Mfr. List \$419.00 **ONLY \$404.00**

8X2D/EV 8X2X2 stereo audio switcher  
Mfr. List \$689.00 **ONLY \$619.00**



## BURK

## LX1

The Burk LX1 is a quality 6-input stereo selector. **Features:** 1x6 stereo source selector with soft switching (no pops or clicks); MIX mode, which allows multiple sources to be on the air with properly maintained levels; LOOP mode, which provides a send and return for an outboard audio processor or recorder; can be controlled from front panel, studio or remote control; start automation or tape with machine-follow outputs; matches IHF or PRO inputs; excellent audio specs; multicolored LED program level meters; all connections via plug-in screw-type connectors.

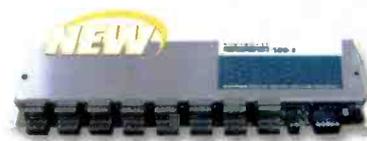
LX1 6-input stereo selector  
Mfr. List \$1,295.00 **ONLY \$1,185.00**



## Time Sync II

*GPS Time Referenced Relays*

Provides three separate GPS time referenced relay outputs. One relay pulses once every 15 minutes, one pulses at the "Top of the Hour" (00:00), and one is an open collector with a 100 ms pulse every second.



## SDD-8

*Serial Data Director*

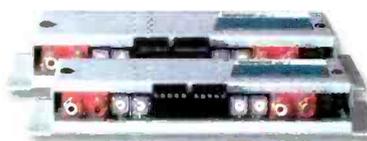
Provides a convenient way to control up to 8 serial devices from one serial port. Uses include control of satellite receivers, switchers or any device with an RS-232 serial port.



## ENC-16/DEC-16

*DTMF Encoder/Coupler & Decoder/Coupler*

ENC-16 encodes and DEC-16 decodes all 16 DTMF tones and act as an autodialing couplers with 16 SPST relaycontact closures and RS-232 interface.



## IPC-1/IPC-2

*Level Matching Interfaces*

Either bi-directional (IPC-1) or dual stereo (IPC-2) active level matching with input and output level controls, gold-plated RCA jacks and removable screw terminals.



## AVR-8

*Serial Data Director*

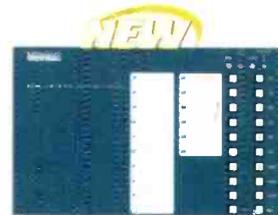
The AVR-8 automatically reports changes detected on its digital inputs by sending pre-recorded or custom user-recorded voice messages to a remote telephone. Includes 4 relays.



## DSC-20

*Dual Satellite Controller*

Allows the remote control of any combination of TWO StarGuide II and/or III, Wegener Unity 4000 or ComStream receivers by serial and contact closures.



## ICM-16/DT2

*Intercom Desktop Workstation*

New desktop unit works with the ICM-16 Controller for an intercom system of up to 16 stations. Includes built-in mic and speaker.



## ICM-16/MHI

*Intercom Monitor/Headphone Workstation*

Offers the ultimate in intercommunications. Unit integrates into your on-air and/or production console's monitor/headphone path.



## PSCII

*Programmable Schedule Controller*

Stores and controls up to 199 events and can be programmed with hour/minutes/seconds and day/month/year or day of week. Each event can control one of 16 provided spdt relays. Two independent serial ports, GPS receiver time base and more.



## DSC-32/64

*Dual Satellite Controller*

Allows the remote control by serial and contact closures of any combination of TWO StarGuide II and/or III, Wegener Unity 4000 or ComStream receivers. A 16 x 2 LCD display shows program descriptions.

**Controllers/Switchers/Routers**



**CONEX AS101**

The Conex AS101 provides silent, active switching for studio routing and monitoring. **Features:** allows any one of 10 stereo sources to be switched to the stereo output channel; switching is accomplished by pressing one of the buttons on the front panel, or via the optional remote control; several remote controls may be connected in parallel, and all will indicate the selected channel.

AS101 **audio switcher**  
Mfr. List \$962.00 **ONLY \$928.00**

AS402 **remote control for Conex AS101**  
Mfr. List \$161.00 **ONLY \$156.00**



**FURMAN SRM80**

The Furman SRM-80 signal router/monitor makes mixdown and dubbing simple and affordable. It facilitates mixdown and copying between different media types without tying up additional console channels and handles up to 4 stereo devices (such as DAT, cassette, CDs and MDs) in addition to main mix from the board. Monitoring is easy using the built-in headphone amp or uniquely thought out amplified speaker selection system. **Features:** power amp drives two speaker pairs; unit also accommodates one pair of self-powered speakers; speaker select function switches between speaker pairs; 40-segment high resolution metering for L/R monitor outputs; VU metering; DIM button reduces level by -15 dB and MONO sum button helps identify mix problem for radio compatibility.

SRM80 **signal router/monitor**  
Mfr. List \$499.00 **ONLY \$376.00**



**HENRY ENGINEERING STEREOSWITCH**

StereoSwitch is a cost effective way to remotely select between 3 stereo sources. **Features:** sealed relays with gold-plated contacts; no circuitry in the audio path, for totally transparent source selection; controlled with any momentary or maintained contact closure, open collector, TTL/CMOS logic, or DC voltage from 5-24 volts. User can choose which of the three inputs is automatically selected on power-up. Tally outputs provided to drive remote status indicators.

STEREOSWITCH **stereo switcher**  
Mfr. List \$250.00 **ONLY \$209.00**



**LOGITEK PRE SERIES**

The PRE-6 provides reliable, economical audio switching in a compact desktop chassis. **Features:** reliable 6 x 1 passive switching; buttons highlight when depressed; label strip for easy Input identification; enclosed, protected terminal block; may also be used as a 1-in/6-out distribution switcher; wire capturing terminal block connectors.

PRE-10 shares the same basic features as the PRE-6, but is configured in a single-space rack mount chassis in which any of 10 inputs can be fed to either of two outputs. Available in mono (PRE10M) or stereo (PRE10S) models.

PRE6 **stereo 6 x 1 passive switcher**  
Mfr. List \$125.00 **ONLY \$112.00**

\*PRE10M **mono 10x2 rack mount switcher**  
Mfr. List \$515.00 **ONLY \$460.00**

\*PRE10S **stereo switcher**  
Mfr. List \$560.00 **ONLY \$500.00**



**RDL RU-SX4**

The RU-SX4 is a very compact audio switcher (mono 4x1) for either local or remote control. **Features:** 4 line level bridging inputs to a single line level output (balanced or unbalanced); front panel multi-turn trimmers; solid state audio switching; multiple switching control points; switcher powers up in the off position (no audio input selected); front panel pushbutton steps through audio sources; remote source selection via normally open momentary switch; 1/2 second audio-on delay prevents annoying bursts of audio while stepping through audio inputs; front panel LED indicators.

RUSX4 **audio switcher**  
Mfr. List \$256.00 **ONLY \$208.00**



**RDL STD STICK-ON SERIES**

Radio Design Labs manufactures an entire line of high-quality interface devices for all kinds of applications. The STD series is a resistance branching network device with RF filtering on each of 4 channels. All inputs and outputs are balanced. Choose from the STD-150 (150Ω), STD-600 (600Ω) and STD-10K (10kΩ). STRX2 is a 1x2 audio routing switcher. STSX4 is a 4x1 audio switcher.

STD10K **10K ohm divider/combiner**  
Mfr. List \$50.00 **ONLY \$41.00**

STD150 **150 ohm divider/combiner**  
Mfr. List \$50.00 **ONLY \$41.00**

STD600 **600 ohm divider/combiner**  
Mfr. List \$50.00 **ONLY \$41.00**

STRX2 **audio routing switcher**  
Mfr. List \$101.00 **ONLY \$81.00**

STSX4 **4-input switcher**  
Mfr. List \$98.00 **ONLY \$80.00**



**TITUS TECH 3DRX**

The 3DRX has two stereo digital and one stereo analog input plus a stereo digital output. The 3DRX will automatically switch to the secondary digital input if the primary digital source fails (loss of lock, data error, etc.) and then switch to analog input if the two digital streams fail. **Features:** 32 kHz, 44.1 kHz or 48 kHz sample rates; local, remote or automatic control; up to 24-bit, 96 kHz stereo digital audio for all digital inputs and outputs.

\*3DRX **digital audio crosspoint switcher and repeater**  
Mfr. List \$950.00 **ONLY \$927.00**



**TITUS TECH MLW8**

MLW-8 offers two 4x4 matrix-style routers that feature push-button patching (two 16-button arrays with LED indicators) and 20 memory presets. Perfect for use with VTR's or multitrack audio systems.

With four balanced bridging inputs, the MLW-2 is primarily designed for the main audio path, allowing automatic crossfade to an alternate channel if a problem or loss of signal with the main channel is encountered.

\*MLW8 **audio router**  
Mfr. List \$1,995.00 **ONLY \$1,849.00**

\*MLW2 **audio router**  
Mfr. List \$1,800.00 **ONLY \$1,757.00**

**Patchbays**



**ADC PROPATCH MARK IV SERIES**

Pro Patch Mark IV patchbays utilize the new QCP IV punchdown system that provides gas tight connections for stranded and solid wires. These new terminals are round and more robust than previous versions and don't require orientation of the tool before punching. The new QB-4T tlp can be used in existing QB-2 punch tools. Our featured patchbays from this series are the PPA3-14MKIV that have two rows of 24 longframe jacks in a 2RU (3.5") chassis that's 14" deep. Choose the configuration you need. Patchbays with custom cable harnesses are also available. Call today.

\*PPA314MKIVNO **3.5" 2x24 longframe patchbay with normals brought out**  
Mfr. List \$900.00 **ONLY \$834.00**

\*PPA314MKIVHN **3.5" 2x24 longframe patchbay with half normals**  
Mfr. List \$750.00 **ONLY \$695.00**

PPA314MKIVNS **3.5" 2x24 longframe patchbay with normals strapped (fully normalled)**  
Mfr. List \$750.00 **ONLY \$695.00**

\* Non-inventory item subject to return restrictions.

## Patchbays


**ADC**  
**PPA/PPB SERIES**

These economical panels are perfect for the do-it-yourselfer wanting to build a custom patch assembly. All models are 1RU and feature a rear panel strain-relief bar to secure and dress out your wiring. PPA-1 has 2 rows of 24 longframe jacks. PPA1-26 has 2 rows of 26 longframe jacks. PPB has 2 rows of 48 bantam jacks.

PPA-1	patch panel, longframe jack 2x24
Mfr. List \$230.00	<b>ONLY \$213.00</b>
PPA1-26	patch panel, longframe jack 2x26
Mfr. List \$250.00	<b>ONLY \$232.00</b>
PPB3	patch panel, bantam jack 2x48
Mfr. List \$275.00	<b>ONLY \$255.00</b>


**TASCAM**  
**CUPB032 SERIES**

Tascam's affordable series of patchbays offer two rows of 16 jacks that are half-normalled top to bottom. Choose from four configurations: 1/4" to 1/4", 1/4" to RCA, RCA to RCA and TRS to TRS.

*CUPB032U	patchbay with 1/4" jacks front and back
Mfr. List \$120.00	<b>ONLY \$74.00</b>
*CUPB032H	patchbay with 1/4" jacks front, RCA jacks back
Mfr. List \$118.00	<b>ONLY \$62.00</b>
*CUPB032R	patchbay with RCA jacks front and back
Mfr. List \$115.00	<b>ONLY \$61.00</b>
*CUPB032B	patchbay with TRS jacks front and back
Mfr. List \$145.00	<b>ONLY \$76.00</b>
*CUPC145	set of 8 patch bay cables - 18" (RCA to RCA)
Mfr. List \$15.00	<b>ONLY \$8.00</b>
*CUPC245	set of 8 patch cables, 18" (1/4" to 1/4")
Mfr. List \$20.00	<b>ONLY \$9.00</b>
*CUPC945	set of 8 patch cables, 18" (TRS to TRS)
Mfr. List \$28.00	<b>ONLY \$12.00</b>


**AMERICAN RECORDER**  
**SNAKE SKIN**

This unique product makes an excellent covering for bundles of wire or cables. When your wires are tucked inside the Snakeskin they become a single audio "snake" cable that is easy to manage, providing a sleek, clean appearance. The wraparound design provides 100% coverage that holds wires snugly in place. Wires can be covered with or without ends attached and can be branched out at any point along the snake. Since Snakeskin is expandable, you can add wires to your bundle at any time. Choose 1/2" or 1" diameter sizes.

SKIN058B	8' section of 1/2" snakeskin cable organizer
	<b>ONLY \$14.67</b>
SKIN108B	8' section of 1" snakeskin cable organizer
	<b>ONLY \$17.60</b>

**HOSA**  
**WHD410**

Dress up multiple cable run. This 1" black flexible tubing is slit longitudinally to allow cables to enter or exit anywhere along its length. 10' lengths can be easily cut.

WHD410	1" black flexible tubing, 10'
Mfr. List \$18.00	<b>ONLY \$12.00</b>


**HOSA**  
**WTI148G**

Velcro ties.

WTI148G	8" velcro cable wrap - 5 pack
Mfr. List \$5.50	<b>ONLY \$3.40</b>


**SIEMON**  
**66B350**

Standard split punch block.

66B350	standard split punch block
Mfr. List \$24.00	<b>ONLY \$22.00</b>

**HOSA**  
**CABLE ADAPTORS**

GPP105	1/4" female - 1/4" female adaptor
Mfr. List \$4.50	<b>ONLY \$2.90</b>



GLT255	XLR female to XLR male ground lifted adaptor
Mfr. List \$13.00	<b>ONLY \$8.00</b>



GPR101	RCA female to 1/4" male adaptor
Mfr. List \$4.00	<b>ONLY \$2.20</b>



GRA101	RCA female to RCA female adaptor
Mfr. List \$3.50	<b>ONLY \$2.30</b>



## Connectors/Cable Accessories

GXF132	RCA female to XLR female adaptor
Mfr. List \$14.00	<b>ONLY \$8.00</b>



GXJ183	1/4" female - XLR male adaptor
Mfr. List \$14.25	<b>ONLY \$8.00</b>



GXJ235	1/4" female to XLR female adaptor
Mfr. List \$14.00	<b>ONLY \$8.00</b>



GXM133	RCA female to XLR male adaptor
Mfr. List \$13.00	<b>ONLY \$7.00</b>



GXX144	XLR male to XLR male adaptor
Mfr. List \$14.00	<b>ONLY \$8.00</b>



GXX145	XLR female to XLR female adaptor
Mfr. List \$16.00	<b>ONLY \$9.00</b>



GXX195	XLR female - XLR male phase reversed adaptor
Mfr. List \$13.00	<b>ONLY \$8.00</b>


**NEUTRIK/SWITCHCRAFT**  
**AUDIO CONNECTORS**

NC3FX	female XLR connector
Mfr. List \$4.00	<b>ONLY \$2.80</b>

NC3MX	male XLR connector
Mfr. List \$4.00	<b>ONLY \$2.60</b>

A3F	female XLR connector
Mfr. List \$5.00	<b>ONLY \$4.00</b>

A3M	male XLR connector
Mfr. List \$5.00	<b>ONLY \$4.00</b>

190	1/4" stereo phone plug (TRS)
Mfr. List \$8.75	<b>ONLY \$6.00</b>

280	1/4" mono phone plug
Mfr. List \$4.00	<b>ONLY \$4.00</b>

780	1/8" mini plug
Mfr. List \$5.00	<b>ONLY \$4.00</b>

Wire/Cable

**STUDIO WIRE**

- BELDEN 8451BLKBOX** 22 AWG cable with bonded shield, 1000 feet, black  
Mfr. List \$117.00 **ONLY \$104.00**
- BELDEN \*9451** 22 AWG cable with bonded shield, 1000 feet in box -black  
Mfr. List \$154.00 **ONLY \$91.00**
- GEPCO \*61801EZ-0** 22 AWG cable with bonded shield, 1000 feet, black  
Mfr. List \$130.00 **ONLY \$98.00**
- GEPCO \*D61801EZGF** 22 AWG very flexible zip-style dual pair cable  
Mfr. List \$355.75 **ONLY \$246.00**
- WEST PENN \*291** 22 AWG 2 cond w/shield wire, 1000 feet, gray  
Mfr. List \$80.00 **ONLY \$71.00**

**MULTIPAIR WIRE**

- \*GA61808** 8-pair cable with 22 AWG numbered pairs, price per foot  
Mfr. List \$2.00 **ONLY \$1.40**
- \*GA61812** 12-pair cable with 22 AWG numbered pairs, price per foot  
Mfr. List \$2.79 **ONLY \$1.80**
- \*GA61816** 16-pair cable with 22 AWG numbered pairs, price per foot  
Mfr. List \$3.79 **ONLY \$2.70**
- \*GA61826** 24-pair cable with 22 AWG numbered pairs, price per foot  
Mfr. List \$6.15 **ONLY \$4.00**

**MICROPHONE WIRE**

- BELDEN \*1192A** 24 AWG star quad, low noise mic cable, 1000'  
Mfr. List \$400.00 **ONLY \$390.00**
- BELDEN \*8412** 20 AWG 2-conductor mic cable, 250 feet  
Mfr. List \$140.00 **ONLY \$136.00**

**BSW can cover all your wire and cable needs!**

**NETWORK WIRE**

- BELDEN \*1\*00A** 4-pair enhanced Cat-5 cable, 1000 feet  
Mfr. List \$124.00 **ONLY \$124.00**
- WEST PENN \*WPS4782** Cat-5 4-pair plenum solid shielded network wire  
Mfr. List \$513.00 **ONLY \$513.00**

**COAX WIRE**

- BELDEN \*9913** low loss RG8 type cable, price per foot  
Mfr. List \$1.00 **ONLY \$.60**
- BELDEN \*9913F** high flex, low loss RG8-type cable, price per foot  
Mfr. List \$1.00 **ONLY \$.70**
- WEST PENN \*810** RG8 type non plenum cable, 1000 feet  
Mfr. List \$600.00 **ONLY \$410.00**

**DIGITAL WIRE**

- GEPCO \*DE596EZ** Dual AES/EBU digital audio wire with bonded shield, 1000 ft.  
Mfr. List \$557.70 **ONLY \$350.00**
- GEPCO \*5596EZ** 24 AWG AES/EBU digital audio wire with bonded foil shield  
Mfr. List \$387.50 **ONLY \$222.00**

**HOSA ADAPTOR/PATCH CABLES**



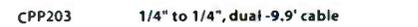
**CPP105** 1/4" to 1/4" -5' cable  
Mfr. List \$4.75 **ONLY \$3.00**



**CPP110** 1/4" to 1/4" -10' cable  
Mfr. List \$6.25 **ONLY \$4.00**



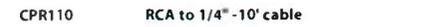
**CPP202** 1/4" to 1/4", dual -6.6' cable  
Mfr. List \$8.50 **ONLY \$6.00**



**CPP203** 1/4" to 1/4", dual -9.9' cable  
Mfr. List \$10.50 **ONLY \$6.00**



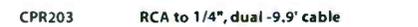
**CPR105** RCA to 1/4" -5' cable  
Mfr. List \$4.50 **ONLY \$2.80**



**CPR110** RCA to 1/4" -10' cable  
Mfr. List \$6.00 **ONLY \$3.60**



**CPR202** RCA to 1/4", dual -6.6' cable  
Mfr. List \$8.00 **ONLY \$5.00**



**CPR203** RCA to 1/4", dual -9.9' cable  
Mfr. List \$9.50 **ONLY \$6.00**



**CRA105** RCA to RCA -5' cable  
Mfr. List \$4.25 **ONLY \$2.70**



**CRA110** RCA to RCA -10' cable  
Mfr. List \$5.50 **ONLY \$3.00**



**CRA202** RCA to RCA, dual -6.6' cable  
Mfr. List \$7.50 **ONLY \$4.20**



**CRA203** RCA to RCA, dual -9.9' cable  
Mfr. List \$9.00 **ONLY \$4.80**



**CSS105** 1/4" TRS to 1/4" TRS -5' cable  
Mfr. List \$7.00 **ONLY \$4.80**



**CSS110** 1/4" TRS to 1/4" TRS -10' cable  
Mfr. List \$8.00 **ONLY \$6.00**



**PFX105** 1/4" mono to XLR female -5' cable  
Mfr. List \$12.00 **ONLY \$8.00**



**PFX110** 1/4" mono to XLR female -10' cable  
Mfr. List \$13.00 **ONLY \$9.00**



**PXM105** XLR male to 1/4" mono -5' cable  
Mfr. List \$11.00 **ONLY \$7.00**



**PXM110** XLR male to 1/4" mono -10' cable  
Mfr. List \$12.00 **ONLY \$8.00**



**STX105M** XLR male to 1/4" TRS -5' cable  
Mfr. List \$12.50 **ONLY \$8.00**



**STX105F** XLR female to 1/4" TRS -5' cable  
Mfr. List \$13.00 **ONLY \$8.00**



**XRM105** XLR male to RCA -5' cable  
Mfr. List \$10.50 **ONLY \$7.00**



**XRF105** XLR female to RCA -5' cable  
Mfr. List \$11.00 **ONLY \$8.00**



**YPP117** 1/4" TRS -1/4" female tip and ring y-cable  
Mfr. List \$7.00 **ONLY \$4.10**



**YPR102** 1/4" TRS male -2 RCA female y-cable  
Mfr. List \$4.75 **ONLY \$3.00**

\* Non-inventory item subject to return restrictions.

## Wire/Cable

## HOSA

## DIGITAL AUDIO CABLES

Hosa digital audio cables are durable and made of high-quality materials to ensure top performance. AES series cables are made with flexible Belden 1800f 110 ohm cable with balanced XLR connectors for use with AES/EBU compatible equipment. DRA series cables are double shielded 75 ohm coax with gold plated RCA connectors for S/PDIF applications. OPM are premium flexible fiber-optic cable with Toslink connectors utilizing a metal headshell and fiber guide. OPT series cables are standard Toslink cables with molded plastic connectors.



AE5003	3' AES/EBU digital cable	ONLY \$15.00
AE5005	5' AES/EBU digital cable	ONLY \$16.00
AE5010	10' AES/EBU digital cable	ONLY \$22.00
AE5015	15' AES/EBU digital cable	ONLY \$26.00
AE5020	20' AES/EBU digital cable	ONLY \$32.00



DRA501	3.3' S/PDIF digital cable	ONLY \$8.00
DRA502	6.6' S/PDIF digital cable	ONLY \$10.00
DRA503	9.9' S/PDIF digital cable	ONLY \$12.00
DRA504	13.2' S/PDIF digital cable	ONLY \$12.00



OPM303	3' premium fiber-optic cable	ONLY \$15.00
OPM305	5' premium fiber-optic cable	ONLY \$16.00
OPM310	10' premium fiber-optic cable	ONLY \$22.00
OPM315	15' premium fiber-optic cable	ONLY \$26.00
OPM320	20' premium fiber-optic cable	ONLY \$31.00
OPM330	30' premium fiber-optic cable	ONLY \$39.00
OPM350	50' premium fiber-optic cable	ONLY \$55.00



OPT102	2' fiber-optic digital cable	ONLY \$8.00
OPT103	3' fiber-optic digital cable	ONLY \$9.00
OPT106	6' fiber-optic digital cable	ONLY \$12.00
OPT110	10' fiber-optic digital cable	ONLY \$17.00
OPT113	13' fiber-optic digital cable	ONLY \$20.00
OPT117	17' fiber-optic digital cable	ONLY \$22.00
OPT130	30' fiber-optic digital cable	ONLY \$30.00
OPT150	50' fiber-optic digital cable	ONLY \$42.00



USB103AB	3' USB cable	ONLY \$5.00
USB105AB	5' USB cable	ONLY \$5.00
USB110AB	10' USB cable	ONLY \$6.00

BELDEN/HOSA  
SPEAKER WIRE

We stock high-quality, 14 AWG speaker wire in 100 ft. lengths. Order today.

SPEAKERWIRE	14 AWG speaker wire – 100 ft.
Mfr. List \$47.00	ONLY \$30.00

## SPEAKER CABLE

SKM625	speaker cable with 1/4" plugs – 25 ft.
Mfr. List \$18.75	ONLY \$14.00
SKM650	speaker cable with 1/4" plugs – 50 ft.
Mfr. List \$29.50	ONLY \$22.00



## Microphone Cables



## PROCO

## A. BSWMC24

Coiled black cable for interviews. 2.5' long retracted; extends to over 10'.

BSWMC24	coiled mic cable with XLR male and female
Mfr. List \$40.00	ONLY \$39.00

## B. IC6

Mic adapter cable for some portable recorders (please call for models).

IC6	XLR female to 1/8 mini – 6' cable
Mfr. List \$25.00	ONLY \$9.00

## C. M10/M25

Quality, low-loss mic cable in 10' or 25' lengths. XLR connectors at both ends.

M10	10' XLR mic cable	Mfr. List: \$20.00	ONLY \$11.00
M25	25' XLR mic cable	Mfr. List: \$23.00	ONLY \$13.00

## D. ME-15/ME-25

Quite possibly the finest microphone cable we carry, Merlin by Proco is Kevlar reinforced for unmatched strength and dependability. Custom Neutrik XLR connectors feature stainless steel housing with gold contacts and color-coded rings.

ME-15	15' XLR mic cable	Mfr. List: \$62.50	ONLY \$42.00
ME-25	25' XLR mic cable	Mfr. List: \$77.50	ONLY \$52.00

## REELCABLE

## E. RC25/RC-18S

Reelcable puts quick, easy and efficient cable management at your fingertips. Their self-extracting cord reels with ratchet-action and an adjustable cord stop puts an end to awkwardly hanging cables. The RC-25 is a 25-ft. retractable XLR cable.

The RC-18S is an 18 ft. multi-cable snake (2 XLRs and 1 headphone jack) with breakaway connectors, perfect for the ENG technician on the move.

RC25	retractable 25' XLR mic cable	Mfr. List \$140.00	ONLY \$130.00
RC-18S	retractable 18' XLR mic (x2)/headphone cable	Mfr. List \$299.00	ONLY \$272.00

Headphones

**Top Seller**



**AKG K66**

This dynamic, semi-open headphones provides exceptionally smooth frequency response with large 1.6" transducers. It also features a self-adjusting headband and single cord for maximum comfort and convenience. Includes mini-plug with 1/4" adaptor.

**K66 semi-closed-ear headphone**  
Mfr. List \$62.00 **ONLY \$39.95**



**AKG K141M**

A proven workhorse throughout the industry, the closed-ear format K141M has an integrated semi-open venting system behind the transducer giving it punchy, accurate and crisply defined sound. It features a flexible steel cable frame and self-adjusting headband. Frequency response is 20 Hz to 20 kHz. Rated impedance 600 ohms.

**K141M semi-closed-ear headphone**  
Mfr. List \$150.00 **ONLY \$79.00**



**AKG K240M**

The popular K240M headphone offers accurate reproduction at all listening levels, and good comfort with virtually no fatigue after prolonged use. Frequency response is 15 to 20,000 Hz. Includes mini-plug with 1/4" adaptor.

**K240M semi-closed-ear headphone**  
Mfr. List \$173.00 **ONLY \$89.00**



**AUDIO TECHNICA ATH-D40/ATH-M40**

These headphones offer bulletproof durability in a sealed-ear format. Ear pads rotate 180° to permit one-ear monitoring. ATH-M40 has a flat frequency response from 5 Hz to 28 kHz.

ATH-D40 features enhanced bass (boost from 20 to 500 Hz). Both headphones can be driven loud. Includes 1/4" TRS connector.

**ATHM40FS closed-ear headphone**  
Mfr. List \$150.00 **ONLY \$104.00**

**ATHD40FS closed-ear headphone**  
Mfr. List \$150.00 **ONLY \$104.00**



**BEYERDYNAMIC DT770PRO**

DT770PRO from Beyer offers extremely wide frequency response (5 Hz - 35 kHz), excellent isolation and maximum comfort with "Bass Reflex" technology for improved bass response. 600 ohm nominal impedance. Mini-plug with 1/4" adaptor.

**DT770PRO closed-ear headphone**  
Mfr. List \$199.00 **ONLY \$159.00**



**FOSTEX T20RP**

The Fostex T20RP headphones can handle high SPL without distortion. They offer sturdy construction with soft, comfortable fit in a semi-closed format. Removable cable is easily replaced. Frequency response 50 Hz to 30,000 Hz. 1/4" TRS connector.

**T20RP semi-closed-ear headphone**  
Mfr. List \$119.00 **ONLY \$89.00**

**BSW Exclusive!**  
Hard-Wired 1/4" Connector



**Koss TD60**

**Koss UR30**

**KOSS TD60/UR30**

Koss makes great low cost headphones. The lightweight, sealed-ear TD60 delivers great sound, provides good isolation to help prevent feedback, and is very affordable. Plus, BSW offers the exclusive advantage of a hard-wired 1/4" connector on the TD60. Order plenty for your station today.

The new UR30 has oversize ear cushions for complete isolation and are collapsible for easy packing. The impedance is only 100 ohms.

**TD60 closed-ear headphone**  
Mfr. List \$20.00 **ONLY \$19.00**

**UR30 closed-ear headphone**  
Mfr. List \$34.95 **ONLY \$25.00**



**KOSS PRO4AA**

The PRO4AA has been preferred by professionals for years. It delivers an extended range with outstanding sensitivity. Comfortable ear cushions provide a complete seal. Freq. response is 10-22,000 Hz. 1/4" TRS connector.

**PRO4AA closed-ear headphone**  
Mfr. List \$100.00 **ONLY \$79.00**



**SENNHEISER HD25SP**

The popular Sennheiser HD25SP offers a lightweight and comfortable alternative for listeners who spend a great deal of time wearing headphones and need maximum isolation. They are extremely rugged, with low impedance, high sensitivity drivers for unparalleled efficiency. Frequency response is 16 Hz to 22 kHz. Mini plug connector with 1/4" adaptor.

**HD25SP closed-ear headphone**  
Mfr. List \$130.00 **ONLY \$89.95**

\* Non-inventory item subject to return restrictions.

## Headphones

NEW

Sony 7509


**SONY**  
**MDR-7509**

Offering the ultimate in durability and audio performance, the MDR-7509 is a no-compromise reference design for high-end music recording, post production and broadcast studio use. An impressive 5-30,000 Hz frequency response is possible thanks to an amorphous diamond diaphragm and large 50 mm driver, while the headphone's massive 3W power handling ability allows it to be driven safely from a studio monitoring amplifier without overload. An invaluable ergonomic design feature allows the headphones to be folded up with both ear cups facing each other, reducing extraneous noise spill when they are left plugged in but unused in a studio.

\*7509  
 Mfr. List \$260.00  
 headphone  
**ONLY \$189.00**

**Top  
 Seller**

Sony 7506


**SONY**  
**7500 SERIES**

Sony headphones are some of the most popular in the broadcast industry, and at these prices they're extremely affordable! Sony MDR-7506 headphones deliver a surprisingly wide frequency range (5 to 30,000 Hz) in a comfortable, sealed ear format providing maximum isolation from external sound.

The unique MDR-7505 features 40 mm drivers with swivel earcups that allow for easy single-sided monitoring. Frequency response is 16 Hz to 22 kHz.

The Sony 7502 is a favorite economy headphone with surprisingly clear and rich sound. All models include a mini-plug connector with 1/4" adaptor.

7506 closed-ear headphone	Mfr. List \$177.00	<b>ONLY \$99.00</b>
7505 semi-closed-ear headphone	Mfr. List \$135.00	<b>ONLY \$80.00</b>
7502 semi-closed-ear headphone	Mfr. List \$77.00	<b>ONLY \$49.00</b>

Sony 7505



Sony 7502



## Headphone Amplifiers


**BEHRINGER**  
**POWERPLAY PRO HA4400**

The POWERPLAY PRO HA4400 features 4 state-of-the-art stereo amplifiers with separate level controls. Each amplifier also sports an individual stereo AUX input.

HA4400  
 Mfr. List \$149.00  
 4-channel headphone amplifier  
**ONLY \$119.00**


**FOSTEX**  
**PH-50**

Drive up to 5 sets of headphones with this handy headphone distribution amplifier. Each output has its own 100mW amplifier with individual level settings. In addition, use the AUX IN as a connection for a cue system. Units may be cascaded for more outputs.

PH-50  
 Mfr. List \$279.00  
 5-channel headphone amplifier  
**ONLY \$222.00**


**FURMAN**  
**HA6A**

Furman HA6A powers up to 6 pairs of headphones with a very generous 20 watts per channel. It can also power one or two sets of small monitor speakers, often saving the cost of an additional power amp. The front panel provides six stereo headphone jacks with independent volume controls and two speaker switches. Order today.

HA6A  
 Mfr. List \$419.00  
 6-channel headphone amplifier  
**ONLY \$316.00**


**JK AUDIO**  
**REMOTEAMP**

Remote Amp is a simple battery-powered personal belt clip headphone amplifier. It accepts an XLR input from your mixer, distribution amplifier or phone line hybrid and offers a volume control. The low distortion, 1 watt amplifier will cut through the crowd noise without distortion.

REMOTEAMP  
 Mfr. List \$215.00  
 headphone/earpiece amplifier  
**ONLY \$190.00**


**OZ AUDIO**  
**HM6 Q-MIX**

This unique headphone matrix amplifier can create 6 independent headphone mixes at once. Each output channel can be fed any mix of the main stereo input and the 4 auxiliary inputs. Q-Mix features balanced inputs and a sturdy metal chassis. Great for your complicated remotes or busy control rooms.

HM6  
 Mfr. List \$349.00  
 headphone matrix amp  
**ONLY \$280.00**


**OZ AUDIO**  
**HR4**

The HR-4 is a high-power, single-rack-space headphone amp with 4 separate power amplifiers. All four headphone channels can be switched between the main input and individual inputs. Features: front and rear outputs for each headphone channel; individual front volume controls; balanced main line inputs; built-in power supply.

HR4  
 Mfr. List \$219.00  
 4-channel headphone amplifier  
**ONLY \$176.00**



Plug it in.



Set it up.

## NEW 506E HEADPHONE AMPLIFIER

Go change the oil in the station van.

### 506E Features

- ▶ Internal power supply
- ▶ 6 direct ins and 6 direct outs
- ▶ Assignable LCR mono cue input
- ▶ Proprietary high voltage drive technology
- ▶ Crystal clear, low distortion for reduced listening fatigue
- ▶ Optional 4-way mounting HR-1 Remote with audio loop thru for daisy chaining

You've got **better** things to do with your time than worry about your station's audio... change light bulbs, fix the PD's radar detector, figure out where all the new batteries went.

**The New 506E HEADPHONE AMP** has everything you need to make your monitoring setup a snap.

The 506E features an internal power supply (no wall wart or line lump), LCR assignable cue input for IFB or producer talkback, and the Symetrix name.

Call BSW at 800 426-8434 to get yours today.

Then you can think about the **more important** things.

## Headphone Amplifiers

# PROBLEM SOLVERS

Rolls products are known world-wide for solving those little problems that every contractor/installer encounters. We make mixers, phantom power adapters, personal monitor amps, signal processors, and more.



## HEADPHONE AMPS



Rolls headphone amplifiers are loud. They are preferred in environments from noisy industrial plants to loud rock concert stages.



## PHANTOM POWER SUPPLIES



Rolls has 16 mixers ranging from 4-channel passive to 10-channel stereo.

## MIXERS



**ROLLS CORPORATION**

For info on all Rolls products, see our website [www.rolls.com](http://www.rolls.com)

## TEST EQUIPMENT

Rolls has signal generators, cable testers, and now the new PT102 Phase Tester.



We've got something for the job



### RANE

### Classic Headphone Amp

#### HC6

On the HC6, the main stereo inputs drive 6 stereo headphone amplifiers through individual volume controls. Each headphone amp also has its own separate input which independently bypasses the main stereo input.

HC6 6-channel headphone amplifier  
Mfr. List \$499.00 **ONLY \$381.00**



### WHIRLWIND

#### PA-1

The Whirlwind PA-1 is a high-quality, portable stereo headphone amp. It accepts both balanced and unbalanced stereo line level signals through paralleled XLR and 1/4" TRS inputs. A mono/stereo switch allows selection of either stereo or mono operation. In mono mode, two separate inputs can be mixed in conjunction with the balance control. A pad switch attenuates the input -20 dB. It operates on two 9-volt batteries or AC power.

PA-1 headphone amplifier  
Mfr. List \$189.95 **ONLY \$148.00**



### ROLLS

#### RA62HA/RA53/HA43

Rolls offers portable and rack mount headphone amplifiers for varied applications. The RA62HA features 6 stereo channels with independent output controls on each channel. The stereo input includes a pan control and a mono switch to mix two mono sources. Insert jacks are provided so each can be used independently.

The RA53 gives you 5 outputs with individual level controls and plenty of gain. Features: good selection of inputs including inserts on 2 channels; link input/output for connecting two units together; 1/4" and RCA right and left inputs; 1/4" TRS stereo input; 1/4" mono input.

The compact 4-channel HA43 is perfect for any application where space is limited. Mini-slide faders adjust individual volumes. An AC adaptor is included.

RA62HA	6-channel headphone amplifier
Mfr. List \$190.00	<b>ONLY \$163.00</b>
*RA53	5-channel headphone amplifier
Mfr. List \$160.00	<b>ONLY \$138.00</b>
HA43	4-channel headphone amplifier
Mfr. List \$100.00	<b>ONLY \$72.00</b>



### SYMMETRIX

#### 506E/HR-1/304S



The 506E headphone amplifier has everything you need to make monitoring setup a snap. It features an internal power supply (no wall wart or line lump) and LCR assignable cue input for IFB or producer talkback.

**Features:** 6 direct inputs and 6 direct outputs; proprietary high voltage drive technology; crystal clear, low distortion for reduced listening fatigue; outputs are also provided at the rear panel to provide output to the Symmetrix HR-1 headphone remote.

HR-1 is a remote with audio loop thru for daisy chaining. It offers flexible mounting configurations so it more easily fastens to your console or other equipment.

The 304S stereo input, 4-output headphone amplifier is the improved version of the old, but popular SX204. It features individual volume controls for each channel plus a master input volume control; pass-thru jacks to permit daisy-chaining of multiple units.

506E	6-channel headphone amplifier
Mfr. List \$529.00	<b>CALL FOR PRICE</b>
HR1	headphone remote for Symmetrix 506E
Mfr. List \$65.00	<b>CALL FOR PRICE</b>
304S	4-channel headphone amplifier
Mfr. List \$299.00	<b>CALL FOR PRICE</b>

\* Non-inventory item subject to return restrictions.

Studio Microphones

**AKG**  
**C414BULS**

Type: large diaphragm electret condenser. Pickup Pattern(s): cardioid, hypercardioid, omnidirectional and figure-8. Features: low self-noise; high overload point; 126 dB dynamic range; switchable 10 & 20 dB attenuation; frequency range 20-20,000 Hz; includes stand adapter and windscreen; requires phantom power. Optional Accessories: GS-5 windscreen.



C414-TL2 is a special vocal version with transformerless output and a special capsule tuned to the human voice.

**C414BULS**  
studio condenser microphone  
Mfr. List \$1,100.00 **ONLY \$799.00**

**C414B/TLII**  
studio condenser microphone  
Mfr. List \$1,165.00 **ONLY \$999.00**



**FREE**  
AKG K240M Headphone  
with Purchase of  
AKG C4500B



See page 73 for K240M information.

**AKG**  
**C4500B/BC**

The AKG C4500B/BC is a front-address, large-diaphragm condenser microphone designed for use in professional broadcast environments. It's immune to electrostatic and magnetic fields and provides an extremely wide dynamic range and low self-noise. Features: 20 dB pad and a bass roll-off (6 dB/octave below 120Hz); Internal shock mount; operates on all phantom power voltages; self-noise 8 dB; max SPL 155dB; dynamic range 137 dB. The microphone includes an H100 spider suspension and W4000 windscreen. Includes free AKG K240M headphones with purchase! Order today.

**C4500BK240PKG** studio condenser microphone Mfr. List \$645.00 **ONLY \$499.00**

**NEW**

**NEW Broadcast Microphone**

**AKG**  
**C3000B**

Type: large diaphragm electret condenser. Pickup Pattern: cardioid. Features: true 1" diaphragm; gold-sputtered membrane; 6 dB/octave bass roll-off switch; switchable 10 dB internal pad for use in high SPL environments; 3mm thick internal windscreen; includes elastic spider suspension. Optional Accessories: GS-5 windscreen.



**C3000B**  
studio condenser microphone  
Mfr. List \$520.00 **ONLY \$300.00**

**ALESIS**  
**AM51/AM52**

The GT-series AM51 and AM52 offer the superb sound of high-end, large-diaphragm condenser microphones at prices broadcasters and project recording studios can afford. Using solid-state field effect transistor (FET) circuitry, they provide an extremely transparent representation of the acoustic signal, with no coloration and extremely low distortion and self-noise. Features: large diameter 3-micron gold-evaporated mylar diaphragm; switchable -10 dB pad; switchable low frequency roll-off (75 Hz); high SPL handling for very loud sources. The AM51 has a fixed cardioid polar pattern. The AM52 offers 3 switchable polar patterns: cardioid, omni and figure-8.



**AM51** single-pattern FET studio microphone  
Mfr. List \$649.00 **ONLY \$499.00**

**AM52** multi-pattern FET studio microphone  
Mfr. List \$799.00 **ONLY \$599.00**



**AUDIO TECHNICA**  
**AT4050/CM5**

The AT4050/CM5 is similar to the AT4033 (below) and adds omni-directional and figure-8 polar patterns. Features: remarkable combination of warm, transparent sound and super-high SPL capability; three switchable polar patterns; large-diaphragm design for extended frequency response; symmetrical direct-coupled electronics for excellent transient response and low distortion; switchable 80 Hz hi-pass filter and 10 dB pad; includes AT8441 spider shock mount.

**AT4050/CM5** studio capacitor microphone w/ shock mount  
Mfr. List \$995.00 **ONLY \$599.00**

**AKG**  
**C2000B**

The medium diaphragm (1/2") C2000B features a cardioid pickup pattern and is an excellent "entry level" model for anyone looking for an affordable, high-quality cardioid recording microphone. It offers almost ruler-flat response providing a crystal-clear, "up-front" sound. Other features include switchable bass rolloff filter, a 10dB preattenuation pad, a built-in pop screen, rugged construction and an elegantly styled die-cast metal housing with silver-gray finish.



**C2000B**  
studio condenser microphone  
Mfr. List \$298.00 **ONLY \$199.00**



**Top Seller**

**AUDIO TECHNICA**  
**AT4033SM**

Type: large-diaphragm capacitor. Pickup Pattern: cardioid. Features: sensitivity and dynamic range of higher-end studio mics; switchable high-pass filter; internal windscreen; includes spider shock mount. Optional Accessories: GS-5 windscreen.

**AT4033SM** studio capacitor microphone  
Mfr. List \$495.00 **ONLY \$349.00**

\* Non-inventory item subject to return restrictions.

## Studio Microphones

AUDIO  
TECHNICA  
AT4047SV

Audio-Technica's AT4047/SV studio mic is the perfect blend of classic sound and modern engineering. It offers the sonic characteristics reminiscent of early F.E.T. studio mics and delivers the consistent performance you've come to expect from A-T's 40 Series. Features: cardioid capacitor mic; exceptionally low self-noise and wide dynamic range; gold-plated dual diaphragms; switchable 80 Hz hi-pass filter and 10 dB pad; shock mount.

AT4047SV studio capacitor mic  
Mfr. List \$695.00 **ONLY \$499.00**

AUDIO  
TECHNICA  
AT3525

Type: condenser. Pickup Pattern: cardioid. Features: outstanding performance; flat, extended frequency response (30 Hz to 20 kHz; high SPL handling capability (146 dB); switchable 80 Hz hi-pass filter; 10 dB pad; includes multi-position shock mount and protective pouch.

\*AT3525 studio condenser microphone  
Mfr. List \$339.00 **ONLY \$196.00**

AUDIX  
CX101/CX111

Type: large capsule condenser. Pickup Pattern: cardioid. Features: very low noise floor (17 dBA); rugged brass housing with black satin finish; CX111 adds -10 dB pad and bass roll-off switch; both mics include a shock mount and aluminum carrying case. Optional Accessories: 2-channel phantom power supply and windscreens.

CX101 studio condenser mic  
Mfr. List \$499.00 **ONLY \$399.00**

CX111 studio condenser mic  
Mfr. List \$599.00 **ONLY \$499.00**

BEYERDYNAMIC  
M99

Type: dynamic. Pickup Pattern: cardioid. Features: large diaphragm neodymium specially tuned element; selectable equalization curves; excellent off-axis rejection; very low handling noise; robust sound; includes suspension mount.

M99 studio dynamic neodymium mic  
Mfr. List \$795.00 **ONLY \$636.00**

ELECTRO-VOICE  
RE27ND

Type: dynamic. Pickup Pattern: cardioid; Features: neodymium alloy magnet provides sensitivity, output and clarity that rivals expensive studio condensers; very consistent response no matter the distance from the mic; excellent off-axis rejection; includes stand clamp. Optional Accessories: 309A spider shockmount; WS1 windscreens.

RE27ND studio dynamic neodymium mic  
Mfr. List \$840.00 **ONLY \$473.00**

CLASSIC  
Broadcast MicELECTRO-VOICE  
RE20

This dynamic cardioid studio mic is an industry staple and extremely durable. Its patented, Variable-D™ design eliminates bass-boosting proximity effect when close micing and its bass roll-off switch helps to shape low-end response. Frequency response is 45 to 18,000 Hz. Includes stand clamp. Optional Accessories: 309A spider shock mount; WS1 windscreens.

RE20 studio dynamic mic  
Mfr. List \$798.00 **ONLY \$374.00**

NEUMANN  
TLM103

TLM103 is an ideal large diaphragm mic for professional applications requiring superb sound quality on a limited budget. By utilizing the tried and true transformerless circuit found in numerous Neumann microphones, the TLM103 offers low self-noise (7 dBA) and the highest sound pressure level transmission. This condenser mic features a cardioid pickup pattern and includes a swivel mount. A wooden box is also included. Optional Accessories: EA103 spider shock mount; WS87 windscreens.

TLM103 studio condenser mic  
Mfr. List \$995.00 **ONLY \$714.00**



## Low Priced Studio Microphones

## SUPERLUX CM-H8B

Looking for a wonderful large diaphragm microphone at an affordable price? The Superlux CM-H8B cardioid condenser studio microphone has a switchable -10 dB pad and external bass roll-off. Includes stand mount and case.

CMH8B studio condenser mic  
Mfr. List \$179.99 **ONLY \$149.99**

HM7 spider shock mount  
Mfr. List \$49.99 **ONLY \$39.99**



## MARSHALL MXL2001P

Here's an ideal mic for projects demanding world-class sound at an affordable price. The large capsule (1"), gold-sputtered diaphragm condenser adds tremendous clarity, presence and detail to your vocals. Cardioid pick-up pattern and bass cut. Optional shock mount available.

MXL2001P studio condenser mic  
Mfr. List \$199.95 **ONLY \$155.00**

MXL56 shock mount for Marshall MXL2001  
Mfr. List \$49.95 **ONLY \$33.00**



## MARSHALL MXL2003

The MXL2003 cardioid condenser is intended for the most critical recording applications where tremendous clarity, presence and detail are required. Its 1.06" capsule is coupled through an electromagnetic screen to a FET preamp with a wideband transformerless output. It also comes complete with a high isolation shockmount (MXL56).

MXL2003 studio condenser mic  
Mfr. List \$300.00 **ONLY \$279.00**



beyerdynamic))))))

## Remains the Broadcast Standard

World class headsets, a full range of shotgun microphones, some of the world's finest lavaliers, state of the art ENG/EFP interview microphones, on-air and voice-over microphones.



M 99



M 58



DT 290



MCE 5



MCE 86



MC 837

For 77 years a quality manufacturer of broadcast products.

beyerdynamic))))))

For more information contact  
[www.beyerdynamic.com](http://www.beyerdynamic.com)

## Studio Microphones

### NEUMANN

#### TLM193

TLM193 Type: large diaphragm, double membrane condenser. Pickup Pattern: cardioid. Features: very low self noise (10 dB-A); extremely clear; warm sound; 130 dB dynamic range; precision German craftsmanship; includes swivel mount and wooden box. Optional Accessories: EA193 spider shockmount; WS89 windscreen.

TLM193  
single-pattern studio condenser mic  
Mfr. List \$1,195.00 **ONLY \$936.00**



### NEUMANN

#### U87AI

U87AI Type: large-diaphragm condenser. Pickup Patterns: cardioid, omnidirectional and figure-8. Features: exceptional warmth and clarity; 115 dB dynamic range; 20 to 20,000 Hz frequency range. Optional Accessories: EA87 spider shockmount (also sold together with cable and windscreen as Set Z); SG367 swivel mount; WS87 windscreen.

\*U87AI  
multi-pattern studio condenser mic  
Mfr. List \$2,625.00 **ONLY \$1,932.00**



### RØDE

#### NT1

Type: large diaphragm condenser. Pickup Pattern: cardioid. Features: low noise transformerless FET circuitry; gold plated diaphragm membranes; pop filtering; 135 dB dynamic range; frequency response 20 to 20,000 Hz; plastic flight case.

NT1RODE studio condenser mic  
Mfr. List \$349.00 **ONLY \$199.00**



### RØDE

#### NT2

Type: large diaphragm condenser. Pickup Pattern(s): omnidirectional and cardioid. Features: gold plated diaphragm membranes; high-pass filter; -10 dB pad; frequency response 20 to 20,000 Hz. Optional Accessories: SM1 shock mount; windscreen; aluminum flight case.

NT2 studio condenser mic  
Mfr. List \$649.00 **ONLY \$399.00**



### SHURE

#### KSM44/KSM32

The new KSM44 is a multiple pattern (cardioid, omnidirectional, bidirectional), externally biased, dual large diaphragm condenser microphone with extremely low self-noise (7dB). Developed to meet the needs of studio recording musicians, the warm, rich sound of the KSM44 delivers exceptional performance, tailored to deliver vivid reproduction of voice for the most critical recordings. Features: dual 1-inch, externally biased, ultra-thin, 2.5 micron, gold-layered Mylar diaphragms; Class A, discrete, transformerless preamplifier for transparency, fast transient response and no crossover distortion; full-range frequency response (20 Hz - 20 kHz) for an extremely accurate reproduction of voice and instruments; extremely low self noise (7 dBA); subsonic filter eliminates rumble from mechanical vibration below 17 Hz; 15 dB attenuation switch for handling high input SPL sound sources; 3-position switchable low-frequency filter virtually eliminates unwanted background noise and controls proximity effect; integrated three-stage pop protection grille; an internal shock mount; includes elastic-suspension shock mount, swivel mount, protective velveteen pouch, aluminum carrying case.

The Shure KSM32 is a more affordable condenser mic with cardioid pickup pattern.

KSM44SL studio condenser mic  
Mfr. List \$1,340.00 **ONLY \$699.00**

KSM32SL studio condenser mic  
Mfr. List \$1,029.00 **ONLY \$588.00**



**NEW**



### SENNHEISER

#### MD421II

This classic dynamic microphone offers warm reproduction of lows and outstanding high-end with a frequency response of 30 Hz to 17 kHz. Besides the very rugged Sennheiser construction, the MD421II features a five-position bass roll-off switch and cardioid pickup pattern. Right now, BSW is including the MZ5421 suspension shock mount FREE with your purchase (a \$50.00 retail value). A stand clamp is also included.

MD421II studio dynamic mic  
Mfr. List \$485.00 **ONLY \$299.95**

**FREE**  
Shock Mount  
with Purchase of  
MD421II

### SOUND DELUXE

#### R-1

When Soundeluxe set out to design this latest edition of their well known FET condenser mic, they worked in cooperation with on-air personalities and broadcast engineers to create a sound just for radio. The affordable R-1 offers the rich, clear and articulate voice reproduction broadcasters require. And its low self-noise ensures compatibility with today's digital recording and delivery systems. Features: 1" diaphragm; transformerless FET circuitry; frequency range 20 Hz to 18 kHz; dynamic range 126 dB; internal pop filter; wood box; optional doughnut and spider shockmounts.

R-1 studio condenser microphone  
Mfr. List \$599.00 **ONLY \$455.00**

DS doughnut shockmount  
Mfr. List \$59.00 **ONLY \$50.00**

SPIDER spider shockmount  
Mfr. List \$250.00 **ONLY \$195.00**



Now also  
includes large  
windscreens  
like the classic  
Shure SMSB!



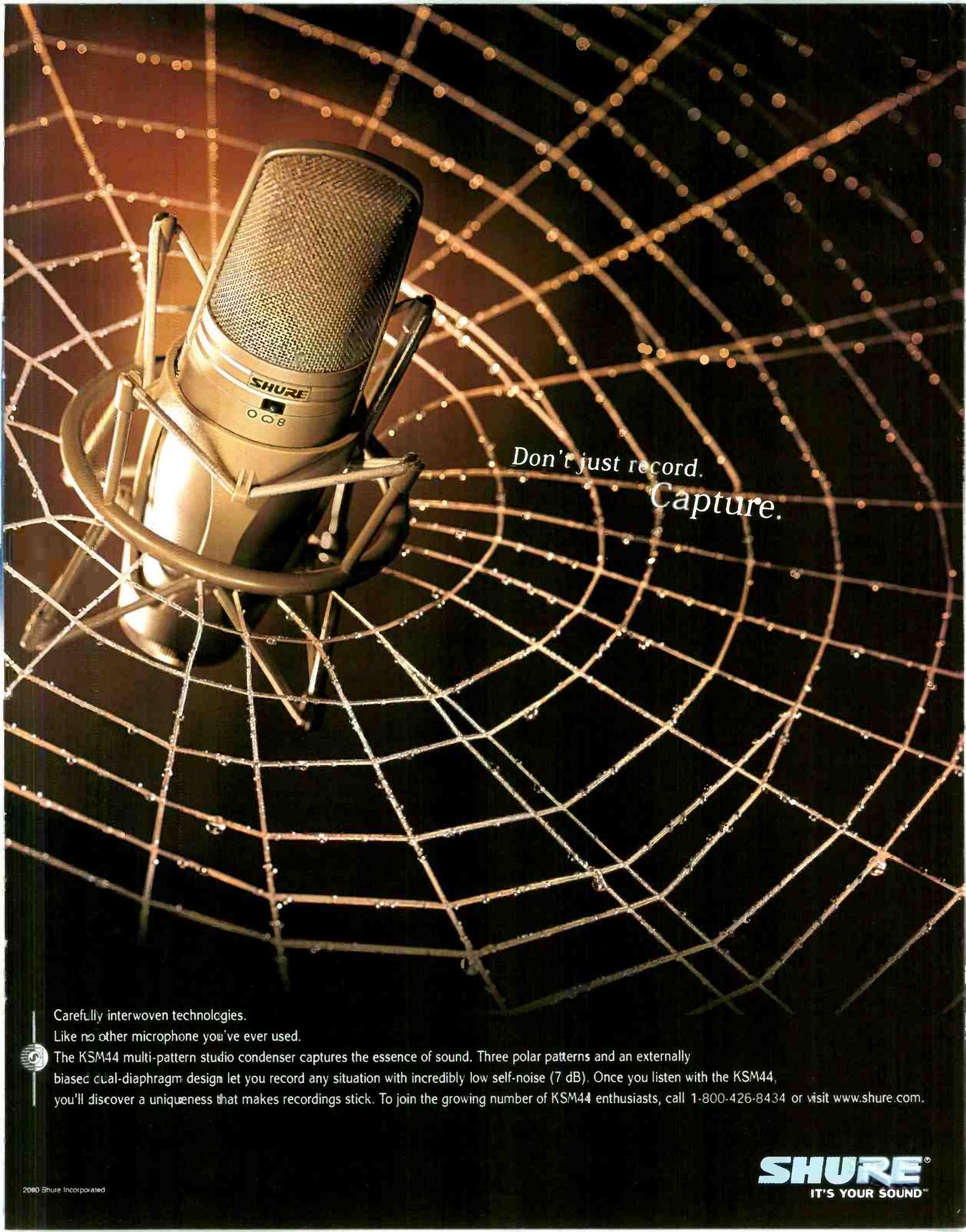
### SHURE

#### SM7B

An all-time favorite, the Shure SM7B dynamic cardioid microphone is known for its warm sound and unpronounced proximity effect. Features: classic cardioid polar pattern, uniform with frequency and symmetrical about axis, to provide maximum rejection and minimum coloration of off-axis sound; flat, wide-range frequency response for exceptionally clean and natural reproduction of both music and speech; bass rolloff and mid-range emphasis (presence boost) controls with graphic display of response setting; Improved rejection of electromagnetic hum, optimized for shielding against broadband interference emitted by computer monitors; internal "air suspension" shock isolation virtually eliminates mechanical noise transmission. The SM7B now ships with the original windscreens plus a larger version similar to the classic SMSB windscreens.

SM7B studio dynamic microphone  
Mfr. List \$595.68 **ONLY \$299.00**

**Top Seller**

A professional Shure KSM44 studio condenser microphone is suspended in a spiderweb. The web is illuminated with a warm, golden light, creating a complex, geometric pattern of lines and nodes. The microphone is positioned in the upper left quadrant, with its silver grille and body clearly visible. The background is dark, making the glowing web stand out.

*Don't just record.  
Capture.*

Carefully interwoven technologies.

Like no other microphone you've ever used.

The KSM44 multi-pattern studio condenser captures the essence of sound. Three polar patterns and an externally biased dual-diaphragm design let you record any situation with incredibly low self-noise (7 dB). Once you listen with the KSM44, you'll discover a uniqueness that makes recordings stick. To join the growing number of KSM44 enthusiasts, call 1-800-426-8434 or visit [www.shure.com](http://www.shure.com).

**SHURE**<sup>®</sup>  
IT'S YOUR SOUND™

## Handheld Microphones

## AUDIO TECHNICA

## AT804

Type: dynamic. Pickup Pattern: omnidirectional. Features: excellent interview mic; super rugged construction; frequency response 50 Hz to 15 kHz; includes stand clamp and carrying bag. Optional Accessories: WS600 series windscreen; M10 mic cable; IC6 interview cable (XLR/mini).

AT804 handheld dynamic mic  
Mfr. List \$110.00 **ONLY \$77.00**



## AUDIX

## OM6/OM5

OM6 Type: dynamic. Pickup Pattern: hyper-cardioid. Features: designed for voice; high output with natural, undistorted sound; extended low end response; high SPL levels without distortion; very low handling noise; superior off-axis rejection. Optional: WS900 series windscreen; M25 cable.

OM5 is lower price, but lacks some of the extended low end response of the Audix OM6.

OM6 dynamic hypercardioid handheld microphone  
Mfr. List \$349.00 **ONLY \$235.00**

OM5 dynamic hypercardioid microphone  
Mfr. List \$299.00 **ONLY \$214.00**



## BEYERDYNAMIC

## TGX58

Here's an excellent entry level handheld vocal mic at a very affordable price. It offers a supercardioid polar pattern and high gain before feedback, allowing it to perform well in close proximity to live monitor speakers. Additional features include a special soft lacquer finish on the mic barrel and a locking ON/OFF switch.

TGX58 handheld dynamic mic  
Mfr. List \$99.00 **ONLY \$80.00**



## BEYERDYNAMIC

## MCE58/M58

The Beyer MCE58 omnidirectional condenser mic has an internal shock mount to dramatically reduce handling noise and offers very accurate voice reproduction. Frequency response is 40 Hz to 20 kHz. It also has an on/off switch (great for DAT and MD recording) and includes windscreen and case.

M58 is the popular handheld dynamic version without on/off switch.

MCE58 handheld condenser mic  
Mfr. List \$419.00 **ONLY \$336.00**

M58 handheld dynamic mic  
Mfr. List \$279.00 **ONLY \$224.00**



Top Seller

ELECTRO-VOICE  
635A

Electro-Voice's popular dynamic interview mic features an omnidirectional pickup pattern, voice-tailored response and extra rugged metal construction at a price that'll make you smile. Includes stand clamp and unterminated cable.

635A handheld dynamic microphone  
Mfr. List \$172.00 **ONLY \$103.00**

ELECTRO-VOICE  
N/D267A / N/D767A

N/D267 Type: dynamic. Pickup Pattern: cardioid. Features: large diaphragm for extended frequency response; tuned for vocal clarity; multistage shock mount for very low handling noise; includes stand clamp and soft carry bag.

N/D767A adds a bass roll-off switch and a gentle rise in mid-frequencies.

\*ND267A supercardioid microphone  
Mfr. List \$180.00 **ONLY \$99.00**

\*ND767A dynamic supercardioid vocal microphone  
Mfr. List \$252.00 **ONLY \$139.00**

ELECTRO-VOICE  
RE50B/RE50DB

The Electro-Voice RE50 is an excellent reporter's mic. It features a built-in shock mount and blast filter for lower handling and wind noise. Type: dynamic. Pickup Pattern: omni-directional. Features: standard or neodymium models.

RE50B handheld dynamic mic  
Mfr. List \$256.00 **ONLY \$169.00**

\*RE50NDB handheld dynamic neodymium mic  
Mfr. List \$280.00 **ONLY \$185.00**

ELECTRO-VOICE  
RE16

If you're looking for a quality mic for precise pickup and fine audio reproduction, try the RE16. The supercardioid model features wide, flat response with minimal off-axis coloration. Type: dynamic. Pickup Pattern: super-cardioid. Features: frequency response 80 Hz to 15 kHz; includes stand clamp. Optional Accessories: WS300 series windscreen.

RE16 handheld dynamic microphone  
Mfr. List \$334.00 **ONLY \$220.00**

SHURE  
SM57LC

The classic SM57's carefully contoured frequency means rich, warm vocal pickup and clean, well defined instrumental reproduction. It's especially popular as an affordable dynamic podium mic. Choose it for your next press conference or speaking engagement. Pickup Pattern: cardioid. Features: rugged construction; frequency response 40 to 15,000 Hz; includes stand clamp and protective vinyl pouch. Optional Accessories: WS5700 series windscreen; M25 mic cable.

SM57LC handheld dynamic microphone  
Mfr. List \$146.00 **ONLY \$79.00**

SHURE  
SM58LC/SM58S

This popular and affordable handheld mic is just what you need for remote events, music gigs or speaking engagements. It features a cardioid pickup pattern, distinctive vocal presence peak and integral windscreen. Type: dynamic. Features: includes stand clamp and case; Optional Accessories: WS900 series windscreen; M25 mic cable.

SM58S adds an on/off switch.

SM58LC handheld dynamic microphone  
Mfr. List \$188.00 **ONLY \$99.00**

SM58S handheld dynamic mic with on/off switch  
Mfr. List \$196.00 **ONLY \$110.00**



# FIRST CHOICE FOR EVERY VOICE



You've spent years perfecting your voice with just the right articulation and timbre to get you into broadcast. You need a microphone that faithfully delivers that sound to your audience. That's why broadcasters everywhere choose the Electro-Voice RE20 and RE27N/D. Their wide-band response and Variable-D® design delivers an outstandingly clear performance every time. Variable-D® eliminates the up-close "proximity effect" bass boost that makes other directional microphones sound "muddy."

Why not check out EV's entire family of problem-solving broadcast microphones. Every one guaranteed unconditionally against malfunction from even accidental abuse, for two years from the date of purchase. The first choice of professionals...

**EVERY TIME, EVERYWHERE.**



635A  
&  
635A/B

RE50/B  
&  
RE50N/D-B

RE27N/D

RE20

RE16



## Handheld Microphones

## SHURE

## BETA87A/BETA87C

Type: condenser. Pickup Pattern: supercardioid. Features: studio quality sound for live vocals; excellent gain-before-feedback; sleek body design is perfect for handheld use; 3-stage pop filter; requires phantom power. Optional Accessories: WS900 series windscreen.

The BETA87C has a less accentuated HF peak than the 87A. Cardioid pickup pattern.

**BETA87A**  
handheld supercardioid microphone  
Mfr. List \$445.06 **ONLY \$249.00**

**BETA87C**  
handheld cardioid microphone  
Mfr. List \$455.08 **ONLY \$249.00**



## SHURE

## BETA58A

Type: dynamic. Pickup Pattern: supercardioid. Features: warmth of an original SM58 with an even smoother presence rise and extended top end; superior shock isolation and tight polar pattern help eliminate unwanted handling and background noise; includes stand clamp and case; Optional Accessories: WS900 series windscreen; M25 mic cable.

**BETA58A**  
handheld dynamic microphone  
Mfr. List \$288.85 **ONLY \$159.00**



## SHURE

## VP64A/VP64AL

The affordable Shure VP64A omni-directional interview mic sounds great and is extremely rugged. It's neodymium magnet provides increased output and improved clarity. A windscreen and stand clamp are included. Type: dynamic. Optional Accessories: M10 mic cable; IC6 interview cable.

VP64AL has longer (9 5/8") handle.

**VP64A** handheld dynamic mic  
Mfr. List \$120.36 **ONLY \$68.00**

**\*VP64AL** handheld dynamic mic  
Mfr. List \$140.76 **ONLY \$79.00**



## ACE

## MB-12

The MB-12 nylon bag keeps 12 mics protected in foam and includes accessory compartments.

**MB-12**  
12-microphone carry case  
Mfr. List \$99.95 **ONLY \$73.00**



## Specialty Microphones

NEW

AUDIO TECHNICA  
AT815ST/AT835ST

These special purpose mics (in either long or short shotgun) are affordable and offer superb audio pickup. Features: compact, lightweight design is perfect for camera-mount use; independent line-cardioid and figure-8 condenser elements; switchable low-frequency roll-off; switch selection of non-matrixed M-S mode and two internally-matrixed left/right stereo modes.

AT815B/AT835B are economical mono shotgun microphones.



<b>AT815ST</b>	long stereo shotgun microphone	Mfr. List \$999.00	<b>ONLY \$799.00</b>
<b>AT835ST</b>	short stereo shotgun microphone	Mfr. List \$899.00	<b>ONLY \$719.00</b>
<b>AT815B</b>	long mono shotgun microphone	Mfr. List \$399.00	<b>ONLY \$277.00</b>
<b>AT835B</b>	short mono shotgun microphone	Mfr. List \$329.00	<b>ONLY \$228.00</b>

AUDIO  
TECHNICA  
AT825/AT822

Type: condenser. Pickup Pattern: X/Y stereo. Features: fully mono compatible; 220° pickup field; LF roll-off switch; AA battery/phantom powering; AT825 has dual XLR output cable; AT822 has dual mini plug and stereo mini plug output cables (perfect for portable DATs and video cams); mics include windscreens, mic clip and vinyl pouch.

**AT825** stereo condenser mic  
Mfr. List \$525.00 **ONLY \$364.00**

**AT822** stereo condenser mic  
Mfr. List \$399.00 **ONLY \$277.00**

AUDIO TECHNICA  
AT895RK

The AT895 system incorporates a revolutionary DSP-controlled 5-element microphone array that provides adaptive directional audio acquisition. It manipulates the output of the array by acoustical, analog and digital means. This process enhances the pickup of sound from a desired direction relative to unwanted background noise, providing cancellation of up to 80 dB. It's perfect for handheld interviews as well as long-range pickup. The AT895RK package includes microphone; 6-conductor shielded cable (10') with XLR7F connectors; carrying case; zeppelin-type windscreens; pistol-grip shock-mount; click-on battery holder; AT895CP control pack. Call today on this microphone package.

**AT895RK** adaptive array microphone  
Mfr. List \$2,995.00 **ONLY \$2,696.00**

BEYERDYNAMIC  
MCE82

Type: condenser. Pickup Pattern(s): two condenser capsules with cardioid polar patterns. Features: angular width 90° (± 45° of the microphone axis); elastic transducer suspension system; switchable bass roll-off switch; battery or phantom powered; LED indicator for battery condition.

**MCE82** stereo condenser mic  
Mfr. List \$749.00 **ONLY \$600.00**



Specialty Microphones

**BEYERDYNAMIC**  
**MC837PV**

Beyer's popular shotguns include the 20-inch long MC837PV hypercardioid/lobe condenser with very wide frequency response and 12 dB attenuation switch. **Features:** low self noise; superb off-axis noise rejection; phantom power supply.

\*MC837PV long shotgun microphone  
Mfr. List \$1,479.00 **ONLY \$1,184.00**



**BEYERDYNAMIC**  
**MCE865.1**

Type: condenser shotgun. Pickup Pattern(s): lobe/hypercardioid. **Features:** high sensitivity; superb off-axis rejection; non-reflective finish; supplied with shockmount and stand clamp. Optional Accessories: fishpole booms, blimp windscreens and various shockmounts, battery/phantom/XLR. Call for prices today.

MCE865.1 shotgun microphone  
Mfr. List \$529.00 **ONLY \$424.00**



**ELECTRO-VOICE**  
**ENG618**

This professional boom mic extends to 6 feet and is easy to hold (and it's extremely lightweight, only 2 lbs.!). It's also highly directional and offers coverage from 18 inches to 25 feet. The Electro-Voice condenser microphone can be phantom or battery powered. The unit also offers a built-in headphone amp with adjustable gain. Type: condenser. Pickup Pattern: hypercardioid.

ENG618 boom microphone  
Mfr. List \$1,534.00 **ONLY \$1,010.00**



**SHURE**  
**SM89**

Type: condenser shotgun. Pickup Pattern: supercardioid. **Features:** natural sound; unique port design which decreases off-axis coloration; ultra-light construction; includes windscreens and carrying case. Optional Accessories: A89SM shock mount.

SM89 shotgun microphone  
Mfr. List \$1,134.65 **ONLY \$631.00**



**Top Seller**

**SENNHEISER**  
**ME66**

The Sennheiser ME66 supercardioid condenser shotgun mic features extremely high sensitivity, low self-noise and high-frequency boost for greater clarity on long range pickup. BSW also has all the accessories you need so you can completely outfit your mic. Call today for prices. Options: K6 power supply (required); blimp windscreens; shockmount; pistol grip.

ME66 short shotgun microphone  
Mfr. List \$250.00 **ONLY \$194.00**

K6 powering module for k6 series  
Mfr. List \$285.00 **ONLY \$200.00**

K6RD powering module for semi-pro cameras  
Mfr. List \$285.00 **ONLY \$200.00**



Sennheiser MZS20-1



Sennheiser MZW60-1



Sennheiser MZH60-1

MZS20-1 shock mount w/ pistol grip  
Mfr. List \$310.00 **ONLY \$272.00**

MZW60-1 Zeppelin windscreen  
Mfr. List \$280.00 **ONLY \$243.00**

MZH60-1 windsock  
Mfr. List \$175.00 **ONLY \$152.00**

MZW66PRO foam windscreen  
Mfr. List \$69.00 **ONLY \$60.00**



**SENNHEISER**  
**MKH70/MKH60**

The MKH70P48 is Sennheiser's long 16-inch shotgun with lobar pickup. High-end features include switchable treble emphasis, switchable roll-off filter, infrasonic cut-off and ultra-low inherent self-noise.

MKH60 is the shorter 11-inch shotgun with both supercardioid and lobar pickup patterns.

Optional Accessories: phantom power supplies, windscreens; shockmounts; pistol grip.

\*MKH70P48 long shotgun microphone  
Mfr. List \$1,850.00 **ONLY \$1,500.00**

\*MKH60P48 short shotgun microphone  
Mfr. List \$1,600.00 **ONLY \$1,280.00**

**SHURE**  
**VP88**

Type: condenser. Pickup Pattern: M-S stereo. **Features:** adjustable stereo width control and direct mid and side element output; fully mono compatible; includes windscreens, stand clamp and XLR Y cable. Requires phantom power or internal 6-volt battery. Optional Accessories: A88SM shock mount; A88ZK zeppelin windscreen kit.

VP88 stereo condenser mic  
Mfr. List \$1,217.88 **ONLY \$682.00**



**AUDIO TECHNICA/  
ELECTRO-VOICE/  
SENNHEISER/SHURE  
LAVALIER MICROPHONES**

These three extremely small lapel mics are used throughout the broadcast industry. The Audio Technica AT803B condenser omni lavalier offers high intelligibility for vocal reproduction at low cost. The Electro-Voice RE90L is a popular condenser omni with 50 to 18,000 Hz frequency range. The Sennheiser MKE2-60/K6 condenser omni comes with a permanently attached steel reinforced cable and XLR connector for phantom power. The Sennheiser K6 power supply is included. The new Shure WL50 electret condenser features an omnidirectional pickup pattern and allows for two different sensitivities and interchangeable equalization caps for optimal clarity and response. Ask our sales professionals to help you get the right one for your application.

AT803B lavalier microphone  
Mfr. List \$190.00 **ONLY \$132.00**

\*RE90L lavalier microphone  
Mfr. List \$242.00 **ONLY \$160.00**

\*MKE2-60/K6 lavalier mic system with power supply  
Mfr. List \$647.00 **ONLY \$455.00**

\*WL50 lavalier mic  
**CALL FOR PRICE**

\* Non-Inventory item subject to return restrictions.

## Microphone Preamplifiers


**ART**  
**PRO MPA/DUAL MP 254**

PRO MPA is ART's flagship stereo vacuum tube preamp. Two hand-selected 12AX7A tube gain stages provide over 70 dB of superior tube warmth and punch, monitored by full VU and tube character metering. Variable input, output and high pass filtering is augmented by switchable gain, phase reverse and phantom power. Balanced XLR and unbalanced 1/4" I/O.

The streamlined DUAL MP features the same acclaimed tube sound of the PRO MPA. It's perfect for remotes, yet retains extensive controls. **Features:** 20 dB pad; variable input gain; phase reverse; phantom power; XLR and unbalanced 1/4" I/O.

*210ART	dual tube microphone preamp
Mfr. List \$679.00	<b>ONLY \$539.00</b>
254	dual microphone preamp
Mfr. List \$369.00	<b>ONLY \$295.00</b>

**ART**  
**TUBE MP STUDIO**


The Tube MP Studio features: analog VU meter; output protection limiter; 12AX7A vacuum tube; variable input and output gain controls; provides over 60 dB of gain; +48 phantom power switch; phase reversal switch; XLR and 1/4" inputs and outputs.

TUBEMPSTUDIO	tube mic preamp w/ limiter and VU
Mfr. List \$159.00	<b>ONLY \$125.00</b>

**ATI**  
**ML200**

The ATI ML200 is high-quality mic preamplification in a compact package. **Features:** flat frequency response; servo balanced line outputs (+22 dBm); front panel selection of phantom power (regulated +20VDC, optional 48VDC available); input/output peak flasher; independent front-panel gain controls. Power supply sold separately. Options: rack mount kit.



ML200	dual microphone preamp
Mfr. List \$299.00	<b>ONLY \$277.00</b>
WA100-1	power supply
Mfr. List \$13.00	<b>CALL FOR BEST PRICE</b>

**BENCHMARK**  
**MICMANJR**

The MicMan Jr. is a high-quality stereo microphone preamp system. Its low noise and wide gain range make it ideal for portable situations where unknown sound pressure levels are expected. **Features:** stereo or dual preamplification; internal battery and external AC power; up to 8 hours operation with alkaline batteries; front-panel gain controls and max gain limit trim; LED power indication; balanced XLR I/Os.



MICMANJR	microphone preamp
Mfr. List \$425.00	<b>ONLY \$385.00</b>


**DBX**  
**386**

The dbx 386 two-channel mic preamp provides unparalleled flexibility in an affordable package. By combining the warmth and coloring of dual 12UA7 vacuum tubes, with the proprietary dbx Type IV™ conversion system, the dbx 386 is the perfect cross-platform tool for digital and analog applications. It boasts a plethora of high-end features including digital output in both AES/EBU and S/PDIF formats. **Features:** 200 tube plate voltage; 75 Hz low-cut filter; phase reverse; 60 dB of gain and +/- 15 dB of output gain; selectable mic/line switch; 48 V phantom power; 20 dB pad; selectable 96, 88.2, 48 or 44.1 kHz; XLR and 1/4" TRS analog I/Os; AES/EBU and S/PDIF digital outputs; word clock sync input and output.

*386	tube microphone preamp
Mfr. List \$599.95	<b>ONLY \$499.00</b>


**PRESONUS**  
**M80**

The M80 mic preamp can warm up any digital signal path with wonderful analog sound. **Features:** eight channel mic preamp, each channel with discrete Class A input amplifiers followed by a twin servo gain stage for ultra low noise and wide gain control; phantom power; phase reverse; 20 dB pad; rumble filter; +28 dB headroom and full output metering per channel; low impedance stereo mix buss for assigning and panning any channel to the main stereo output connectors; steel chassis; balanced XLR and TRS inputs and outputs; separate send and return jacks for inserting dynamics processors.

*M80	8-channel microphone preamp
Mfr. List \$2,299.95	<b>ONLY \$1,799.95</b>


**PRESONUS**  
**MP20**

The MP20 is a two-channel Class-A discrete, dual servo, microphone preamplifier with a stereo mix buss. **Features:** 20 dB pad; 48v phantom power; 80 Hz roll-off filter; polarity reverse; IDSS control creates vintage warmth by adjusting even harmonic distortion; 12-segment level meter; high output headphone amplifier; low impedance stereo mix bus can be used for full control over stereo imaging (mix output connectors are XLR balanced); XLR balanced input/output connectors as well as separate send and return jacks for inserting dynamics processors; 1/4", high Z input on the front panel for instrument preamplification.

*MP20	2-channel microphone preamp
Mfr. List \$699.95	<b>ONLY \$499.95</b>


**RANE**  
**DMS22**

The Rane DMS22 features dual XLR inputs; stereo output with separate pan and level controls; 3-band EQ; selectable 15/50/100 Hz low cut filter; 48v phantom power; polarity invert switches; XLR and TRS outputs.

DMS22	mic preamp
Mfr. List \$549.00	<b>ONLY \$414.00</b>


**SOUND DEVICES**  
**MP1**

This superb mic preamp by Sound Devices delivers studio-quality sound in the field on two "AA" batteries. Designed for high-bandwidth 96 kHz, 24-bit digital productions, this device has a dynamic range that exceeds 120 dB, a bandwidth of more than 50 kHz and selectable phantom power. It's built like a tank, but weighs only 1.2 lbs. **Features:** maximum 66 dB of gain, adjustable in eleven steps; dual-stage, extended range peak limiter; selectable 12 and 48-volt phantom power; 6 dB per octave high-pass filter selectable at 80 and 160 Hz; aluminum chassis.

MP1	microphone preamp
Mfr. List \$420.00	<b>CALL FOR PRICE</b>


**SYMETRIX**  
**302S**

Designed for broadcast, sound reinforcement, and digital and analog recording, the Symetrix 302 offers substantial sonic improvement over stock mixers or console preamps. It features solid stereo imaging, excellent transient response, very low noise and almost undetectable distortion. **Features:** polarity reversal switches and 15 dB pads on both channels; +48 volt phantom power; gain variable from 20 to 60 dB; works with virtually any professional microphone.

302S	microphone preamp
Mfr. List \$299.00	<b>CALL FOR PRICE</b>


**SYMETRIX**  
**306**

The 306 is a streamlined paging/foreground music front-end with comprehensive ducking controls. Separate threshold, depth, hold and release adjustments allow precise modulation of program material in the presence of a page. **Features:** output gain adjustable over a ± 20 dB range; XLR mic/line in for paging systems with switchable phantom power available for condenser mics; stereo RCA line input for foreground music and program sources.

306	microphone preamp/ducker
Mfr. List \$299.00	<b>CALL FOR PRICE</b>





## AUDIO TECHNICA CP8201

This device from Audio Technica matches low-impedance microphones to high-impedance electronic inputs (250-50,000 ohms). It permits the use of long microphone cables and maintains high-frequency response while reducing noise pickup. Call BSW today.

CP8201 impedance transformer  
Mfr. List \$20.00 **ONLY \$16.00**



## CRYSTAL BIG EARS

Big Ears is a true parabolic reflector capable of picking up sounds from well over 200 feet away. At approximately 25" diameter and only 5 lbs., it's perfect for sportscasting, films, ENG, theater, surveillance and news gathering. Made of a patented Kevlar, Butyrate and Acrylic combination, it offers remarkable clarity over a wide frequency range. It comes complete with handle and microphone yoke with spaces for mounting wireless equipment. Available in 6 transparent colors.

Little Ears are smaller and lower cost.

\*BIGEARS parabolic reflector  
Mfr. List \$1,329.00 **ONLY \$1,293.00**

\*LITTLEEARS parabolic reflector  
Mfr. List \$879.00 **ONLY \$854.00**

## MIDDLE ATLANTIC G55

The G55 is an effective way to reduce or eliminate P-popping without sound coloration. Features: double nylon screen for superior performance; unobtrusive black 5" filter frame; 13" black gooseneck; brass tipped locking screw prevents scratching of mic stands.



G55 mic pop stopper  
Mfr. List \$27.00 **ONLY \$17.00**

## POPLESS VAC SERIES

VAC™ is an adjustable pop filter for upgrading the quality of your vocals. The VAC system goes between the vocalist and the microphone, functioning as a variable acoustic compressor, filtering out popping and sibilance. It consists of two acoustic screens with a ball and socket precision positioning system that mounts on a gooseneck or at the end of a mic stand. You control the amount pop and sibilance filtering by using just one screen or adding the second screen and adjusting the distance between them.

VAC3.5 3.5 inch diameter screen  
Mfr. List \$36.00 **ONLY \$28.00**

VAC3.5C clamp and gooseneck for VAC3.5  
Mfr. List \$59.00 **ONLY \$45.00**

VAC6 6 inch diameter screen  
Mfr. List \$36.00 **ONLY \$28.00**

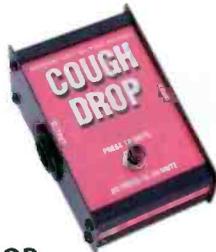
VAC6C clamp and gooseneck for VAC6  
Mfr. List \$59.00 **ONLY \$45.00**



## POPLESS VACRE20

The VAC-RE20 model is specifically designed to attach to the Electro Voice RE20 Microphone and its 309/A shock mount (one of the radio broadcast industry standard setups.) Simply unscrew one of the thumbscrews on either side of the shock mount, install the VAC-RE20 and put the screw back. The VAC-RE20 tracks the microphone as it is moved. Each DJ can have their own set of screens and "pop" them in for their air time, especially helpful during flu season.

VACRE20 pop filter for EV RE20 or RE27N/D  
Mfr. List \$46.00 **ONLY \$33.00**



## PROCO COUGHDROP

Quick, hit the cough button! The Cough Drop from ProCo is a simple mic mute offering clean, reliable performance with nearly any balanced or floating low impedance (150Ω nominal) microphone or signal source.

COUGHDROP mic mute switch box  
Mfr. List \$55.00 **ONLY \$42.00**



## PROCO MS42A/MC2

MS42A has 4 channels with single female XLR input and 2 isolated XLR male outputs. Output ground lift switches. MC2 with 2 female XLR Ins, 1 male XLR out with input polarity reverse switch.

MS42A microphone splitter  
Mfr. List \$333.00 **ONLY \$232.00**

MC2 microphone combiner  
Mfr. List \$129.96 **ONLY \$91.00**



## RDL STAMC3

STAMC3 is an active mic combiner. STAMPA2 is a phantom power supply.

STAMC3 active mic combiner  
Mfr. List \$117.00 **ONLY \$96.00**

STAMPA2 mic phantom power module  
Mfr. List \$85.00 **ONLY \$69.00**

## Microphone Accessories



## ROLLS PB23/PB24

Provides 12 or 48 V DC phantom power. PB23 includes AC/DC adaptor. The PB24 also operates on two 9-volt batteries with approximate life of 20 hours.

PB23 phantom power supply  
Mfr. List \$60.00 **ONLY \$43.00**

\*PB224 phantom power supply  
Mfr. List \$100.00 **ONLY \$72.00**



## WHIRLWIND LITTLEIMP

Little Imp from Whirlwind allows you to use professional-level microphones with consumer-level inputs (XLR low-Z input to 1/4" high-Z output). Order one or more today.

LITTLEIMP impedance matcher  
Mfr. List \$20.00 **ONLY \$10.00**



## WHIRLWIND MICPOWER/SPLITTER SERIES

Micpower provides +12 to +18 VDC phantom power. Operates on two 9-volt batteries for approximately 50 hours. Includes battery level LED.

Splitter1X2 provides one low impedance XLR input to two low Impedance XLR, transformer-isolated outputs with separate ground lifts.

MICPOWER portable phantom power supply  
Mfr. List \$120.00 **ONLY \$80.00**

SPLITTER1X2 1 in 2 out microphone splitter  
Mfr. List \$100.00 **ONLY \$67.00**

SPLITTER1X3 1 in 3 out microphone splitter  
Mfr. List \$120.00 **ONLY \$78.00**



## ULTRALIFE U9VL-FP

Ultralife lithium batteries offer superior performance and last up to 4 times longer than alkaline 9-volt batteries. Make sure you pack them in all your remote equipment.

U9VL-FP Battery Ultralife Lithium  
**ONLY \$7.99**

## Microphone Accessories

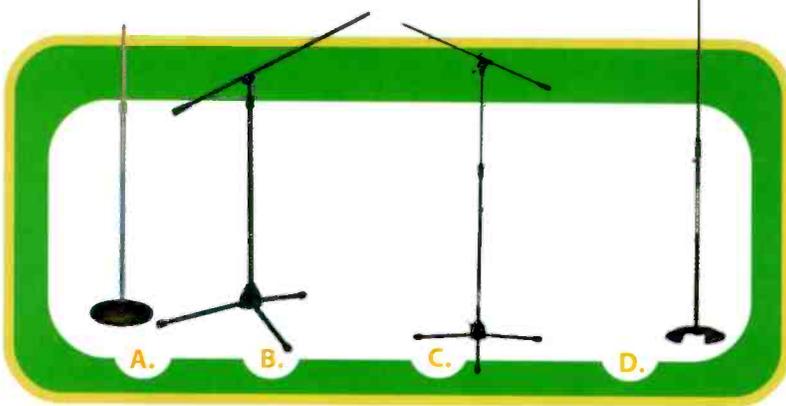
### WINDTECH WINDSCREENS

WindTech™ windscreens are high quality, cost effective, come in a large variety of colors and fit most microphone models. These screens are made of an open-cell, hypo-allergenic foam that won't color sound, yet provide maximum protection against wind-noise and P-popping. The nature of their composition makes them long-lasting, holding their shape and color even after washing. Just call BSW, specify the mic you are using and the color you prefer.



MD421U and RE20 shown with WSI

Series	Description	Inside Diameter	ONLY
WS1	X-large cylindrical	2"	\$23.75
*900	large spherical	1 5/8"	\$4.96
300	regular spherical	1 3/8"	\$4.82
600	small spherical	1"	\$4.38
*5700	squared cylindrical	1"	\$4.38
*1200	large cylindrical	3/4"	\$4.16
*1300	small cylindrical	5/8"	\$3.93
*500	podium	1/2"	\$3.75
*1100	lapel	1/4"	\$3.63
*1500	round lavalier	3/8"	\$3.75
*2300	mini round lavalier	3/16"	\$3.36
*2100	teardrop	1/4"	\$3.90



### ATLAS

#### A. MS12C

10" weighted base. Adjustable from 34" to 62". Black or silver.

MS12C floor mic stand  
Mfr. List \$50.00 **ONLY \$27.00**

#### B. TE16BE

Rugged tripod mic stand with boom. Stand height adjustable from 35" to 60". Boom extends to 25 1/2". Black.

TE16BE ebony mic stand with/boom  
Mfr. List \$71.00 **ONLY \$36.00**

### QUIKLOK

#### C. A205/A300

The A-205 heavy-duty mic stand is adjustable to 64" tall with a 30" boom. A-300 is a lightweight economy version, adjustable to 60" high. Black.

A205 mic stand with/ boom  
Mfr. List \$68.00 **ONLY \$57.00**

A300 mic stand with/ boom  
Mfr. List \$40.00 **ONLY \$34.00**

### ULTIMATE

#### D. MC07B

Weighted base. Unique design allow stands to be stacked. Adjustable from 34.75" to 64". Black. 9 lbs.

\*MC07B mic stand with/ weighted base  
Mfr. List \$40.00 **ONLY \$28.00**



### AKG

#### E. KM231/1

This portable tabletop tripod mic stand is lightweight and collapses to fit easily into any equipment bag or briefcase. Take at least one on every remote.

KM231/1 desktop microphone stand  
Mfr. List \$13.00 **ONLY \$9.00**

### ATLAS

#### F. DMS7E

Features an oversized 10" cast iron base providing maximum stability for larger studio mics and boom attachments. Adjustable height 8"-13".

DMS7E desktop microphone stand  
Mfr. List \$43.00 **ONLY \$25.00**

#### G. DS2

Non-adjustable 3" high chrome tube. Non-reflective 4"x 6" charcoal base.

DS2 desktop microphone stand  
Mfr. List \$47.00 **ONLY \$27.00**

#### H. DS5

Non-adjustable 4" high chrome tube. 6" diameter cast iron charcoal base.

DS5 desktop microphone stand  
Mfr. List \$19.00 **ONLY \$11.00**

#### I. DS7

This quality Atlas adjustable mic stand reaches from 8" to 13" for easy speaking without unnecessary or awkward crouching, and sits on a sturdy 6" diameter base. Grip-action clutch easily secures height adjustment. Order today.

DS7 desktop microphone stand  
Mfr. List \$31.00 **ONLY \$15.00**

### QUIKLOK

#### J. A114

Heavyweight base and pivot feature allow for optimum placement of even heavy studio mics. Adjustable from 16.5" to 23.5".

A114 desktop microphone stand  
Mfr. List \$60.00 **ONLY \$50.00**

### LUXO

#### K. LUXO SERIES

LM1 is a 41" extended reach arm for mics weighing up to 1 pound. LM1-3 is the same basic arm, but holds heavier mics weighing up to 3 pounds. Available in oyster or black color. LM2 is a 26" reach arm for mics weighing up to 2 pounds (gray only). Please specify color when ordering.

LM1 mic boom holds 1 lb. Mfr. List \$100.00 **ONLY \$67.00**

LM1-3 heavy duty mic boom holds 3 lbs. Mfr. List \$100.00 **ONLY \$67.00**

LM2 26" reach mic boom holds 1 lb. Mfr. List \$100.00 **ONLY \$89.00**

**Microphone Accessories**



**Wireless Microphones**

**For Microphone Cables**  
**See Page 72**



**LUXO**

**L. MIC BOOM MOUNTS**

Mounting options for the Luxo Series Microphone Booms include a clamp style (model **A**), a wall mount (model **B**), desktop mount (model **C**) or a 12" aluminum extension model pedestal (model **RISER** not shown). Specify oyster, black, or when ordering. The **RISER** may also be provided unpainted.

- A.** clamp/visc mount for Luxo LM mic booms  
Mfr. List \$14.00 **ONLY \$12.00**
- B.** wall mount for Luxo LM mic booms  
Mfr. List \$14.00 **ONLY \$12.00**
- C.** desk mount for Luxo LM mic booms  
Mfr. List \$14.00 **ONLY \$12.00**
- RISER** mic boom extender  
Mfr. List \$24.95 **ONLY \$20.00**

**O.C. WHITE**

**M. 51900/519003**

14194 is a top-quality 29" heavy-duty mic boom and the 14199 is the 45" version. 51900 adds a 12" riser to the 14194. 519003 is a three-boom system with 14194 booms.

- \*14194 29" mic boom less riser Mfr. List \$99.00 **ONLY \$71.00**
- \*14199 45" mic arm less riser Mfr. List \$130.00 **ONLY \$93.00**
- 51900 37" mic boom with 12" riser Mfr. List \$160.00 **ONLY \$109.00**
- \*519003 triple mic arm system Mfr. List \$399.00 **ONLY \$286.00**

**WINDTECH**

**N. MPC10**

The Windtech MPC10 allows mics to be mounted just about anywhere. Fits up to 1-1/4" round members or up to 1-1/2" flat surfaces. Mic threads rotate to 3 positions.

- MPC10** multi position mic clamp  
Mfr. List \$14.00 **ONLY \$13.00**

**ATLAS**

**AD11B/BC1/CH1B**

AD11B is a 5/8"-27 female flange with 1 3/4" base diameter. Chrome or black. BC1 is a bracket-style clamp with 6" chrome tube attaches to tables, countertops, furniture, etc. Use CH1B to hang coiled mic cables or headphones on mic stand.

- O.** AD11B flanged adaptor Mfr. List \$8.00 **ONLY \$5.00**
- P.** BC1 bracket clamp Mfr. List \$32.00 **ONLY \$19.00**
- Q.** CH1B cable hanger Mfr. List \$20.00 **ONLY \$13.00**

**ATLAS**

**R. GN13/GN19/GN6**

Flexible gooseneck in 13" length with male and female 5/8"-27 threads. Chrome or black finish. Also available in 6" and 19" length.

- GN13** 13" gooseneck mic stand Mfr. List \$13.00 **ONLY \$8.00**
- GN19** 19" chrome gooseneck Mfr. List \$18.00 **ONLY \$10.00**
- GN6** 6" gooseneck mic stand Mfr. List \$9.00 **ONLY \$6.00**

**WINDTECH**

**MC11/MC6/MC9/SMC7**

Heavy duty mic clips. Adjustable angle; brass insert with 5/8"-27 threads.

- S.** MC11 black slim-style mic clip for slim mics (.8" to 1" in diameter). **ONLY \$5.00**
- T.** MC6 standard tapered, slip-in clip fits most handheld mics **ONLY \$4.00**
- U.** MC9 slip in, heavy duty mic clip with rubber insulator. **ONLY \$5.00**
- V.** SMC7 spring clamp type clip fits a wide variety of mics **ONLY \$5.00**

**Wireless Microphones**



**AKG**

**WMS80/880**

This frequency agile UHF wireless system from AKG uses 4 broadcast frequency sets corresponding to television channels 54,55,58 and 59 each with 15 selectable frequencies. **Features:** adjustable operating frequency; adjustable output level; adjustable squelch; transmitter with 10 mW output power; battery status indicator.

- \*WMS80/880 UHF wireless system  
Mfr. List \$662.00 **ONLY \$449.00**

\* Non-inventory item subject to return restrictions.

## Wireless Microphones



### AUDIO TECHNICA ATWU102/ATWU101

For quality audio transmission at very low cost, this Audio Technica wireless system (ATWU102 consisting of a diversity receiver and plug-on transmitter) is an excellent choice. It offers 100 selectable PLL-synthesized channels; true diversity reception; operation in TV channels 57-59 to avoid interference; balanced audio output and rugged metal construction. For a body pack wireless system (that can be used with your favorite wired mic with mini-XLR connector), order model ATWU101.

ATWU102 UHF plug-on wireless mic system  
Mfr. List \$1,099.00 **ONLY \$742.00**

ATWU101 UHF beltpack wireless mic system  
Mfr. List \$1,049.00 **ONLY \$708.00**



### AUDIO TECHNICA 7000 SERIES

The 7000 series from Audio-Technica offers two low-cost UHF systems for guitar and vocals. **Features:** 100 PLL-synthesized channels selectable via switches on receiver and transmitter; True Diversity operation selects the better signal from two independent receiver sections, reducing drop-outs; interference-resistant UHF band operation; ground-lift switch and adjustable squelch control; balanced XLR and unbalanced 1/4" audio output jacks; operating range of 300 ft. typical.

ATW-7376 includes receiver and handheld mic/transmitter featuring a dynamic element with internal shock mounting.

ATW-7375 includes receiver and bodypack transmitter.

ATW-7373 includes receiver and handheld mic with 4033 microphone element.

ATW7376 UHF handheld wireless mic system  
Mfr. List \$995.00 **ONLY \$575.00**

ATW7375 UHF bodypack wireless mic system  
Mfr. List \$975.00 **ONLY \$563.00**

ATW7373 UHF handheld wireless mic w/4033  
Mfr. List \$1,149.00 **ONLY \$799.00**



### AUDIO TECHNICA 1100 SERIES

The Audio Technica ATW1128 is a cost-effective wireless mic system with performance matching many higher-priced systems. **Features:** true diversity reception with two independent RF sections for greatest reliability; choice of 20 VHF frequencies for minimum interference; adjustable squelch control and dual power settings for extended range or extended battery life; dynamic handheld microphone; rugged metal receiver chassis.

ATW1127 features the receiver with bodypack transmitter.

ATW1128 VHF handheld wireless mic system  
Mfr. List \$549.00 **ONLY \$317.00**

ATW1127 VHF bodypack wireless mic system  
Mfr. List \$479.00 **ONLY \$277.00**

### ELECTRO-VOICE N/DYM SERIES

The N/DYM® Series UHF wireless is a 10-channel frequency-agile system that provides professional quality performance at a price you can afford! N/DYM wireless also features the latest in wireless technical innovations – ClearScan auto channel select. ClearScan greatly simplifies system set-up by automatically scanning and selecting a clear channel for trouble-free operation. The handheld system features EV's famous N/DYM elements for great sound and performance. **Features:** 10-channel UHF frequency agility; N/DYM elements; metal receiver housing; 8-10 performance hours of battery life; Secure-Phase™ diversity for clear, drop-out-free audio; balanced, mic-level XLR output; adjustable squelch control.

NR5CU UHF wireless rack mount receiver  
Mfr. List \$544.00 **ONLY \$358.00**

NHTU-N7 UHF wireless handheld w/ N/D767A element  
Mfr. List \$392.00 **ONLY \$215.00**

RE90TX UHF wireless transmitter w/ RE90 element  
Mfr. List \$208.00 **ONLY \$144.00**

### Industry Standard Camera-Mount System



### LECTROSONICS 200 SERIES

Designed for television ENG, motion picture, studio and high-end production, the 200 series is considered industry standard equipment. By implementing more extensive audio processing circuitry, Lectrosonics maximizes dynamic range and frequency response and minimizes distortion and noise. An exclusive automatic high-freq. noise suppression circuit in the receivers eliminates noise in weak signal conditions to maximize operating range and eliminate dropouts in hostile RF environments. **Features:** 256 selectable frequencies; tracking front-end in the receivers; dual-band compandor; advanced diversity reception; computer interface on the studio receiver.

The UDR200B is the rack mount version of the 200 Series receivers. The UCR205D is a compact receiver that can mount directly to a camera. It can be powered with AC via a transformer or with DC from the camera. The UCR210D is similar to the 205D, but can be powered with internal AA batteries.

Receivers can be matched with 3 varieties of transmitters; all boasting 100 mw output power. The UH200 is the popular plug-on, the UM200B is a beltpack version and the UT200 is a handheld transmitter.

UDR200B UHF rack mount diversity receiver Mfr. List \$4,295.00 **ONLY \$3,651.00**

UCR205D UHF compact cam-mount receiver Mfr. List \$2,325.00 **ONLY \$1,977.00**

UCR210D UHF compact cam-mount receiver Mfr. List \$2,325.00 **ONLY \$1,977.00**

UH200 UHF plug-on wireless transmitter Mfr. List \$995.00 **ONLY \$846.00**

UM200C UHF beltpack wireless transmitter Mfr. List \$865.00 **ONLY \$736.00**

UT200 UHF handheld wireless transmitter Mfr. List \$1,435.00 **ONLY \$1,220.00**

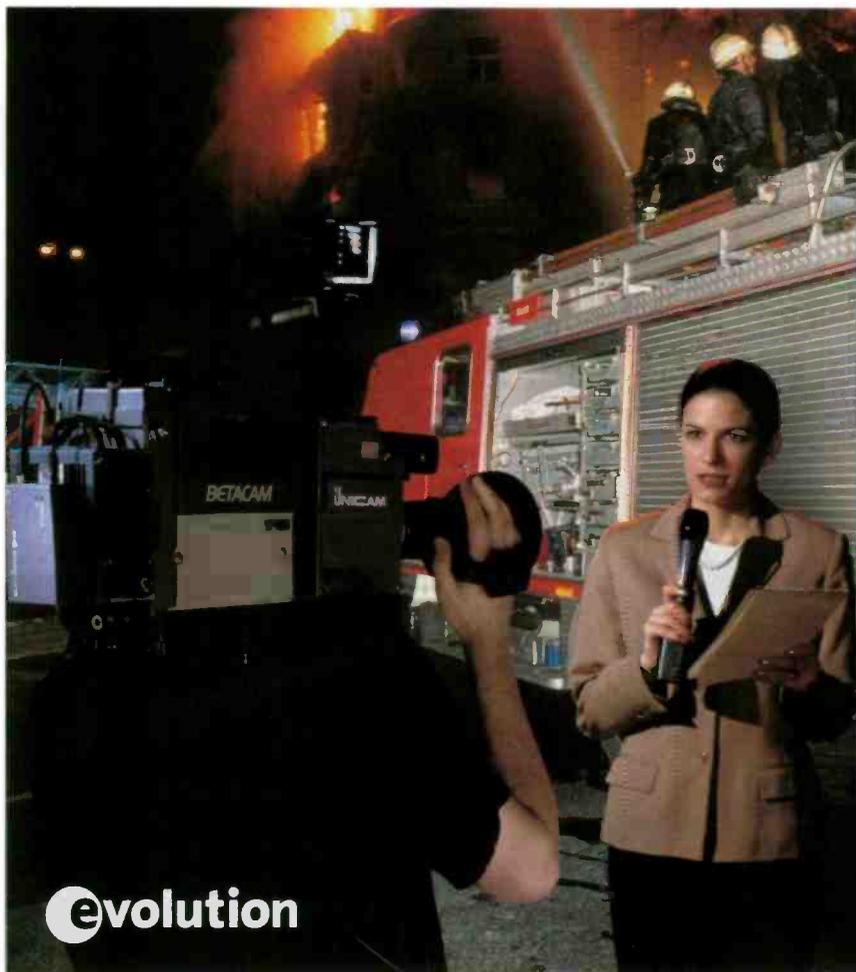
### UCRUH100B

The wireless Lectrosonics 100 series XLR plug-on transmitter and compact receiver for your camera is designed for corporate and event videography, but also works well in broadcast applications. The UCR100 receiver is highly sensitive and the matching transmitter provides a full 100 mW of output power. The result is exceptional operating range and freedom from drop-outs. **Features:** 256 selectable frequencies; dual-band compandor.

UCRUH100B plug-on wireless mic system Mfr. List \$1,570.00 **ONLY \$1,335.00**



Wireless Microphones



**evolution**

# Be Ready

Sennheiser Evolution RF Wireless Mics

Sennheiser has a full range of DTV-ready wireless mic systems to fit any budget, with options such as plug-on transmitters which can provide phantom power. Give your BSW professional a call today!



wireless audio ENG/EFP by  
**SENNHEISER**  
www.sennheiserusa.com

## SENNHEISER EVOLUTION 300/100 SERIES

These new UHF wireless systems from Sennheiser bring you professional performance and handling you want at a package price broadcasters can afford. The Evolution 300 series is an economical mid-range system with modular parts for expandability (we also carry the higher end 500 series, and the entry level 100 series if you desire). The rack mount receiver has Sennheiser's proprietary noise-suppressing HDX compander technology for crystal clear sound that rivals wired microphones. It also uses dual receiver circuits for the best possible interference-free reception. Features: switchable UHF frequency technology; 8 frequency presets; long transmission range (30 mW RF power); peak-hold LED display; transmitter with battery level indicator; balanced XLR audio outputs on the receiver; rugged construction.

The EW345 system includes a handheld dynamic microphone and rack mount receiver.

The EW312 system includes an omnidirectional lavalier mic, bodypack transmitter and rack mount receiver.

The affordable 100 Series offers 4 presets rather than 8 and lacks the battery status display. But each system offer the same 30 mW RF power.

The EW101P includes a plug-on transmitter and portable camera receiver.

The EW112P is the 100 Series with bodypack transmitter and portable camera receiver.

EW345	<b>UHF handheld wireless mic system</b>	Mfr. List \$1,300.00	<b>ONLY \$779.99</b>
EW312	<b>UHF bodypack wireless mic system</b>	Mfr. List \$1,235.00	<b>ONLY \$739.99</b>
EW101P	<b>UHF plug-on wireless mic system</b>	Mfr. List \$835.00	<b>ONLY \$499.99</b>
EW112P	<b>UHF bodypack wireless mic system</b>	Mfr. List \$835.00	<b>ONLY \$499.99</b>



## SHURE UC24/58



Shure UC UHF systems are frequency agile, which allows you to quickly and easily change frequencies to avoid interference. Choose from 99 selectable frequencies. The 1/2-rack space UC4 receiver features diversity technology for improved reception. Features: 50 mW transmitter; SM58 mic capsule; adjustable squelch control; 2-band adjustable EQ; use up to 16 systems simultaneously.

UC24/58 **UHF handheld wireless mic system**  
Mfr. List \$1,417.80 **ONLY \$999.00**

## SHURE SC SERIES



Features: 8 user selectable frequencies (4 on travelling systems); single on/off switch in transmitter supported by mute in receiver; battery fuel gauge to show how much power is left; half-rack width, metal chassis; 5-segment RF and audio metering; unbalanced and balanced XLR, mic/line switchable outputs; handheld and lavalier transmitters with popular Shure microphone elements that are perfectly matched to the system electronics.

SC24/58 **VHF handheld wireless mic system**  
Mfr. List \$1,089.36 **ONLY \$799.00**  
SC14/83 **VHF bodypack wireless mic system**  
Mfr. List \$985.32 **ONLY \$729.00**

\* Non-inventory item subject to return restrictions.

## Wireless Microphones

SHURE  
UP SERIES

Designed for professional broadcasters, the UP4 portable UHF wireless receiver provides the perfect combination of crystal-clear audio and rugged dependability. **Features:** engineered to shut out RF interference and deliver a clear, steady signal; frequency agile – provides over 100 selectable UHF channels; Intermediate Frequency filtering – selects the desired signal; phase locked loop circuitry ensures steady signal; tone key circuitry; noise squelch circuitry, microprocessor-controlled predictive diversity; 10 hours operation on a single 9V battery; frequency range 692-862 MHz; operating range 500 ft. under typical conditions. UP1493 combines the UP4 camera mount receiver with U1 body-pack transmitter and WL93 omnidirectional lavalier mic element. UP2458 combines the UP4 camera mount receiver with U2 handheld transmitter and SM58 microphone capsule.

UP1493	wireless lavalier camera mount mic system
Mfr. List \$2005.80	<b>ONLY \$1480.00</b>
UP2458	wireless handheld camera mount mic system
Mfr. List \$2005.80	<b>ONLY \$1480.00</b>

SHURE  
LX SERIES

**Features:** 5-segment RF level meters for A and B antennas; 5-segment audio level indicator; easily accessible noise-sensing squelch adjustment; half-rack width, metal chassis; 3-segment transmitter battery fuel gauge to show how much power is left; unbalanced and balanced XLR, mic/line switchable outputs; transmitters engineered with Shure's renowned components and designed to correspond flawlessly with system electronics; audio muting. Choose from handheld or bodypack transmitter systems.

LX14/83	wireless lavalier mic system
Mfr. List \$768.00	<b>ONLY \$579.00</b>
LX24/58	handheld wireless mic system
Mfr. List \$852.00	<b>ONLY \$649.00</b>

VEGA  
U2020H267

Vega's trusted U2020 wireless system offers maximum frequency agility at an affordable price. **Features:** 100-channel UHF system with 380 available frequencies; 50 mW of transmitter output power with a range of 1000 feet; low battery and overload LED's; Electro-Voice N/D267 element on handheld transmitter.

*U2020H267	UHF handheld wireless mic system
Mfr. List \$1,100.00	<b>ONLY \$918.00</b>

SONY  
FREEDOM  
SERIES  
PACKAGES

Sony Freedom series offers 800 MHz UHF transmission quality with 94 selectable frequencies in the range from 794 to 806 MHz (specify frequency range); frequency-synthesis tuning to protect against unwanted interference by allowing instant channel switching; space diversity reception for added protection against a weak signal and much more. We have two simple packages priced below, but you may also call us for other pieces in the series.

808APKG includes a camera mount receiver and plug-on transmitter.

805CAMPAC includes a camera mount receiver and lapel mic/body pack transmitter. The microphone element is the popular ECM-44BMP.

*80544CAMPK	UHF bodypack wireless mic system
Mfr. List \$1,300.00	<b>ONLY \$999.00</b>
*808PKG	UHF plug-on wireless mic system
Mfr. List \$1,670.00	<b>ONLY \$1,275.00</b>

## FREEDOM SERIES COMPONENTS

Build your own wireless mic system. It offers 800 MHz UHF transmission quality with 94 selectable frequencies in the range from 794 to 806 MHz; frequency-synthesis tuning to protect against unwanted interference by allowing instant channel switching; space diversity reception for added protection against a weak signal; comprehensive LCD displays and high-quality microphones. Choose from the professional vocal handheld microphone (WRT807A) or one of three lavalier mic elements (ECM models numbers) with plug-on or belt-pack transmitter (WRT808A or WRT805A). Then combine with the dual-antenna single channel receiver (WRR-802A) or for greater expandability, the 6-channel rack mount receiver (MB806A) which requires a UHF synthesized tuner module (WRU-806A) for each microphone (one module included in price of MB806A).

*WRT807A64	UHF hand wireless mic transmitter
Mfr. List \$820.00	<b>ONLY \$650.00</b>
*WRT805A	UHF bodypack wireless transmitter
Mfr. List \$495.00	<b>ONLY \$395.00</b>
*WRT808A64	UHF plug-on wireless transmitter
Mfr. List \$830.00	<b>ONLY \$670.00</b>
*WRR802A	receiver
Mfr. List \$870.00	<b>ONLY \$674.00</b>
ECM166BMP	cardioid lavalier microphone
Mfr. List \$137.00	<b>ONLY \$110.00</b>
*ECM44BMP	omni-directional wireless mic
Mfr. List \$175.00	<b>ONLY \$122.00</b>
*ECM77BMP	omni-directional wireless mic
Mfr. List \$360.00	<b>ONLY \$285.00</b>
*MB806A	6-channel receiver chassis
Mfr. List \$980.00	<b>ONLY \$790.00</b>
*WRU806A	UHF synthesized tuner module
Mfr. List \$520.00	<b>ONLY \$415.00</b>
*AN820A	powered UHF antenna with adaptor
Mfr. List \$200.00	<b>ONLY \$181.00</b>



## Remote Mixers

AEQ  
MP10/TLE02D

The MP-10 is really a complete portable studio for remotes. **Features:** 5 inputs, each with switchable mic/line level and phantom power; balanced outputs for program, AUX and talkback; 3 headphone outputs; separate headset channel allows user to talk on-air as well as communicate with studio; telephone keypad; EQ boost to compensate for poor phone audio; front panel metering; AC power or rechargeable Ni-Cad batteries; balanced XLR I/O.

The TLE-02D combines a portable mixer, audio codec, digital telephone hybrid and a frequency extender in one very compact unit. **Features:** audio codec, with terminal adaptor for high-quality connections on ISDN lines with low coding delay; built-in digital hybrid with echo suppression and frequency extender for use on analog telephone lines; two microphone inputs plus a third mic/line input with separate level controls; two headphones outputs with independent level control and monitor signal selector; separate auxiliary output with level control and signal selection switch; front panel telephone keypad with pulse/tone dialing; backlit LCD display.

*MP10	multi-function portable mixer
Mfr. List \$1,545.00	<b>ONLY \$1,449.00</b>
*TLE02D	telephone codec/hybrid/mixer
Mfr. List \$1,590.00	<b>ONLY \$1,491.00</b>

ATI  
NANOAMP SERIES

These compact mixers can be stacked or rack-mounted three across allowing for up to eleven mic/line inputs. MXS100: designed for portable or field use; 3 low-noise, balanced mic/line inputs with pan; mic/line balanced stereo outputs with switchable peak limiting; phantom power; low-cut filters; test tone oscillator, tape in/out; XLR I/O connections. Options: input expander XPS100. MX101: mono version of the MXS100, full-featured. MX100/MX100C: 3 low-noise, balanced mic/line inputs; phantom power; a single balanced or unbalanced output; headphone output.

MX100C adds switchable limiter. MX200/MX200C: 3 balanced mic/line inputs; phantom power; balanced line level stereo out; headphone output. MX200C adds switchable limiter. Input expanders feature independent level adjustments and selectable phantom power.

*MXS100	stereo mic/line mixer
Mfr. List \$949.00	<b>ONLY \$879.00</b>
*MX101	mono mic/line mixer
Mfr. List \$599.00	<b>ONLY \$555.00</b>
*MX100	mono mic/line mixer
Mfr. List \$429.00	<b>ONLY \$398.00</b>
*MX100C	mono mic/line mixer with switchable limiter
Mfr. List \$479.00	<b>ONLY \$444.00</b>
*MX200	stereo mic/line mixer
Mfr. List \$769.00	<b>ONLY \$760.00</b>
*MX200C	stereo mic/line mixer with switchable limiter
Mfr. List \$789.00	<b>ONLY \$780.00</b>
*XP100	mono 4-input mic/line expander
Mfr. List \$319.00	<b>ONLY \$316.00</b>



Remote Mixers

**GENTNER  
MICROTEL 1**



Microtel is a portable, battery operated telephone interface used in a variety of applications. Typically, Microtel replaces the handset of the telephone to permit high-quality audio feeding down the phone line while simultaneously monitoring the return audio. Microtel is powered by a single 9-volt battery. Applications: portable mixing, studio talkback, in-the-field news mixing/telephone feeding, sports console/back-up sports console, mic to line driver for equalized program loops.

**MICROTEL1** portable telephone interface  
Mfr. List \$272.00 **ONLY \$237.00**



**JK AUDIO  
REMOTEMIXC+/REMOTEMIXSPORT**

RemoteMix C+ is a combination audio mixer, headphone amplifier and telephone hybrid in one. It's perfect for remote broadcasts, sport events and field reporting from any location. Features: works with conventional phone lines; two XLR microphone inputs (one switchable mic/line); two 1/4" headphone jacks; RCA line in and out; XLR balanced mix output; runs 36 hours on two 9-volt batteries or AC adaptor (included); DTMF keypad; auxiliary handset input for use as a standard telephone.

The more advanced RemoteMixSport offers 3 XLR microphone inputs (one switchable to line level); 3 headphone jacks; 1/4" headphone cue input; XLR clean mix or phone mix output; speaker and talkback microphone and a VU meter. Works with conventional phone lines as well as PBX or ISDN phones. And it now connects directly to cellular phones.

**REMOTEMIXC+** telephone hybrid/mixer  
Mfr. List \$595.00 **ONLY \$525.00**

**REMOTEMIXSPORT** telephone hybrid/mixer  
Mfr. List \$995.00 **ONLY \$878.00**



**JK AUDIO  
DAPTOR ONE**

Daptor One converts the 2.5 mm headset jack on your wireless cellular phone to a modular phone line jack. This modular RJ-11 jack connects directly to any JK Audio RemoteMix series mixer. Daptor One contains a mini-hybrid circuit that converts the earpiece and microphone signals into a balanced RJ11 phone line signal. The mic signals from the RemoteMix are sent into the wireless phone, while the earpiece signals from the wireless phone are sent into the RemoteMix headphones.

**DAPTOR1** wireless phone headphone jack  
Mfr. List \$119.00 **ONLY \$106.00**

**JK AUDIO  
REMOTEMIX3X4**



The RemoteMix 3x4 multi-line hybrid mixer is perfect for television IFB feeds or radio remote broadcasts. It offers main and monitor rotary switches to select between 4 telephone lines, 3 XLR mic inputs (switchable mic/line), 3 XLR outputs and 3 headphone jacks with level controls and source selector switches. Features: clean mix output; main phone line audio; monitor phone line audio; DTMF keypad; handset jack allows telephone conversation on selected line; switchable VU meter; 1 kHz tone generator; runs on batteries or AC power.

**REMOTEMIX3X4** multi-line telephone hybrid/mixer  
Mfr. List \$1,795.00 **ONLY \$1,584.00**



**MARTI  
GX500**

The GX-500 provides all the features you need for great-sounding remotes through a dial-up phone line or optionally through a model specific cellular phone interface. Features: 4 mic inputs and 2 auxiliary inputs; 4 headphone jacks; peak limiter; squelch/mute switch; tone/pulse dialing and electronic ringer; rechargeable batteries for up to 10 hours of use; second phone line capability; auxiliary output (line or mic level); external AC supply; plastic carrying case included. Options: micro-cellular interfaces available for most cellular telephones (call for prices).

**\*GX500** telephone interface/mixer  
Mfr. List \$1,295.00 **ONLY \$1,219.00**

**NORTECH  
MAX-Z**



MAX-Z is a remote broadcast console providing flexibility and excellent audio quality. Features: 4 XLR mic/line inputs; front panel level and rear panel gain controls; cue buttons on channels 1 and 4; monitor input (mini jack) feeds into the cue channel; phone line out; direct audio out; 4 headphone jacks; built-in rechargeable batteries or AC power; VU meter; telephone keypad; carrying case.

**MAX-Z** 4-channel remote mixer  
Mfr. List \$1,286.00 **ONLY \$1,126.00**



**RADIX  
TLM500**

This portable, battery powered mini-console can turn any modular telephone into a remote broadcast studio link or telephone interview control center. Simply plug the telephone handset cord into the TLM along with a studio quality microphone and headphones. Features: mic and line inputs; low battery Indicator; peak reading LED and headphone amplifier. AC adaptor available.

**TLM500** telephone line mixer  
Mfr. List \$229.00 **ONLY \$202.00**



**SOUND DEVICES  
MIXPRE/MP2**

Designed for high-definition field production, Sound Devices MixPre is a studio-quality, two-channel stereo mic preamp combining rugged construction and compact size. Features: 20 Hz to 50 kHz bandwidth; greater than 110 dB dynamic range; up to 66 dB of gain per channel; conductive plastic potentiometers; phantom power; input assignment (pan) switches; built-in slate mic; 1 kHz tone oscillator; battery or DC power; dual-mono or stereo-linked limiters with adjustable thresholds; tape return enabling monitoring of external sources; aluminum chassis.

MP-2 is Sound Devices' alternate stereo mic preamp. It doesn't have the input assignment switches, built-in slate microphone or tone oscillator but instead offers a high-precision gain adjustment and an M/S stereo matrix (assignable to headphones or headphones and program output).

<b>MIXPRE</b>	<b>2-channel mixable mic preamplifier</b>	Mfr. List \$855.00	<b>CALL FOR PRICE</b>
<b>MP2</b>	<b>2-channel microphone preamplifier</b>	Mfr. List \$855.00	<b>CALL FOR PRICE</b>
<b>CS1</b>	<b>carry bag for MixPre and MP-2</b>	Mfr. List \$146.00	<b>ONLY \$105.00</b>

\* Non-inventory item subject to return restrictions.

# broadcast excellence.

JK Audio makes telco-to-broadcast simple and easy with an exceptionally wide range of high-quality interface solutions.

Our RemoteMix series provides a variety of options for mixing audio and transmitting it seamlessly via standard or digital phone lines.

Our innkeeper Digital Hybrid is available in both rack and desk versions, and provides the ultimate in affordable performance.

Our Daptor One is the latest addition to our collection of "little black boxes" that solve just about any interface problem you can think of. The Daptor One, for instance, lets you quickly interface any of our RemoteMix Series mixers with the 2.5mm headset jack on your cell phone to provide the ultimate in inexpensive wireless freedom.

## A World of Solutions from JK Audio

Whatever your audio interface needs, JK Audio has a solution. Contact your BSW Sales professional to learn more about how JK Audio's product line can help you.



make contact with the  
**RemoteMix Sport**



wireless freedom with the  
**Daptor One**



communicate  
clearer with the  
**innkeeper 1**

# JK Audio

see us on the web: [www.jkaudio.com](http://www.jkaudio.com)

REMOTE BROADCAST GEAR

**Remote Mixers**



Shure FP33

Shure FP22



Shure FP42

**SHURE FP SERIES**

Shure products are the elder statesmen in portable broadcast mixers and mic preamps. For years, engineers have relied on them for excellent audio quality and easy set-up and operation. From the simple FP22 headphone amplifier to the FP42 portable stereo mixer, BSW can get you the right equipment for your news crews and on-site program recording.

The FP22 stereo +1 headphone amplifier provides professional quality stereo headphone monitoring and is ideal for field production and trouble-shooting applications.

The FP42 mixer offers full stereo capability and 4 XLR mic inputs along with many important features such as pull-pot cueing on all input channels and low-cut filters. It's perfect for mixdown in video editing.

FP33 is a high-end, 3-input, 2-output stereo mixer. Features: high-quality, sealed input potentiometers; a dynamic range of over 100dB; 48V and 12V phantom power plus 12-volt A-B (T) power for condenser mics; LED indicators of input levels, output peaks, limiter action and low battery; pop-up pan pots; mix bus to connect additional FP33s.

FP22	portable headphone amplifier	Mfr. List \$433.50	<b>ONLY \$326.00</b>
FP42	portable 4-input stereo mixer	Mfr. List \$1,264.80	<b>ONLY \$949.00</b>
FP33A	UHF plug-on wireless transmitter	Mfr. List \$1,630.90	<b>ONLY \$1,374.00</b>



**ROLLS PROMIX PLUS**

The PROMIX PLUS (MX545) mixes three microphones into one transformer balanced XLR output. It has three XLR inputs, each with individually switchable phantom power, low cut switches and level control. A 1/4" aux/headphone output has been provided along with a clip indicator, power indicator and power switch, and the unit is powered by two 9-Volt alkaline batteries.

MX545	3-channel microphone mixer	Mfr. List \$150.00	<b>ONLY \$97.00</b>
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**SHURE M367**

The M367 is a very rugged and quiet compact mixer in the tradition of the famous Shure M267. Features: 6 balanced mic/line inputs; phantom power; input peak LEDs; balanced, 2-position mix bus; switchable output peak/limiter with adjustable threshold and limiter LED; illuminated battery/AC/VU meter and program monitor input selector; all-metal chassis; detachable power cord; easy-access side battery compartment; headphone monitor circuit.

M367	6-channel mic/line mixer	Mfr. List \$810.90	<b>ONLY \$609.00</b>
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**STUDIOMASTER 42DCXLR**

This battery powered stereo output mixer is ideal for any type of remote application such as audio for video, ENG work, remote broadcasts, etc. Features: 4 channels (each input can be XLR mic or RCA line); inputs include a pan control; 1/4" left and right output jacks; mic/line level output switch; mono/stereo mode switch; rugged steel construction; battery test light; jack for DC 9-volt input (adaptor not included).

42DCXLR	4-channel mic/line mixer	Mfr. List \$132.00	<b>ONLY \$106.00</b>
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**AEQ MPAC-02**

The AEQ MPAC-02 is a multiformat, dual channel, portable audio codec for ISDN remotes. Offering two-way communications in two independent audio channels on a single ISDN line, the MPAC-02 enables the setting-up of simultaneous program and coordination circuits. Features: digital hybrid with frequency extender; operative on analog telephone lines; a digital audio codec G.726/16 kbps for external modem connection; G.711, G.722 (statistical and H.221/H.242), LD-Extend and ISO/MPEG Layer II; up to 15 kHz stereo audio; up to 11.5 kHz bi-directional audio; 3 microphone and 1 mic/line inputs with XLR/jack combo connectors; 3 headphone outputs.

*MPAC02	portable ISDN audio codec	Mfr. List \$3,490.00	<b>ONLY \$3,272.00</b>
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**Audio Codec**



**COMREX HOTLINE**

Finally, an affordable digital transmission device capable of providing up to 10 kHz two-way audio on a standard telephone line. The Comrex HotLine codec is tough as nails and proven reliable at thousands of remotes. Features: program and cue-back on one phone line; auto or manual dialing and answering; mic/line XLR and mini-jack tape inputs; line level XLR and 1/4" headphone outputs.

HOTLINE	portable POTS audio codec	Mfr. List \$2,800.00	<b>ONLY \$2,620.00</b>
HOTRACK	rack mountable POTS audio codec	Mfr. List \$3,000.00	<b>ONLY \$2,808.00</b>



**COMREX NEXUS**

Capable of 15 kHz as well as 7.5 kHz low delay, two-way mono audio over ISDN or SW56, the portable Nexus is ideal for remote broadcasts. Features: mic/line input; output that provides a variable mix of local program audio and codec return audio; separate data port for SW56 DSU/CSUs; easy set up with keypad, LCD display and memory dial.

NEXUS	portable ISDN audio codec	Mfr. List \$2,300.00	<b>ONLY \$2,153.00</b>
NEXUSRACK	rack mountable ISDN audio codec	Mfr. List \$2,500.00	<b>ONLY \$2,340.00</b>



**MUSICAM PRIMA LT**

The bi-directional stereo Prima LT ISDN codec comes with Musicam-enhanced MPEG Layer II, MPEG Layer III and G.722 algorithms for maximum compatibility. It accepts one digital interface module for direct connection to ISDN, V.35, X.21 or RS422. Features: 24-bit A/D and D/A converters; dynamic range better than 92 dB, ultra-low distortion at less than 0.01%; data rates to 384 kbps; built-in terminal adaptor for U.S.; optional AES/EBU and S/PDIF I/O.

PRIMALT103	rack mountable ISDN audio codec	Mfr. List \$3,495.00	<b>ONLY \$3,329.00</b>
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\* Non-inventory item subject to return restrictions.

## Audio Codec

## Comrex Codec Values



BSW extends Comrex' warranty by one full year!

### COMREX MATRIX

If you've got the Matrix, you've got options, because this 15 kHz POTS codec allows for easy conversion to ISDN operation using Layer III or G.722 and/or GSM wireless phones operation. These conversions simply require optional slide-in modules. Besides real-time transmission, the Matrix includes a store and forward feature so that 15 kHz audio cuts can be sent in "non-real" time, which can be useful when a circuit won't sustain adequate data rates for modem transmission. **Features:** 15 kHz full duplex audio on a single, standard telephone line; 2 microphone inputs (one is mic/line switchable); headphone output; line level output on XLR providing direct connection to mics and headphones or mixer; -10 dBu tape input allows connection to a MiniDisc or DAT player; compatible with Vector and HotLine codecs. Options include: ISDN module; GSM wireless phone module.

**MATRIX** portable POTS audio codec  
Mfr. List \$3,700.00 **ONLY \$3,462.00**

**MATRIXRACK** rack mountable POTS audio codec  
Mfr. List \$3,700.00 **ONLY \$3,462.00**

### COMREX VECTOR

The latest POTS codec in the Comrex line, the Vector delivers nearly 15 kHz audio on a plain telephone line at a realistic data rate of 24 kbps or higher. Plus it offers complete mixing capabilities! **Features:** 4 XLR mic level inputs (3rd and 4th are switchable to line level); 3 headphone outputs on 1/4" phone jacks; an extra line level output on XLR that could feed a PA; quick dial memory; compatible with Comrex HotLine POTS codec. Order today.

**VECTOR** portable POTS audio codec  
Mfr. List \$4,500.00 **ONLY \$4,211.00**

### COMREX ENVOY

The Envoy codec delivers 15 kHz at 128 kbps or 7.5 kHz at 64 kbps audio for great sounding, full duplex ISDN broadcasts. It uses the G.722 algorithm for compatibility with other brand G.722 ISDN codecs and has a 6 millisecond delay for seamless two-way communication. The mixing capabilities consist of three mic level inputs with the third switchable to line level plus a forth input for the main program or just for cueing, as well as three headphone outputs and a forth output for PA feeds or recorders.

**ENVOY** portable ISDN audio codec  
Mfr. List \$3,500.00 **ONLY \$3,275.00**



### MUSICAM CDQPRIMA SERIES

CDQPrima digital audio codecs provide the best audio quality and the most connectivity for ISDN audio transmission. **Features:** full duplex bi-directional 20 kHz stereo; full contribution quality of up to 384 kbps; use over ISDN, satellite, T1, E1 and dedicated lines; exclusive CCS MUSICAM enhanced ISO/MPEG Layer II; compatible with ISO/MPEG Layer III and G.722; SMPTE timecode; AES/EBU digital inputs and outputs; 20-bit A/D converters; built-in automatic smart features and programmable functions.

CDQPRIMA120 has VU meters, status LEDs and ISDN terminal adaptor for U.S.

CDQPRIMA210 does not have the VU meters, status LEDs and monitoring jacks, but instead offers 3 interface module slots for up to three ISDN lines or mixed digital interface modules (one ISDN terminal adaptor included.)

CDQPRIMA220 has the total features of both models.

\*CDQPRIMA120 rack mountable ISDN audio codec  
Mfr. List \$4,950.00 **ONLY \$4,715.00**

\*CDQPRIMA210 rack mountable ISDN audio codec  
Mfr. List \$4,500.00 **ONLY \$4,286.00**

\*CDQPRIMA220 rack mountable ISDN audio codec  
Mfr. List \$5,450.00 **ONLY \$5,191.00**



### MUSICAM FIELDPHONE II/STUDIOFONE

FieldFone II and StudioFone are an integrated system for sending broadcast quality audio over a single analog phone line. **Features:** bi-directional broadcast quality audio (10.2 kHz at 33.6 kbps); operates at transmission bit rates as low as 12 kbps; easy to operate - just speed dial and you're on the air; real-time line quality monitor; automatic fall-back to correct for changes in line quality; four bi-directional relay contact closures to actuate remote equipment; Layer III-based algorithm optimized for great sounding remotes at low bit rates; FieldFone with 2 XLR mic and 1 XLR mic/line input plus 2 independent headphone monitor jacks; StudioFone with front rack mount panel, IFB Talk-Back and monitor speaker.

**FIELDPHONEII** standard phone line codec  
Mfr. List \$3,350.00 **ONLY \$3,191.00**

**STUDIOFONE** standard phone line codec - rackmount  
Mfr. List \$3,550.00 **ONLY \$3,381.00**



### MUSICAM ROADRUNNER

Roadrunner is an economical, compact codec that provides full frequency (up to 20 kHz) bi-directional mono audio over an ISDN line. It comes complete with mic and line level mixing inputs so you can mix "on the fly" and it offers high-quality Musicam electronics. **Features:** 3-channel mixer; 2 headphone jacks; fully bi-directional with a built-in terminal adapter for U.S.; automatically adjusts to incoming algorithms and bit rates; provides the highest quality digital audio at bits of 56, 64, 112 and 128 kbps; compatible with G.722, CCS MUSICAM, Layer II and Layer III; balanced and unbalanced line level outputs for received audio; remote control. Order today.

**RR103** portable ISDN audio codec  
Mfr. List \$2,800.00 **ONLY \$2,667.00**

**Audio Codec**

**Cellular Interfaces**



**TELOS 9202**

Zephyr is the ideal solution for remote broadcasts, ad hoc networks, voiceovers, commercial distribution, backup to microwave and satellite links, and many other applications. On just one ISDN circuit, Zephyr can convey 20 kHz duplex stereo audio, and it can transmit 15 kHz mono audio using only one of an ISDN line's two channels. MPEG audio Layers III and Layer II, as well as G.722, are provided for the highest audio quality and compatibility with nearly every installed codec. Features: a built-in ISDN terminal adaptor with NT-1 and 9600 baud RS-232 bi-directional data for communications and control; available V.35 connection allows Zephyr to connect with Switched 56 and other data links; full metering; a headphone jack; mic/line inputs; input protection limiting.

9202 rack mountable ISDN audio codec Mfr. List \$4,250.00 **ONLY \$3,614.00**



**Only BSW Extends the Warranty on Your Telos Coders by One Full Year!**

**TELOS 9302**

With the ZephyrExpress sending live audio from the field via ISDN has never been easier. Telos lightens your remote broadcast burden by combining a full-featured codec, an ISDN terminal adaptor, and an audio mixing/monitoring system, all in a road-rugged chassis. With ZephyrExpress, there is no need to lug additional electronics. It includes the complete features of the standard Zephyr. You get MPEG Audio Layers III and II, as well as G.722 for the compatibility and performance you require. G.711 allows you to place a voice-grade call to any standard telephone, saving you the expense of an additional circuit at the remote site. The three-input mixer has two mono mic level and a two-channel line level input. Two independent headphone outputs have selectable source controls for monitoring local and/or return audio. Optional hard and soft carrying cases available.

9302 portable ISDN audio codec Mfr. List \$4,890.00 **ONLY \$4,156.00**



**CONEX CELLJACK II/CELLJACK/FLIPJACK**

CellJack, CellJack II and FlipJack turn your cell phone into a remote broadcast center.

CellJack II works with Motorola®-brand bag-type cell phones and operates off the power from the cell phone. It features two balanced XLR mic/line inputs; separate auxiliary input; front panel LED level indicator; two headphone jacks – each with its own level control; tuner input for off-air monitoring; send and receive level controls and interconnect cable.

CellJack is a scaled-down two-input version.

FlipJack can be used with Motorola StarTac cell phones or other phones with a 2.5mm hands-free adaptor. It features two XLR inputs (one switchable mic/line), headphone out with level control and a separate external tuner/aux input.

**CELLJACKII** cellular interface w/ 3-channel mixer  
Mfr. List \$349.00 **ONLY \$308.00**

**CELLJACK** cellular interface w/ 2-channel mixer  
Mfr. List \$245.00 **ONLY \$223.00**

**FLIPJACK** cellular interface for flip phones  
Mfr. List \$289.00 **ONLY \$255.00**



**TIELINE EXPRESS/COMMANDER**

For broadcast audio at low connect rates with low audio coding delay and a stable connection, you'll prefer the TieLine Express POTS codec. For additional flexibility, the TieLine Commander adds an ISDN input for audio transmissions over ISDN achieving 15 kHz audio with just one "B" channel. Features: bi-directional 15 kHz mono audio over standard telephone lines; super-fast digital signal processing power gives you imperceptible delay (100 ms delay); 3 XLR mic level inputs; 2 headphone jacks; 20-bit A/D-D/A converters; programmable hot keys; stream text, control data and control remotely via any PC over your broadcast link (means you can remote control your automation system from the remote broadcast site); type messages back and forth on your PC while you're broadcasting; user selectable data channel bandwidth up to 9.6 kbps with simultaneous 7 kHz audio transmission under certain conditions; ability to upgrade algorithms, remote control and DSP software over the Internet; remote control the audio input levels of the remote codec from your studio to ensure correct audio levels; one touch setups and the ability to lock the controls to avoid tampering; software for remote control included. Call our knowledgeable sales staff today.



**EXPRESS** portable POTS audio codec  
Mfr. List \$3,600.00 **ONLY \$3,429.00**

**EXPRESSSTUDIO** rack mountable POTS audio codec  
Mfr. List \$3,790.00 **ONLY \$3,610.00**

**COMMANDER** portable POTS and ISDN audio codec  
Mfr. List \$4,450.00 **ONLY \$4,239.00**

**COMMANDERSTUDIO** rack mount POTS and ISDN audio codec  
Mfr. List \$4,650.00 **ONLY \$4,429.00**



**MARTI CELLCAST**

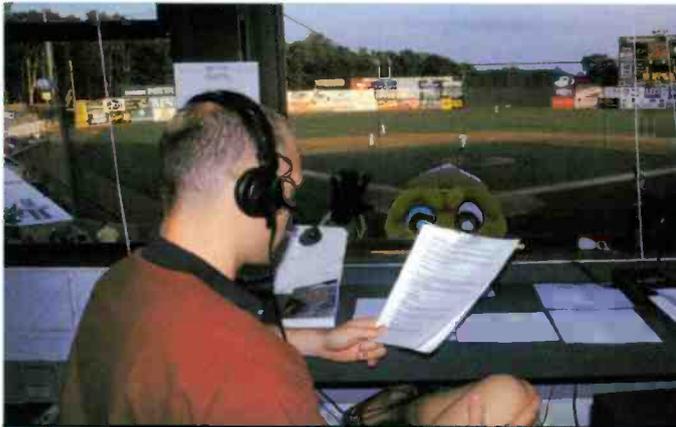
Martí's Cellcast cellular remote broadcasting system eliminates line-of-sight requirements, phone line access and antenna problems while reporting from the source. Portable and cost-effective, the Cellcast combines a frequency extender and mixer with all the convenience of cellular technology. Features: cellular or land line transmission; 4-channel mixer (mic or line selectable); runs off AC, internal battery or 12-volt cigarette lighter adaptor; 3-watt cellular transceiver; broadcast timer.

Note: The cell phone transmitter is analog. Check the cellular service in your area to verify the continued availability of analog service.

**\*CELLCAST** portable cellular audio codec  
Mfr. List \$2,950.00 **ONLY \$2,603.00**

\* Non-inventory item subject to return restrictions.

**Cue Systems**



For announcing sports or news, **Sennheiser** is the first choice. The industry standard **HMD 25** boomset gives you the isolation you need to hear yourself, and the clarity offered by its mic capsule is unparalleled. The **HD25 SP** is a super lightweight, closed dynamic headphone which offers full frequency response for extra precision and excellent isolation.



**HD25 SP**

Rugged, high performance headphone with up to 16 dB of passive noise attenuation.

**Features:**

- Very lightweight
- Tough, detachable steel cable
- Fully modular design with replaceable parts for long life



**HMD 25**

Exceptional sound quality and versatility in a lightweight boomset.

**Features:**

- Supercardioid dynamic microphone for left or right side placement
- Thickly-padded split headband for added comfort and non-fatiguing wear
- Supraural, closed earcups for excellent

isolation from ambient noise

[Versions: -1 with Tin-plated open ends; -XQ with XLR (mic), 1/4" headphone connectors]



Sennheiser Electronic Corporation

1 Enterprise Drive, Old Lyme, CT 06371 www.sennheiserusa.com

**COMREX CTA SERIES**



This Comrex Cue System sends program and instructions from its transmitter to pocket receivers. The CTA Cue Transmitter is a 1-watt rack mount unit that can be installed in a van, studio, press box, etc. It accepts program and cue audio sources, combining them so that cues automatically override the program. Program remains audible at a lower level. The LPQRA Receiver has a 6 kHz audio response for accurate program monitoring. Ceramic filters allow for interference-free operation. The LPQRA has high-level output for clear understanding in noisy surroundings. A sturdy leather belt pouch and headphone are included.

CTA	cue transmitter	Mfr. List \$1,350.00	<b>ONLY \$1,264.00</b>
LPQRA	receiver for use with CTA	Mfr. List \$625.00	<b>ONLY \$585.00</b>

**LISTEN LISTENPKG**



This Listen Technologies package makes it easy for the broadcast booth to communicate with on-field/court reporters. The system is made up of an interruptible feedback (IFB) transmitter and a receiver (plus necessary accessories such as ear piece and antennas). The wireless transmitter is channel selectable to 57 channels in the 216 MHz frequency band and works equally well indoors or outdoors. The portable receiver has a visual display of channel selection, battery level and RF signal strength. Package consists of the following pieces: LT800-216, LR400-216, LA117, LA164, LA102.

LISTENPKG	IFB package	Mfr. List \$860.00	<b>CALL FOR PRICE</b>
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**Headsets**



**SENNHEISER HMD25X-Q**

Acoustically dampened and sealed ear cups help make the HMD25X-Q a favorite for broadcasting by providing excellent isolation from crowd noise. The headset uses a supercardioid, noise-cancelling dynamic mic. BSW offers the advantage of a cable with XLR and 1/4" connectors.

HMD25X-Q	headset with connectors	Mfr. List \$475.00	<b>ONLY \$333.13</b>
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**SHURE SM2**

Shure's popular SM2 headset offers great sound in a comfortable, two-ear configuration. It has been proven reliable with consistently high quality sound reproduction. Headphone frequency response is 100 Hz to 8 kHz; mic response is 50 Hz to 15 kHz. Cable detaches from headset and ships unterminated at the other end.

SM2	headset	Mfr. List \$373.63	<b>ONLY \$208.00</b>
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\* Non-inventory item subject to return restrictions.

**Headsets**

**Top Seller**



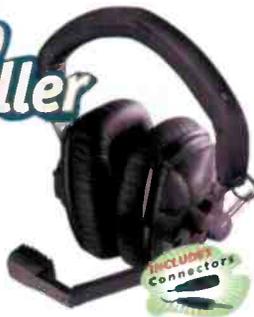
**Headset Under \$250.00!**

**BEYERDYNAMIC DT290**

A low profile, lightweight design makes the DT290 very comfortable for long-term operation. It also offers excellent isolation from ambient noise. The incredible price shown is for the DT290 with a high-quality dynamic mic element. It also includes a cable terminating in a 1/4" connector for headphones and XLR connector for mic.

DT290 headset with connectors  
Mfr. List \$339.00 **ONLY \$249.00**

**Top Seller**



**BEYERDYNAMIC DT190**

Beyerdynamic is a world leader in broadcast and communications headsets. Their full-featured DT190 combines their best sounding hypercardioid mic element and studio quality headphone elements in the classic Beyer headset design. It includes a cable terminating in a 1/4" connector for headphones and an XLR connector for the microphone.

DT190 headset with connectors  
Mfr. List \$459.00 **ONLY \$325.00**



**MARTI SRPT40**

The SRPT-40 incorporates a built-in FM compressor providing automatic modulation control and adds the ability to change frequency by means of front-panel thumbwheel switches. Features: 40 watts maximum output power; frequencies selectable directly from front panel; 158 channels; 4 balanced microphone inputs (one switchable to balanced line level); built-in audio compressor.

\*SRPT40 40-watt RPU transmitter  
Mfr. List \$2,795.00 **ONLY \$2,631.00**

**RPU Equipment**



**MARTI SR10**

The frequency agility and superior selectivity of the Marti SR-10 help you maneuver through the high interference levels that plague today's RPU bands. Features: front panel channel selection (12.5 kHz steps) with 6 programmable priority channels that can be scanned or selected (option available for remote channel selection and display); front panel speaker and headphone jack with monitor level control; automatic noise reduction circuit; optional subaudible tone decoding. Call for frequency agile models now available for the VHF band.

\*SR10 RPU receiver Mfr. List \$2,500.00 **ONLY \$2,353.00**



**MARTI CR102D**

The CR-102D receiver offers dual-frequency operation with legendary Marti reliability. Features: built-in test meter; squelch relay; monitor speaker; subaudible tone decoding and noise reduction circuitry.

\*CR102D dual frequency RPU receiver  
Mfr. List \$1,425.00 **ONLY \$1,398.00**



**KATHREIN-SCALA CA7-460**

The Scala CA7-460 seven-element yagi is designed for the very highest reliability even under severe environmental conditions. Its broadband design makes it particularly suitable for systems requiring frequency agility within a specified band. This model covers the 450-470 MHz bands. The impedance is 50 ohms, gain is 10 dB (over dipole) and input power rating is 250 watts.

\*CA7-460 yagi antenna  
Mfr. List \$240.00 **ONLY \$215.00**



**MARTI YC450**

Marti's YC-series antennas offer five or six elements depending on the frequency selected and offer a gain of 10 dB. Please specify frequency when ordering (from 152.08 to 455.99 MHz to cover any RPU application).

\*YC450 yagi antenna  
Mfr. List \$225.00 **ONLY \$212.00**

**WILLBURT HURRYUP**

Here's a simple, inexpensive, and effective portable antenna mast for your remotes. The TMD Hurry-Up mast is designed for fast deployment of lightweight antennas. It consists of 6 graduated aluminum tubes which nest one inside another. The mast is extended by pushing up the sections and fixing them into position using quick lock/release collars. It can be fully extended to 25' in one minute. Hurry-Up's universal vehicle mounting stand allows you to take it on remotes using whatever vehicle is available. It weighs only 20 lbs. with a nested height of 6 ft.



\*HURRYUP telescope mast Mfr. List \$1,650.00 **ONLY \$1,613.00**

**Hand Trucks**



**MULTI-CART RR-10/RR-4**

The Multi-Cart combines the space-saving advantages of a lightweight, foldable, luggage cart with the big load capacity of an industrial size four-wheel dolly. Standing up it's a heavy duty handtruck with long forks. Lying down, it's a four-wheel cart that expands in length. RR-10 can hold up to 500 pounds of equipment and extends in length from 34" to 52" long. The smaller RR-4 can hold up to 350 pounds and extends from 26" to 39" in length.

RR-10 500 lb. max. handtruck/dolly  
Mfr. List \$200.00 **ONLY \$180.00**  
RR-4 350 lb. max. handtruck/dolly  
Mfr. List \$119.95 **ONLY \$99.00**

**WESTCO SUPERLITE FOLDING TRUCK**

Haul all your bulky loads without having to lug around a big kart! This lightweight folding truck can be transformed from a compact 29.5"x19"x2" to an extended 42"x19"x19" by extending the wheels back and nose plate. Features: lightweight aluminum (only 9.6 lbs.); elastic straps; big 7" rubber tread wheels; capacity 175 lbs..



220617 folding handtruck  
Mfr. List \$130.00 **ONLY \$113.00**

\* Non-inventory item subject to return restrictions.

**Equipment Cases**

**NEW**

**OTTER BOX  
WATER PROOF UTILITY BOXES**

The Otter Box was built to keep items dry. The closed cell neoprene o-ring creates a positive seal which does not allow water in. All models have been pressure and leak tested to depths beyond 100 feet and can withstand the weight of an automobile. Because of its toughness in design and materials, each Otter Box has a lifetime guarantee. All Otter Boxes come with a black nylon lanyard for carrying. Soft foam lines all boxes except 1000 Series box. Color choice is black with clear lid or bright yellow with clear lid. Dimensions are as follows:

- 1000** – (4.37"x2.87"x1" ID 3.93"x2.62"x1.37" OD) good for miniature mics, flash ROM cards, etc.
- 2000** – (6"x3.37"x1" ID 4.37"x2.87"x1.37" OD) can fit smallest MD and MP3 recorders.
- 2500** – (6"x3.37"x3" ID 6.5"x3.87"x3.37" OD) used for portable MD and DAT recorders, cell phones and cell interfaces.
- 3000** – (7.87"x3.81"x1.5" ID 8.37"x4.37"x1.87" OD) use for small shotgun capsules, multimeters or flat battery packs.
- 3500** – (7.87"x3.81" x3.62" ID 8.37"x4.37"x4" OD) can hold small mixers, handheld test equipment & microphones.



OB1000(BKORYL)CL	water-proof utility box	Mfr. List \$9.90	<b>ONLY \$9.00</b>
OB2000(BKORYL)CL	water-proof utility box	Mfr. List \$14.90	<b>ONLY \$14.00</b>
OB2500(BKORYL)CL	water-proof utility box	Mfr. List \$17.90	<b>ONLY \$16.00</b>
OB3000(BKORYL)CL	water-proof utility box	Mfr. List \$19.95	<b>ONLY \$18.00</b>
OB3500(BKORYL)CL	water-proof utility box	Mfr. List \$24.95	<b>ONLY \$22.00</b>

**ACE  
KEB SERIES**

KEB bags are perfect for toting remote gear into the field. These padded nylon bags can hold mixers, recorder, mics, codecs and much more. Each bag has a main compartment, a separate accessory compartment, carrying handle and adjustable shoulder strap. Main compartment sizes are shown below.



KEB20	7.5"x9.5"x2" carrying bag	Mfr. List \$25.00	<b>ONLY \$21.00</b>
KEB22	9.5"x12.5"x3" carrying bag	Mfr. List \$25.95	<b>ONLY \$22.00</b>
KEB31	13"x13"x3" carrying bag	Mfr. List \$37.95	<b>ONLY \$32.00</b>
KEB30	18"x18"x4" carrying bag	Mfr. List \$54.95	<b>ONLY \$45.00</b>

**PELICAN  
1527**

The Pelican Convertible Travel Bag is designed to fit inside a 1520 Hard Case. The bag is constructed of heavy-duty waterproof padded nylon with multiple front and side gadget pockets. Size 15.5" x 12.5" x 6.25".



1527	convertible travel bag	Mfr. List \$113.56	<b>ONLY \$102.00</b>
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**ROKSAK  
RC154**

This lightweight 4-space rack bag has a tough inner shell and a durable nylon cover with handles for carrying equipment safely into the field. Front flap zips up to protect the face of your equipment.



RC154	4-space rack bag	Mfr. List \$69.95	<b>ONLY \$53.00</b>
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**PELICAN  
1500/1600 SERIES**

Made of lightweight space-age structural resin with neoprene O-ring seal and exclusive purge valve, Pelican hard cases are water proof (to 30 feet) and airtight for the ultimate in protection. Dimensions:

- 1500** – (17"x11.5"x6.25" ID 18.31"x14.12"x7" OD).
- 1520** – (17.93"x12.75"x6.25" ID 19.12"x15.68"x7.62" OD).
- 1600** – (21.62"x16.87"x7.87" ID 24.25"x19.43"x8.68" OD).
- 1650** – (28.75"x17.87"x9.75" ID 32.68"x20.18"x11.18" OD).



1500	water-proof case	Mfr. List \$140.46	<b>ONLY \$125.00</b>
1520	water-proof case	Mfr. List \$154.56	<b>ONLY \$138.00</b>
1600	water-proof case	Mfr. List \$207.92	<b>ONLY \$186.00</b>
1650	water-proof case	Mfr. List \$304.76	<b>ONLY \$272.00</b>

**SKB  
ATA SERIES**

These tough 19" rack cases are made for punishing road and air travel with latched and gasketed front and rear covers to protect equipment from moisture and dirt. All cases are 14" deep and are available in sizes from 2 to 12 rack spaces. The ultra tough polyethylene shell is half the weight of old-fashioned wood cases, yet offers maximum protection. ATA approved.



*SKB19-2U	2-space portable rack case	Mfr. List \$185.95	<b>ONLY \$112.00</b>
*SKB19-4U	4-space portable rack case	Mfr. List \$209.95	<b>ONLY \$137.00</b>
*SKB19-6U	6-space portable rack case	Mfr. List \$239.95	<b>ONLY \$144.00</b>
*SKB19-8U	8-space portable rack case	Mfr. List \$309.95	<b>ONLY \$186.00</b>
*SKB19-12U	12-space portable rack case	Mfr. List \$399.95	<b>ONLY \$240.00</b>

**SKB  
SKB RACK SERIES**

Roto-Racks are the newest line of racks from SKB that combine toughness with style and value. These rotationally molded racks have front rails, a removable front lid and rear access door. A durable exterior with large molded-in handles make them excellent for protecting all of your audio equipment. As always with SKB racks, they're designed to be stackable. Available in 4-, 6- and 8-rack sizes.



*SKBRACK4	4-space, portable equipment rack	Mfr. List \$119.00	<b>ONLY \$80.00</b>
*SKBRACK6	6-space equipment rack	Mfr. List \$139.95	<b>ONLY \$93.00</b>
*SKBRACK8	8-space equipment rack	Mfr. List \$159.95	<b>ONLY \$105.00</b>

**Modulation Monitors**



**BELAR  
FM/AM SERIES**

For more than 30 years, Belar has been making precision modulation monitoring products and established a reputation that makes their name synonymous with reliability. Belar makes a model and options to fit every application. Call BSW with your needs and speak to our knowledgeable sales professionals.

- \*FMM2 **FM modulation monitor**  
Mfr. List \$1,790.00 **ONLY \$1,685.00**
- \*FMS2 **FM stereo modulation monitor**  
Mfr. List \$2,050.00 **ONLY \$1,930.00**
- \*FMM4A **FM digital frequency monitor**  
Mfr. List \$1,590.00 **ONLY \$1,497.00**
- \*SCM2 **SCA modulation monitor**  
Mfr. List \$2,050.00 **ONLY \$1,930.00**
- \*RFA4 **frequency agile FM RF amplifier**  
Mfr. List \$1,190.00 **ONLY \$1,120.00**
- \*RFA1A **fixed frequency FM RF amplifier**  
Mfr. List \$850.00 **ONLY \$800.00**
- \*AMM2C **AM modulation monitor**  
Mfr. List \$1,590.00 **ONLY \$1,497.00**
- \*AMM3 **AM modulation monitor**  
Mfr. List \$1,790.00 **ONLY \$1,685.00**
- \*AMM4 **AM digital freq monitor**  
Mfr. List \$1,390.00 **ONLY \$1,309.00**
- \*RFA2 **AM RF amplifier (specify frequency)**  
Mfr. List \$790.00 **ONLY \$744.00**



**BELAR  
WIZARD SERIES**

The FMMA1 Wizard is a microprocessor-controlled, digital modulation monitor/analyzer, available in FM and AM models that precisely measure peak modulation, peaks per minute, average peak modulation, modulation density and more. The Wizard Software (included with the Wizard) and your IBM-compatible computer enable real-time graphing, logging and remote operation. The FMSA1 combines with the FMMA1 baseband unit to offer DSP-based stereo monitoring.

- \*FMMA1 **FM modulation monitor**  
Mfr. List \$3,300.00 **ONLY \$3,106.00**
- \*FMSA1 **stereo monitor for use with Belar FMMA1**  
Mfr. List \$3,900.00 **ONLY \$3,671.00**
- \*AMMA1 **AM modulation monitor**  
Mfr. List \$3,300.00 **ONLY \$3,106.00**

\* Non-inventory item subject to return restrictions.



Low Cost  
Modulation  
Monitor

**INOVONICS  
530-00**

The 530-00 combines a frequency-agile, wideband FM receiver with very linear demodulation and metering circuitry for precise measurement of FM broadcast carrier modulation. Features: carrier modulation scale displays total modulation or Independent positive and negative deviation in three ranges and resolutions; peak hold function and program peak measurement integration; adjustable peak flasher (1% increments); stereo pilot injection level shown in percent and dB; demodulation stereo program metering has an 80dB range and 1dB resolution for level and noise measurements of the L, R, sum and difference channels; front-panel display of signal strength and multipath effects; tunable receiver with eight presets; automatic switchover to direct RF sample (if desired); continuous coverage of the FM broadcast band; preset alarm indicators for poor reception conditions; manual selection of forced-mono mode and program de-emphasis; headphone Jack.

53000 **FM off-air modulation monitor** Mfr. List \$2,500.00 **ONLY \$2,237.00**



**DELTA  
SM-1**

Now you can use the same tool that the FCC uses to measure your station's compliance with NRSC and FCC regulations and requirements. The SM-1 is inexpensive and easy to use and interpret.

- \*SM-1 **splatter monitor**  
Mfr. List \$4,490.00 **ONLY \$4,646.00**
- \*AWA1 **active whip antenna for Delta SM-1**  
Mfr. List \$780.00 **ONLY \$771.00**



**MODULATION SCIENCES  
MODMINDER FMMM2**

Increase modulation with less processing, and still stay within FCC limits. ModMinder gives you more accurate measurement of modulation in accordance with the most recent FCC standard. FM ModMinder registers only those longer events that the FCC really cares about. The end result is you may be able to boost your modulation up to 3 dB depending on the type of processing you use. Digital technology improves measurement accuracy by 500% and user-selectable response time allows less processing without sacrificing loudness. Remote software is included for dialup access. This ModMinder FMMM2 includes an internal demodulator.

- \*FMMM2 **FM modulation monitor**  
Mfr. List \$3,090.00 **ONLY \$2,793.00**



**MODULATION SCIENCES  
MSI-320**

The Modulation Sciences MSI-320 precision video demodulator provides advanced, accurate measurement and monitoring of visual and aural signals for TV and cable at an affordable price. Features: Nyquist SAW filter; synchronous video detector; continuous all-channel tuning; a high-quality aural composite baseband output; non-Intercarrier or quasi-parallel aural, and status alarms for sync, audio and RF; <1.2% differential phase and <1.2% differential gain; easy-to-read and easy-to-set-up front panel display and menus.

- \*MSI320 **video demodulator**  
Mfr. List \$5,650.00 **ONLY \$5,318.00**



**QEI  
691/01**

The 691/01 is a highly technical, precision instrument employing a combination of test techniques in a versatile yet very compact package. It was designed to be a complete FM test package with facilities for all proof-of-performance measurements and a wide range of troubleshooting tests. Operator convenience and simplicity of use were primary considerations in the design of the 691/01. 18 tests can be performed in addition to measuring FM and SCA modulation when used with an oscilloscope.

- \*691/01 **FM modulation monitor/test set**  
Mfr. List \$7,095.00 **ONLY \$6,412.00**

## Modulation Monitors

## Dependable Modulation Monitors for AM &amp; FM

## 520 AM Mod-Monitor

- Built-in, tunable preselector for accurate off-air measurements
- Easy-to-read, peak-hold modulation display
- Alarm and RS-232 data outputs
- Companion active antenna option



## 530 FM Mod-Monitor

- Off-air operation with 8 station presets
- High-resolution displays for deviation, audio, pilot, RF signal and multipath
- Accurate and affordable
- Check out our 540 Subcarrier Monitor for SCA, RDS and data



Download full spec sheets at [www.inovon.com](http://www.inovon.com)

Inovonics



TFT 844A



## RDS/RBDS/Tuners

INOVONICS  
701

The 701-00 is a unique and inexpensive encoder that, within minutes, will have you broadcasting the radio-data IDs, service flags and text messages which the latest consumer receivers are already seeking. **Features:** stand-alone operation does not require a dedicated host computer; messages held in non-volatile memory (the encoder may be conveniently programmable, then taken to the final installation site); locks to stereo pilot from bridged composite/MPX sample (no special 19 kHz sync port is required); simple menu-driven programming software included.

\*70100 RDS encoder Mfr. List \$390.00 **ONLY \$349.00**

INOVONICS  
710

Get RDS on the air quickly with this versatile dual-mode encoder. The 710 is a fully dynamic encoder that can be used in tandem with a PC to give you on-line control, or it can operate in static mode with up to 15 pre-programmed frame sets that can be selected locally or remotely. **Features:** unity-gain, loop-through operation with fail safe bypass; phase-locks to stereo pilot or defaults to internal crystal timebase; front-panel or remote message frames selection (automatic sequences through selected message frames); free initial factory programming of the static message frames (menu-driven EPROM programming software comes with the 710); no additional hardware required for PC controlled dynamic operation (all necessary software is supplied).

\*71000 RDS/RBDS encoder  
Mfr. List \$1,050.00 **ONLY \$940.00**

TFT  
844A/884

With the 844A, you get everything you need for complete proof-of-performance measurements (for distortion, an external analyzer is needed) right on the front panels, plus accuracy, versatility and convenience no other monitors can match. The 844A FM Monitor combines a tunable RF preselector, a baseband monitor and a stereo monitor in one compact instrument.

A cost effective alternative to TFT's popular model 844, the 884 can be used for transmitter proof-of-performance measurements or for off-air monitoring. The frequency synthesized preselector lets you compare your signal with other stations.

\*844A FM stereo modulation monitor  
Mfr. List \$5,150.00 **ONLY \$4,809.00**

\*884 FM modulation monitor  
Mfr. List \$3,765.00 **ONLY \$3,516.00**

TFT 884

INOVONICS  
711

The 711 is a low cost, 'dynamic' encoder that's simple to install and easy to use. Featuring the Universal Encoder Communications Protocol (UECP) standard, the 711 has the ability to work with popular hard-disk automation systems and offers a standardized interface that supports song titles, contests, etc. Loop-through or sidechain operation allows the 711 to operate with any exciter/stereo-generator combination.

\*71100 RDS encoder Mfr. List \$1,200.00 **ONLY \$1,074.00**



## RDS/RBDS/Tuners

# RBDS for the USA

RBDS radios are being supplied as standard equipment in a growing number of new US automobiles. Don't let your station be skipped-over for lack of an RBDS presence. Either Inovonics encoder is easily installed and programmed to get your 'digital signature' on the air in a matter of minutes.

## Model 701

A low-cost encoder for name, format and other basic IDs, plus static RadioText for a fixed station promo, phone number or simple advertising message.

## Model 711

A full-featured encoder supporting all the common RBDS functions. In addition to basic IDs, the 711 includes the auto-tuning "TA" traffic flag and interfaces with station automation for song titles, contests and other dynamic RadioText applications.



Inovonics 

Download full spec sheets at [www.inovon.com](http://www.inovon.com)



## BELAR RDS-1

The RDS-1 displays RDS/RBDS parameters including RDS injection, stereo pilot injection, RDS/pilot phase error, radio text, alternative frequencies, data channels, groups present, location/navigation, radio paging and more. It also features an RS-232 port for computer display.

\*RDS-1 RDS/RBDS monitor  
Mfr. List \$2,200.00 **ONLY \$2,071.00**



## CIRCUITWERKES TELERADIO

The TeleRadio is a rack-mounted device that contains an AM/FM tuner coupled with a switcher that allows any touch-tone telephone to change station presets so you can listen to your station and the competition in real-time. It's perfect for allowing consultants and group program directors to monitor up to 10 radio stations in the same market from a remote location.

TELERADIO remote control listen line  
Mfr. List \$689.00 **ONLY \$612.00**



## DENON TU1500RDP

The TU-1500RDP is an affordable AM/FM/RDS stereo tuner featuring highly sensitive reception performance and detailed, clear sound. Features: sophisticated tuning circuit design; 4-stage variable capacitors in its front end guarantee accurate tuning of station frequencies; low-impedance output circuit (100 ohms); Radio Data System (RDS) compatible; 40 AM/FM station preset memory; rack mount kit included.

TU1500RDP AM/FM/RDS stereo tuner  
Mfr. List \$399.00 **ONLY \$319.99**



## INOVONICS 510

A self-contained decoder/reader for RDS/RBDS, the 510 easily connects to the composite output jack of any modulation monitor. Features: setup mode references to 100% carrier modulation with digital metering of injection level; supports European CENELEC and U.S. NRSC standards; glossary utility defines the RDS/RBDS abbreviations; RS-232 port provides a two-way computer interface (software provided); supports groups 0, 1, 2, 3, 4, 5, 6, 7, 9, 14, 15.

\*51000 RDS/RBDS decoder/reader  
Mfr. List \$1,950.00 **ONLY \$1,745.00**



## ROLLS RS788B/RS79

The affordable Rolls RS788B has 8 AM and 16 FM presets that remain active for 4 days should the power go off. Its large LCD display remains visible even in bright daylight.

The more advanced RS79 adds balanced XLR outputs, a signal strength meter, headphone jack and 3-year preset memory.

RS788 AM/FM tuner  
Mfr. List \$247.00 **ONLY \$212.00**  
RS79 AM/FM tuner with XLR outputs  
Mfr. List \$298.00 **ONLY \$269.00**



## TEAC TR600

The TR600 is an affordable, quality AM/FM/RDS tuner. Features: Phase Locked Loop (PLL) synthesized tuning system; 20 FM and 20 AM station memory; multi-function fluorescent display; FM stereo/mono selector; station name ID function; RDS information receiver.

TR600 AM/FM tuner  
Mfr. List \$199.00 **ONLY \$168.00**

**EAS**



**GORMAN-REDLICH**

**EAS1**

Gorman-Redlich provides a cost-effective, easy-to-use EAS system. **Features:** 6 audio inputs; all audio inputs and outputs are transformer isolated from the encoder/decoder board; selectable manual or automatic modes; programmable automatic interruption of stereo program lines when preselected header code is received for insertion; digital audio storage; 5 programmable relays to supply contact closures for automation or other signal equipment; alert messages can be scrolled on a computer screen.

- \*EAS1 **EAS encoder/decoder system** Mfr. List \$1,750.00 **ONLY \$1,695.00**
- \*CRW **weather receiver** Mfr. List \$540.00 **ONLY \$529.00**



**MTS 3000D**

MTS 3000D is a comprehensive EAS solution in a single 7" high rack mount box. **Features:** 3 frequency agile internal receivers for AM, FM and national weather service (specify combination when ordering); 5 EAS inputs (three receivers, one audio and one RS232/EAS); built-in digital audio recorder and player (15 kHz bandwidth and hours of storage time); internal speaker can repeat standard EAS messages in any spoken language; operates from front panel keyboard or PC keyboard; unlimited user-programmable event and location codes; 8 control inputs/8 status outputs; 4 user programmable relays; built-in multiple station operation.

- 3000D **EAS encoder/decoder system** Mfr. List \$3,199.00 **ONLY \$3,084.00**
- EASEII **encoding software** Mfr. List \$499.00 **ONLY \$481.00**



**TFT EAS 911**

The EAS911R4 encoder/decoder includes printer, digital recorder and four audio inputs, and is part of a modular system that can be configured to fit a wide variety of applications. **Features:** sequentially lighted keys guide operators through EAS tests or alerts with ease; all programming, tests and entry are performed on front panel buttons; Practice key allows off-line operator training; control from multiple locations (up to 16) with optional remote control status modules (EAS941A) via twisted pair wiring up to 5000 feet away. Call for more information on this TFT EAS solution.

- EAS911R4 **EAS encoder/decoder with 4 audio inputs**  
Mfr. List \$2,195.00 **ONLY \$2,049.00**
- EAS930A **multi-module receiver with hot standby**  
Mfr. List \$1,470.00 **ONLY \$1,373.00**
- EAS940A **program/transmitter interrupt unit**  
Mfr. List \$459.00 **ONLY \$429.00**
- EAS941A **remote control status module**  
Mfr. List \$495.00 **ONLY \$463.00**

**STL**



**MARTI**

**STL10/R10**

For mono operations or for non-composite stereo applications, choose the STL10. Separate right and left units can be linked for stereo operation with greater interference rejection, superior noise specifications and lower channel crosstalk than most composite systems. Four optional sub-channels are available. **Features:** excellent square wave response; user selectable audio processing; low pass and band pass filtering for minimum overshoot and high selectivity; extensive front panel test functions and built-in automatic switching capability.

- \*STL10 **STL transmitter** Mfr. List \$1,835.00 **ONLY \$1,728.00**
- \*R10 **STL receiver for use with Marti STL10** Mfr. List \$1,835.00 **ONLY \$1,728.00**



**MARTI**

**STL15C/R15C**

The Marti STL-15C transmitter and companion R-15C receiver form a high-quality, frequency synthesized, radio communications link. Depending upon the available channel bandwidth, the systems can transmit composite stereo with two subcarriers, or digital stereo audio when used with external modems. **Features:** unexcelled composite stereo separation, noise and distortion specs; high interference rejection receiver; 9.5 watts of power; new narrow channels provision for automatic switching.

- STL15C **composite STL transmitter** Mfr. List \$3,000.00 **ONLY \$2,824.00**
- R15C **composite STL receiver for use w/ Marti STL15C** Mfr. List \$3,000.00 **ONLY \$2,824.00**



**MOSELEY**

**PCL6020 SERIES**

Replace your tired old STL with a new rock-solid Moseley system. The popular PCL6020 employs a synthesized reference oscillator to eliminate fixed frequency crystals. Monaural or composite operation is available from a single system. By selecting appropriate jumpers, you can enable wideband composite stereo or 15 kHz monaural basebands. The PCL6020 system consists of a transmitter and receiver. The PCL6030 and PCL6060 are designed for hostile RF environments where adjacent channel rejection is required.

- \*PCL6020 **STL system** Mfr. List \$8,250.00 **ONLY \$7,765.00**
- \*PCL6030SYS **high-rejection STL system** Mfr. List \$9,250.00 **ONLY \$8,706.00**
- \*PCL6060 **high-rejection STL package** Mfr. List \$9,950.00 **ONLY \$9,365.00**

\* Non-inventory item subject to return restrictions.

STL

# 4 Linear Channels

## To Blow You Away



# Moseley

111 Castilian Drive • Santa Barbara, CA 93117-3093 • USA  
www.moseleyab.com

With its™ Open-Architecture, All Digital, Spectrally Efficient QAM design, it can deliver up to four non-compressed audio channels over a single narrow bandwidth 1.5 GHz STL channel. AES/EBU I/Os and built-in sample rate conversion provide seamless connection without compression or delay. Selectable digital audio sampling rates of 32, 44.1, or 48 kHz together with a choice of 16, 32, or 64 QAM allows the optimization of occupied bandwidth, robustness and connectivity to equipment in the all-digital air chain. With your finger on the trigger of 4 barrels of unrestrained audio, you win. Every time.



### MOSELEY SL9003Q-4S

Moseley's Starlink SL9003Q is the transmission leader: an open architecture, all-digital, 4-channel aural STL without compromise. Using spectrally efficient QAM (quadrature amplitude modulation) technology, it conveys up to four linear uncompressed audio channels over a single narrow bandwidth 950 MHz STL channel. This uncompressed 16-bit linear audio is absolutely uncompromised and can be configured with up to two pairs of stereo audio (that's like getting two radios for the price of one). AES/EBU I/O, combined with a built-in sample rate converter, provide seamless connection without delay. User selectable digital audio sampling rates of 32, 44.1 or 48 kHz together with a choice of 16, 32 or 64 QAM allow the optimization of occupied bandwidth, robustness and connectivity to equipment in the all-digital air chain. Other features include T1/E1 connectivity and full metering and diagnostics. Talk to our knowledgeable sales staff today.

SL9003Q-4S      4-channel STL system  
Mfr. List \$16,250.00      **ONLY \$15,295.00**

Moseley DSP6000D2



Moseley DSP6000E2



### MOSELEY DSP6000 SERIES

Your key to an STL system that can pass CD quality audio is the DSP6000. This digital encoder/decoder system is designed to be used with the PCL6020 (shown previous page). Features: 90 dB SNR with only .01% distortion; operates in existing channel allocations from 100 to 500 kHz, coexisting with established analog radios; higher system gain (up to 25 dB over analog STLs), constant SNR – unaffected by fades, no crosstalk, no degradation.

DSP6000E2	2 audio and 1 data channel encoder
Mfr. List \$2,995.00	<b>ONLY \$2,819.00</b>
DSP6000D2	2 audio and 1 data channel decoder
Mfr. List \$2,995.00	<b>ONLY \$2,819.00</b>
*DSP6000E4	digital encoder
Mfr. List \$4,450.00	<b>ONLY \$4,189.00</b>
*DSP6000D4	digital decoder
Mfr. List \$4,450.00	<b>ONLY \$4,189.00</b>

**STL Antennas**

**MARK SSH9A72GN**

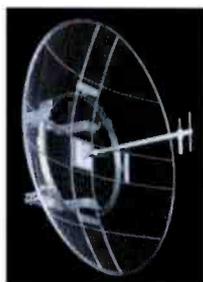
The SSH9A72GN is a point-to-point grid antenna designed to work in any frequency between 940-960 MHz. The antenna has a mid band gain of 20 dBi and half power beamwidth of 19° (horizontal) and 10° (vertical). It weighs only 30 lbs. (including feed and mount), and utilizes universal clamps for quick installation on pipe diameters from 1.9" to 3.5".



\*SSH9A72GN STL antenna  
Mfr. List \$985.00 **ONLY \$884.00**

**MARTI SC48**

This low cost, 4' antenna is broadband for the 940 to 960 MHz aural STL band and is category B rated in vertical and horizontal planes. Features: gain at 950 MHz 21.05 dBi; 1/2 power beam width 16 degrees; maximum input power 100 watts.



\*SC48 STL parabolic antenna  
Mfr. List \$895.00 **ONLY \$843.00**

**KATHREIN-SCALA PR950**

Widely used for point-to-point STL links, telemetry, and UHF-TV, the PR Series Paraflector® offers rugged construction for reliable long-term service, even in severe environmental conditions. Universal mounting bracket allows for easy horizontal or vertical mounting. Specify frequency when ordering.



\*PR950 STL paraflector antenna  
Mfr. List \$860.00 **ONLY \$840.00**

**KATHREIN-SCALA TY900**

The Scala TY-900 is a rugged broadband yagi antenna specifically designed for professional fixed-station applications in the 890-960 MHz band. The TY-900 is fabricated of 6061/T6 aluminum rod and seamless drawn pipe, anodized for maximum reliability and corrosion resistance. The internal balun, coax feed and connector are sealed in a foam potting system to prevent moisture penetration and assure long service life. Input power rating is 100 watts, gain is 10 dB and impedance is 50 ohms.

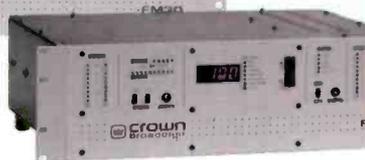


\*TY900 STL yagi antenna  
Mfr. List \$150.00 **ONLY \$147.00**

**Transmitters**



Crown FM30T



Crown FM100T



Crown FM200T

**CROWN FM SERIES**

More than just an FM exciter or amplifier, a Crown integrated FM transmitter system combines built-in audio processing and stereo generation in one rugged, compact unit. Each model provides excellent signal quality, ease of use, and economical long-term reliability with a variety of features including: quick set-up; built-in digital metering and diagnostics; 87-108 MHz user-selectable frequency range; 100/120 VAC, 220/240 VAC or DC operation. Reliable operation is a major design criterion. With Teflon circuit boards and copper heat spreaders in the RF chain, the unit functions with less heat for improved life span. A unique Automatic Level Compensation (ALC) circuit protects the unit from voltage, temperature and VSWR variations. If operating parameters move outside the safe operating range, the ALC automatically reduces output power to safe limits until normal conditions are restored. Highly efficient power amplifiers are added in the 1 kW and 2 kW transmitters.

The FM2000T 2 kW transmitter is broadband and 75 to 80% efficient across the band. It includes a power amplifier, power supply, FM100T driver and features hot-swappable 500 watt power modules, a responsive protection mode and a power-factor-corrected power supply.

The FM1000T 1kW transmitter includes power amplifier, power supply, FM30T driver and four hot-swappable 250-watt power modules. All Crown units feature a 3-year warranty.

- \*FM30T 30-watt FM transmitter Mfr. List \$4,195.00 **ONLY \$3,824.00**
- \*FM100T 100-watt FM transmitter Mfr. List \$6,150.00 **ONLY \$5,295.00**
- \*FM250T 250-watt FM transmitter Mfr. List \$7,495.00 **ONLY \$6,471.00**
- \*FM500T 500-watt FM transmitter Mfr. List \$9,795.00 **ONLY \$8,412.00**
- \*FM1000T 1-kw transmitter Mfr. List \$15,795.00 **ONLY \$14,412.00**
- \*FM2000T 2-kw FM transmitter Mfr. List \$20,795.00 **ONLY \$19,000.00**

**MARTI PNP150**

The new Plug-n-Play 150 FM transmitter gives you all the reliability, performance, ease of use and support you've come to expect from Marti. The Plug-N-Play products use the latest in digital RF



technology coupled with proven exciter technology from Broadcast Electronics. The exciter portion of the transmitter takes advantage of recent advances in DSP speed and efficiency to provide performance previously not available in this price range. Along with this ground breaking digital technology, the Plug-N-Play product line takes advantage of control and RF amplifier designs that have been proven through years of reliable use in the Broadcast Electronics exciter lines. Features: accepts analog or digital audio input from an STL, ISDN or direct feed; built-in stereo generator and colorless audio processor; up to 150 watts into 1.5 to 1 VSWR; frequency range: 87.5 MHz to 108 MHz - jumper selectable to specific operating frequency; programmable in 10 kHz steps; full remote control ready; easy to install; rack mountable or suitable for table top operation; digital inputs: AES/EBU, S/PDIF, TOSLINK; analog inputs: composite, left and right, audio.

\*PNP150 150-watt FM transmitter Mfr. List \$4,950.00 **ONLY \$4,659.00**

**MARTI ME40**

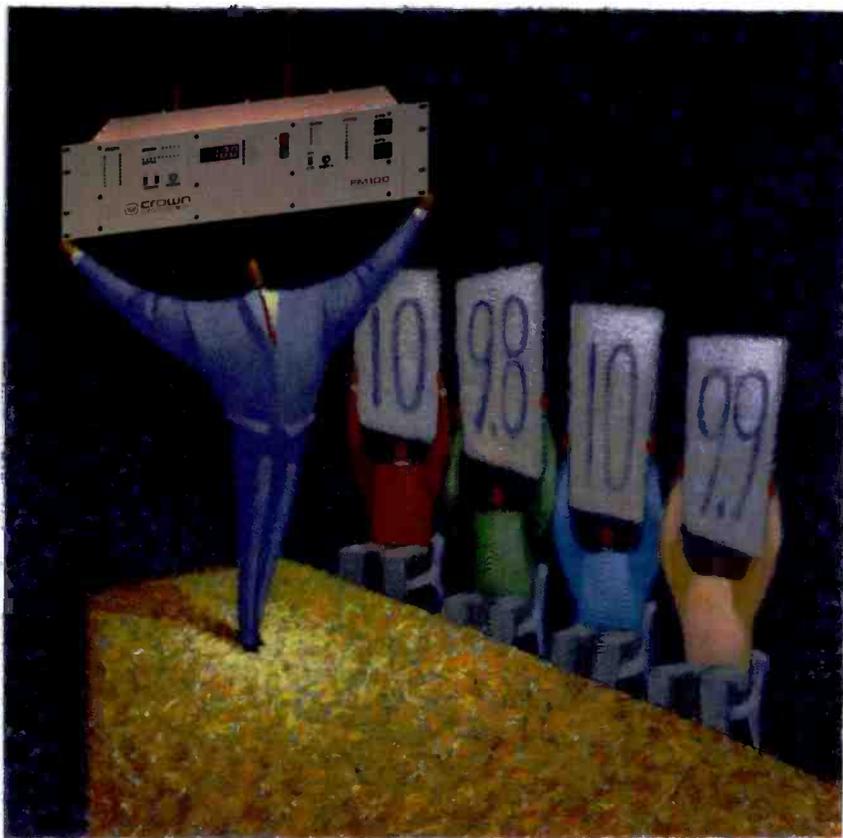
The ME40 is a quality 40 watt synthesized FM exciter at a surprisingly low price. This is an excellent choice to replace your older exciter or for use as a standby. Features: 40 watts VSWR protected power, peak-hold baseband modulation LED display, test multimeter with forward and reverse power ranges, full remote capability; 2-year limited warranty.



\*ME40 40-watt FM exciter Mfr. List \$3,495.00 **ONLY \$3,290.00**

\* Non-inventory item subject to return restrictions.

**Transmitters**



**We Still Get Rave Reviews**

Ever since we introduced our ground-breaking integrated transmitter, we've been getting rave reviews. With more than 50 years of broadcast industry experience behind our company, it's no wonder.

Just as importantly, at Crown Broadcast, we're committed to designing and manufacturing the FM radio products that will earn you rave reviews from your listeners.

Call BSW today for these versatile and innovative products:

- Transmitters
  - Exciters
  - Translators and Satellators
  - Amplifiers
- (In power levels from 30 watts to 2 kW)



25166 Leer Drive Elkhart, IN 46514



**QEI  
QUANTUM M SERIES**

Designed for years of trouble free service, the totally solid state QUANTUM M-Series FM transmitters, provide an unsurpassed broadcast signal. These transmitters feature modular power amplifiers and are available in power levels between 1.2 and 5.4 kilowatts in 600 watt increments. You can buy precisely the amount of power you need. This makes the QUANTUM M-Series transmitters affordable to own and operate by avoiding the inefficiency of running a higher power transmitter at low output power levels. Up to 9.6 kW solid state FM models and up to 30 kW tube FM models are also available.

*QUANTUMM1.2	1.2-kW solid state FM transmitter with exciter	Mfr. List \$20,595.00	<b>ONLY \$18,610.00</b>
*QUANTUMM1.8	1.8-kW solid state FM transmitter with exciter	Mfr. List \$22,695.00	<b>ONLY \$20,508.00</b>
*QUANTUMM2.4	2.4-kW solid state FM transmitter with exciter	Mfr. List \$24,795.00	<b>ONLY \$22,406.00</b>
*QUANTUMM3.0	3.0-kW solid state FM transmitter with exciter	Mfr. List \$26,895.00	<b>ONLY \$24,303.00</b>
*QUANTUMM3.6	3.6-kW solid state FM transmitter with exciter	Mfr. List \$29,695.00	<b>ONLY \$26,833.00</b>
*QUANTUMM4.2	4.2-kW solid state FM transmitter with exciter	Mfr. List \$32,295.00	<b>ONLY \$29,183.00</b>
*QUANTUMM4.8	4.8-kW solid state FM transmitter with exciter	Mfr. List \$34,895.00	<b>ONLY \$31,532.00</b>
*QUANTUMM5.4	5.4-kW solid state FM transmitter with exciter	Mfr. List \$37,495.00	<b>ONLY \$33,882.00</b>



**QEI  
QUANTUM E SERIES**

The QUANTUM "E" establishes a new level in FM performance with the advantage of the highest power emergency back-up available in an exciter style package. QEI took the field-proven design of the model 695 exciter and incorporated a high power FET amplifier to deliver uncompromised performance as a transmitter, exciter, booster or optionally as a translator. The QUANTUM "E" is an all solid state, broadband, frequency synthesized, "on carrier" direct FM transmission system, designed to exceed the FCC requirements for use in the FM broadcast band. The QUANTUM 150E, 300E and 600E are housed in a rack space saving dual 5-1/4" package. These transmitters will fit into virtually all transmitters to act as an exciter/driver upgrade for older systems.

*QUANTUM150E	150-watt FM exciter/transmitter	Mfr. List \$4,950.00	<b>ONLY \$4,473.00</b>
*QUANTUM300E	300-watt FM exciter/transmitter	Mfr. List \$5,695.00	<b>ONLY \$5,147.00</b>
*600E	600-watt FM exciter/transmitter	Mfr. List \$7,795.00	<b>ONLY \$7,044.00</b>

\* Non-inventory item subject to return restrictions.

## Transmitter Equipment



### ALTRONIC ALTRONIC GROUP

Altronic Research, Inc. manufactures the Omegaline RF coaxial load resistors (dummy loads). These are economical, lightweight, portable dummy loads for terminating coaxial transmission lines and are available in air or water cooled models.

\*Prices Based On Configuration



### DELTA COAXIAL TRANSFER SWITCHES

Delta Electronics offers a range of high quality RF related products including a series of coaxial transfer switches for 3-1/8" and 1-5/8" transmission line. These units can switch transmission line in less than two seconds with manual or remote operation.

\*Call BSW For More Information

### KINTRONICS ISOCOUPERS

Kintron Laboratories' Isocouplers provide versatility to existing AM radiating elements by allowing for installation of transmit/receive, FM and TV antennas operating in the frequency range of 30-1000 MHz without disrupting AM antenna characteristics.

\*Pricing Based On Configuration



### ANDREW COAXIAL CABLE

The Andrew Corporation, world leader in the design and manufacture of communications equipment and systems, is well known in the radio broadcast community for supplying high quality transmission cable and related accessories. BSW is proud to represent a complete line of products for all your transmission cabling requirements including HELIAX® foam and air-dielectric cable connectors and accessories, rigid transmission line and accessories, and STL antennas.

\*Call BSW With Your Requirements



### ELECTRO IMPULSE RF COAXIAL LOADS

Electro Impulse is a leading supplier of specialized equipment for the communications and broadcast industries such as dry, convection and forced air-cooled loads.

\*Prices Based On Configuration

### CABLEWAVE COAXIAL CABLE

Cablewave Systems is dedicated to the design and manufacture of RF related products including: aluminum and fiberglass parabolic microwave antennas, Flexwell and Cellflex low loss coaxial cables, rigid coaxial lines, Flexwell elliptical waveguides, connectors, pressurization equipment, and RF associated accessories. BSW carries the complete line of Cablewave products and can supply the proper products for any situation.

\*Call BSW Toll Free With Your Requirements



### JAMPRO FM ANTENNAS

Jampro manufactures a complete line of FM antennas and associated RF products including the "Penetrator" series of FM sidemount antennas, the JBCP "Rototiller" design and the revolutionary JBBP sidemount with balanced feed design. Jampro antennas are available in a wide variety of power levels and configurations for virtually any application. Over 35 years of manufacturing expertise goes into every antenna, combiner, filter and rigid line component they make.

\*Call BSW For Prices And Specifications



### O2WIRELESS SOLUTIONS (TWR) LIGHTING EQUIPMENT

The TWR lighting division of o2wireless Solutions offers a full range of ETL-certified and FAA-approved obstruction lighting for any height or voltage requirement. Whether you need replacement lamps or parts, or need a complete lighting system design, BSW can plug you into the TWR resources you need.

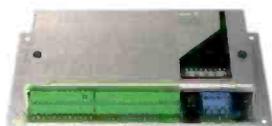
\*Call For BSW Pricing And Configurations



**BROADCAST TOOLS**  
**DC8A**

This dial-up remote control allows the user to control a facility from any touch-tone telephone. The DC-8A will answer the phone line after the programmed number of rings (up to 20), accept an access code of up to 8 digits and if valid, will allow the control of 8 form-A relays and the monitoring of 8 logic level status inputs. **Features:** audio hybrid allows user to send and/or receive external audio, while controlling the unit; the pager alert function can activate up to 3 digital pagers; programming of nearly all functions via a standard touch-tone phone; defeatable CPC control; each relay may be configured for momentary, latching or interlocking closures.

**DC8A dial up DTMF controller**  
Mfr. List \$419.00 **ONLY \$404.00**

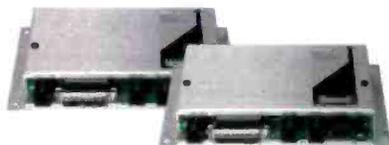


**BROADCAST TOOLS**  
**SRC8A/SRC8B**

The SRC-8A serial remote control provides a means of adding eight channels of remote control to RF, wireline and fiber-type STL systems. The SRC-8A may also be used with dedicated modems (US Robotics courier only) from 1200 to 9600 baud. The SRC-8A consists of two units. The SRC-8T which is located at the origination end (studio) and the SRC-8R which is at the receiving end (transmitter site). Each unit is supplied with a 12-volt AC wall transformer, modular cord and a modular 9-pin D-sub adaptor. The units are supplied with or without 8 opto-isolated inputs on the SRC-8T and 8-SPST relays on the SRC-8R. SRC-8A is a half duplex system. SRC-8B is a full duplex unit.

**SRC8A remote relay control, half duplex**  
Mfr. List \$419.00 **ONLY \$404.00**

**SRC8B remote relay control, full duplex**  
Mfr. List \$529.00 **ONLY \$468.00**



**BROADCAST TOOLS**  
**ENC-16/DEC-16**

The ENC-16 encodes all 16 DTMF tones. **Features:** modes for decimal, binary input contact closures, RS-232, single and sequential tone operation; telephone coupler w/autodialer and balanced output. Mates with the DEC-16 for a complete remote control system.

For decoding all 16 DTMF tones, use the DEC-16. **Features:** 16 SPST relays; RS-232 serial port; telephone coupler w/autodialer; modes for momentary, interlocking-latching relay, single and two-tone operation and balanced input. Mates with the ENC-16 for a complete remote control system.

**ENC16 encoder/autodialing coupler**  
Mfr. List \$299.00 **ONLY \$284.00**

**DEC16 decoder/autodialing coupler**  
Mfr. List \$279.00 **ONLY \$265.00**

**NEW**



**BROADCAST TOOLS**  
**AVR-8**

The AVR-8 automatically reports changes detected on its digital inputs to a remote telephone and/or pager. After speaking a greeting message, which identifies the source of the call, the AVR-8 then speaks a unique message for each input change. This message comes factory programmed, but may easily be re-recorded with its own customized message, such as "WWWX OFF AIR", etc. After reporting, the AVR-8 allows you to give it commands through your telephone keypad.

**AVR8 alarm voice response**  
Mfr. List \$299.00 **ONLY \$278.00**

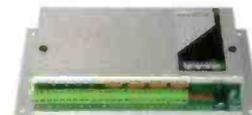


**BROADCAST TOOLS**  
**PBB24**

The PBB-24 provides 24 SPST buttons that may be used to remote control external equipment. **Features:** button caps allow for legend cards; 24 SPST N.O. heavy duty silent switches; 32 character-printable ASCII serial strings per switch; RS-232 serial port; non-volatile program memory; power and data activity LEDs.

**PBB24 programmable button box**  
Mfr. List \$319.00 **ONLY \$303.00**

**Remote Control**



**BROADCAST TOOLS**  
**BOR-4**

4 independent 2PDT relay interfaces with two opto-isolated and logic inputs-programmable logic and pulse stretching (delays) from 500 ms (1/2 second) to 108 minutes.

**\*BOR4 Box-O-Relays with 4 independent relays**  
Mfr. List \$159.00 **ONLY \$151.00**



**BROADCAST TOOLS**  
**UI4II**

The UI-4II facilitates interfacing transmitters, audio/video equipment or any piece of equipment with differing logic levels and functions. **Features:** four optically isolated/bridged 5-28 volt AC or dc inputs that operate four SPDT relays with LED indicators; operates independently or paired for latched or momentary outputs; momentary or continuous inputs; onboard DIP switches allow 2 dozen configuration combinations; compatible with TTL/CMOS logic levels, open collectors, contact closures or any voltage between 5 and 28 vdc/vAC; can monitor telephone ring voltage;

**UI4II utility control interface**  
Mfr. List \$149.00 **ONLY \$138.00**



**BURK**  
**ARC16**

Now, you have a choice: full-time studio control and monitoring, dial-up telephone control - or both. Because of its modular design, the ARC-16SA offers features never before available in a 16-channel remote control system. With the studio controller, you have a constant link to your transmitter, for instantaneous response. The 32-character LCD display shows out-of-tolerance conditions at a glance, and makes it easy to make adjustments. The ARC-16 offers control and metering of studio equipment, including program automation, EAS, security, status control and alarm functions at both the studio and transmitter site. The two-unit system has 16 channels of analog metering, 16 status channels and 32 control outputs. Indicators and connections for external audible alarms alert the operator to out-of-tolerance conditions. The Enhanced Speech Interface lets you take control using the telephone keypad from any touch-tone phone. It can be used as the only control, or in addition to the studio controller. **Features:** digitally-recorded human voice for dial up; built-in subcarrier generators; built-in alarms and multiple site control. Options: AutoPilot™ for Windows makes automatic operation of a studio/transmitter facility easy.

**Top Seller**

**\*ARC16SA remote control system** Mfr. List \$2,995.00 **ONLY \$2,886.00**  
**\*ARC16 2 unit remote control system** Mfr. List \$3,895.00 **ONLY \$3,753.00**

\* Non-inventory item subject to return restrictions.

Remote Control

**Top Seller**

**SINE SYSTEM  
RFC1/RAK/RP8**

Call and monitor your transmitter from any telephone with the Sine Systems RFC1/RAK-1 and RP-8. This system, comprises of a remote facilities controller and relay panel (sold separately) is one of the most reliable in the industry. The RFC1/RAK-1 is the "brain" of the system and incorporates the popular RFC-1/B in a upgraded rack mount chassis. This unit now contains a 2400 baud 'AT' modem for external control by computer and a parallel printer port so you can have simultaneous modem and printer operation. It also features built-in battery backup and surge suppression on the phone line (with optional SP8/TO surge protector). The RP-8 is the interface to outboard equipment. It provides eight channels of telemetry input and control output. In addition to being controlled manually via telephone, the RFC1/RAK-1 can be programmed to perform tasks automatically.

RFC1RAK	dial-up remote site controller with RAK1	Mfr. List \$1,950.00	<b>ONLY \$1,540.00</b>
RFC1B	dial-up remote site controller	Mfr. List \$1,250.00	<b>ONLY \$987.00</b>
RAK1	rack adaptor with modem for RFC1B	Mfr. List \$700.00	<b>ONLY \$553.00</b>
RP8	relay panel for Sine Systems RFC1B	Mfr. List \$425.00	<b>ONLY \$365.00</b>
SP8/TO	battery backup/surge prot. for RFC1B	Mfr. List \$100.00	<b>ONLY \$79.00</b>

**SINE SYSTEM  
DAI-2**

The DAI-2 is designed primarily to allow remote broadcasts at unattended stations but its uses are nearly unlimited. The DAI-2 combines a telephone autocoder, a DTMF tone operated controller, audio switching, alarm sensing and output relays into an incredibly flexible system. The new relay panel includes one DPDT and seven SPDT relays with LED Indicators.

The optional DA12/DB delay board can be used to eliminate the brief control tone bursts from reaching the air audio signal.

DAI-2	dial up audio interface	Mfr. List \$965.00	<b>ONLY \$762.00</b>
*DA12/DB	delay board for Sine Systems DB1	Mfr. List \$135.00	<b>ONLY \$107.00</b>



Sine Systems RP8



Sine Systems DAI-2

Sine Systems RFC1/RAK-1



Sine Systems AFS2

**SINE SYSTEM  
AFS2**

The AFS-2 is typically used to trigger an alarm on a remote control system or terminate transmission if program audio fails. It monitors one or two audio signals and provides a relay contact closure as long as audio is present on at least one of the two audio inputs. When no audio is present on either input for a preset length of time, the relay contacts open and an Alarm LED lights. The length of the delay is adjustable from 7 seconds to 4.5 minutes. AFS-2 can be used with RFC-1/B remote control (above).

*AFS2	audio fail safe	Mfr. List \$260.00	<b>ONLY \$206.00</b>
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**CIRCUITWERKES  
DR10**

Control your equipment from anywhere there is a DTMF phone with the DR-10. Features: audio hybrid lets you control equipment while monitoring external audio; audio in and out are active balanced with gain controls; password protected; control 10 relays (two are DPDT) that can be momentary, latching or interlocked with other relays; a special momentary-at-end-of-tone mode makes it easy to control automation from the field without getting start tones on the air; relays can be assigned to any tone; anti-falsing and two-tone modes prevent unwanted closures during audio feeds; relays can beep when activated; four status inputs can dial pagers, etc. and can close relays when activated; auxiliary audio input lets you control the DR-10 from an external audio source, with or without telephone connection; status indicators for power, unlocked, DTMF and programming mode; external logic outputs for online and unlocked. Options: Silencer (mutes all DTMF signals so none get on the air); CP-1 call progress detector for PBXs and telcos without normal hang-up signals.

DR10	dial-up remote site control	Mfr. List \$399.00	<b>ONLY \$362.00</b>
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**GENTNER  
VRC2500PKG**

Intelligence, reliability and versatility make the VRC2500 one of the best values in remote facilities management. The remote site control unit is ideal for single-site stations providing 16 channels each of metering, status and command. The VRC2500 monitors your transmitter and alerts you if an alarm condition occurs. It also enables you to create commands and macros which can be executed automatically or at scheduled intervals. The dial-up option allows you to use a standard telephone to retrieve data, execute commands or macros, and receive alarm notifications. It also has the ability to operate unattended. A PC is only required for setup and monitoring, not for smart operation. The highly innovative Windows-compatible operating software is included. The VRC2500PKG system includes the main unit, one command relay, two wiring interfaces and one 2-wire modem. Call today for pricing on other systems.

VRC2500PKG	dial-up remote site control	Mfr. List \$3,750.00	<b>ONLY \$3,530.00</b>
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**MOSELEY  
MRC1620RT/MRC1620CT**

The MRC1620 system consists of a remote terminal that allows an optional control terminal or IBM PC with TaskMaster20 software to monitor and control a remote facility from both dedicated and/or dial-up control points. The MRC1620 remote terminal comes equipped with 32 relay isolated command outputs (16 raise/16 lower), 16 TTL status inputs and 16 analog metering inputs with the required terminal connectors. All status channels are simultaneously displayed on a set of 16 LEDs. The front panel displays read-outs of selected channel number and telemetry data. LEDs indicate operation mode, alarms and other parameters. During alarm conditions, intelligent automatic corrective action can be taken by the remote terminal under the direction of the TaskMaster20. The remote terminal comes equipped with the appropriate modems to communicate over dedicated circuits.

*MRC1620RT	MRC1620 remote site terminal	Mfr. List \$3,450.00	<b>ONLY \$3,081.00</b>
*MRC1620CT	MRC1620 control site terminal	Mfr. List \$1,550.00	<b>ONLY \$1,384.00</b>
*TM20	TaskMaster 20 software for MRC1620	Mfr. List \$1,150.00	<b>ONLY \$1,015.00</b>

\* Non-inventory item subject to return restrictions.

**Remote Control**



**RDL  
AUDIO CONTROL RELAYS**

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems. Requires 24-volt power supply (PS24A sold separately).

ST-ACR1 is an audio control relay (5-5.0 sec. release – line in).

ST-ACR1M is an audio control relay (5-5.0 sec. release – mic in).

ST-ACR2 is an audio control relay (5-50 sec. release – mic in).

ST-LCR1 is a logic controlled relay (momentary pulse).

ST-LCR2 is a logic controlled relay (alternate pulse).

ST-SSR1 is a solid state audio relay.

**STACR1 audio controlled relay**

Mfr. List \$93.00 **ONLY \$76.00**

**STACR1M control relay**

Mfr. List \$95.00 **ONLY \$77.00**

**STACR2 audio control relay**

Mfr. List \$93.00 **ONLY \$76.00**

**STLCR1 non latch logic control relay**

Mfr. List \$72.00 **ONLY \$59.00**

**STLCR2 logic controlled relay**

Mfr. List \$106.00 **ONLY \$86.00**

**STSSR1 audio relay**

Mfr. List \$101.00 **ONLY \$82.00**

**Satellite Control**



**BROADCAST TOOLS  
SDD8**

The new Broadcast Tools SDD-8 performs RS-232 serial bi-directional data routing of up to 8 RS-232 serial ports from a single computer or control devices communications port. Applications include controlling multiple audio switchers, StarGuide and other satellite receivers. 1RU. Call BSW today for more information.

**SDD8 satellite channel controller**

Mfr. List \$399.00 **ONLY \$279.00**



**BROADCAST TOOLS  
USC-16**

The USC-16 provides remote channel selection for DAT-SEDAT digital audio cards installed in Scientific Atlanta DAT-32 series, Comtech/Fairchild DART-384 and Ariel receivers, along with 16 memory selections for Scientific Atlanta ENCORE, DSR-3610 or AD-4595 receivers. It features a 2400/9600 baud serial port for computer control, status and easy programming.

**USC-16 satellite channel controller**

Mfr. List \$319.00 **ONLY \$265.00**

**Satellite Control**



**NEW**

**BROADCAST TOOLS  
DSC32/64**

The DSC-32/64 allows complete remote control of two StarGuide II/III, Wegener Unity 4000 or ComStream receivers. An encoder control with a 16x2 LCD display provides local control and program descriptions, while external control may be in the form of serial or 32 contact closures. Sixty-four, thirty-two character ASCII character strings are provided for each receiver port. The unit also provides preset memory location for most networks. Custom programming is accomplished with a NON-DEDICATED computer! Order today.

**DSC32/64 dual satellite controller** Mfr. List \$399.00 **ONLY \$379.00**



**CIRCUITWERKES  
SUB03/SEN-6**

The Circuitwerkes SUB-03 decodes Industry standard 25 Hz, 35 Hz and combination tones with dry contacts for each. Features: LEDs for all three outputs, audio presence and clipping LEDs, balanced input and output with gain adjustments and integral audio filtering. It may also be ordered for 50 or 75 Hz operation.

The SEN-6 subaudible encoder takes contact closures and generates 25 Hz, 35 Hz, combo 25/35, 50 Hz, 75 Hz and combo 50/75 tones. Features: active balanced audio I/O with gain control.

**SUB03 subaudible tone decoder**

Mfr. List \$349.00 **ONLY \$244.00**

**SEN6 subaudible encoder**

Mfr. List \$399.00 **ONLY \$362.00**



**CIRCUITWERKES  
DTMF16/DS-8**

The DTMF-16 listens to practically any audio source and activates its optocoupler output when it hears any of the sixteen DTMF tones. Jumper selectable modes are available for momentary, interlocking-latching, two-tone and anti-falsing. Applications include backup transmitter control over STL; radio or telephone coupler; remotely controlled audio switcher; etc. Options: Silencer option board lets you send inaudible DTMF control signals via your RPU, satellite, dedicated loops, or dial-up phone lines.

**DTMF16 DTMF decoder**

Mfr. List \$219.00 **ONLY \$178.00**

**SILENCER muted 50 ohm audio delay**

Mfr. List \$159.00 **ONLY \$139.00**

\* Non-inventory item subject to return restrictions.

Studio Furniture

# Complete

Studio Furniture Package  
Configure it Anyway You Want!



**ARRAKIS  
MODFLEX1**

The popular Modulux Flex-Studio furniture package can be assembled in dozens of different ways to meet nearly any studio design. It can be assembled left or right-handed as well as in three standard configurations: Short L, Long L and Unbalanced U. All pedestal returns have front equipment racks and rear access doors. The table pedestals have both inside and outside access doors. The tabletop equipment pod provides rack mount space for tabletop equipment. A 60-inch interview table is standard. The console table is 36" deep and 45" wide to accommodate most consoles. And a 37" wide, console spanning, copy stand completes the package.

Modulux is a top-selling studio furniture system with nearly 2000 studios sold worldwide. It features solid oak trim, high pressure laminate table surfaces, complete laminate finish inside and out, ease of assembly and fast delivery from factory stock.

\*MODFLEX1 modular studio furniture Mfr. List \$4,995.00 **ONLY \$4,815.00**

# Optimized

for Audio and Video  
Production



Middle Atlantic  
Model ELURD12DG+S12DG



Middle Atlantic  
Model ESS12DC+S12C

**MIDDLE ATLANTIC  
EDIT CENTER SERIES**

Middle Atlantic's Edit Center studio furniture has been specifically designed for the rigorous demands of audio and video editing and post-production environments. Featuring two choices of high-pressure laminate desktops (cherry or graphite), the Edit Center system can be quickly arranged by simply rotating the unique side bay racks to the desired angle. Desks are available in two widths (60" and 84") and are designed with overbridges that fit multiple monitors at easy viewing angles. Each system comes complete with your choice of two styles of attached overbridge (with two under-bridge rackbays or with an underbridge open span), and features rotating speaker monitor platforms as standard equipment. Side bay racks are available with plexiglass front doors and gasketed rear doors with ultra-low-noise cooling fans. Call today.

ELURD12DG+S12DG 84" desk Mfr. List \$5,341.00 **ONLY \$3,818.00**

ESS12DC+S12C 60" desk Mfr. List \$3,981.75 **ONLY \$2,846.00**

Studio Furniture

**MIDDLE ATLANTIC MULTIDESK VIDEO SYSTEM**

MultiDesk Video System gives you the flexibility to create the ideal workstation from only six interchangeable components. Any system component may be connected with any other, allowing you to set up your furniture for the way you work. The lower 26.5" desktop height is ideal for hands-on production and the attractive gray-speckled, pressure-laminated top resists damage and is supported by heavy-duty 2" steel tube legs for stability. On the desks, heavy-duty risers hold all of your video monitors. Call BSW today to select the right components for your work space.



MDVCNR1	corner desk w/ flat overbridge	Mfr. List \$722.00	<b>ONLY \$533.00</b>
MDVCNR3	corner desk w/ raised overbridge	Mfr. List \$840.00	<b>ONLY \$618.00</b>
MDV2DSK	straight desk	Mfr. List \$489.00	<b>ONLY \$359.00</b>
MDVR12	side rack, multidesk series	Mfr. List \$244.00	<b>ONLY \$194.00</b>
MDVOB	overbridge for Middle Atlantic MDVR12	Mfr. List \$160.00	<b>ONLY \$118.00</b>
MDVW	connecting wedge, multidesk series	Mfr. List \$120.00	<b>ONLY \$89.00</b>

**Six Interchangeable Pieces Let You Create the Perfect Work Space!**

OmniRax FRC12-MAF

Omn-Rax PSST-B

OmniRax FRC24-MF



**SAVE at BSW**  
Complete audio/video mixing stations from OmniRax.  
Call and order today!

Equipment sold separately.

**OMNIRAX FORCE SERIES**

OmniRax Force12 and Force24 are elegant and expansive workstations for audio/video editing and music production. Both are available in black melamine laminate or in combination with maple or mahogany formica desk and riser surfaces, creating a beautiful environment with a high-end look. The curved workstations come in two different overbridge designs: Force12 (18x80-inch table) has three 8-space rack units underneath the overbridge. Force24 (28x85-inch table) offers two larger 12-space racks underneath the desk.

OmniRax ProStation ST is a popular economical mixing station with straight sides and slightly less thick construction. But what it lacks in glamour it makes up in functionality. It features audio racks located both underneath and above the work surface.

FRC12-B	Force 12-Series desk (black)	Mfr. List \$1,450.00	<b>ONLY \$1,173.00</b>
FRC12-MF	Force 12-Series desk (mahogany)	Mfr. List \$1,700.00	<b>ONLY \$1,375.00</b>
FRC12-MAF	Force 12-Series desk (maple)	Mfr. List \$1,700.00	<b>ONLY \$1,375.00</b>
FRC24-B	Force 24-Series desk (black)	Mfr. List \$1,450.00	<b>ONLY \$1,173.00</b>
FRC24-MF	Force 24-Series desk (mahogany)	Mfr. List \$1,700.00	<b>ONLY \$1,375.00</b>
FRC24-MAF	Force 24-Series desk (maple)	Mfr. List \$1,700.00	<b>ONLY \$1,375.00</b>
PSST-B	ProStation desk (black)	Mfr. List \$1,280.00	<b>ONLY \$1,021.00</b>
PSST-MF	ProStation desk (mahogany)	Mfr. List \$1,530.00	<b>ONLY \$1,205.00</b>
PSST-MAF	ProStation desk (maple)	Mfr. List \$1,530.00	<b>ONLY \$1,205.00</b>

\* Non-inventory item subject to return restrictions.

**Equipment Racks and Accessories**



**MIDDLE ATLANTIC WRS4**

The WRS series low-profile wall rack allows mounting of equipment in a vertical "knobs-up-fashion" for space efficiency and aesthetics. With adjustable rack rail providing 20" to 23" of usable rack depth, the innovative WRS design includes a backpan, body and solid hinged top cover to protect the equipment. Three sizes are available and each hold 150 lbs.

- \*WRS4 4-space wall rack  
Mfr. List \$311.00 **ONLY \$186.00**
- \*WRS6 6-space wall rack  
Mfr. List \$334.00 **ONLY \$271.00**
- \*WRS8 8-space wall rack  
Mfr. List \$356.00 **ONLY \$289.00**



**MIDDLE ATLANTIC RK SERIES**

These high-quality, inexpensive equipment racks ship flat for easy storage and assemble quickly with the included allen key. Racks are constructed of 5/8" thick, high-density particle board covered with black laminate. Snap-on decorative screw caps are included. Rack rails are 1/8" thick black baked enamel steel, tapped full-hole spacing to fit all equipment. 15 7/8" deep. Options: rear rack rail.

The SRK is a sloped top version with 16 vertical rack spaces and 12 sloped spaces on top. The popular RK and SRK series racks are also available with beautiful real oak laminate construction at minimal additional cost.

- RK-4 4-space (7") equipment rack  
Mfr. List \$102.00 **ONLY \$61.00**
- RK8 8-space (14") equipment rack  
Mfr. List \$127.00 **ONLY \$76.00**
- RK12 12-space (21") equipment rack  
Mfr. List \$134.00 **ONLY \$80.00**
- RK16 16-space (28") equipment rack  
Mfr. List \$144.00 **ONLY \$86.00**
- RK20 20-space (35") equipment rack  
Mfr. List \$163.25 **ONLY \$98.00**
- \*SRK sloped rolling equipment rack  
Mfr. List \$311.00 **ONLY \$186.00**



**ATLAS SOUNDOLIER 900-19**

Ship your rack by UPS? No problem. The 900 series racks are easy to assemble in stackable frames for the perfect rack in minutes. Durable frames are available in two sizes and all the necessary hardware is furnished.

- \*900-19 19" tall equipment rack  
Mfr. List \$215.00 **ONLY \$141.00**
- \*900-28 28" tall equipment rack  
Mfr. List \$238.00 **ONLY \$156.00**

**MIDDLE ATLANTIC SLIM 5 SERIES**

A versatile rack frame system, the Slim 5 provides a rugged, cost effective way to build out your studios and engineering rooms with the rack space you need. Features: patented bolt-together design ships knocked down via UPS; mechanically Interlocking corner for exceptional strength; heavy-duty 14-gauge steel top and bottom; 2 pairs fixed-position 11-gauge threaded 10-32 front and rear rack rail; can be ganged together with or without optional cable chase; 19-1/8" OD width; finished in a durable black powdercoat. Optional oak or painted metal side panels available.



Shown with optional oak sides.

- 5-43 43-space (75.25") equipment rack  
Mfr. List \$371.25 **ONLY \$222.00**
- 5-37 37-space (64.75") equipment rack  
Mfr. List \$355.75 **ONLY \$212.00**
- 5-29 29-space (50.75") equipment rack  
Mfr. List \$339.00 **ONLY \$202.00**
- 5-21 21-space (36.75") equipment rack  
Mfr. List \$308.00 **ONLY \$184.00**
- 5-14 14-space (24.5") equipment rack  
Mfr. List \$273.50 **ONLY \$163.00**

**MIDDLE ATLANTIC PTRK-14/PTRK-21**

PTRK rolling racks are perfect for portable applications. Features: welded construction for a substantial 500 lb. weight capacity; 16-gauge steel throughout; smooth-rolling 4" cushion casters; locking front and rear doors standard; rubber padded, spring-loaded handles top mounted for balance; fully adjustable 10-32 threaded front rackrail; finished in a durable textured black powder coat.



- PTRK14 14-space (34") rolling equipment rack  
Mfr. List \$585.00 **ONLY \$349.00**
- PTRK21 21-space (46") rolling equipment rack  
Mfr. List \$617.50 **ONLY \$368.00**

**MIDDLE ATLANTIC DR12**

This desktop rack unit provides 12 rack spaces for equipment mounting. Racks can secure to desktop with wood screws.



- DR12 12-space desktop rack rail  
Mfr. List \$44.00 **ONLY \$27.00**



**NIGEL B. ALDRS/RS-STD**

The Nigel B. ALDRS desktop stand features a 13RU (22.75") open frame with angle adjustment.

The RS-STD heavy-duty portable rack is ideal for any rackmount equipment such as mixers, processing gear or test equipment. Features: upper rack with 13 rack spaces can tilt to desired angle. Rack in the pedestal base has 7 spaces.

- ALDRS desktop equipment rack  
Mfr. List \$200.00 **ONLY \$188.00**
- RS-STD roll-around equipment rack  
Mfr. List \$400.00 **ONLY \$375.00**

**RAXXES ISORAXX**

The new IsoRaxx acoustic isolation rack provides engineers and musicians with the ideal place to house computers, samplers, hard-disc recorders, MDMs, and other noisy studio equipment. The IsoRaxx allows you to keep your gear nearby for easy access, but reduces ambient noise by as much as 19 lb. With 14 spaces for your rack equipment, the IsoRaxx is available in two depths: 24" or 30" overall depth. Choose from two attractive melamine finishes: light maple and ebony fleck. A clear 1/4" plexiglass panel in the front door allows perfect visibility while the solid rear door houses the specially designed blower box. Three cable access passages in the rear of the rack allow for SCSI, AC and audio cables to be routed separately, reducing cable noise. Interior depth is shortened by about 3" in front of the fan box at the top of the rack.



**NEW!**

- ISR1424B isolation rack, 24" deep, ebony fleck  
Mfr. List \$1,299.00 **ONLY \$1,084.00**
- ISR1424M isolation rack, 24" deep, maple  
Mfr. List \$1,299.00 **ONLY \$1,084.00**
- ISR1430B isolation rack, 30" deep, ebony fleck  
Mfr. List \$1,399.00 **ONLY \$1,167.00**
- ISR1430M isolation rack, 30" deep, maple  
Mfr. List \$1,399.00 **ONLY \$1,167.00**

\* Non-inventory item subject to return restrictions.

**Rack Equipment Accessories**

**MIDDLE ATLANTIC**

**CDRACK**

7" high (4-space) unit holds 40 CDs. Brushed, black anodized finish.



**CDRACK** cd storage rack  
Mfr. List \$102.25 **ONLY \$61.00**

**CLAW**

Easily organize and keep your patch cords from getting tangled with the claw.



**CLAW** wall mount cable hanger  
Mfr. List \$15.25 **ONLY \$10.00**

**D3**

Fully enclosed drawer with ball-bearing slides is 14.5" deep. Also available in 2-, 4-, 5- and 8-space versions.



**D3** 3-space rack drawer  
Mfr. List \$162.00 **ONLY \$97.00**

**FAN**

115-volt fan features smooth, ball-bearing design for quiet operation. 4-1/2" size fits FP1, FP-2 and FP-3 fan panels. Hardware and cord included.



**FAN** fan  
Mfr. List \$54.00 **ONLY \$33.00**

**DAT**

5-1/4" (3-space) unit holds 27 DATs. Brushed, black anodized finish.



**DAT** DAT storage rack  
Mfr. List \$79.00 **ONLY \$48.00**

**EB SERIES**

Middle Atlantic makes quality rack equipment and these blank panels are no exception. Choose from 1-, 2-, 3- and 4-rack-space panels.



**EB1** 1-space blank rack panel  
Mfr. List \$8.00 **ONLY \$5.00**

**EB2** 2-space blank rack panel  
Mfr. List \$11.00 **ONLY \$7.00**

**EB3** 3-space blank rack panel  
Mfr. List \$13.00 **ONLY \$8.00**

**EB4** 4-space blank rack panel  
Mfr. List \$16.00 **ONLY \$10.00**

**EVT1**

Flanged steel vent panels with black finish.



**EVT1** 1-space vent rack panel  
Mfr. List \$10.50 **ONLY \$6.00**

**EVT2** 2-space vent rack panel  
Mfr. List \$13.00 **ONLY \$8.00**

**FP1**

These fan panels, made from 16-gauge flanged aluminum, accept 4-1/2" fans. Panels are three rack spaces high and finished in black brushed finish. TFP models feature black textured finish.



**FP1** fan panel for 1 fan  
Mfr. List \$30.00 **ONLY \$18.00**

**FP-2** fan panel for 2 fans  
Mfr. List \$41.00 **ONLY \$25.00**

**FP-3** fan panel for 3 fans  
Mfr. List \$43.00 **ONLY \$26.00**

**TFP1** fan panel for 1 fan  
Mfr. List \$31.00 **ONLY \$19.00**

**TFP2** fan panel for 2 fans  
Mfr. List \$33.00 **ONLY \$20.00**

**TFP-3** fan panel for 3 fans  
Mfr. List \$36.00 **ONLY \$22.00**

**RM-CPU**

Occupying 5 spaces, the RM-CPU features 16-gauge steel construction and 1/8" thick aluminum face. Holds your PC computer securely.



**\*RMCPU** computer chassis rack  
Mfr. List \$656.00 **ONLY \$391.00**

**RMKB**

The one-space keyboard rack mount includes a high-quality standard AT-style, 101-key keyboard.



**\*RMKB** computer keyboard rack  
Mfr. List \$534.00 **ONLY \$319.00**

**SECL2/SECL4**

Keyed plexiglass hinged security cover.



**SECL2** 2-space security cover  
Mfr. List \$54.50 **ONLY \$33.00**

**SECL4** 4-space security cover  
Mfr. List \$64.00 **ONLY \$39.00**

**U2**

This heavy-duty metal 2-space rack shelf will hold your recording and audio processing equipment. Fits equipment up to 17-3/8" wide.



**U2** 2-space utility shelf  
Mfr. List \$56.00 **ONLY \$28.00**

**UTR1**

Universal mounting hole pattern works with many 1/2 rack units.



**UTR1** 1/2 rack universal shelf  
Mfr. List \$28.00 **ONLY \$17.00**

**Rack Lighting**

**MIDDLE ATLANTIC**

**HW500**

Here's a large quantity of 500 3/4" long screws with 10-32 threads. A pre-installed nylon cup washer speeds installation while providing a clean, professional appearance.



**HW500** 500 rack screws/washers  
Mfr. List \$100.00 **ONLY \$60.00**

**RACK RELEASE**

**QR**

Once in place, these quick release rack fasteners allow you to mount and unmount rack equipment without a screwdriver. 4 to a package.



**QR** 4 quick-release rack fasteners  
Mfr. List \$6.00 **ONLY \$4.00**

**Littlite L3/12**



**LITTLITE**

**LIGHTS AND ACCESSORIES**

With their sleek, unobtrusive look, Littlites complement any audio studio.

The 12" L-3/12 high-intensity light features a quartz halogen bulb, a dimmer control with off position, a wall plug-in transformer with 6' cord and permanent mounting hardware (6" and 18" sizes available at the same price).

The popular G-series lamps offer low-intensity bulbs, available in 6", 12" and 18" models. They feature a BNC base for use with popular mixing consoles. For lamps with XLR connectors see the RLX series.

**L3/12** lamp set with attached 12" gooseneck  
Mfr. List \$59.00 **ONLY \$53.00**

**WB** weighted base for Littlite L3/12  
Mfr. List \$14.00 **ONLY \$13.00**

**\*HTC** high tension clamp  
Mfr. List \$9.00 **ONLY \$8.05**

**6G** 6" gooseneck lamp with BNC connector  
Mfr. List \$26.00 **ONLY \$24.00**

**12G** 12" gooseneck lamp with BNC connector  
Mfr. List \$28.00 **ONLY \$26.00**

**18G** 18" gooseneck lamp with BNC connector  
Mfr. List \$30.00 **ONLY \$27.00**

**QS** 5-watt replacement bulb  
Mfr. List \$9.00 **ONLY \$8.05**

**1815** low intensity bulb  
Mfr. List \$3.00 **ONLY \$2.69**

\* Non-Inventory item subject to return restrictions.

**Rack/Studio Lighting**



**LITTLITE  
RLX SERIES**

The high-quality RLX series rack lights consists of a black single space rack panel equipped with two 3-pin XLR connectors ready to receive one or two detachable Littlites (6", 12" or 18" lengths). The convenient dimmer allows you to adjust the brightness of the lamp to the desired intensity. The flexible gooseneck allows you to direct the light where desired.

- \*RLX lamp rack panel w/ two XLR lamp connectors  
Mfr. List \$95.00 **ONLY \$86.00**
- 6X 6" gooseneck lamp w/ XLR connector  
Mfr. List \$32.00 **ONLY \$29.00**
- 12X 12" gooseneck lamp w/ XLR connector  
Mfr. List \$34.00 **ONLY \$31.00**
- 18X 18" gooseneck lamp w/ XLR connector  
Mfr. List \$36.00 **ONLY \$33.00**



**NIGEL B  
POWER/LIGHTING ACCESSORIES**

Nigel B. offers a 35" 12-outlet AC power strip with full surge protection and gooseneck lamp socket that can be mounted vertically in a standard equipment rack (2 units fit in a 70" rack for 24 outlets). Innovative power strips are available featuring triple surge protection with options including a BNC gooseneck lamp socket and a front panel telephone/modem jack with cord for a phone extension in your rack.

- 3512SPL 12-outlet power strip with lamp socket  
Mfr. List \$150.00 **ONLY \$141.00**
- SP-8 8-outlet power strip  
Mfr. List \$140.00 **ONLY \$132.00**
- SP8LT 8-outlet power strip with lamp socket  
Mfr. List \$170.00 **ONLY \$160.00**
- 6MHI 6" gooseneck lamp w/ BNC connector  
Mfr. List \$40.00 **ONLY \$38.00**



**LUXO  
MH806**

This well built, heavy-duty copy holder is designed for letter and legal-size documents. A spring-loaded holder clip keeps documents in place. The MH806 holds up to 4 lbs.

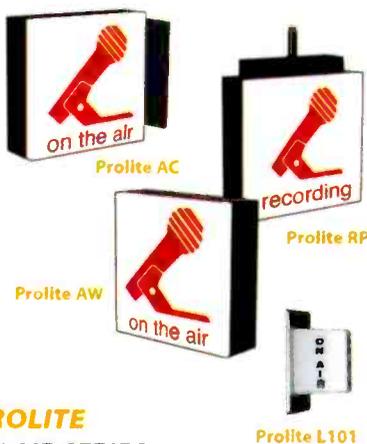
- MH806 copy holder  
Mfr. List \$150.00 **ONLY \$134.00**



**FIDELIPAC  
65340/340REC**

A popular warning light seen in stations nationwide, the 65340 has 3" red back-lit letters on a black background. Available in several languages. Dimensions: 5"H x 10"W x 2-1/2"D. Custom text available.

- 65340 "ON AIR" light, 3" high letters  
Mfr. List \$80.00 **ONLY \$69.00**
- 340REC "RECORDING" light, 3" high letters  
Mfr. List \$80.00 **ONLY \$69.00**



**PROLITE  
ON AIR SERIES**

Designed to fit a variety of interior specifications, these Prolite Architectural series lights are attractive and functional. The housing and canopy are triple ground, cast aluminum with a baked, matt black enamel finish. Dimensions are 7.5 inches square with .75" high letters (and large microphone image). Two 20-watt, 6.5" long-life lamps are supplied. Choose from three different configurations to mount where you want: single lens flat wall mount, double lens wall or ceiling mount or double lens ceiling pendant mount.

- AW single lens, wall "ON AIR" light  
Mfr. List \$231.95 **ONLY \$135.65**
- AP dual lens, pendant "ON AIR" light  
Mfr. List \$274.00 **ONLY \$193.00**
- AC dual lens, wall/ceiling "ON AIR" light  
Mfr. List \$251.95 **ONLY \$152.00**
- RW single lens, wall "RECORDING" light  
Mfr. List \$231.95 **ONLY \$136.00**
- RP dual lens, pendant "RECORDING" light  
Mfr. List \$274.00 **ONLY \$193.00**
- RC dual lens, wall/ceiling "RECORDING" light  
Mfr. List \$251.95 **ONLY \$152.00**
- AIRLENS "ON AIR" lens only  
Mfr. List \$42.00 **ONLY \$20.00**
- RECLENS "RECORDING" lens only  
Mfr. List \$42.00 **ONLY \$20.00**
- BLANKLENS blank panel  
Mfr. List \$18.95 **ONLY \$14.00**
- L101 "ON AIR" warning light, .75" high letters  
Mfr. List \$20.00 **ONLY \$19.00**



**TITUS TECHNICAL LABS  
OAL SERIES**

The OAL series provides a beautiful, practical means of indicating that a studio is in use. The lights feature a smoked glass window mounted in either a gold or silver frame which is attached to a solid wood mounting base. Oak is the standard wood used; however, custom woods are also available. The warning "ON AIR" or "RECORDING" only appears when illuminated and is blacked out when not in use. Orientation is either vertical or horizontal and wiring is class-2 type low voltage. Letters are 1" high.

- OAL( ) warning light (specify when ordering)  
Mfr. List \$125.00 **ONLY \$116.00**

**Rack Power Accessories**



**FURMAN  
AR-1215/AR-2330**

Furman AC line voltage regulators protect audio, video, computer and electronic equipment from problems caused by AC line voltage irregularities.

**AR-1215 Features:** delivers a stable 120 ±5V AC whenever the input AC line voltage is between 97V and 141V; eight outlets on the back panel, one on the front; output capacity: 15 amps; eight-tap toroidal autoformer; LED voltage meter; extreme voltage shutdown indicator.

**AR-2330 Features:** output voltage may be switched to either 220, 230 or 240; regulation to ± 10V AC; output capacity 30 amps; six outlets on back, one on the front; eight-tap toroidal autoformer; LED voltage and current meters; extreme voltage shutdown.

- \*AR1215 AC voltage regulator  
Mfr. List \$599.00 **ONLY \$447.00**
- \*AR2330 AC voltage regulator  
Mfr. List \$1,895.00 **ONLY \$1,662.00**



**FURMAN  
ARPRO**

The AR-PRO voltage regulator accepts single phase input AC voltages within two capture ranges (88-134 or 170-264 volts) and converts them to the North American standard 120 volts (±4%). This unit is ideal for situations where local power is unstable, or for use worldwide to convert different voltage levels. AC-Pro includes twelve AC outlets on its rear panel and two in the front panel, each featuring spike and RFI protection.

- \*ARPRO worldwide AC voltage regulator  
Mfr. List \$2,295.00 **ONLY \$1,728.00**

\* Non-inventory item subject to return restrictions.

## Rack Power Accessories



### FURMAN IT1220

Designed for the most critical, ultra-low-noise installations, the IT-1220 can supply 20 amps of balanced AC power. It drastically reduces hum and buzz caused both by ground currents from power supply filtering and by radiation from supply cables into sensitive signal sources, such as microphones. **Features:** up to 16 dB improvement in background noise floor in system-wide installations; toroidal transformer with center-tapped secondary is the most efficient design, with the least magnetic field leakage; soft start circuit prevents turn-on transients and high in-rush currents; extreme voltage shutdown; spike suppression; RFI filtering and ground fault interrupter protection.

\*IT1220 isolation transformer  
Mfr. List \$1,579.00 **ONLY \$1,177.00**



### FURMAN PL8/PL-PLUS

This original, high-quality Furman power conditioner and light module is the perfect accessory to any rack-mount system. Install in the top slot of your rack, and the eight switched AC outlets on the rear panel will power up all your equipment while its two slide-out light fixtures provide discrete, shadow-free illumination. It protects your equipment by combining a high voltage surge/transient suppressor with an RFI/EMI interference filter to keep out power spikes and electronic noise.

PL-PLUS features front-panel line voltage indicator.

PL8 power conditioner/light module  
Mfr. List \$159.00 **ONLY \$119.00**

PLPLUS enhanced power conditioner/light module  
Mfr. List \$229.00 **ONLY \$171.00**



### FURMAN PLUGLOCK

PlugLock is the secure solution to your wall wart problem. This inexpensive, heavy-duty outlet strip securely locks in place up to five bulky transformer or regular electrical plugs.

PLUGLOCK locking outlet strip  
Mfr. List \$58.00 **ONLY \$44.00**



### FURMAN RACKRIDER SERIES

A Furman RackRider power conditioner and light module is the perfect accessory for any rack-mount system. Install one in the top slot of your rack, and the eight switched AC outlets on the rear panel will power up and protect your equipment. All are for use with 120 volt AC lines, and are rated at 15 amps (or a total load of 1800 watts, combining all outlets). The RR-15 and RR-15-PLUS feature two slide-out, swiveling light fixtures to provide discreet illumination of your equipment. The RR-15-PLUS adds a display of incoming AC line voltage. RR-15NL is similar to the RR-15, but without the rack lights.

RR15PLUS power conditioner w/ lights/AC display  
Mfr. List \$150.00 **ONLY \$86.00**

RR-15 power conditioner w/ lights  
Mfr. List \$119.00 **ONLY \$62.00**

RR15NL power conditioner  
Mfr. List \$79.00 **ONLY \$54.00**

### DR. FERD PSA

The PSA (AKA Dr. Ferd's Wart Remover) is an easy answer for those frustrating wall wart power supply transformers. The Wart Remover takes the bulky housing of the transformer away from the power strip.



PSA power transformer extender  
Mfr. List \$9.00 **ONLY \$9.00**



### BRYCO PORTABLE CASES

If travelling with your media, these high-impact molded plastic DAT/MiniDisc racks in cordura carrying cases are superb. The smaller rack holds 8 DATs or 16 MDs. The larger model holds 40 DATs or 80 MDs. Carrying cases are made specific to DAT or MD size due to the differences in media height.

\*DP8 carry case - holds 8 DAT  
Mfr. List \$15.95 **ONLY \$15.00**

\*DP16 carry case - holds 16 DAT  
Mfr. List \$21.95 **ONLY \$21.00**

\*DP40 carry case - holds 40 DAT  
Mfr. List \$39.95 **ONLY \$38.00**

\*MDP16 carry case - holds 16 MD  
Mfr. List \$15.95 **ONLY \$15.00**

\*MDP32 carry case - holds 32 MD  
Mfr. List \$21.95 **ONLY \$21.00**

\*MDP80 carry case - holds 80 MD  
Mfr. List \$39.95 **ONLY \$38.00**

## Media Storage



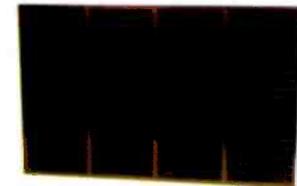
### BRYCO MEDIA STORAGE RACKS

These high-impact molded plastic racks hold 8 DAT/16MD or 40 DAT/80MD (21-3/8"W x 9-1/2"H x 2"D). Or for your CDs, Bryco's plastic rack holds 63 CDs (15-3/4"W x 13-3/4"H x 4-3/4"D).

\*DRP8 plastic rack - holds 8/16 DAT/MD  
Mfr. List \$5.95 **ONLY \$5.25**

DRP40 plastic rack - holds 40/80 DAT/MD  
Mfr. List \$21.95 **ONLY \$19.00**

CDP63 plastic wall rack - holds 63 CD  
Mfr. List \$21.95 **ONLY \$19.00**



### PRORAX MEDIA STORAGE RACKS

ProRax are constructed of the finest quality oak or mahogany hardwoods with sturdy dividers to keep to keep media organized. Durable racks will provide years of service and add natural beauty to your facility. Dimensions: CD80W (23-1/4"W x 15-1/8"H x 4-5/8"D), CS80W (20-3/16"W x 24-1/2"H x 3"D), W100 (23-1/2"W x 24-1/2"H x 4-3/4"D).

CD80W wall CD rack - holds 80  
Mfr. List \$125.00 **ONLY \$116.00**

CD80WOAK wall CD rack - holds 80  
Mfr. List \$135.00 **ONLY \$131.00**

C580W cassette wall rack - holds 80  
Mfr. List \$109.00 **ONLY \$75.00**

W100 cart rack - holds 100  
Mfr. List \$125.00 **ONLY \$116.00**



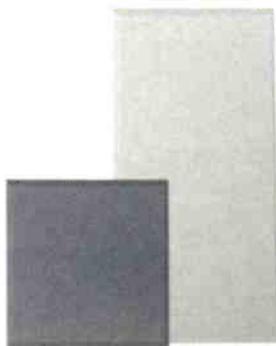
### SOHO CD2

These inexpensive, heavy-duty racks hold 12 CDs each in stackable, wall-mountable units. The modular system can be expanded in four directions. Each order includes 2 units to hold a total of 24 CDs. Model CD2 is black. Model RMR2 is available in putty or gray. Please specify.

CD2 CD holders (x2) - black  
Mfr. List \$7.00 **ONLY \$5.50**

RMR2 CD holders (x2) - putty or gray  
Mfr. List \$7.00 **ONLY \$7.00**

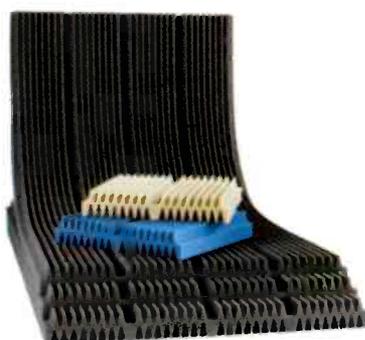
**Sound Proofing**



**MIDDLE ATLANTIC ACOUSTIC WALL PANELS**

Middle Atlantic now offers acoustic wall panels to improve your studio's audio quality and give it the professional look you want. These panels are made of 2" thick molded fiberglass for good acoustical performance and long life. All components have a Class "A" fire hazard rating and come with the same craftsmanship you expect in any Middle Atlantic product. For example, the edges are reinforced using a resin hardener and each panel comes with metal mounting clips for easy installation. Outfit your studio in one of two sizes (24x24" or 24x48") and your choice of colors (beige or gray).

- AP24X24B 24"x24"x2", beige acoustic panel  
Mfr. List \$133.50 **ONLY \$80.00**
- AP24X24G 24"x24"x2", gray acoustic panel  
Mfr. List \$133.50 **ONLY \$80.00**
- AP24X48B 24"x48"x2", beige acoustic panel  
Mfr. List \$189.00 **ONLY \$113.00**
- AP24X48G 24"x48"x2", gray acoustic panel  
Mfr. List \$189.00 **ONLY \$113.00**



**SDG CUTTING WEDGE 2000**

Cutting Wedge 2000® is made of 2 pound density high quality acoustic foam that eliminates many of the inconsistencies of other types of foam. The futuristic design allows for increased sound absorption because the sound waves travel through multiple surfaces. It comes in a standard 2.25" stackable foam allowing you to add additional layers of foam for increased absorption. You can also add additional layers of Cutting Wedge 2000® foam to rooms that may already have the Cutting Wedge Classic predecessor. Both 12"x12" (64 tiles/box) and 2'x4' (8 tiles per box) ship via UPS. Choose charcoal, tan or blue.

- CW2K2X4(CH, TAN, BLUE)BOX  
2'x4'x2.5" stackable foam (box of 8)  
Mfr. List \$177.60 **ONLY \$163.00**
- CW2K12X12(CH, TAN, BLUE)BOX  
12"x12"x2.5" stackable foam (box of 64)  
Mfr. List \$177.28 **ONLY \$163.00**



**SONEX SOUND TREATMENT**

SONEXclassic sound treatment features a modified anechoic wedge design for cost-effective, yet impressive sound control. Made from Class 1 fire-rated wiltec foam, these 2' x 4' panels are fiber-free and available in 2" or 3" thickness. SONEXclassic panels come impregnated with a charcoal dye (colortec) which provides consistent color throughout the panel, from top surface to back. Available colors are painted charcoal, beige, brown, blue or light grey. Please call with your requirements.



**BROADCAST TOOLS TIME SYNC II**

The Time Sync provides three separate GPS time referenced relay outputs and one serial port. The first relay pulses once every 15 minutes. These times are programmed for 13:00, 28:00, 43:00 and 58:00. The second relay pulses at the "Top of the Hour" (00:00). The final output is an open collector with a 100 ms pulse every second. The 4800-baud, RS-232 serial port provides UTC time in HH:MM:SS format.

TIMESYNCLII time sync Mfr. List \$429.00 **ONLY \$408.00**



**BROADCAST TOOLS PSC/PSC II**

With the PSC (Programmable Schedule Controller) store and control up to 160 time and date events. It's equipped with 20 SPST relays and can also send up to 32 serial custom commands. All program events are stored in nonvolatile EEPROM memory. Programming the PSC is simple. Just attach it to a PC running of-the-shelf communications software such as Bitcom, ProCom Plus, Windows Terminal, etc. The PSC features an AC line 60 Hz time base for precise timing, DST correction.

The PSC II stores and controls up to 199 events and can be programmed with hour/minutes/seconds and day/month/year or day of week. Each event can control one of 16 provided SPDT relays. Features: two independent serial ports; GPS receiver time base and more.

- \*PSC programmable schedule controller  
Mfr. List \$419.00 **ONLY \$390.00**
- PSCII programmable schedule controller  
Mfr. List \$869.00 **ONLY \$822.00**

**Timer/Clocks**



**ESE ES192AP/ES185A/ES101**

ESE offers a wide selection of accurate time-keeping systems, including state-of-the-art GPS master clocks and slave systems.

The ES192A is an affordable 12-hour master clock with hours, minutes and seconds displayed in .56" high amber LED numbers. Features: an ESE serial time code output; a 1 pps output; line frequency time base.

The ES185A master clock/time code generator features an 8-channel GPS receiver for maximum accuracy (45 nanoseconds) anywhere in the world. It provides outputs for SMPTE/EBU, IRIG-B, ASCII (RS232C) and ESE time code. Features: .56" display; rugged 1RU chassis; indoor/outdoor antenna with cable; automatic daylight savings correction; timezone offset; four-hour battery back-up and more.

The new ES101 is a lower-cost GPS master clock/time code generator.

ESE also offers a wide variety of digital slave displays ranging from .4" to 4" high with six enclosure types available. Call today for more information on ESA master clock and slave systems.

- \*ES192AP 12-hour master clock  
Mfr. List \$320.00 **ONLY \$308.00**
- \*ES185A GPS receiver/master clock  
Mfr. List \$2,495.00 **ONLY \$2,400.00**
- \*ES101 GPS receiver/master clock  
Mfr. List \$995.00 **ONLY \$957.00**



**ESE LX-5100 SERIES**

The smartest analog clock in the world, the LX5100 series is able to self-set its hands to the correct time as received via any one of three different time code inputs (SMPTE/EBU, ASCII or ESE). Daylight Savings Time correction is automatic. Alternate modes of operation allow the unit to synchronize with an alternating 12- or 24-volt impulse signal, or to act as a stand-alone clock. Sweep or step mode and time zone offset are user-set via rear panel DIP switches. Choose from dial faces of 5", 12" or 16" in diameter. Options: rack mount versions, lighted dial with brightness control and "UL" operation.

- \*LX5105 5" self-setting analog clock  
Mfr. List \$575.00 **ONLY \$553.00**
- \*LX5112 12" self-setting analog clock  
Mfr. List \$575.00 **ONLY \$553.00**
- \*LX5116 16" self-setting analog clock  
Mfr. List \$675.00 **ONLY \$650.00**

\* Non-inventory item subject to return restrictions.

**Weather Instruments**



**ESE**  
**ESS20/LX520**      **ESE ESS20**

The ESS20 is a 4-digit, 60 minute timer with .56" amber LED displays. Three front panel buttons (Start, Stop and Reset) are used to control the unit. The timer can also be remotely operated by a rear panel connector.

The LX520 is a sleeker model in rugged casing.

\*ESS20 60-minute timer Mfr. List \$185.00 **ONLY \$178.00**

\*LX520 60-minute timer Mfr. List \$285.00 **ONLY \$275.00**



**RADIO SYSTEMS**  
**CT-6 TIMING SYSTEMS**

CT-6 clock/timers offer a front panel mode switch to select on-the-fly between clock or timer (of course, the other mode keeps running). CT-6 timing systems can also be synchronized with an optional master driver board (which fits into desktop or large models). All connectors are already in place on the clocks for easy connection to a master unit. Even CT-6 analog clocks can be added as slave displays. Call today and let BSW set your station up with an entire Radio Systems master/slave clock system.

CT6THIN and CT6DSK feature .56" high digits and are 7" wide x 2.5" tall. CT6LARGE features 2.3" high digits and is 15" wide x 5.25" tall.

\*CT6THIN thin clock/timer  
Mfr. List \$135.00 **ONLY \$131.00**

\*CT6DSK desktop clock/timer  
Mfr. List \$175.00 **ONLY \$169.00**

\*CT6LARGE large clock/timer  
Mfr. List \$395.00 **ONLY \$334.00**

Seth Thomas 710



Seth Thomas 709

Seth Thomas 2636

**SETH THOMAS**  
**CLOCKS**

These popular analog wall clocks are easy to read and feature quartz accuracy and second sweep hands. Battery versions run for over a year on a single "AA" battery.

709 14" AC-powered clock  
Mfr. List \$28.00 **ONLY \$23.00**

710 14" battery-powered clock  
Mfr. List \$38.00 **ONLY \$32.00**

2636 14" battery-powered clock  
Mfr. List \$38.00 **ONLY \$32.00**

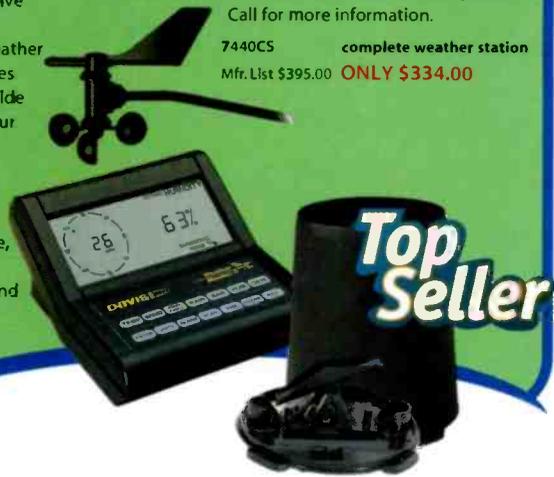
\* Non-inventory item subject to return restrictions.

**DAVIS**  
**WEATHER MONITOR II**

The Davis Weather Monitor II is a cost-effective weather station that allows you to monitor weather conditions at the push of a button. Weather Monitor II gives you the most requested features of a sophisticated weather station such as outside temperature with high/low temp., 12- or 24-hour clock with date, wind direction, wind speed, wind chill and barometric pressure with memory. The rain collector measures daily and accumulated rainfall. The 7440CS system comes complete with anemometer, 40' of cable, rain collector, external temp. sensor w/25' of cable, junction box w/8' of cable, AC adaptor and instructions. WeatherLink software option allows you to process and store data through your PC or MAC.

Wireless weather station options are now available. These can transmit from 30 to 120 meters and run on lithium batteries or solar power. Call for more information.

7440CS complete weather station  
Mfr. List \$395.00 **ONLY \$334.00**



**Top Seller**



**CONEX**  
**JDB1**

The Conex Jumbo Digital Barometer shows the barometric pressure at a glance. Its large display allows it to be easily visible from across the room. Features: trend indicator shows how fast pressure is rising or falling; reads in inches of mercury or millibars; 9-volt alkaline battery runs over a year.

JDB1 digital barometer  
Mfr. List \$189.00 **ONLY \$152.00**



**RODCO**  
**COMPUTEMP 5 PLUS**

The Computemp 5 Plus accurately monitors outdoor and indoor temperatures and time of day. Features: temperature alarm alerts to any predetermined setting; week-long memory of daily high and low temperatures and the exact time of occurrence; continually alternating LED display; battery back-up memory; removable temperature sensors; optional rotary switch for monitoring up to nine locations; 30' outdoor cable standard (additional lengths available).

COMPUTEMP5 temperature/time instrument  
Mfr. List \$100.00 **ONLY \$82.00**



**CONEX**  
**WJ10**

WeatherJack is a simple, battery-operated barometer that connects to your PC via a RS-232 port. Now you can easily view pressure and outside temperature graphs and trends on your desktop. It's an excellent tool for your station's weather updates and records up to 5 days of data even while your PC is off.

WJ10 barometric pressure/temperature instrument  
Mfr. List \$129.00 **ONLY \$118.00**



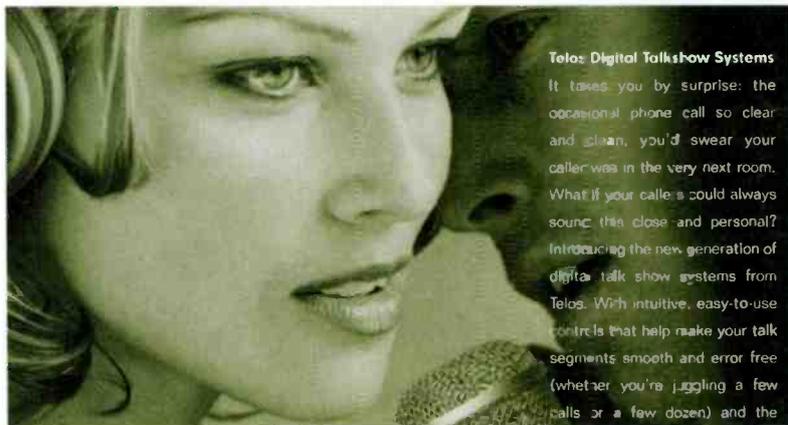
**TELTEK**  
**INFORMERII**

For accurate temperature reporting, use the InformerII. The LCD display operates on one "AA" battery (replace yearly). It records high and low temperatures in memory, is very accurate and works in high RF fields. Includes 50 feet of cable for outside probe (additional lengths available).

INFORMERII temperature sensor  
Mfr. List \$59.00 **ONLY \$54.00**

## Telephone Systems

### Talk radio is suddenly intimate



#### Telos Digital Talkshow Systems

It takes you by surprise: the occasional phone call so clear and clean, you'd swear your caller was in the very next room. What if your callers could always sound this close and personal? Introducing the new generation of digital talk show systems from Telos. With intuitive, easy-to-use controls that help make your talk segments smooth and error free (whether you're juggling a few calls or a few dozen) and the latest advances in digital phone hybrids from the company that invented them. Never have your callers sounded so consistently loud and crystal clear - it's the next best thing to having them there. Don't just talk to your audience... get intimate.

Telos Systems. Connected.

*Telos*  
www.telos-systems.com



#### Telos TWOx12™ Integrated Talkshow System

Using POTS or ISDN lines, the TWOx12 handles up to 12 callers on two built-in digital hybrids. The intuitive phone controller tames even the wildest talk shows.



#### GENTNER TS612

The popular Gentner TS612 multi-line telephone system makes it easy to manage call-in broadcast programming. The TS612 contains two digital hybrids that provide a high-quality interface to six or twelve telephone lines. The dual hybrids allow the TS612 to operate as a single-studio telephone system able to conference up to four callers simultaneously or as a two-studio system able to conference two callers to each studio. The TS612 supports a dedicated "phone-like" call-screening control surface. An off-air screener takes incoming calls and places them in a screened-hold queue. The on-air talent or producer presses the NEXT button on the main control surface and the call is immediately "on-the-air". The integrated mix-minus provides superior audio quality and simple installation. Automatic gain control (AGC) provides consistent audio levels on all calls. **Features:** Split-Caller mode brings the two hybrid outputs to the audio console independently; Split-Hybrid mode brings the two hybrid outputs to the console independently and returns your program mix to the TS612 on two separate channels; Previous-Hold places calls on hold automatically when you select another line; Two-Button Hold allows you to place a single call on hold when two or more lines are conferenced together; Two-Button Off allows you to disconnect any line by pressing the Off button; 6 or 12 lines (also expandable to 12); auto mix-minus; RS-232 control (Enhanced); drop-in console panels; AUX I/O control (Enhanced); Options: on-air screening software.

TS612-6	6-line telephone system	Mfr. List \$3,149.00	<b>ONLY \$2,964.00</b>
TS612-12	12-line telephone system	Mfr. List \$4,195.00	<b>ONLY \$3,949.00</b>
910003200	extra control surface for TS-612	Mfr. List \$489.00	<b>ONLY \$461.00</b>



#### TELOS ONE-X-SIX

The ONE-x-Six has all of the telephone interface equipment needed for talk show programming. A single rack mount unit houses both a Telos ONE digital hybrid and a six-line, broadcast phone system which includes all of the most popular features you expect in a on-air system. For system control, the ONE-x-Six is packaged with a desktop Switch Console (sold separately). The ONE-x-Six is very easy to install - all six phone lines are connected using standard RJ-11C plugs and all audio connections are XLR. Special function buttons on the Switch Console are used to automatically select the next caller, to put callers on the air or to conference, to control external recorders and delays, and to access several other unique features. A standard telephone set may be used for call screening. Call for more information today.

235	6-line Telos One-x-Six telephone system	<b>CALL FOR PRICE</b>
310	control surface for Telos 235	<b>CALL FOR PRICE</b>
Mfr. List \$590.00		

## Telephone Systems



### TELOS TWOX12

Wouldn't it be great to have a talk show system that connects directly with digital lines – without all the hassle of analog conversion? The solution is the TWOX12 Talk Show System from Telos. This 12-line telephone system uses two digital hybrids to bring ISDN clarity right into the studio, and if you don't yet have digital service, you can use your existing POTS lines and upgrade for ISDN later. Initially, you purchase either a POTS or ISDN system. Then if you would like to add the other capability simply purchase an optional add-on module. Each system uses a 12-line telephone control surface (TWOX12DD sold separately). Features: two high-performance digital telephone hybrids for high-quality conferencing between callers – no need for any external equipment; AGC/limiting functions plus three-band dynamic EQ; studio-grade 20-bit A/D conversion; unmatched send/receive separation using advanced Telos Adaptive Cancellation technology; simultaneous baseband analog and AES/EBU outputs; high-precision sample rate conversion for send-to-caller input; caller ID support; adjustable caller ducking; built-in Ethernet connection for remote control.

TWOX12POTS	12-line POTS digital telephone system
Mfr. List \$4,180.00	<b>CALL FOR PRICE</b>
TWOX12ISDN	12-line ISDN digital telephone system
Mfr. List \$4,980.00	<b>CALL FOR PRICE</b>
TWOX12POTSCARD	POTS I/O card for Telos Twox12
Mfr. List \$280.00	<b>CALL FOR PRICE</b>
TWOX12ISDNCARD	ISDN I/O card for Telos Twox12
Mfr. List \$480.00	<b>CALL FOR PRICE</b>
TWOX12DD	control surface for Telos Twox12
Mfr. List \$1,180.00	<b>CALL FOR PRICE</b>



### GENTNER TELESWITCH

With TeleSwitch, up to 5 lines can be directly connected, placed on hold, and routed to a hybrid or telephone set. You can conference and even record callers with the press of a button. TeleSwitch will work with most business phone systems. Installation and operation is as simple as using a multi-line telephone. Control panel lights indicate whether the line is ringing, in use, on hold or available. It uses standard RJ11C telephone connectors.

TELESWITCH	multi-line telephone interface
Mfr. List \$1,045.00	<b>ONLY \$886.00</b>

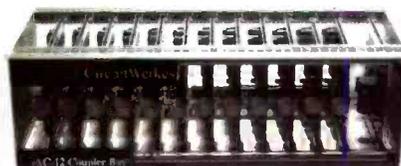


### INOVONICS PBX

The PBX allows as many as 7 devices to share a single line for both incoming and outgoing calls. Features: up to 7 devices per unit 2 or more PBXs can be daisy-chained to accommodate additional devices if needed; incoming calls are selectively routed to the proper extension with DTMF touch-tone commands; priority channel gains immediate access to the line (useful for alarms and signal problem notifications); easy installation.

PBX000	telephone line switch
Mfr. List \$420	<b>ONLY \$376.00</b>

## Hybrids/Couplers



### CIRCUITWERKES AC-12

Circuitwerkes AC-12 fits up to a dozen affordable, full-featured auto-couplers in a 3 rack space (5 1/4") unit. It offers two balanced bridging input, switchable busses for audio distribution. Each coupler card has an individual 600 ohm bi-directional audio connection with level trim for special feeds. Cards can be removed or installed while unit is powered without affecting the other cards. Features: LED indicators for incoming ring, on-line, clipping and power; strappable input attenuator which accepts a wide range of input signals; individual relay isolated, user-selected, momentary or latching dry contacts upon connection; automatic signal limiting. Optional CP-1 call progress decoder available for PBXs and installations not providing normal end-of-call hang-up signals.

AC12	auto coupler chassis
Mfr. List \$349.00	<b>ONLY \$323.00</b>
AC1B	coupler card for Circuitwerkes AC12
Mfr. List \$175.00	<b>ONLY \$152.00</b>
CP1	call progress decoder for AC12
Mfr. List \$100.00	<b>ONLY \$93.00</b>

### CIRCUITWERKES HC-3

The HC-3 automatically answers your phone line on a programmable number of rings. It features a simple hybrid circuit that separates incoming and outgoing telephone audio, bridging balanced audio input with a send level control and a low impedance, balanced output. The HC-3's features make it ideal for a variety of telephone tasks such as listen lines, concert lines and remote broadcasting. Dry relay contacts close at pickup.

HC3	auto answer telephone coupler
Mfr. List \$249.00	<b>ONLY \$191.00</b>

## Hybrids/Couplers



### COMREX TCB-1/TCB-2

TCB-1 broadcast coupler sends and receives program material via the switched telephone network. This unit requires no external power and connections are via standard modular plugs. The TCB-1 contains an FCC-registered coupler which provides isolation from hazardous voltages and currents and includes an active circuit to hold the telephone line. Includes 1/4" jack for line level input.

Built specifically for broadcast use, the TCB-2 auto-answer coupler is perfect for listen-line applications. Just plug in the standard connectors, attach the power supply and you're ready to go. Coupler answers on the first ring and disconnects when calling party hangs up.

TCB1A	telephone coupler
Mfr. List \$150.00	<b>ONLY \$141.00</b>
TCB2A	auto answer telephone coupler
Mfr. List \$250.00	<b>ONLY \$234.00</b>



### COMREX MIX-MINUS BRIDGE

While mixing remote audio sources to program can be easily done on a studio console, it can be very difficult to manage the audio fed back to each remote site. The MIX-MINUS Bridge makes it easy to handle this process by creating up to 5 separate mix-minus feeds (a sum of all program audio except for the audio coming from that device). These feeds are necessary because hosts at remote sites cannot tolerate the time delay associated with modern audio processing. The MIX-MINUS Bridge sends a backfeed to all devices from the studio's audition bus. Inputs are separately selectable, levels are individually controllable, and an IFB feed is available to each source for producer cues.

MIXMINUSBRIDGE	mix-minus bridge
Mfr. List \$1,200.00	<b>ONLY \$1,123.00</b>

### COMREX LXT/R

This basic system restores the low end on telephone transmissions, offering a substantial improvement for telephone remotes. LXT/R combines encoding/decoding functions and a telephone coupler in one unit and can be set up to send or receive with a flip of a front panel switch. A high frequency enhancement circuit has been added to the encoder for improved audio quality. Compatible with all Comrex One Line Systems. An LXT/R is required on both send and receive ends of the telephone line.

LXTR	single line frequency extender
Mfr. List \$850.00	<b>ONLY \$796.00</b>

**Hybrids/Couplers**

**EXCALIBUR  
HC-1/HA-1**

The HC-1 gives you the simplest, quickest, most convenient way to connect audio to a telephone. The HC-1 connects in series with the handset of any telephone using modular connectors. External audio is connected via 1/4" connectors on back. The unit is passive, so no power is required. Simply press the front panel on-off button and external audio in and out are connected to your telephone.

The HA-1 hybrid adaptor allows you to use your favorite broadcast hybrid with almost any telephone...old, new, single or multiple line, etc. Since the HA-1 hooks up through your telephone instrument's handset connector, no connection to the telephone line is needed.



HC-1	telephone coupler	Mfr. List \$99.00	<b>ONLY \$83.00</b>
HA-1	telephone hybrid adapter	Mfr. List \$99.00	<b>ONLY \$88.00</b>



**GENTNER  
DH30/DH20/DH22/SPH10**

Gentner's top-of-the-line DH30 digital hybrid provides the highest quality audio interface between your telephone line and audio equipment. With its 24-bit digital signal processing, it's an excellent hybrid for use with your digital or analog console. **Features:** 3 remote-accessible presets; auto mix-minus; adjustable compressor and expander; acoustic echo cancellation; 3-band digital EQ; balanced analog XLR I/O; balanced digital AES/EBU I/O.

Gentner's analog and digital telephone hybrids are reliable and offer excellent audio quality. Choose between the SPH10 analog hybrid and two digital hybrids, the DH20 single and DH22 dual, each with 16-bit digital signal processing. **Features:** built-in monitor amp allows monitoring of calls without headset; balanced XLR inputs and outputs; SPH10 auto filtering and equalization makes callers sound great; DH20/DH22 with auto mix-minus, selectable AGC & caller ducking.

DH30	digital telephone hybrid	Mfr. List \$1,795.00	<b>ONLY \$1,690.00</b>
DH20	digital telephone hybrid	Mfr. List \$995.00	<b>ONLY \$937.00</b>
DH22	dual digital telephone hybrid	Mfr. List \$1,595.00	<b>ONLY \$1,502.00</b>
SPH10	analog telephone hybrid	Mfr. List \$499.00	<b>ONLY \$447.00</b>

**HENRY ENGINEERING  
DIGISTORII/AUDIO ONLINE**

DigiStor II is a digital multi-message storage system suited for telephone "information lines"; (e.g., concert, ski report, scores, etc.) DigiStor II will store up to 8 minutes of monoaural audio with a bandwidth of 6.5 kHz for playback via a regular telephone line. Up to 8 messages are stored in digital flash memory with no battery backup needed. Recording and playback is via local or remote control. It records from either a mic or line level source.

Audio Online is Henry Engineering's fully automated "listener information line" system providing concert information, weather/ski/surf reports, school closings and more. Audio Online is caller interactive. It's fully automatic and runs on your PC computer completely unattended. Messages are recorded on the computer's hard drive. An 80 MB drive will store over 2 hours of messages. Up to 16 phone lines can be answered simultaneously with hundreds of messages available to callers (order a 2-, 4-, 8- or 16-line systems).

*DIGISTORII	information line message recorder	Mfr. List \$795.00	<b>ONLY \$770.00</b>
*ONLINE2	2-line automated information system	Mfr. List \$995.00	<b>ONLY \$962.00</b>
*ONLINE4	4-line automated information system	Mfr. List \$1,595.00	<b>ONLY \$1,539.00</b>
*ONLINE8	8-line automated information system	Mfr. List \$2,695.00	<b>ONLY \$2,597.00</b>
*ONLINE16	16-line automated information system	Mfr. List \$4,895.00	<b>ONLY \$4,712.00</b>



**GENTNER  
TELEHYBRID**

TeleHybrid turns your existing phone system into a broadcast-ready telephone system. TeleHybrid installs easily to any phone set (analog, digital, single, or multiple line) as long as the handset is detachable with a modular plug. Once connected to your studio phone, TeleHybrid will provide high quality digital nulling for full duplex audio without echo or feedback. Operation is simple: answer each call with the handset as you normally would. When you're ready to put the call on the air, just set the handset down on TeleHybrid's pressure sensitive keypad.



TELEHYBRID	digital telephone hybrid	Mfr. List \$749.00	<b>ONLY \$705.00</b>
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**GENTNER  
HYBRID COUPLER/AUTO COUPLER**

Hybrid Coupler is a low-cost telephone coupler that provides both Send and Caller capabilities. It turns the two-wire telephone circuit into a four-wire system.

If you're looking for an automatic answering and disconnect hybrid coupler, the Auto Coupler is just what you need. It gives you both Send and Caller capabilities.



HC	telephone coupler	Mfr. List \$199.00	<b>ONLY \$188.00</b>
AUTOCOUPLER	auto answer telephone coupler	Mfr. List \$349.00	<b>ONLY \$329.00</b>



**JK AUDIO  
INNKEEPER SERIES**

The JK Audio Innkeeper 1X digital hybrid gets high-quality audio in and out of the telephone for talk radio. It connects audio signals to a standard analog telephone line without the variations in quality found with traditional analog hybrids. It's especially good at preventing transmit/receiver crosstalk. The Innkeeper 1X uses a 16-bit digital signal processor to continuously monitor the phone line and audio signals to deliver better separation. The dual-convergence algorithm achieves superb trans-hybrid loss, typically exceeding 50 dB. **Features:** AGC, caller ducking and 1 kHz tone generator; 16-bit DSP technology; proprietary auto null algorithm; auto answer/disconnect; headphone jack; monitor speaker terminals; Voice Presence Compensation for richer caller audio; balanced XLR mic/line input; balanced XLR caller output; balanced XLR user defined output. Innkeeper 1XR is a rack mount version. **Options:** Guest Module 1 remote control keypad.

The original Innkeeper 1 and Innkeeper 1R do not offer the new AGC, caller ducking and tone generator features.

*INNKEEPER1X	desktop digital telephone hybrid	Mfr. List \$875.00	<b>ONLY \$73.00</b>
*INNKEEPER1RX	rack mountable digital telephone hybrid	Mfr. List \$950.00	<b>ONLY \$839.00</b>
*INNKEEPER1	desktop digital telephone hybrid	Mfr. List \$750.00	<b>ONLY \$662.00</b>
*INNKEEPER1R	rack mountable digital telephone hybrid	Mfr. List \$825.00	<b>ONLY \$728.00</b>
*GUESTMODULE1	remote control keypad for Innkeeper	Mfr. List \$165.00	<b>ONLY \$164.00</b>

\* Non-inventory item subject to return restrictions.

# Great Sounding

## Telephone Audio



### Six-Line Telephone System

The TS612-6 six-line telephone system is an excellent choice for broadcast talk shows. A basic TS612 system consists of a rack-mounted control system, two Gentner digital superhybrids, I/Os for six telephone lines and a tabletop control surface.

**Features include:** auto mix-minus; telephone line selection and conference buttons; Split-Caller and Split-Hybrid modes; a handset for talking with callers off-line, remote control via RS232; expandable to 12 lines and up to 3 control surfaces.

Gentner TS612-6 List \$3,149.00 **Only \$2,964.00**  
Gentner TS612-12 (12-line system) List \$4,195.00 **Only \$3,949.00**

### 24-bit Digital Telephone Hybrid

Gentner's digital hybrid provides the highest quality audio interface between your telephone line and audio equipment. With its 24-bit digital signal processing, it's an excellent hybrid for use with your digital or analog console.

**Features include:** three remote-accessible presets; auto mix-minus, adjustable compressor and expander; acoustic echo cancellation; 3-band digital EQ; balanced analog XLR I/O; balanced digital AES/EBU I/O.

Gentner DH30 List \$1,795.00 **Only \$1,690.00**



### Quality Telephone Audio Hybrids

Interfacing your audio equipment to a telephone line has never been easier and more affordable. Gentner's analog and digital telephone hybrids are reliable and offer excellent audio quality. Choose between the SPH10 analog hybrid and two digital hybrids, the DH20 single and DH22 dual, each with 16-bit digital signal processing.

**Features include:** Built-in monitor amp allows monitoring of calls without headset; Balanced XLR inputs and outputs; SPH10 auto filtering and equalization makes callers sound great DH20/DH22 with auto mix-minus, selectable AGC & caller cucking.

Gentner SPH10 (Analog Hybrid) List \$499.00 **Only \$447.00**  
Gentner DH20 (Digital Hybrid) List \$995.00 **Only \$937.00**  
Gentner DH22 (Dual Digital Hybrid) List \$1,595.00 **Only \$1,502.00**



**To Order Call BSW**  
**1 • 800 • 426 • 8434**

Hybrids/Couplers



**HENRY ENGINEERING**  
**MIXMINUS PLUS**

MixMinus Plus is a differential summing amplifier designed to add a Mix-Minus output to a broadcast audio console. This output is typically used to feed the send input of a telephone hybrid device. MixMinus Plus subtracts the hybrid receive signal from the program output, creating a program mix, minus the receive audio. The null adjustment will provide 40 dB rejection.

MIXMINUSPLUS telephone mix-minus Mfr. List \$195.00  
**ONLY \$163.00**



**JK AUDIO**  
**THAT-1/THAT-2**

Connect THAT-1 or THAT-2 between your telephone and handset for quick access to audio in and out of the telephone. They work with analog, digital, PBX and ISDN telephones. THAT-1 features RCA I/Os.

THAT-2 adds XLR I/Os and a handset type selector switch.

THAT1 telephone handset audio tap w/ RCA  
Mfr. List \$150.00 **ONLY \$133.00**

THAT2 telephone handset audio tap w/ XLR  
Mfr. List \$225.00 **ONLY \$199.00**



**RADIX**  
**TLM500**

This portable, battery powered mini-console can turn any modular telephone into a remote broadcast studio link or telephone interview control center. Simply plug the telephone handset cord into the TLM along with a studio quality microphone and headphones. The telephone is dialed normally and incoming calls can be answered. Features: mic and line inputs; low battery indicator; peak reading LED and headphone amplifier. AC adaptor available.

TLM500 telephone line mixer  
Mfr. List \$229.00 **ONLY \$202.00**



**RDL**  
**ST-TC1**

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems. The ST-TC1 is a telephone system coupler. It is intended to be connected to an on-site telephone switching unit KSU. Requires 24-volt power supply (PS24A sold separately).

STTC1 telephone coupler  
Mfr. List \$99.00 **ONLY \$81.00**

PS24A power supply for RDL Stick-On™ series  
Mfr. List \$18.00 **ONLY \$15.00**

**SOUND AMERICA**  
**TAC/TAC+/TELEWORD**



TAC and TAC+ are inserted between the handset and handset jack on the telephone. TAC provides a switch to match input levels and also a mute switch for the handset mic. TAC+ adds a momentary mic mute (cough) and selector switches for different input attenuation and impedance ranges.

Teleword is a standard telephone with a built-in audio coupler and an amplified electret condenser mic.

TAC	telephone coupler	Mfr. List \$99.00	<b>ONLY \$96.00</b>
TAC+	telephone coupler interface	Mfr. List \$110.00	<b>ONLY \$107.00</b>
TELEWORD	telephone coupler	Mfr. List \$156.00	<b>ONLY \$151.00</b>



**TELOS**  
**ONE/ONE PLUS ONE**

The Telos ONE is the perfect low-cost solution for any telephone interface application. It automatically adapts to each call and all processing is in the digital domain. Features: sophisticated AGC on input and output; an advanced downward expander on the caller audio; digital processing to reduce feedback when monitoring with open speakers; the inputs are switchable for mic or line level and two outputs are provided.

The Telos ONE plus ONE starts with two independent Telos ONE digital hybrids in a single rack-unit chassis. A unique internal mix-minus matrix cross couples the outputs of the two hybrids. In a dual hybrid application, you need send the Telos ONE plus ONE only a single mix-minus.

120-1	desktop Telos ONE digital telephone hybrid	Mfr. List \$680.00	<b>ONLY \$578.00</b>
125	rack mountable Telos ONE digital telephone hybrid	Mfr. List \$888.00	<b>ONLY \$748.00</b>
150	Telos ONE plus ONE dual digital telephone hybrids	Mfr. List \$1,980.00	<b>ONLY \$1,683.00</b>
801	rack mount kit for Telos 120-1	Mfr. List \$80.00	<b>ONLY \$71.00</b>



**TELOS**  
**100 DELTA**

The advanced digital signal processing in the Telos 100 Delta results in full-duplex, natural sounding conversation on even the most difficult phone lines. Smart digital gain control and equalization offer increased caller intelligibility. The EQ examines the caller audio in three bands and automatically equalizes the high and low bands. Other digital processing components include logarithmic dB dynamics control, context sensitive output AGC, and feedback suppression for greater gain before feedback when monitoring callers through open speakers.

140	rack mountable Telos 100 Delta digital telephone hybrid	Mfr. List \$1,780.00	<b>ONLY \$1,513.00</b>
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**TELOS**  
**TWO**

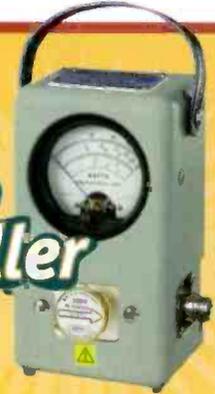
The Telos TWO ISDN hybrid contains two digital hybrids, so you can conference two callers internally, and all mixing is done completely in the digital domain. Digital phone lines (BRI/U or S) let you take advantage of clean, pure digital caller audio, right from the "Central Office" – along with truly independent send and receive paths, lower noise and distortion and faster call setup. Built-in Ethernet connectivity makes remote control and software upgrades. AES/EBU and analog outputs give you maximum flexibility. Call for more information today.

TWO	rack mountable ISDN digital telephone hybrid	Mfr. List \$2,980.00	<b>ONLY \$2,533.00</b>
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\* Non-inventory item subject to return restrictions.

Test Equipment

**Top Seller**



**BIRD 43**  
RF watt meter  
Mfr. List \$276.00 **ONLY \$267.00**

The Bird 43 Directional Wattmeter accurately measures forward or reflected power in coaxial transmission lines under any load condition. Each model 43 consists of a line section, "QC" (Quick Change) connectors and an indication meter housed in a rugged, corrosion-resistant aluminum case. Plug-in elements, purchased separately, determine the power rating and the frequency range. Elements can be purchased at any time and replaced in the field. Call for pricing on the elements for your application.



**DORROUGH 1200**  
stereo signal test set  
Mfr. List \$1,650.00 **ONLY \$1,572.00**

With the 1200 you can take stereo measurements of level, balance, cross-talk and signal-to-noise over the entire dynamic range of your audio system from noise floor to clipping. The set includes a pair of Input amplifiers, a 30 dB step precision attenuator, two "B" scale VU meters (measured in 1 dB increments over a 40 dB range) and two buffered monitor outputs.



**GOLDLINE GL1K**  
microphone level input tester  
Mfr. List \$39.95 **ONLY \$34.00**

The GL1K is a microphone input tester consisting of tone generation and phantom power detector built into a standard 3-pln XLR male connector. When inserted into an input connector, the LED indicator will light showing that there is a phantom power voltage present. If a voltage is present, a 1 kHz tone will be sent into the mic input.



**GOLDLINE ASA10B/PN2**  
audio spectrum analyzer  
Mfr. List \$319.00 **ONLY \$271.00**

ASA10B is a professional-quality, 10-octave analyzer covering a wide frequency range, and featuring a built-in mic. Features: IEC A or C weighting; freeze display function; battery/external power; selectable decay function.

**PN2**  
pink noise generator  
Mfr. List \$123.75 **ONLY \$106.00**

PN2 is a battery-powered continuous pink noise generator.



**CONEX TONEJACK**  
audio frequency generator  
Mfr. List \$229.00 **ONLY \$221.00**

The Conex RX11 TONEJACK is a very compact audio frequency generator providing sine and square-wave signals with very accurate frequencies from 1 Hz to 29,999 Hz. It's useful in testing the response of systems, filters, tone sensors, etc. Log sweep from 50 Hz to 20 kHz with 50 steps. Compact 3" x 5" package.




**EBTECH SWIZZ ARMY**  
multi-function cable tester  
Mfr. List \$150.00 **ONLY \$120.00**

With a comprehensive connection set that includes XLR, 1/4", RCA, 1/8", TT and MIDI connectors, the Swizz Army can be used to tell the exact wiring of any cable or adaptor. The device clearly shows continuity, opens and shorts, even intermittent shorts! It also features: test tone generation, phantom power detect and grounded XLR shield detect. Runs on 2 "AA" batteries.



**GOLDLINE TS1/TS2**  
audio test set  
Mfr. List \$469.00 **ONLY \$399.00**

The TS1 provides a combination of three precision test instruments and is capable of making audio frequency tests with a high degree of accuracy and in less time than conventional instruments. The TS1 combines a low distortion oscillator, a frequency counter, and a dB meter in a compact unit complete with AC power supply.

**TS2**  
audio test set with impedance meter  
Mfr. List \$639.00 **ONLY \$542.00**

The TS2 adds an impedance meter.

**Top Seller**



**FOSTEX TT15**  
test tone oscillator  
Mfr. List \$46.00 **ONLY \$43.00**

TT15 is a battery operated, low distortion sine wave oscillator with five selectable frequencies (40 Hz, 400 Hz, 1 kHz, 10 kHz, and 15 kHz) and three selectable output levels (-30 dB, -10 dB and 0 dB). Useful for spot checking frequency response, calibrating mixers with tape recorders and other level matching jobs. RCA output jack.



**NEUTRIK MR1**  
handheld audio generator  
Mfr. List \$174.00 **ONLY \$165.00**

Neutrik Minirator MR1 provides a comprehensive set of audio signals for performance checking, maintenance and repairs. The battery-powered instrument features low distortion Sine Wave 20 Hz to 20 kHz, white/pink noise, square wave, polarity test and more. Call today.

**DELTA SNG1**  
stereo noise generator  
Mfr. List \$735.00 **ONLY \$727.00**

The SNG1 offers laboratory type features and noise weightings in an affordable and compact package. Features: true balanced front and rear panel outputs; selectable white, pink and USASI noise spectra; generates true stereo noise; low DC offset; close channel tracking (>0.5 dB); input offers unlimited noise envelopes; outputs drive either 600 or 50 ohms.

\* Non-inventory item subject to return restrictions.

Test Equipment/Service Equipment



**POTOMAC  
AA-51A/AG-51**

The AA-51A is a multipurpose, precision audio analyzer designed specifically to enable the measurement of critical audio parameters in terrestrial broadcast transmitter facilities. This instrument measures audio level, total harmonic distortion, intermodulation distortion, frequency response, wow and flutter, stereo signal phasing, left channel/right channel amplitude ratio and frequency. The AA-51A exhibits excellent RF shielding.

The AG51 produces low distortion sine wave signals from 20 Hz to 200 kHz, a 3.15 kHz fixed frequency wow and flutter test signal and an intermodulation test signal of 60 Hz and 7 kHz at a 4:1 ratio. Output signals are simultaneously available at levels of up to +20 dBm at separate left and right output ports. Outputs may be selected for left only, right only, left and right in phase (L+R), or left with right in 180° opposition (L-R). Outputs are balanced (or unbalanced) at a source impedance of 600 ohms (or 150 ohms).

- \*AA51A            audio analyzer  
Mfr. List \$4,450.00    **ONLY \$4,348.00**
- \*AG51            audio generator  
Mfr. List \$4,030.00    **ONLY \$3,938.00**



**TERRASONDE  
ATB1**

One of the most comprehensive portable testers in the world, the Audio Toolbox costs a little more than others, but it offers a complete set of powerful, accurate audio tools. It uses DSP technology and professional-quality analog audio stages, along with a graphical LCD display and balanced I/Os to give audio engineers complete control over audio circuits. Functions include: acoustic analysis tools (sound level meter, real-time analyzer, reverb decay time, energy time graph, polarity test, noise criteria); test functions (signal generator, level meter/frequency counter, signal-to-noise ratio, sweeps, sample scope, distortion meter); session helpers (time code tools, MIDI helper, MIDI transmitter, tempo computer, hum cancellation, instrument tuner); utilities (monitor amplifier, cable tester, power tests). Connectors include balanced XLR and 1/4", unbalanced RCA and MIDI.

- ATB1            multi-function audio tester  
Mfr. List \$999.00    **ONLY \$792.00**



**RDL  
RUOSC4A**

This device features 4 separate oscillators set at 100 Hz, 1 kHz, 7.5 kHz and 15 kHz. Tones sequence through, holding on each for a user-selectable period from 3 to 30 seconds with a silent period between the 15 kHz and 100 Hz tones. A hold button allows the user to manually hold a tone indefinitely until the hold button is pushed again. Continuing to push the hold button selects the next frequency for fully manual operation. Output connections are made via barrier block terminals.

- \*RUOSC4A       sequencing audio oscillator  
Mfr. List \$263.00    **ONLY \$213.00**



**RDL  
OSCILLATORS/NOISE GENERATOR**

Radio Design Labs' Stick-Ons™ are compact, high-quality audio interface devices that can be directly and discreetly mounted on equipment, under counter tops, or combined in rack mount systems. Active units require a 24-volt power supply such as the PS24A (sold separately).

These two handy oscillators provide separate left and right audio signals. Choose between ST-OSC2A (1 kHz and 10 kHz) or ST-OSC2B (100 Hz and 400 Hz).

- STOSC2A       oscillator, 1 kHz and 10 kHz  
Mfr. List \$101.00    **ONLY \$82.00**
- STOSC2B       oscillator, 100 Hz and 400 Hz  
Mfr. List \$101.00    **ONLY \$82.00**
- STNG1          white and pink noise generator  
Mfr. List \$124.00    **ONLY \$101.00**



**ROLLS  
PT102**

The PT102 consists of two battery operated units, a transmitter and receiver. The transmitter creates a pulse that is sent through your audio system. The receiver then picks up the signal at various intervals in the system, and indicates whether or not the system is in or out of phase. The PT102T transmits a positive-going pulse via a speaker, or a 1/4" unbalanced jack. The PT102T speaker is placed near a microphone which may be connected to the PT102R receiver or to your audio system. Plugging into the 1/4" line in jack on the receiver disables the mic.

- PT102           phase testing system  
Mfr. List \$150.00    **ONLY \$108.00**



**WHIRLWIND  
QBOX**

With the Qbox, send a tone or signal over any XLR line. In one battery-powered unit, you have a microphone, a speaker, a test tone generator, outputs for standard headphones, a 1/4" jack for line in and voltage presence LEDs for confirming phantom or intercom power.

- QBOX            audio line tester  
Mfr. List \$200.00    **ONLY \$135.00**



**WHIRLWIND  
TESTER**

Check for shorts and bad connections easily with this Whirlwind cable tester. The Tester accommodates XLR, 1/4" and phono plugs. Easily fits in your tool box. 9-volt battery is required.

- TESTER         cable tester  
Mfr. List \$110.00    **ONLY \$73.00**



**WHIRLWIND  
TESTER2**

The digital circuitry employed in the Whirlwind Tester2 represents the latest technology in cable testers. The Tester2 will completely test any 2 or 3 conductor cable by checking the continuity of every connection at one end of the cable to every connection at the other end. An LED readout will then identify exactly how the cable is wired, immediately ending guesswork with non-standard cables. The Tester2 also generates test tones for confirming the integrity of signal lines, and by using a shorting plug, long cables can be checked when only one end is available.

- TESTER2       cable tester  
Mfr. List \$159.95    **ONLY \$136.00**



**AMERICAN RECORDER  
CO2**

The CO-2 is the world's smallest cleaner for removing dust and particles from all audio equipment. The CO-2 uses a special dispenser with a 12-gram cartridge of high-velocity, pure carbon dioxide gas, having six times the power of regular aerosols. The empty cartridge can be recycled and additional replacement cartridges are economically priced. Order today.

- CO2            CO2 dispenser  
Mfr. List \$20.00    **ONLY \$18.00**

\* Non-inventory item subject to return restrictions.

**Credit Application**



7012 27th Street West  
Tacoma, Washington 98466

Toll-Free Phone (800) 426-8434  
Toll-Free Fax (800) 231-7055  
Worldwide Phone (253) 565-2301  
Worldwide Fax (253) 565-8114  
Website www.bswusa.com

<b>Applicant/Lessee</b> (Important: list name of legal entity)			
Legal Name and Trade Name			Date
Contact Person	Title	Telephone #	
General Manager	President	Fax #	
Nature of Business/Call Letters	# of Years In Business	Type of Business (Circle One) Proprietorship Partnership Corporation Government	
<b>Parent Company</b>			
Name	Corp. Bookkeeper	Telephone #	
Owner's Name	Address	Phone	
<b>Bank References</b>			
Name of Bank/Branch	Telephone #	Acct. # (checking)	
Account Manager	Fax #	Acct. # (savings/money market)	
Name of Bank/Branch	Telephone #	Acct. # (checking)	
Account Manager	Fax #	Acct. # (savings/money market)	
<b>Trade References</b>			
Company Name	City, State	Telephone # Fax #	Account #
Company Name	City, State	Telephone # Fax #	Account #
Company Name	City, State	Telephone # Fax #	Account #

**Conditions of Sale:**

1. All invoices from Broadcast Supply Worldwide will be paid within Net 30 days unless otherwise stated on your invoice.
2. Any discrepancies in billing or problems with defective or damaged equipment must be reported within 48 hours of receipt.
3. All shipments are F.O.B. point of origin unless stated otherwise on your invoice.
4. A finance charge of 18% per year or 1.5% per month will be charged on any unpaid balance that exceeds terms stated on your invoice.
5. All collection agency or attorney fees will be paid by the buyer.
6. Suitability of products for intended use is the sole responsibility of the customer.

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Print Name and Title

Date

\*An authorized signature by a corporate officer constitutes an agreement with Broadcast Supply Worldwide to comply with all the terms stated for condition of sale on an open account credit basis. It also grants permission to verify information on this agreement.



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