BRADLEY BROADCAST SALES
1987

World Radio History

WORTH HEARING.

TELOS 10

DIGITAL TELEPHONE SYSTEM

Phones Sound Great!

A FIRST FOR THE BROADCAST INDUSTRY, THE TELOS 10'S ADVANCED DIGITAL SIGNAL PROCESSING TECHNOLOGY OFFERS SMOOTH, NATURAL TWO-WAY CONVERSATION WITHOUT THE USUAL HYBRID PROBLEMS.

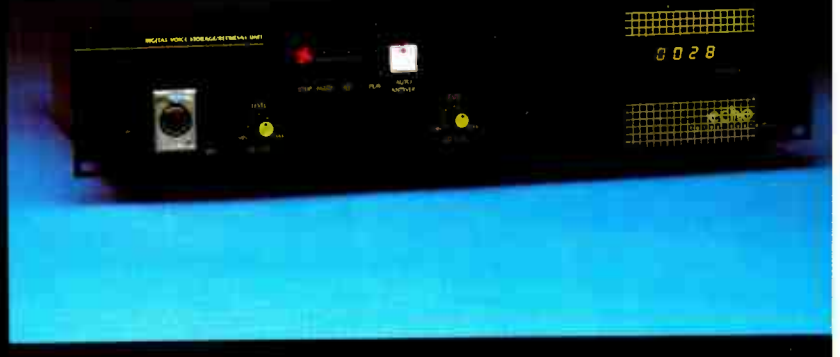
- "Leakage" typically 25 to 30 DB below caller voice level (35 to 40 DB Trans-Hybrid loss). Nulls precisely to each line during a 300 ms mute period.
- Input gated AGC and Filtering.
- Output AGC/Expander and 60/120 HZ/HF reject filters.
- Switching for up to 10 lines when used with standard 1A2 key system.
- Proven and preferred by major market stations and networks.

Catalog Page 19

WORTH SAVING.

ECHO

FINALLY, AT REASONABLE COST, THE TELOS ECHO OFFERS A ONE-BOX, RELIABLE SOLUTION TO THE PROBLEM OF ANSWERING HIGH-VOLUME CALL-IN LINES. THE ECHO WAS DESIGNED SPECIFICALLY FOR CONCERT INFORMATION LINES, WEATHER LINES, MOVIE OR SKI LISTENER LINES, AND OTHER SIMILAR SERVICES. AUDIO IS PLAYED FROM BATTERY-BACKED SOLID-STATE MEMORY FOR HIGH RELIABILITY.



- Four minute message capacity standard.
- Line-answering interface built-in with simple modular cable connection.
- Control works like a cassette recorder for quick assimilation by non-technical operators!
- Mic or line-level input with effective AGC and bar-graph meter.
- Four-digit counter displays elapsed record time or number of calls in auto answer mode.
- Front panel speaker for auditioning messages.
- Simple editing possible.
- Full remote control.

Catalog Page 5

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BRADLEY BROADCAST SALES

8101 CESSNA AVENUE ■ GAITHERSBURG, MARYLAND 20879
TOLL FREE: 800-732-7665 MD & DC: (301) 948-0650

Dear Valued Customer:

Guglielmo Marconi and Thomas Edison never imagined integrated circuits and compact audio discs. As technology continues to progress, Bradley Broadcast will provide you with the products and services to produce higher quality audio, more economically and efficiently.

Thanks to your support, we have recently doubled our warehouse capacity and added personnel to respond to your inquiries and expedite your orders. This 1987 catalog offers our widest selection of products, organized into task-oriented sections.

Our professional sales team, Neil Glassman, Joe Nunemaker, and Paula Charette, are back by the most conscientious support staff and comprehensive inventory in the business. We look forward to hearing from you soon. Discover why each day more professionals turn to Bradley Broadcast... where service and engineering make the difference.

Sincerely,

Art Reed

Art Reed
General Manager

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STUDER A-725 PROFESSIONAL CD PLAYER

Using a CD player in a professional broadcast environment requires a machine which is both rugged enough to withstand rough usage, and functionally designed for operator convenience.

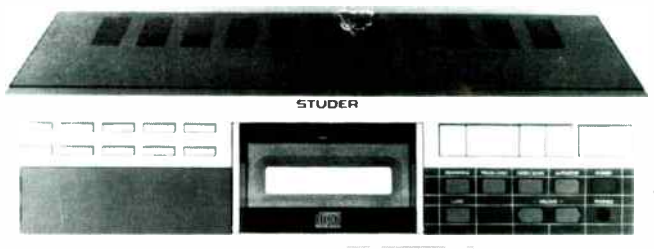
The A-725 meets and surpasses both criteria with metal construction, rack mount configuration, +4dBm balanced outputs, and a unique cueing feature.

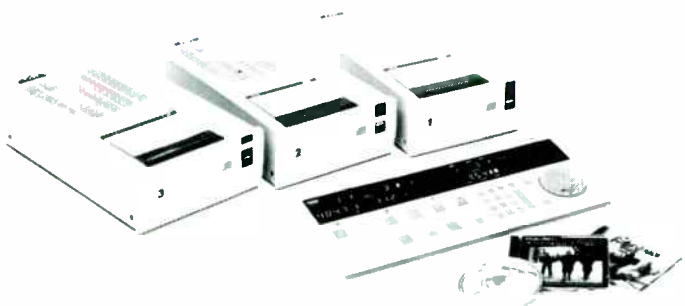
To cue any cut, simply select the cut, press the locate button, and cue forward and back with cueing controls until the beginning of the track is found. The play button is then depressed when desired for an instant, tight audio start. Count up/count down for either track or full disc may be selected.

Two separate D/A converters are employed for full mono compatibility and highest obtainable audio quality.

#60SRA725 . . . . . $1,950.00

Price above is manufacturer's list. Please call Bradley for a current quotations.





PHILIPS LHH 2000 PROFESSIONAL CD SYSTEM

The Philips LHH 2000 provides superior audio performance coupled with an exceptionally precise method of timing compact discs. The system incorporates up to three professional CD Players connected to a microprocessor controlled modular CD Drive Control Unit. Compact and meticulously constructed, the top loading CD Players provide rapid disc access and +6dBm balanced outputs. The Drive Control Unit, incorporating a Command Module for each player, is logically laid out for fast and easy operation.

Selections may be started and stopped anywhere on the disc. The Real Time Left function enables the operator to know the actual time remaining on a particular track, as opposed to the time until start of the next track. The search dial has three modes (one second, thirty seconds or four minutes per rotation) for rapid access and precise cueing. Test Time permits you to "rehearse" your track by playing the first or last few seconds of the selected piece so that precise cueing points can be found. The LHH 2000 also has an automatic mode which enables the CD Players to play sequentially. All of this is complemented by large, anti-glare LED displays.

The LHH 2000 is a sophisticated production tool that can withstand the most rigourous use. Single player systems start at $4,725.00. Contact Bradley Broadcast for more details on this unique system from Philips.

REVOX B-225 CD PLAYER

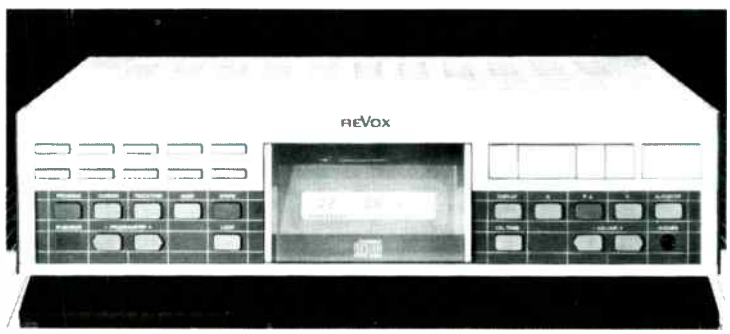
Combining simple, logical operation with superior sound quality, the B-225 features 19 program step capability, adjustable headphone output, calibration tone for setting system levels, and two audio outputs. Its digital oversampling technique eliminates distortion of frequencies above half the sampling rate, without affecting phase relationship and providing excellent sound quality. Start and stop index marks may be placed via keyboard, or while playing, to reproduce selected portions of a disc. A full L-C display shows track, index, and playing time, as well as several status functions.

#60REB225 . . . . . $1,150.00

ACCESSORY:
RACK KIT

#60RE34101 . . . . . $31.50

Prices above are manufacturer's list. Please call Bradley Broadcast Sales for a current quotation.



World Radio History

TECHNICS SL-P1200 CD PLAYER

In the SL-P1200, technical innovations bring you impeccable fidelity balanced with a new comfort in person–machine interface. The SL-P1200 incorporates such Technics developments as the FF1 laser pickup, High Resolution Digital Filter, and Class AA circuitry. Providing a uniquely styled "front-end" the analog-like user interface promotes positive, intuitive control that professionals will appreciate. Structrual features isolate and damp vibrations, while promoting reliable operation in high sound pressure environments.

Dual, high-speed digital-to-audio converters enable the highest phase accuracy. For digital filtering, the SL-P1200 employs a newly developed 96th order FIR double oversampling circuit on an LSI chip. Coupled with a 7th order, high precision analog filter, this comprises the Technics High Resolution Digital Filter configuration. Class AA circuitry and strictly selected components further contribute to excellence. The FF1 Fine Focus Single Beam System enhances laser pickup operation for consistently excellent CD reproduction. Tri-layer base contruction and double insulation block structurally and airborne transmitted vibrations.

The search dial allows the operator to "spin" the disc to the desired point. Forward and backward search dial cueing has tenth of a second precision at two speeds. Slow speeds gives one second of program time per rotation, while fast speed gives 30 seconds per turn. A separate rocker control makes it easy to line up the beat of a cut for rhythmically synchronized song transitions.

In the Auto Cue mode, the SL-P1200 does the work. It will position the pickup at the start of the first note of the track (confirmed by a "standby" indicator), ready to begin play instantly at your command. Other features include ±8% continuously adjustable pitch control, comprehensive track selection and programming facilities, and easy to read multi-function display. A wireless remote control is included with output level attenuator and programmable music scan to let you preview the first few seconds of each song on a disc. Play, stop and pause functions may be controlled via a hardwire rear connector. Other valuable functions are a headphone jack with volume control and subcode output terminal for future applications.

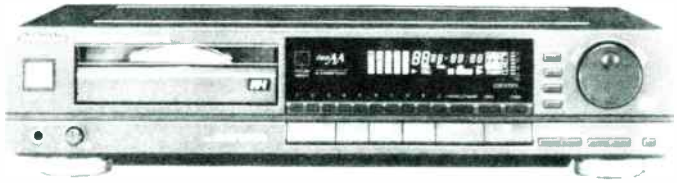
#60TCSLP1200 ..... **Call for Pricing.**

TECHNICS SL-P210 CD PLAYER

The newest generation of CD players from Technics features the advanced FF-1 single beam laser system and high resolution digital filter for the highest compact disc reproduction fidelity. A new high speed linear motor access system achieves a one second or less access time to any point on the disc. An infrared wireless remote control actuates all front panel functions, plus full programming of a 20 selection memory. The remote control even includes a volume control! Large, easy to read FL display indicates track in play, elapsed or remaining time for disc, track, or program being played.

#60TCSLP210 ..... **$245.00**

Compact disc players have taken their place next to disc transcription and magnetic recording equipment in audio facilities around the world. When you require assistance in selecting your CD player, call the professionals at Bradley. We are happy to discuss your needs and an evaluation program is available for qualified users. Service and engineering....the difference at Bradley Broadcast.



TECHNICS SL-P720/SL-P520

Two more winners in the Technics CD line, these units combine the best features of their high-end consumer CD's with the advanced search dial function first introduced on the SL-P1200 professional CD player. Both players incorporate Technics FF1 laser system and Class AA circuitry, plus high resolution digital filter. For full function programing, A-B repeat, skip functions and auto space mode are features of both players.

The SL-P720 also includes auto-pause, high-speed audible search via pushbutton, music scan, and headphone volume control. Both units feature full-function remote with digital attenuator.

SL-P720

#60TCSLP720 ..... **$419.00**

SL-P520

#60TCSLP520 ..... **$355.00**

We accept
VISA, MasterCard, and American Express
for all purchases.

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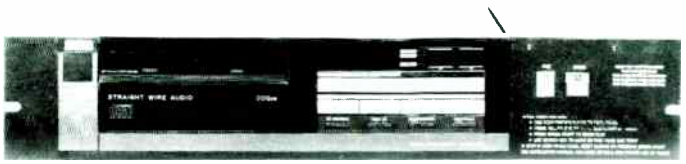


STRAIGHT WIRE AUDIO CD QUE

The CD Que features an accurate cueing system, dual digital-to-analog converters, phase perfect filtering and four times oversampling. The outputs are +4dBm, electronically balanced and rack mount is standard. The CD Que features full hardware remote capabilities. This broadcaster-friendly units combines ease of operation with professional performance.

#60SWCDQUE $895.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

ALSO AVAILABLE:

STRAIGHT WIRE AUDIO SPEEDDEMON

The SpeedDemon uses quartz locked microprocessor control to adjust the speed of the CD Que up or down 10%. There is a digital readout of the percentage offset and this single rack space unit is adaptable for use with other manufacturer's units. Call for a current quotation.

WE CARRY A COMPLETE SELECTION OF CD RACKS.
See Pages 60 AND 63.

TASCAM CD-501 CD PLAYER

The CD-501 is Tascam's first CD player for the professional, and has roots in Teac's award winning consumer models. This rack mount unit has three outputs; one XLR balanced (with rear panel selectable L + R summing), one fixed unbalanced, and one variable unbalanced. It comes with the AQ-51 full function remote control that is capable of controlling one or two units. Additional remote start capabilities are also available. The Tascam 3-beam laser pick-up system is enhanced with dual D/A converters, an advanced oversampling digital filter, and ZD "Zero Distortion" circuitry. Other features inlcude front panel headphone jack and monitor level control, multi-function display, one-touch music skip and search functions, and rear panel sub-code output for future applications. The CD-501 is built to rugged standards that guarantee consistent, reliable performance in non-stop use.

#60TECD501 ..... $1,095.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

DISCWASHER COMPACT DISC CLEANER

The Discwasher Compact Disc Cleaner is engineered for optimum compact disc performance. The computer-aided design of the gear system ensures true radial cleaning of the compact disc, as recommended by compact disc manufacturers. The Discwasher CD-1 cleaning fluid is specially formulated to lift and suspend contaminants as the cleaning pad easily and safely removes debris from the compact disc.

#61DICDC $17.50

ACCESSORIES:

CD-1 CLEANING FLUID REFILL

#61DICD1 ..... $4.00

CD CLEANER REPLACEMENT PADS

#61DICDP $5.00

THE DISC-PATCHER

This uni-directional level and impedance interface is the finest available to connect an audio compact disc player to a professional (600 ohm balanced, ±4dBm) system. True transformer balanced, isolated, and protected outputs provide greater dynamic range (102dB), flatter frequency response (+0, -0.25dB), and lower THD (0.005%, 20 to 20kHz) than the CD player itself! Supplied with convenient Velcro mounting, or select the optional rack mount unit which holds one or two units. The Disc-Patcher is an excellent choice for off-air monitor tuners, ENG cassette machines, and unbalanced console outputs.

#60AIDP100 ..... $199.00

ACCESSORY:

RACK KITS - Hold one or two Disc-patchers

#60AI20273 ..... $22.00

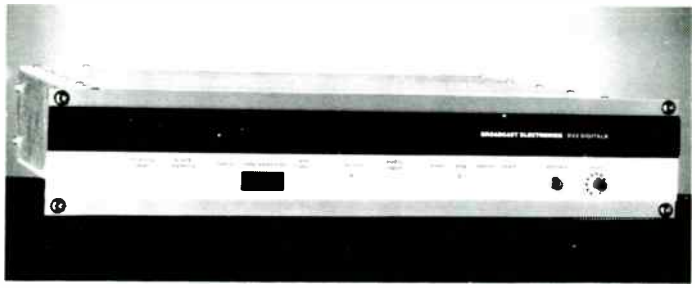
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

THE ECHO

Carts are in use at many stations in an application they were never intended for . . . high volume telephone answering. High operation cost, poor reliability and frustrated callers are too often the result. Once again, Telos Systems, the leader in broadcast telephone technology, has the solution. The ECHO was designed specifically for broadcast telephone applications such as concert, weather, movie or skiing listener-lines. Hardware-based digital audio storage provides up to four minutes of message time, with an internal gell cell to protect memory in the event of power failure. Programming options allow for continuous playback or playing the message one, two or three times. The system provides a control layout similar to any good cassette machine, but unlike other phone answering systems, all functions can be remoted to your production room or newsroom, so that your listener-line messages can be fully produced and professional sounding. In the record mode, input audio levels are automatically adjusted by a smooth AGC system in conjunction with a 10-segment LED bargraph meter, and a four-digit counter displays the number of calls received in the auto-answer mode. An internal monitor amplifier and speaker allow auditioning without the need for an external telephone. Hookup is simple with a standard modular connector for telco, ¼" TRS jack for a line-level source, and a front-panel XLR mic input. This unit can pay for itself in a few short weeks.

#60TSECHO **$1,295.00**



BROADCAST ELECTRONICS DV-2 DIGITALK

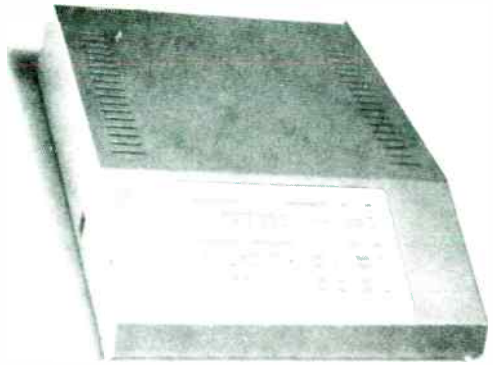
The DV-2 Digitalk is one of the most versatile solid state audio recorders available. There are no moving parts to fail or tape cartridges to break. All recordings are digitally stored in random access memory, allowing up to five minutes and fifteen seconds of total recording time with 50 to 6500Hz frequency response. One long message or several short messages may be stored and accessed at will.

Up to thirty-two individual messages can be recorded and replayed sequentially or individually . Outdated messages can be selectively erased and new messages recorded at any time. The front panel pause control and headphone jack simplify precise editing. Mic or line level inputs are switch selectable and feature automatic gain control. Messages can be recorded directly onto the DV-2, or produced externally and loaded. All front panel functions are fully remotable. A front panel display indicates the message number and time remaining, and an end of message output is provided for signaling external devices.

The ways in which Digitalk can be used are virtually unlimited. Call Bradley to discuss your application.

#60BRDV2 . . . . . **$2,995.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



GRANITE TELCOM DVA-1000

The DVA-1000 is a microprocessor-based, 100% solid state storage system, with no moving parts and no magnetic tape to wear out. In fact, the message can be accessed literally millions of times, with absolutely no loss in quality. The system can be customized to your specific requirements, with one or two phone lines, one or two messages, and maximum message times ranging from 16 seconds to almost 6 minutes. The two-message option can be used to send individual messages to each output line, or to permit separate recordings of a standard message and an associated "Tag". Messages can be recorded from the DVA handset, an unbalanced line source, or any remote telephone with DTMF touchpad. The DVA-1000 displays message time remaining or the number of calls received on its 4-digit LED readout. Operation is quite similar to a tape recorder, including fast-forward and fast-reverse functions.

#60GTDVA1000 . . . . . **$1,250.00**

Price above is manufacturer's list for basic unit providing one message, 64 seconds of message time and handset input. Typical system with two lines, two messages, 256-second total memory, and line input lists for $2,655.00. Contact Bradley Broadcast for further configuration information.

ACCESSORY:

MLA MULTI-LINE ADAPTER - enables your DVA-1000 to answer up to twelve lines. Select play from beginning or barge-in. Call for pricing.

ALSO AVAILABLE:

MODEL DVA-500 - Single line, single message announcer with up to 90 seconds of message time. Price includes unbalanced line input.

#60GTDVA500 . . . . . **$883.00**

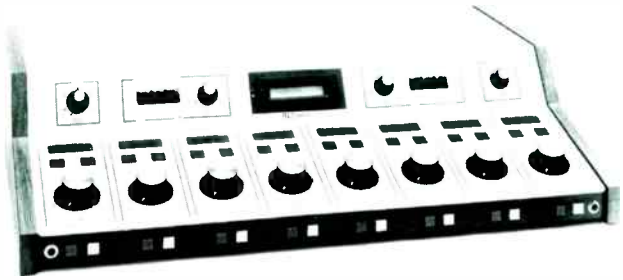
AKAI S900 DIGITAL SAMPLER

Broadcasters can now take advantage of the digital sampling technologies widely used in major recording studios. Bradley Broadcast introduces the AKAI S900 Multiple Point Sampler to enable you to reproduce any sound with digital clarity, then contour, edit, mix, and merge sampled sounds to create unique and complex productions. This 8 voice sampler features 32 sampling points, frequency response up to 16kHz (@ 11.75 seconds sampling time) and a maximum of 63 seconds of sampling time (@ 3kHz bandwidth). The fast 3.5 inch disk drive lets you store or load your sounds quickly and easily. MIDI capability permits control from any number of inexpensive keyboards and an RS232 communications port is provided. While others sit watching the latest digital tools from the sidelines, Bradley and AKAI put you in the middle of the action. Today!

#30AKS900 . . . . . **$2,995.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation. Bradley can provide you with moderately priced keyboards to allow you to take best advantage of your S900.

World Radio History



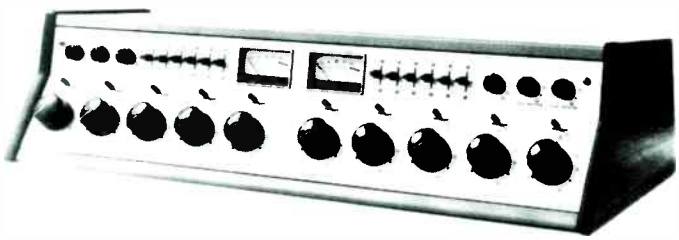
LPB ALPHA SERIES CONSOLES

The Alpha series from LPB draws on experience and expertise gained over two decades and more than two thousand consoles! For the user who prefers straightforward cost effective performance, the Alpha Series is a perfect application of "appropriate technology" at a reasonable cost.

As with previous LPB consoles, reliability and serviceability are paramount design considerations. All switching and gain control is handled with glitch-free DC control...no audio at all on the front panel! Three input preselects with LED tally indicators are are provided for each channel, with muting tally logic and input levels separately DIP programmable for the A and B preselect positions. The entire front panel tilts up for excellent access to the modular circuitry and the screw-type barrier strip interface connections. This single-buss design provides a mono mix and two auxiliary program feeds as standard equipment, along with internal power amplifiers for monitor, cue and headphones. Program, mono mix, and external source are all separately switchable to the monitoring system and the bright fluorescent VU meters. Max out +24dBm, THD under 0.05%, S/N ratio 80dB.

A-6S, 6-CHANNEL
#60LPA6S $2,795.00
A-8S, 8 CHANNEL
#60LPA8S $3,795.00
A-10S, 10-CHANNEL
#60LPA10S $4,795.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

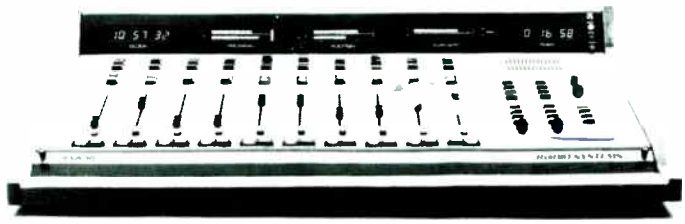


LPB SIGNATURE SERIES-III

The Signature series is by far the most popular LPB console. It combines modern (5530-series) circuitry with classic battleship type construction, and the best RF immunity of any console in its price class. The Series III upgrades, new for '87, include a reduction in THD down to .05%, an increase in dynamic range to 98dB, an increase in separation to 65dB, and a new high-isolation cue amp design. In addition to performance improvements, there have been user-oriented refinements such as LED status indicators on each input channel, switchable metering, and an improved universal headphone amplifier with front-panel jack. The Series III retains the best of Series II, including nearly indestructible roller-cam telephone type key switches and high quality step attenuators as standard equipment. On 8 and 10-channel models, 3-position preselect keys are provided for each fader, with silver contacts rated for 250,000 operations. The 8 and 10-channel models also have two stereo outputs. Muting and tally are programmable for up to three studios. All electronics are on plug-in G-10 fiberglass laminate boards (except the monitor amp power transistors, which are heatsinked to the main chassis). While the traditional design may not look as hi-tech as a recording style console, the layout is much more user friendly, and allows plenty of desk space for copy, carts, and coffee. Mono consoles also available.

S-13 8-MIXER, DUAL STEREO
#60LPS13 ..... $4,995.00

Price above is manufacturer's list, Please call Bradley Broadcast for a current quotation.
Call for pricing on 6 and 10 channel versions.

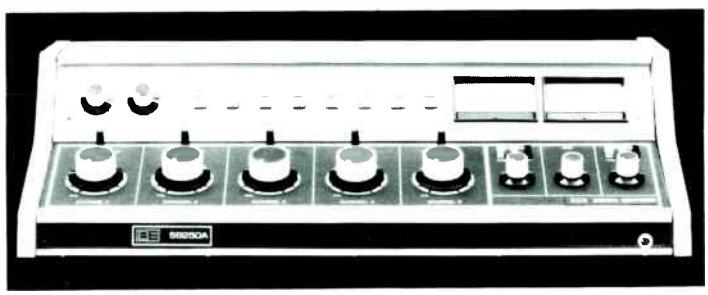


RADIO SYSTEMS ESA-10 CONSOLE

The use of recent advances in electronics enables the ESA-10 to provide superb audio in a console that is flexible, rugged and compatible with the needs of any broadcast operation. Standard features include thirty inputs into ten linear faders, two stereo outputs (each with mono mixdown), time-of day clock, and digital timer. The outstanding three color stereo LED meters can be set for peak or VU response with hold segments for either format. There is no audio in the front panel due to electronically controlled attenuation and switching. The ESA-10 boasts .02% maximum THD, 90dB line level signal-to-noise ratio, a frequency response of ±.1dB from 20 to 20kHz, and the high RF immunity for which Radio Systems products are known. Remote starts, programmable cue circuitry, clean design, and ease of operation make the ESA-10 user friendly. Installation is a breeze due to the barrier strip connections, trim adjustments for each input and output, internal setup meter and oscillator, and nitrogen loaded front panel lifts. Modular electronics eliminate the need for exclusive mic channels and result in ease of maintenance. Radio Systems addressed every detail in designing the ESA-10 as the best console value in its class.

#60RAESA10 ..... $9,950.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



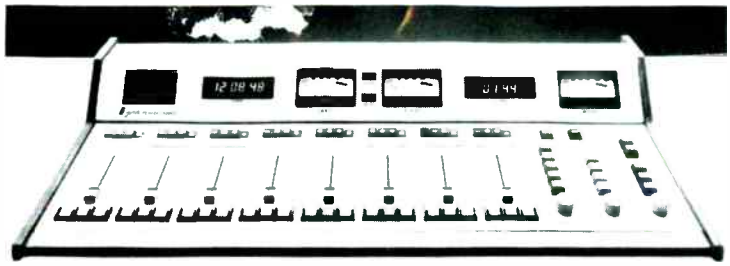
BROADCAST ELECTRONICS CONSOLES

Broadcast Electronics offers two fine lines of rotary pot consoles, now with more functional front panel graphics. The 150A Series uses high reliability, sealed potentiometers and the 250A Series uses maintainable step attenuators. Both feature cue on detent. Modular plug-in electronics provide low distortion and flat response. Each channel is field adjustable for mic and line level, and accepts two inputs. Monitor, headphone, and cue amplifiers ensure full monitoring capability. Front panel graphics are under a laminated overlay for years of durability. Both series are available in 5, 8 and 10 channel models, in mono or stereo. These BE consoles provide economy, extensive operational flexibility, and excellent audio performance. Prices below are for stereo boards. Please call for mono prices and information on accessories.

5-MIXER, 150A SERIES
#60BR5S150 ..... $2,950.00
8-MIXER, 150A SERIES
#60BR8S150 ..... $3,650.00
10-MIXER, 150A SERIES
#60BR10S150 ..... $5,250.00
5-MIXER, 250A SERIES
#60BR5S250 ..... $3,650.00
8-MIXER, 250A SERIES
#60BR8S250 ..... $4,750.00
10-MIXER, 250A SERIES
#60BR10S250 ..... $5,895.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History



LOGITEK PERFECTIONIST CONSOLE

For many of us, the joy of buying and installing a new station console turns to frustration when trying to fit that console into its new studio environment. Here is a console which, through thoughtful design, minimizes the frustration, while also offering superb specifications and outstanding operator convenience. For the engineer, all input/output connections to the console are brought out 6' from the console to telephone punch blocks for quick installation and neater wiring. Built-in distribution amps on both program and audition channels provide the extra outputs you will need for recording devices and other feeds. All 4 inputs on each channel have machine start logic fed through from the mixers. Universal muting and mic/line input assignment provides complete flexibility to meet user preferences. For the console operator, all controls are logically placed, with most often used controls at wrist level. An integral clock with battery backup and separate elapsed time counter share the meter bridge with left, right and mono-sum VU meters. The elapsed timer is programmable to reset from any combination of inputs. 15 watt/channel internal headphone amps feed two jack mounted below-desk to the left and right of the operator. Other important features include one button PGM/AUD swap, separate 5-input headphone and 4-input monitor selector, and mono-sum monitor button for aural phase verification. The excellent value packed into this console is enhanced further by Logitek's five year limited warranty. Available with Penny & Giles rotary pots at the same price

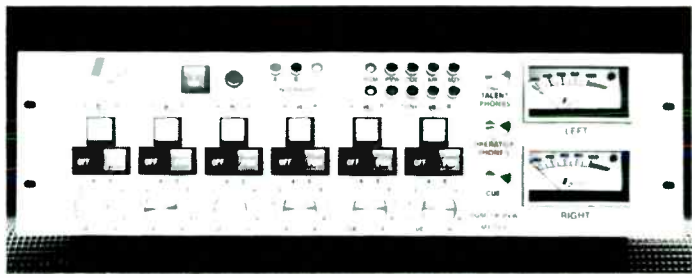
EIGHT CHANNEL PERFECTIONIST CONSOLE

#60ALTPF8L **$8,975.00**

TWELVE CHANNEL PERFECTIONIST (with five VU meters)

#60LTPF12L **$11,575.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



LOGITEK STEREORACK

New for '87, and a logical followup to Logitek's highly popular "Audiorack" console. The Stereorack is a full featured dual buss stereo console in a standard 19-inch rackmount. Each of the six stereo input channels has a two position input preselect, and a pan/balance control concentric with the channel fader. The faders themselves are heavy duty conductive plastic types with a standard cue detent position. The channel select buttons are the same high reliability socketed hall-effect pushbuttons found on the Logitek "Perfectionist" console. Seven internal mic preamps are hard wire assignable on the rear panel, and each output buss has its own stereo 1 x 4 distribution amplifier. Two separate headphone systems each have independent 5 x 1 source switching, and the "talent" headphone system provides for separate IFB-style interrupts for up to three different headsets. The Stereorack is very system friendly, providing appropriate logic for remote starting machines, and for accepting remotely generated channel commands. The unique Logitek "swap" key can automatically interchange all selected AUD and PGM positions. This handy feature is indispensible for sports and election coverage because it allows presetting and salvo-switching an entire mix. In addition, an internal "virtual" mono mix minus buss allows the Stereorack to handle telephone talk applications without tying up the audition buss. Connections are made with wire clamping terminal blocks, except for logic connections, which are on 37-pin D connectors. Noise is down at least 76dB from a +4dBm reference, with over 18dB of headroom and THD under .05%. Of course, since it's made by Logitek, the intenal construction is excellent, and is backed by the exclusive Logitek five year limited warranty and "Instant Action" service.

#60LTSR **$4,250.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

REVOX C279 MIXING CONSOLE

This newest entry in the Revox professional line is a 6 x 2 mixer with a unique, efficient input section which allows either an unbalanced stereo line input or a mono balanced mic or line input on each fader. This feature overcomes the drawback of most other mixers, which require the use of two inputs for stereo, or which only allow stereo on certain inputs. The input section begins with a 4 position mic/line selector, including a 70Hz highpass mic filter. Bass and treble EQ controls then feed the faders and a pre/post fader auxiliary (PFL), then the master stereo buss.

The slate/talkback functions allow the built-in slate mic audio to be directed to either channel of the master buss, or to the PFL buss. A small monitor speaker and headphone output will monitor either buss, as will the PPM metering. A correlation button routes L – R audio to the Left channel and L + R to the right for rapid phase verification.

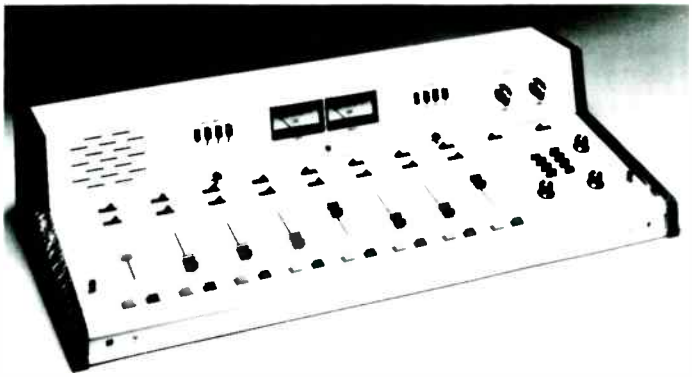
A plug-in unit is also available to expand the C-279's capabilities with noise reduction, turntable preamps, a 400Hz test generator, and/or fader start electronics.

The C-279 shares circuitry technology developed for the Studer console series, and is built with the functional, rugged, and attractive styling that Revox equipment owners have come to know and expect.

#60REC279 . . . . . **$2,699.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History



UREI BROADCAST CONSOLES

Nine on-air consoles with full UREI quality, priced within the budget of the small-market station. Choose 5, 8 or 12 channel versions, with conductive plastic faders, Shallco step-attenuators or Penny and Giles straight-line attenuators.

Each mixer has two inputs selectable by rocker switch. Additionally, two banks of four push buttons may be connected to any mixer input for additional source capacity. Channel on/off switching is performed by illuminated push buttons activating noise-free FET switching. Extra switch contacts are available for remote operation of turntables, tape or cart machines. Standard console input configuration provides one mic channel. The other channels accept line level inputs. Each line amplifier has a gain trim control to compensate for varying input levels from peripheral equipment. Active balanced inputs are standard, transformers optional. Program and audition are identical, allowing exchange of program and audition channels via front panel switch in the event of program amplifier failure.

For ease of console maintenance, the front panel and meter box are hinged to open fully. All IC's are socketed and circuit boards are silk-screened for quick component identification. An accessory phono preamplifier (Model 1101) powered from the console, is available. The preamp is designed to mount near the turntable, avoiding long phono pickup wiring.

MODEL 1651 - 5-channel console with conductive plastic attenuators.
#60UR1651 ..... **$2,896.00**

MODEL 1652 - 5-channel console with rotary step attenuators.
#60UR1652 ..... **$3,596.00**

MODEL 1653 - 5-channel console with Penny & Giles slide attenuators.
#60UR1653 ..... **$3,896.00**

MODEL 1681 - 8-channel console with conductive plastic attenuators.
#60UR1681 ..... **$3,596.00**

MODEL 1682 - 8-channel console with rotary step attenuators.
#60UR1682 ..... **$4,796.00**

MODEL 1683 - 8-channel console with Penny & Giles slide attenuators.
#60UR1683 ..... **$5,196.00**

MODEL 1691 - 12-channel console with conductive plastic attenuators.
#60RU1691 ..... **$6,496.00**

MODEL 1692 - 12-channel console with rotary step attenuators.
#60UR1692 ..... **$6,796.00**

MODEL 1693 - 12-channel console with Penny & Giles slide attenuators.
#60UR1693 ..... **$6,996.00**

ACCESSORIES:

EXTRA MIC PREAMP (per channel)
#61UR1013952 ..... **$82.00**

MODEL 1101 PHONO PREAMPLIFIER
#60UR1101 ..... **$99.00**

COPY STAND
#61UR13959 ..... **$99.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

HARRISON AIR-7 CONSOLES

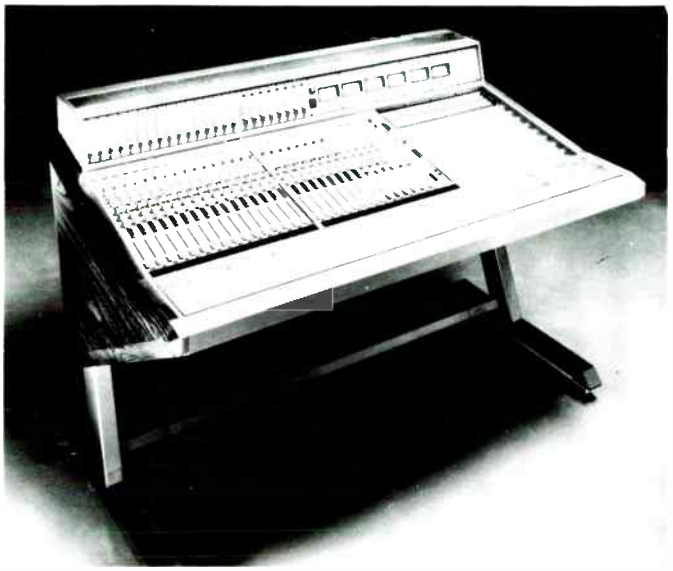
Elegant in their simplicity, the Series-7 consoles continue the Harrison Systems tradition of quality and reliability. Mainframes for the AIR-7 are available in 16, 20, 28 and 36 position sizes. Each mainframe comes complete with an accessory rack (filling four main frame positions) fitted with cue speaker, cue control, and timer control module. For more complex tape machine transport control, the accessory rack may be fitted with additional switching capabilities. The meter housing includes the count-up timer, time-of-day clock and standard complement of twelve pointer type VU meters. Two main program master modules (required for operation) and a control room monitor module are also standard, with a studio monitor/talkback module optionally available. A standard spares kit and extender module are also provided. Metering of several types is available, including conventional VU, LED VU, LED PPM and LED phase meters. External patching, as well as all line level and microphone interconnects are accomplished with reliable Molex crimp-type connectors. All inputs and outputs to the Harrison Series-7 consoles are electronically balanced and floating. Thick-film, laser trimmed resistor networks insure stable long term performance. The linear fader in each module generates a DC voltage which controls the gain of a voltage controlled amplifier (VCA). The VCA then sets the audio level. Quality parts and construction techniques, conservative efficient design, and superior audio performance make Series-7 consoles an excellent investment.

Stereo line and monaural mic input modules are available in two configurations. Type "A" provides two main stereo outputs, a mono mix derived from each of those stereo outputs, and a clean feed. (The clean feed is ideal for creating the mix-minus required of telephone interface devices such as our Telos 10.) Type "B" input modules provide two main stereo outputs, two independent monaural outputs, the clean feed, and a mono auxiliary send with its own level control. AIR-7 stereo line modules feature logic circuitry compatible with today's sophisticated transport systems. The circuitry is complemented by a "Next" button, giving operator assist in sequencing events with cart machine tones (for semi-automation) or from outside of the control room. The unique APL Audition system allows great flexibility in preview and cue functions. The APL, Audition, ON, and OFF controls are enabled via silent, Hall effect switches. Stereo line modules also include a mode selector (left, right, mono or stereo) while mic modules have a pan control.

The price of the AIR-7 varies with mainframe size, modules and features selected. Typical configurations range from $12,625 to $30,985, manufacturer's list price.

Planning a complete control room?
Whether you are re-building or starting from scratch, Bradley Broadcast can provide you with engineering advice, quality products, and follow up service. Get the most for your investment with Bradley Broadcast.
Call one of our professionals today!

World Radio History

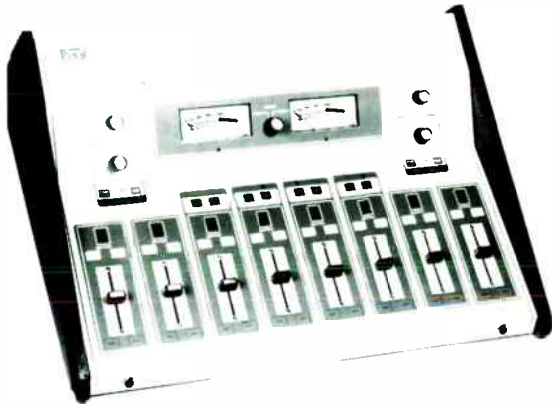


AMEK BCII SERIES

The BCII is Amek's response to the sophisticated production needs of the competitive broadcaster. Drawing on their extensive experience in recording, broadcast, and postproduction, Amek engineers have succeeded in creating a modular concept which is compatible with most any operating environment, and ranges in scope from an 8-input field mixer all the way up to a full-blown 24-input recording console. Two compact mainframes are available, with either 16 or 32 module positions. A "superframe" is also available with 32 module positions, script table, jackfields, 19" utility rack space, and additional overbridge space which is suitable for Amek EQ or Dynamics modules. All of the BCII mainframe systems use welded-steel construction, fully balanced mix buss topology, external power supply system, and your choice of metering standards. Internal bussing and edge connectors are integrated into a single motherboard. Inputs and outputs are active-balanced XLR, and utility connections are made with ¼" jacks and 50-pin D connectors.

All BCII input modules utilize Penny & Giles 3000-series faders, and provide fader operated remote starts, polarity reversal, and 3-band EQ with sweep-type midrange and switchable shelving corner frequencies. Depending on module choice, full remote control of both channel status and gain can be utilized in Audio-Follow-Video or automation applications. Either 2 or 4 AUX sends may be provided, and the system is easily configured for either a straight stereo mix-down, or 4-way subgroups. Auxiliary and monitor modules provide the full complement of "housekeeping functions" such as Talkback, Slate, Test Oscillator, and flexible two-studio monitoring selectors. With a DIN noise floor of −92dBv, headroom of +22 or +26, and typical THD of 0.03%, this system is ready for just about anything.

Amek BCII series consoles range in price from approximately $12,000 for the 8 x 4 x 2 portable (top photo), to approximately $55,000 for the full-blown system (bottom photo). Call Bradley Broadcast at 800-732-7665 to discuss your particular applications and configuration requirements.



ATI VANGUARD

ATI's entry into the field of mixing consoles has been long-awaited. Since the ATI MICROAMP series has become a mainstay of the broadcast industry, it seemed only natural to apply the same expertise and manufacturing philosophy to a well-built, but reasonably priced, broadcast console. Making effective use of digital technology, nearly all switching control functions on the Vanguard are handled via membrane switches which are scanned by the central processor. These switches are ideal since they are raised, silent, and employ tactile feedback. The audio is VCA controlled for clean, reliable performance. The control legends are backlit and use 5-color graphics behind a tough, seamless polycarbonate overlay. The front panel hinges forward up to 180° for access to the plug-in amplifier modules and punch-block audio connections. The standard console versions include dual VU meters (PGM/AUD switched), internal cue and headphone amps, two mic preamps, and two muted monitor feeds.

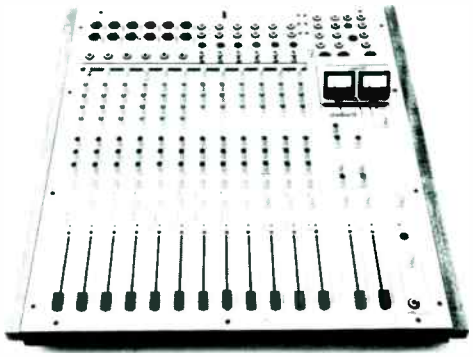
8-CHANNEL, ROTARY ATTENUATORS
#60AIBC8DSR $3,195.00
8-CHANNEL, LINEAR ATTENUATORS
#60AIBC8DSL $3,195.00
ACCESSORIES:
DUAL MIC PRE-AMP (Extra)
#61AIMIC $150.00
INPUT EXPANDER - DUAL 5X1
#60AIEXP $275.00
RELAY OPTION FOR ON AIR LIGHTS
#60AIRLY $125.00
CHANNEL START/STOP SWITCHES - 4 Sets
#60AISSS $125.00
FLUORESCENT BAR-GRAPH METERING
#60AIVFD $175.00
SPARES AND MAINTENANCE KIT
#60AISCK $125.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

FLASH!!!
Just announced at press time, the ATI VANGUARD is now available in a 12 Channel, 24 input version with linear faders. Call for details!!

Bradley Broadcast Sales. . . .
Where Service and Engineering
Make The Difference.

World Radio History



MBI/AHB STUDIO 12

The Studio 12 is a combination of the expertise of MBI Broadcast Systems and Allen & Heath Brennel, two of Europe's most respected companies. A compact design measuring only 24" x 24", the Studio 12 has 6 balanced mono mic line inputs and 6 unbalanced stereo line inputs, 3 of which are fitted with on-board RIAA equalization available for operation with turntables. Each mono input may be switched between a mic input or a line-level input—via two separate XLR's—and each stereo input may be switched between two different stereo line sources. Thus a total of 6 mono and 12 stereo line sources can be permanently connected, in addition to 6 microphones, maximizing the potential of the system and permitting a wide variety of programming situations.

Four-band equalization is provided on mono channels, and three-band EQ on stereo channels. Each channel is fitted with PFL, channel on/off, pan or balance, 3 auxiliary sends (each selectable internally pre or post fader and, in the case of mono modules, pre-EQ) including cue, and peak level warning. Phantom power is available on mic inputs. Stereo inputs may be switched to left only, right only, or mono. Remote start-stop circuits are provided to control turntables and tape machines and may be switched for either momentary or latching control. Depending on the remote mode selected, separate start-stop cues are given to each of the two input sources on each stereo channel. These may be operated off the 100mm long-throw faders or from the channel on/off push-buttons for total flexibility.

The Studio 12 also features a sophisticated "ducking" system whereby any input or group of inputs may override any other input or group of inputs for voice-over and more sophisticated operations. Both the depth of ducking and release time are adjustable. Auto-muting is provided for the monitor loudspeakers when required and microphone inputs may be switched to either local or distant muting via internal links. A TTL interface permits local and distant activation of warning on-air lamps. Master stereo outputs and mono outputs are balanced and are via XLR connectors. Flexible monitoring facilities, internal oscillator, and comprehensive cueing and talkback functions are included.

An excellent new consideration for broadcast, audio and video production, and sound contracting.

#60AHS12 ..... **$5,600.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

RAMSA WR-8616 CONSOLE

No matter how well designed a recording console is, or how good its specs are, any monolithic design is certain to have drawbacks or deficiencies of some type for each user. You can have your console custom built (expensive!), you can modify an existing console (jerry-build and take your chances), or you can get the mixing console that really meets your needs–the Ramsa WR-8616. Its mainframe, combined with a variety of modules, allows this console to be tailored for either post-production or recording applications, or a combination of both. Choose up to 16 mic inputs, or 32 line inputs (16 stereo), or any combination. Two types of group modules allow basic sub-grouping, plus four channels of tape monitoring with monitor, send, level, and pan control functions. Signals may also be routed directly to the L-R master output module. Metering is provided for 8 or 16 channels, four subgroups, left/right master, mono master, and echo, send and solo signals. Separate monitor and oscillator/talkback modules are standard.

Configuration:

WR-8616 CONSOLE FRAME/POWER SUPPLY - One required, includes output, talkback/osc, and monitor modules.

#60PAWR8616 ..... **$3,535.00**

INPUT MODULES - Select any combination up to 16 inputs:

WR-8101 MONO MIC/LINE MODULE

#60PAWU8101 ..... **$209.00**

WU-8106 STEREO LINE INPUT MODULE

#60PAWU8106 ..... **$193.00**

WU-8091 BLANK PANEL

#60PAWU8091 ..... **$40.00**

TAPE MONITOR/GROUP MODULES - Select up to four:

WU-8102 TAPE MONITOR/GROUP MODULE

#60PAWU8102 ..... **$185.00**

WU-8107 BASIC GROUP MODULE

#60PAWU8107 ..... **$120.00**

Call Bradley Broadcast Sales for a package quotation on a complete WR-8616 system.

RAMSA WR-S208

The Ramsa WR-S208 contains a host of features to aid sound reinforcement, post production and A/V users. With six mono inputs and two stereo inputs, plus separate monitor, send and effects busses, the user can set up a wide variety of inputs, foldbacks and effects, and retain full front-panel controls of each.

The output section has separate faders for left, right and mono-sum outputs. The left and right output channels are furnished with master pan pots, and the mono sum may be derived pre or post master L R faders. The monitor section features headphone and solo level controls, plus solo indicator and phantom power on/off switch. Three 12-point LED bargraphs monitor the three output channels, or they can be switched to read the output levels of the monitor, send, and effects busses. The features of the WR-S208 are also available in twelve and sixteen input configurations, each with two stereo outputs.

WR-S208 - 8 Channels

#60PAWRS208 ..... **$865.00**

WR-S212 - 12 Channels

#60PAWRS212 ..... **$1,199.00**

WR-S216 - 16 Channels

#60PAWRS216 ..... **$1,399.00**

World Radio History

RAMSA WR-T812/WR-T820

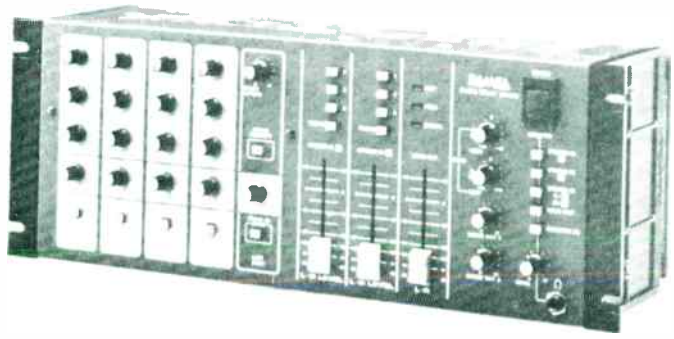
The WR-T812 (pictured with meter bridge) features 12 inputs and is specifically tailored for eight-track recording; and the WR-T820 mixer features 20 inputs and is capable of both eight and sixteen-track recording. Both boards feature the ability to simultaneously mix incoming signals with tape playback signals for overdubbing without the need to repatch. Each input on both the WR-T812 and WR-T820 offers pushbutton selection of electronically balanced MIC, LINE or unbalanced TAPE signals. Phantom 48V MIC power is individually switchable for each channel and a polarity reversal switch has been incorporated on each channel input for LINE and MIC inputs. A trim control with a 40dB range is offered for MIC and LINE inputs, with a second trim control exclusively for TAPE inputs. A sweepable three-band equalizer with an on/off switch is on every input channel for individual sound tailoring of the input signals. 100mm long stroke faders are used for optimum level adjustments. Two different metering configurations are available. The "basic" metering configuration consists of ten twelve-point LED bar graphs. The second metering configuration available for both mixers is in the form of a "meter bridge". The WR-T812 meter bridge houses eight twelve-point LED bar graphs for input channels one through eight (for eight-track mixdown) and ten VU meters for the output group signals, master L/R, auxiliary sends and stereo solo. The WR-T820 meter bridge features sixteen twelve-point LED bar graphs for input channels one through sixteen (for sixteen-track mixdown) and 10 VU meters for group signals, master L/R auxiliary sends and solo monitoring.

WR-T812
#60PAWRT812 ..... **$2,919.00**
WR-T812 - with Meter Bridge
#60PAWRT812MB **$3,425.00**
WR-T820
#60PAWRT820 ..... **$3,975.00**
WR-T820 - with Meter Bridge
#60PAWRT820MB **$4,625.00**

RAMSA WR-133

This 8 x 2 mixer provides mic or line input on any channel, plus phono inputs on mixers 1-4. Each input section features high low shelving EQ, monitor and effects send, pan pot, and peak LED. The output section has a separate mono output, master effect and monitor output controls, plus stereo record outputs via XLR and ¼" phone plugs. Attractive and functional briefcase styling make this mixer an excellent 'road' unit. Also see the WR-500 portable mixer with the rugged case and battery power in our Field Production section.

#60PAWR133 ..... **$750.00**
ACCESSORY:
RACK MOUNT KIT
#60PAWQ51 ..... **$60.00**



RAMSA WR-M10

This compact and versatile mixing system is uniquely useful due to its flexible input and output layout. Both of the 60mm stereo slide faders have integral fader start microswitches and input switching for four sources: three at line level and one RIAA phono input. Each of the four mono input channels accepts balanced XLR inputs from Mic to Line level without the need for pads. The mono channels also feature individual EQ on voice optimized centers of 450Hz and 3.5kHz, along with effect-send pots, a mono buss compressor, and a mono driven ducker for the stereo buss. The main (stereo) output buss has its own slide fader, shelving EQ and LED headroom indicator, and feeds a transformer coupled line level ¼" TRS output at up to + 18dBm. Three auxiliary stereo output feeds and two mono sum outputs are more than adequate for a variety of outboard gear. Includes reversable "ears" for either rack mounting or wall mounting. All in all, an extremely good value.

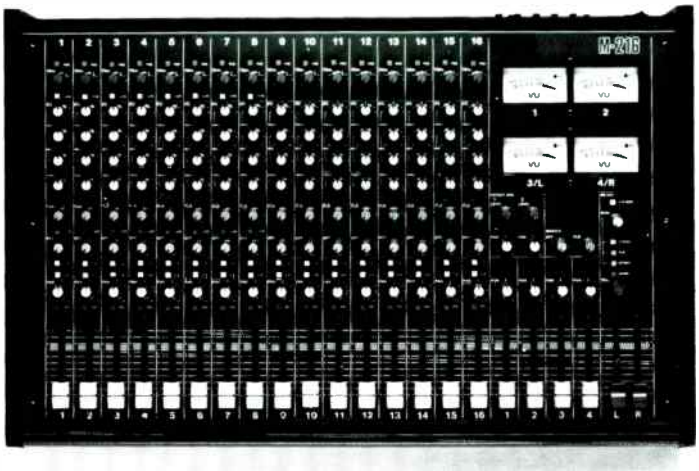
#60PAWRM10 ..... **$519.00**

RAMSA WR-8210A

A compact 10-input, four output, high quality mixer with an unusual amount of versatility designed specifically for multitrack recording applications. Each channel contains transformerless balanced input for maximum signal transparency, line input, sub-in jack, channel patch access and direct output. Easy to operate front panel design includes a submix input control on each channel to receive the tape recorder's output signal for monitoring or remix, LED peak indicators, input select switch, input trim, three position equalization with six position center frequency, two auxiliary output controls for effects or monitoring with pre or post fader operation, EQ in/out switch, four position and pannable submix output matrix, channel on/off button, solo button and a 60mm smooth touch fader. Output section includes two effects return controls with six position output assign, output masters for both aux busses, 60mm faders with trim controls and LED bar meters for all four main outputs and a 12-position priority solo output.

#60PAWR8210A **$1,445.00**

World Radio History

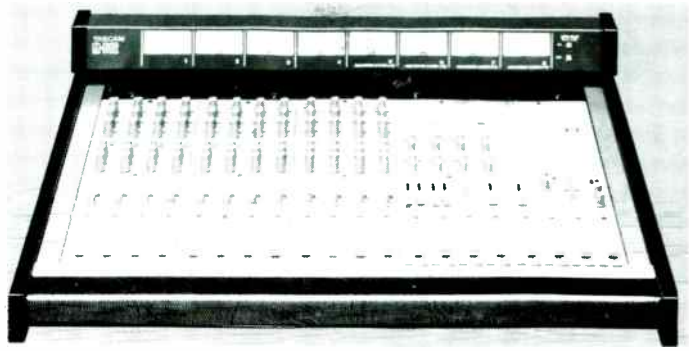


TASCAM M-200 SERIES MIXERS

The M-208 and M-216 Mixers are made for the tough jobs. The M-208 is optionally rack mountable for convenience and mobility. 8 (M-208) or 16 (M-216) input channel configurations are available and both models provide four program busses, each with its own pan and fader, and a stereo buss also with separate faders. The program buss faders allow multiple input channel signals to be grouped on a single fader for quick and accurate control during live performances or recording. The Series 200 Mixers also provide 8 tape inputs with corresponding switches in the channel strips so that an 8 track recorder can be left connected and brought into the mixer easily for playback monitoring. Each channel strip provides: pad, trim, channel insert, overload indicator, two tape selector switches, 3-band shelving and sweeptype parametric EQ, effect and foldback level controls, buss assign switches, pan, channel fader, and pre-fader listen (solo) switch. The master section includes, in addition to the program faders, pan controls and the stereo faders, effect return level and pan controls, master level controls for effect and foldback mixes, solo master level, and switching matrixes for the monitor and meters. Monitor level and a mono switch for the stereo buss are also provided.

M-208
#60TEM208 ..... **$1,095.00**
M-216
#60TEM216 ..... **$1,695.00**
ACCESSORY:
RACK MOUNT KIT FOR M-208
#61TERM208 ..... **$63.95**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



TASCAM M-500 SERIES

As the state of the art in electronics moves forward, so does Tascam console design. The 12-input M-512 and 20-input M-520 are the latest leap forward in sophistication. Looking at the 500 Series you would be hard pressed to think of a feature it doesn't have. Balanced XLR mic inputs, with individually switched phantom power, two ¼" instrument inputs, two RIAA mag phono inputs, send/receive on each channel and program buss. Each input module features 3-band parametric EQ, phase-reverse, 30dB pad, mute, pre-fader listen, and tape return switching. Each console has eight main buss VU meters and four aux buss VU meters, stereo solo and tape return, and slate and talkback facilities.

MODEL M-512
#60TEM512 ..... **$4,395.00**
MODEL M-520
#60TEM520 ..... **$5,995.00**
ACCESSORIES:
SIDE PANELS FOR M-512
#61TECS513 ..... **$249.00**
FITTED STAND FOR M-512
#61TECS512 ..... **$449.95**
SIDE PANELS FOR M-520
#61TECS521 ..... **$249.00**
FITTED STAND FOR M-520
#61TECS520 ..... **$449.95**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM M-300 SERIES CONSOLES

Three consoles comprise the 300 Series with flexibility being the key word to describe them. They are all designed for both recording and sound reinforcement duties with the following features: mic or line selectable inputs with separate trim controls, three band EQ with bypass switch, two selectable Aux and Effects systems, program and stereo buss assign matrix with pan control, eight assignable tape return monitor sections with level and pan, two effects return master sections, multiple selections with stereo outputs and headphone jack, ±4dBm balanced and unbalanced outputs, six selectable VU meters with LED peak indicators and more depending on the model.

MODEL M-308 - 8 input x 4 buss x 8 monitor.
#60TE308 ..... **$1,795.00**
MODEL M-312 - 12 input x 4 buss x 8 monitor.
#60TE312 ..... **$2,795.00**
MODEL M-320 - 20 input x 4 buss x 8 monitor.
#60TE320 ..... **$3,795.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

TASCAM M-106

The Tascam M-106 mixing console is designed for use in music production, P.A., video post-production and audio sweetening applications. The M-106's six input channels each have mic, line, or tape inputs. Four channels have RIAA phono inputs to acccommodate two stereo turntables. The four main mixing busses provide the capability for one-take 4-track recordings, and simplify the overdubbing process. The M-106 has two completely independent monaural auxiliary mixing busses. The first of these selects channel or line input and the second is post-fader. Each input channel has a 30dB mic attenuator, 60dB input trim control, and 2-band EQ. The M-106 has a complete monitor switching section which allows you to monitor the four busses separately, as stereo pairs or a mono sum of either pair. Uses RCA and ¼" connections.

#60TEM106 ..... **$695.00**

ACCESSORY:

RACK MOUNT KIT

#61TERM106 ..... **$53.95**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

ELECTRO-VOICE TAPCO 52 SERIES II

The engineers at Electro-Voice have put 30 years of audio know-how into this generation of Tapco mixers to help you sound great. The input amplifier design of the EVT 52 Series II provides more gain than any other product in its class, allowing more headroom to accommodate a wide variation of signal sources. Available in three configurations, 8, 12 (pictured) and 16 channels. All three models share the same features: three band EQ, effects/reverb send, monitor send, pan, channel patching, phantom power, LED ladder metering, left and right subs, and main and monitor faders. Additional convenience features include balanced low impedance mic inputs and a BNC socket for Littlelite 12G lamp. All in all, a lot of value for your dollar. The EVT 5208 is available in a rack mount version at the same price.

EVT 5208 - 8 Channels

#60ELEVT5208 ..... **$659.00**

EVT 5212 - 12 Channels

#60ELEVT5212 ..... **$794.00**

EVT 5216 - 16 Channels

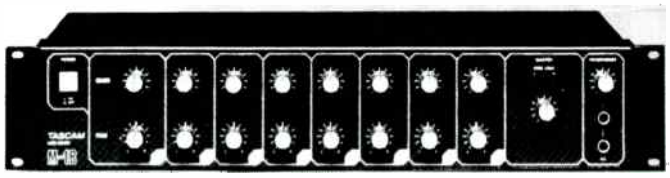
#60ELEVT5216 ..... **$999.00**

TASCAM MODEL 1B

If all you need is "just one more mix"! It's an 8 x 2 line level accessory submixer which can be used to supply one or two additional mixes for foldback, effects, or what-have-you. Rack mountable in three spaces.

#60TEMOD1 ..... **$295.95**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

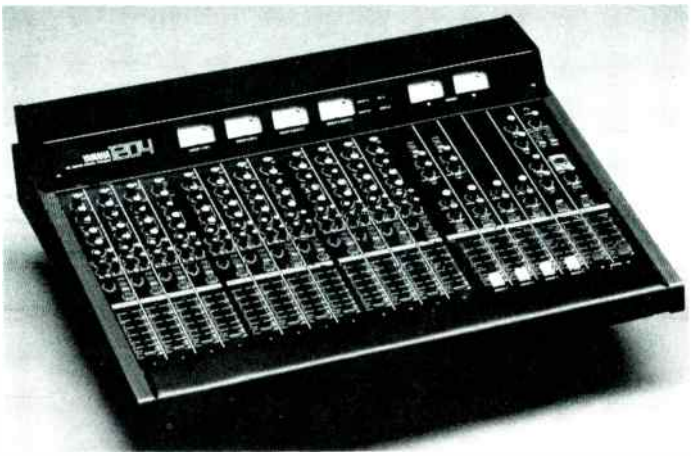


HILL MULTIMIX

The Multimix from Hill Audio is a compact, yet full featured 19" rackmountable console with built-in power supply. Using a unique design that allows channels 13 to 16 to be used as inputs and or subgroups, the Multimix can be operated as a 16:2:1, 12:4:2:1, or 16:4:2:1. In order to maximize performance and serviceability while keeping cost within reason, the Multimix was designed as a "semi-modular" console, using a solid front panel design with individual channel PC cards interconnected via ribbon buss cable. Each input has individually selectable 12V phantom power, 2 Aux sends, 3-band EQ and smooth 90mm faders. Mic inputs are XLR active differential, line inputs are unbalanced bridging ¼" Tip-Ring jacks, and channels 1 through 4 are equipped with RIAA phono inputs. 5532 series chips are used exclusively for absolutely state-of-the-art audio quality.

#60HIMM **$1,679.00**

World Radio History



YAMAHA MC SERIES CONSOLES

The MC Series consoles offer more than enough features to function admirably in virtually any application. Select 12, 16 or 24 inputs, feeding four group busses in turn feeding a stereo master buss. Insert patch points are provided on all input channels as well as on the groups. Input channels are equipped with cue buttons and channel on/off switches, as well as 4-band EQ, pan pot, 20dB pad, and variable input gain control. Each group section provides echo pan, echo return, group out (for direct multitrack feed), cue button, on/off switch, and master fader. The headphone/talkback section provides six different routes for talkback: through each group, through foldback, or directly to the main stereo buss. An XLR connector is provided for the mic of your choice. The 12 and 16 channel versions provide six VU meters: two for stereo, four shared by groups and foldback busses: the 24 channel version meters all ten parameters independently. When your audio application requires versatility, the MC Series consoles provide the answer!

MODEL MC1204 - 12 Channel
#60YAMC1204 ..... **$2,445.00**
MODEL MC1604 - 16 Channel
#60YAMC1604 ..... **$2,995.00**
MODEL MC2404 - 24 Channel
#60YAMC2404 ..... **$3,995.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

YAMAHA RM-804

The RM-804 is an 8-in 4-out mixer with electronically balanced mic line inputs, echo mixing buss, full monitoring capability, and a sub input for adding a sub-mixer when more inputs are required. Each input channel has continuously variable gain trim, 3-band EQ and metering of the four group outputs, plus L&R outputs. The RM-804 is a high performance mixer that is ideal for 4 or 8 track recording applications.

#60YARM804 ..... **$1,345.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

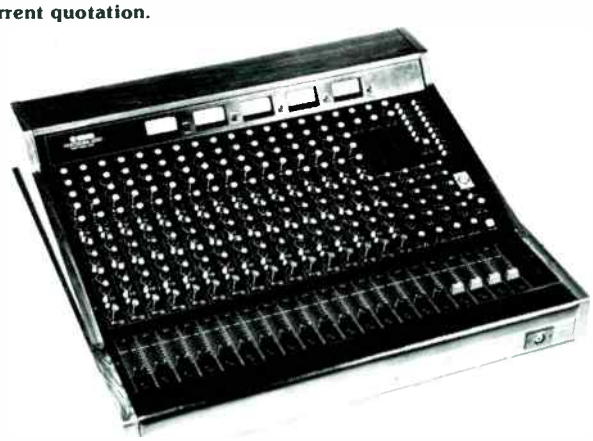
YAMAHA M-512 AND M-508

These are sophisticated mixers for fixed or portable sound reinforcement, recording, or production applications. Both have four outputs, plus headphone monitoring of each of the output busses. Illuminated VU meters provide effective monitoring of average program levels, with peak LED's in each meter to warn of overload conditions. The meters are switchable to each of the busses.

Input channel features include phantom power, 6-position attenuator, 3-band EQ, peak LED, and selectable pre-post fader and pre-post EQ foldback and echo send points. Three effects inputs (pannable) and four sub inputs are also provided. Except for these latter seven inputs, all inputs are transformer-isolated XLR connections.

MODEL M-508 - 8 Channel Mixer
#60YAM508 ..... **$1,850.00**
MODEL M-512 - 12 Channel Mixer
#60YAM512 ..... **$2,550.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



YAMAHA M-916 MIXER

A sophisticated, professional mixer intended for fixed or portable sound reinforcement, recording, or broadcast production. It has 16 input channels, 11 mixing busses (including a 5 x 4 matrix) and 19 outputs (plus 22 patch in/out points).

Each input channel has a pair of switch-selectable XLR connectors, either of which is usable with mic or line level sources. The channel EQ's offer 15dB of boost or cut at any of 9 frequencies. Two peak LED's on each channel monitor nominal and peak clipping levels so optimum headroom can be obtained.

Of the M-916's 11 busses, two are program, 2 foldback, 2 echo, four mix matrix and one cue. The unique matrix is really a 5 x 4 mixer-within-a-mixer that is useful for setting up individual monitor mixes, monitoring in stereo while recording multi-track, and many other jobs. Five illuminated VU meters provide effective monitoring of all outputs. XLR output connectors are provided on main outputs, and unbalanced standard phone jacks are used for effects and sub inputs, and for patch points.

#60YAM916 ..... **$5,995.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

YAMAHA M-406 MIXER

A rackmount, 6 x 2 mixer with superior specifications, XLR inputs and outputs, and plenty of useful features. Each channel has a six position attenuator, three band EQ, send control and pan pot. Dual illuminated VU meters show left and right output with right meter and phones switchable to monitor the send/echo channel. With low noise (-95dB), and +24dBm output capability, the M-406 fills the bill for a high quality, rack mountable mixer.

#60YAM406 . . . . . **$1,250.00**

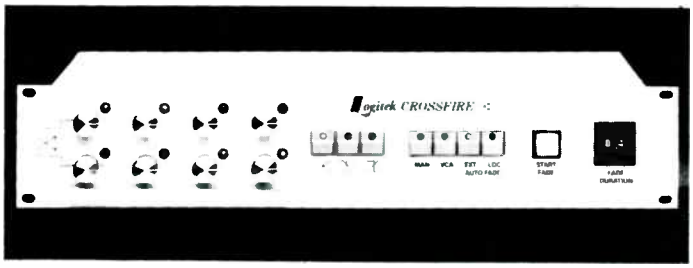
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

SONY MX-P21

This eight in-stereo out mixer offers a more extensive array of functions than other consoles its size. Each input channel offers XLR mic input (with individually selectable 48V phantom power) and unbalanced line input. Channels 1 through 6 also accept phono levels. The master output is available on both balanced and unbalanced connectors and two auxiliary outputs are available for effects and special monitor sends. The MX-P21 has an extensive monitoring section including a talkback module, with built-in mic, and external monitoring capabilities. The three band EQ, available on each channel is complemented by a low cut (120Hz) filter. With proper interface, the faders on channels 3 and 4 can be used for external machine start. The unit can be powered by a car battery, and is designed for desk top or rack mount operation. Two MX-P21 mixers can be cascaded. Sony quality, simple operation, and a wide choice of signal flow options make the MX-P21 unique in its class.

#60SOMXP21 . . . . . **$1,695.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



LOGITEK CROSSFIRE

Audio-for-Video is different. You know it! Until your edit controller can control audio the same way it does video, your audio will always take much more time and effort than it really has to. The Crossfire is an automatic dual four-channel mixer which can make automatic crossfades between its output channels. Just set the prefade mix, the postfade mix, and let your edit controller do all the work. The crossfade transition rate may be controlled either by a DC ramp signal, or a contact closure from your editor with front panel thumbwheel selection of transition rate (0.1 to 9.9 seconds). A unique "Transition Shape" selector allows a choice of a direct "criss-cross" fade, a "pseudo-duck" to bring down music or SFX to open a Voice-Over segment, or a "ramp-up" to close the segment. Of course, with all of those VCA's onboard, the Crossfire also makes a perfect remotely-controlled console. Now you can "rehearse" audio transitions and mixes in the same manner as video. The balanced input and output connections are on wire clamping terminal blocks. The Crossfire is backed by a five year limited parts and labor warranty, and well known Logitek "Instant Action" service.

#60LTCF **$895.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

RANE SM-26 SPLITTER MIXER

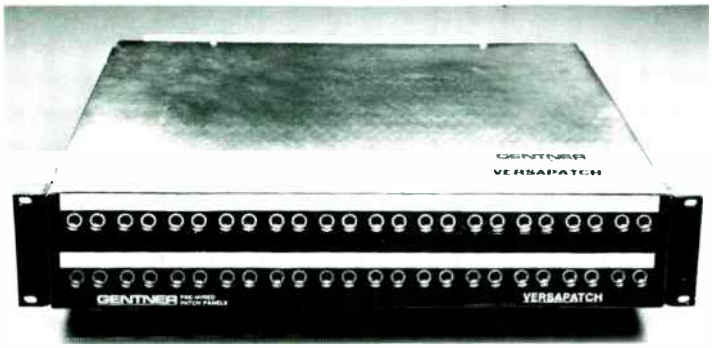
This Rane mixer is compact and versatile. It functions as a 6 x 2 mixer, a 2 x 6 splitter/DA, or a 6 x 6 buffer amp. Unique circuit topology allows various combinations of splits and mixes to be performed simultaneously, via ¼" balanced inputs and ¼" floating high-current outputs. Shorting input jacks determine whether a given input is fed individually or by the stereo input buss. All inputs route to individual mono outputs via front panel level control, and can be panned to the L/R output buss.

There is almost no limit to the routing applications you can devise with this economical device. It has justly earned its nickname "Swiss army mixer" for the variety of audio solutions it provides.

#60RNSM26 Splitter/Mixer **$329.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

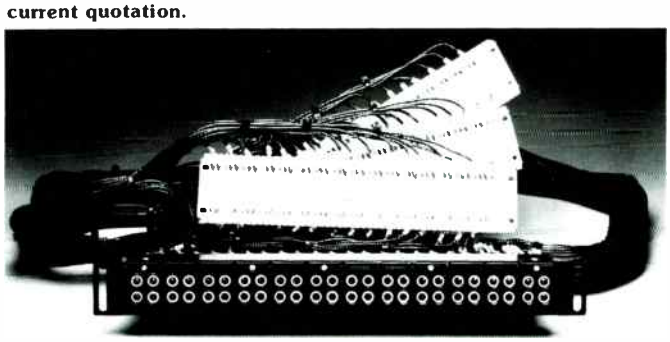


GENTNER VERSAPATCH

Gentner Engineering's Versa-Patch provides the convenience of a chassis enclosed patch panel, with high quality and fast delivery. Each unit has wide designation strips, a rear strain relief bar for cable tie down, and the enclosure provides protection against dust and RFI. Select from Flexiblock or "66" punchblock termination. The Flexiblock permits a high density of connections in a small space and allows the use of stranded wire. A half normalled (i.e. top-row-bridging) vesion is available. The punchblock version has tip, ring, sleeve and normals brought out to the punchblock for each circuit.

VERSAPATCH/FB-FLEXIBLOCK TERMINATION
#60VP **$599.00**
VERSAPATCH/FB-FLEXIBLOCK-TOP-ROW-BRIDGING
#60VPTRB **$624.00**
VERSAPATCH/66-PUNCHBLOCK TERMINATION
#60VP66 . . . . . **$549.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



GENTNER PRE-WIRED AUDIO PATCH PANELS

There is no reason to spend your valuable time wiring patch panels! Gentner Engineering and Bradley Broadcast can provide pre-wired patch panels in virtually any configuration. Superb quality, fast delivery, and affordable prices. Of course we also supply punch tools, Flexiblocks and Punchblocks, and all the other supplies you need for a neat, well-documented installation. Use the examples below, or call Bradley at 800-732-7665 for assistance and a free copy of Gentner's Patch Panel Selection Guide.

MODEL 48DR-TRS-AB-XX - Forty eight quarter-inch tip-ring-sleeve jacks in two rows with stereo offset spacing, normalled at the bay, with your choice of Flexiblock (FB), punchblock (PB), or "Christmas Tree" (XT) termination. Cable length two to eight feet.

#60GE48TRSABXX **$449.00**

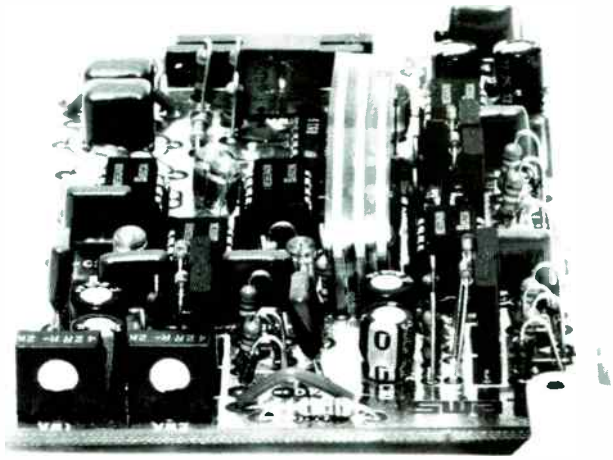
MODEL 48DR-TRS-BO-XX - As above except with normals brought out to the termination.

#60GE48TRSBOXX **$599.00**

MODEL 48DR-TRS-TRB-XX - As above except with top-row-bridged (normalled bay).

#60GE48TRSTRBXX **$484.00**

Please note: Prices above are manufacturer's list. Call Bradley for a current quotation. Other patch bays available include 52 quarter-inch jacks in two evenly spaced rows; 78 quarter-inch jacks in three evenly spaced rows; 96 bantam jacks in two offset rows; and single row bays of 24 or 26 quarter-inch jacks. Panels are also available unterminated, with barrier block termination, or with any other termination you provide. Greater cable lengths available at additional cost. Cables are bundled to the left as viewed from the rear of the panel.



SWA UA-2 UNIVERSAL AMPLIFIER

The Straight Wire Audio UA-2 can serve multiple functions in your facility. This Universal Amplifier consists of a balanced input stage and an independent balanced output stage on a single card. You determine its characteristics via the mating edge connector. Each card provides accommodations for input pads and terminations, including a center tap resistor for phantom power or true balanced-to-ground operation. Use it as a 1 x 8 distribution amplifier, an IHF to PRO interface amp, a low noise mic preamp, a balanced bridging buffer, or a headphone amp. The UA-2 is available individually either assembled or in kit form, and the input and output stages can be purchased separately. For convenience the UA-2 is available in a single rack space unit which includes up to four amplifiers with power supply. Typical THD is less than 0.0015%, IMD below 0.003%, S/N ratio at unity gain is better than 90dB with more than 20dB headroom.

UA-2 UNIVERSAL PREAMPLIFIER - Assembled
#60SWUA2 . . . . . **$227.00**
RACK UNIT WITH ONE UA-2 AND POWER SUPPLY
#60SWUADA1 . . . . . **$524.00**
RACK UNIT WITH TWO UA-2 AND POWER SUPPLY
#60SWUADA2 . . . . . **$764.00**
RACK UNIT WITH THREE UA-2 AND POWER SUPPLY
#60SWUADA3 . . . . . **$994.00**
RACK UNIT WITH FOUR UA-2 AND POWER SUPPLY
#60SWUADA4 . . . . . **$1,245.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation and kit prices.

SWA MTX MATRIX AMPLIFIER

The MTX from Straight Wire Audio converts L/R stereo to L + R sum and L – R difference or L + R L – R back to L R stereo. Matrixing can be used in FM processing for separate compression of L – R from L + R; for mono mixdown and stereo production effects; for M/S microphone techniques and many other applications. S N ratio 90dB (unweighted, 10Hz to 30kHz, ref. +4dBv), THD 0.005% (20-20kHz @ +21dBv), response ±0.1dB (20-20kHz), separation 55dB (20-20kHz, cascading two units for encode/decode). The MTX is available individually, or in single rack space units which include up to four amplifiers with power supply.

#60SWAMTX **$137.00**

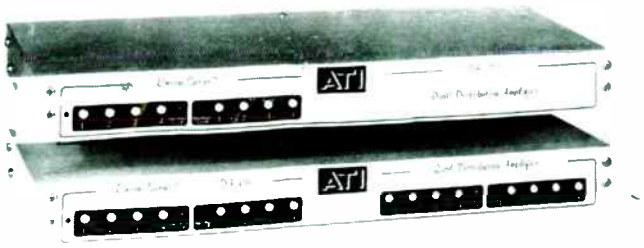
Call for pricing on rack units.

SWA RACK FRAMES

Vertical rack frames are 3.5" high and hold up to 16 SWA Cards plus power supply, and Horizontal Rack Frames are 1.75" high and hold up to 4 SWA Cards plus power supply. Load these frames with any combination of UA-2 and MTX amplifiers along with SWA phono preamps. Vertical Frames start at $490.00 with single power supply, Horizontal Frames start at $299.00. Call Bradley for details on these high quality products.

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History



ATI DA208/DA416

Many applications require four or less outputs, so why pay for extra outputs you'll never use? Here's a no-frills, state-of-the-art DA system available in either two or four sections of 1x4. Paralleling inputs allow you to set up your choice of 1x4, 1x8, 2x8 or 1x16–whatever your application requires. Individually adjustable output amps with clipping indicators on each input. Outstanding RFI suppression. 13V/uSec slew rate, 60dB CMRR at 60Hz, THD max 0.1%, SMPTE IMD max 0.05%, 30Hz-20kHz ±0.25dB, S/N-75dB at 20dB gain (ref: +18 out).

DA208 - Two 1x4 sections.
#60AIDA208 ..... **$329.00**

DA416 - Four 1x4 sections.
#60AIDA416 ..... **$469.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ATI DA1008/DA2016 DISTRIBUTION AMPLIFIERS

These amplifiers form a flexible distribution system by providing individual level adjustments for each output line. Full LED metering with switchable 0VU calibration and a headphone amp, switchable to any output, are provided. A full complement of models include transformer or differential outputs at +22dBm (or +30dBm optional) in 1x8 or dual 1x8 configurations.

DA1008-1 - 1x8 configuration with +22dBm transformer output.
#60AIDDA10081 ..... **$850.00**

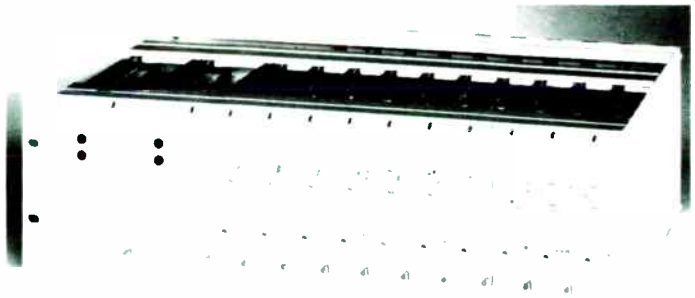
DA1008-2 - 1x8 configuration with +22dBm differential output.
#60AIDA10082 ..... **$755.00**

DA2016-1 - 2x16 configuration with +22dBm transformer output.
#60AIDA20161 ..... **$1,195.00**

DA2016-2 - 2x16 configuration with +22dBm differential output.
#60AIDA20162 ..... **$995.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

Our warehouse expansion has been completed and items from stock are usually shipped in 24 hours. Let a Bradley professional know if we can help meet your special deadline.



LOGITEK AUDIO ACCESSORY SYSTEM

A modular rack frame system with eight different module types to meet a full range of audio distribution requirements. Its mainframe provides system power, with space for optional redundant power supply module. Occupies 5¾" rack space.

MAINFRAME WITH POWER SUPPLY
#60LTMASMF **$595.00**

POWER SUPPLY
#60LTMASPS **$265.00**

MAS-DA - 1-in, 6-out distribution module, fixed level outputs, active balanced. Front panel input gain control.
#60LTMASDA **$225.00**

MAD-ADJ - Distribution module with six adjustable outputs. Input gain control.
#60LTMASADJ **$290.00**

MAS-LA - 1-in, 1-out line amp, Hi-Z input to 600 balanced output.
#60LTMASLA **$200.00**

MAS-AGC - 1-in, 6-out distribution amp with AGC to compensate for input level changes. Front panel input gain controls, AGC/standby switch.
#60LTMASAGC **$320.00**

MAS-VCA - 1-in, 5-out distribution amp with external gain input for remote gain control.
#60LTMASVCA **$295.00**

MAS-MKE - Two channel microphone preamp for feeding mics to any other module or other line level devices.
#60LTMASMKE **$245.00**

MAS-MON - Six watt speaker/amp with five switch selectable line level inputs for monitoring various audio functions. Front panel gain control and input selector. Fills two mainframe positions.
#60LTMASMON **$235.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a quotation on a complete system.

RADIO SYSTEMS DISTRIBUTION AMPLIFIERS

Available in a single channel (1x8) or dual channel (2x16) version, Radio Systems distribution amps boast excellent frequency response, distortion, noise, and channel isolation characteristics. Front panel gain adjustments for each channel, barrier strip connectors, and standard rack mount ease set up. High quality op amps provide transformerless, balanced outputs.

DA-8 - Single Channel (1x8) DA
#60RADA8 ..... **$345.00**

DA-16 - Dual channel (2x16) DA
#60RADA16 ..... **$425.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

CONEX AS-101

New from Conex, a reasonably priced state-of-the-art stereo routing switcher. The AS-101 is somewhat unusual in that it can be programmed for "overlap" switching, where the previous source does not turn off until the trailing edge of the command strobe which turns on the new source. Input and output level controls are accessible from the front panel, and inputs may be individually switched for a 10K bridging or 600 ohm terminating. Audio connections are via plug-in screwclamp terminal blocks, and all audio paths are balanced transformerless. The control format is 4-level BCD plus strobe, ground, and +12VDC. Several control heads may be operated in parallel. An auxiliary rackmount chassis can accept option boards for relay-based machine control, RS-232/422 interface, and a system controller board. The system board allows the AS-101 to function as a simple automation system when controlled by an inexpensive personal computer.

#60CNAS101 ..... **$895.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

SHURE FP 16

This 1 x 6 distribution amplifier will accept a mic or line input, and feed any combination of six mic or line outputs. Link in and out jacks allow ganging units together for additional output capability, or inserting processing. Simplex power is available and the entire unit may be operated at +4dBm output in continuous use for up to 20 hours on three 9-volt batteries. This supply also automatically cuts in if normal AC power fails. Inputs/outputs are 3-pin XLR, link jacks are ¼". The FP-16 is ideal for remote functions, new conferences, E.N.G. applications, or any place where multiple mic/line outputs are needed.

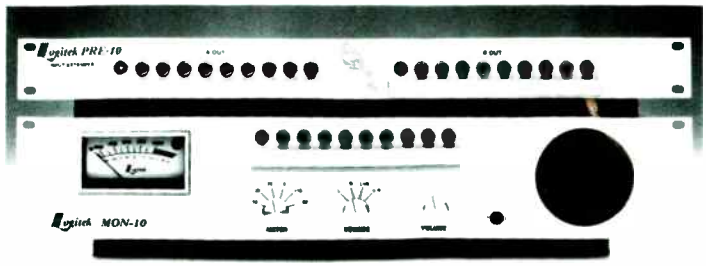
#60SHFP16 ..... **$319.00**

ACCESSORY:
RACK MOUNT
#60SHA16R **$25.00**

EXCALIBUR DA1-5B

Probably the lowest cost distribution amplifier in the U.S., the DA1-5B is designed especially for small stations on a tight budget. Use it to feed recorders and cart machines from a production console, or to distribute an incoming network feed and boost the level, too. Up to 20dB gain, +15dBm maximum output, greater than 65dB S N ratio.

#60EXDA15 ..... **$169.00**

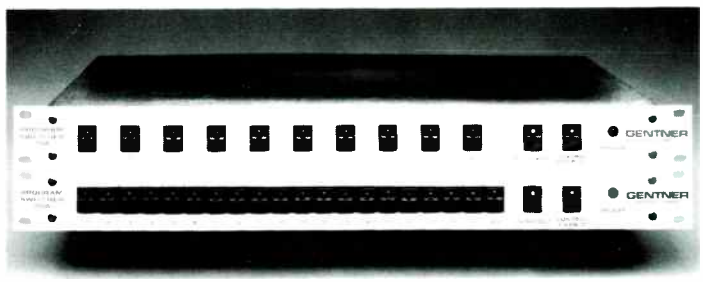


LOGITEK PRE-10 AND MON-10

Here are two unique items that everybody needs. The Pre-10 is a passive mono 10 x 2 routing switcher with XLR connectors. The Mon-10 is a stereo 10 x 1 passive switcher with wire-capture terminal blocks and extensive onboard switching, to look at Left, Right, L+R, or L−R and to feed the selected signal to the VU meter and internal monitor amp. The meter sensitivity may be selected over a 50dB range in 10dB steps. The monitor amp also feeds a front-panel headphone jack and rear panel speaker connections.

PRE-10 MONO 10 x 2 PASSIVE PRESELECTOR
#60LTPRE10 ..... **$370.00**
MON-10 STEREO 10 x 1 SWITCHER/MONITOR
#60LTMON10 ..... **$735.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



GENTNER PROGRAM SWITCHERS

The cost effective 10 x 1 stereo and 20 x 1 mono audio switchers have been upgraded for 1987. Front panel layout has been enhanced and the new "deselect" control allows disconnection of the switcher from all audio sources for stacking and matrixing. Routing is accomplished with sealed, socket-mounted magnetically-latching relays driven by programmable array logic. This makes the switcher insensitive to line voltage glitches or failures. Since the audio path is passive, there is no significant degradation of audio crossing the matrix, unlike some active switchers which can have all manner of crosspoint noise and linearity and headroom constraints. Audio connections are made with your choice of pigtailed "66-block" or Flexiblock. Control connections enter the chassis through a standard 25-pair Amphenol connector. A connectorized multipair control cable is optional.

10A - Stereo 10 x 1
#60GE10A **$939.00**
20A - Mono 20 x 1
#60GE20A **$959.00**

Specify flexiblock or punchblock termination.

ACCESSORY:
CONTROL CABLE
#60GEPSC **$34.95**

Prices above are manufacturer's list. Please call Bradley for a current quotation.

VISA, MasterCard and American Express accepted for all orders.

World Radio History

EVENTIDE BD980 ADVANCED BROADCAST DELAY

Eventide now takes the hassle out of radio talk production. This two channel stereo unit provides 20kHz bandwidth and 90dB of dynamic range with less than .02% distortion at 1kHz. Advanced catch-up circuitry in the BD980 solves the problem of getting back into delay after a segment is "dumped". One push of the "DUMP" button prevents the undesirable utterance from reaching the air, and the BD980 rapidly rebuilds delay so cleanly it is virtually undetectable. Ingenious new delay entry/exit modes require only the push of a button to move from real time to delay, or vice versa. Delay is adjustable up to ten seconds, and the BD980 has convenient remote facilities. Obviously, the new standard!

WAIT . . . THERE'S MORE! The BD980 can also be used as a valuable production tool to shorten or lengthen an audio segment up to ten seconds. The unit does not require a variable speed tape deck. Hassle-free time compression; an added bonus of the BD980.

#60EV980 . . . . . **$5,495.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

SPECIAL NOTE TO BD955 OWNERS: Bradley and Eventide now offer a special $500 "trade-in" allowance. Use it to purchase the BD980, and still keep your older unit. Call 800-732-7665 for details.

EVENTIDE BD955 DIGITAL DELAY

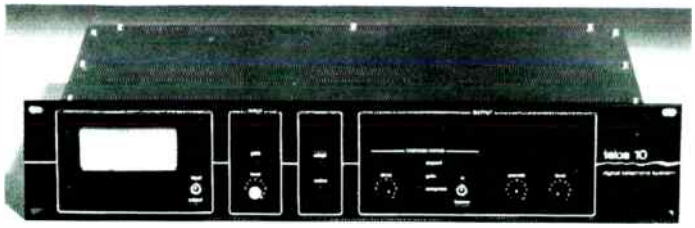
An excellent talk show delay machine–up to 6.4 seconds, with 15kHz response. Avoids startup problems by gaining delay interval during program pauses. "Dump" button removes objectionable material, but starts delay buildup immediately. Warning lights indicate if delay margin is insufficient. When not in use for your talk show, the BD955 can be used as a production tool, generating "doubling" and other short-delay effects.

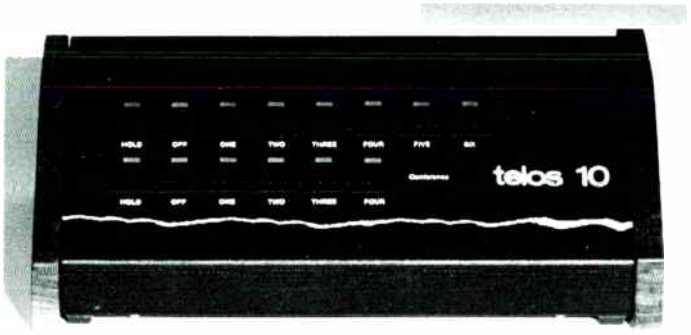
BD955 DIGITAL DELAY - with 15kHz response, 3.2 second delay.
#60EV9551532 . . . . . **$3,350.00**

BD955 DIGITAL DELAY - with 7.5kHz response, 6.4 second delay.
#60EV9557564 . . . . . **$3,350.00**

BD955 DIGITAL DELAY - with 15kHz response, 6.4 second delay.
#60EV9551564 . . . . . **$4,300.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.





TELOS 10 DIGITAL TELEPHONE HYBRID

In the two years since its introduction, over 150 Telos 10 users tell us virtually the same thing: "Its the hybrid that works!" Telos 10 is on network and local call-in shows, on television talk and news shows, and on the air in major markets throughout the country wherever air talent communicates via telephone.

The Telos 10 is simply superior in implementing the hybrid function. While other hybrids can only provide 18-20dB rejection on initial setup, and may degrade to 6-10dB as new phone lines are selected, the Telos consistently provides 30-40dB of rejection, call after call. There are two reasons for this: First, the hybrid automatically re-nulls to each phone line's impedance when a call is connected, perfectly balancing even complex first and second order impedance curves. Second, in operation, send and receive audio are digitized, and send audio is adapted, or mathematically removed from the receive path so better isolation is obtained.

To improve receive audio, notch filtering and an AGC/downward expander are employed to reduce hum and provide gain riding and noise reduction.

Installation and operation are simple. Audio connections appear on one connector, and a 50 conductor pigtail punches down in parallel with your phone lines. No set-up tweaking is required; merely set input and output levels, set the override control for full duplex or desired caller ducking level, and employ receive AGC expansion if desired.

Our many satisified users are the Telos 10's best advertisement: they'll all tell you, "Its the one that works!"

TELOS 10 HYBRID
#60TS10 . . . . . **$2,850.00**

TELOS 10 CONTROL CONSOLE
#60TSCSL **$250.00**

EVENTIDE BD931 and BD932 DIGITAL DELAY

For fixed delay at an even better price, these models can't be beat! All BD931 and BD932 series are 16kHz bandwidth, enabling the station to stay in delay during breaks, net feeds or newscasts. Full bandwidth plus 90dB dynamic range will never degrade your audio. 3.2 second or 6.4 second delay is available.

BD932 STEREO DELAY - with 3.2 second delay.
#60EV93232 . . . . . **$2,595.00**

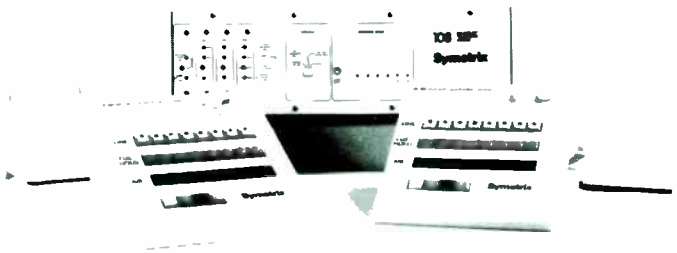
BD932 STEREO DELAY - with 6.4 second delay.
#60EV93264 . . . . . **$4,495.00**

BD931 MONO DELAY - with 3.2 second delay
#60EV93132 . . . . . **$1,795.00**

BD931 MONO DELAY - with 6.4 second delay.
#60EV93164 . . . . . **$2,295.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History



SYMETRIX MODEL 108 BROADCAST TELEPHONE SYSTEM

The Model 108 provides a sophisticated microprocessor based system for routing up to eight incoming telephone lines for talk shows and other telephone-to-air applications. The system consists of a rack mount controller unit and remote desk module. The controller incorporates three hybrids permitting up to six callers on the air at one time. All system control is performed by the desk module, and the unit can support a second module for use by a call director or in another studio.

Phone lines are seized, routed and released by the desk module. Complex switching may be accomplished by single keystrokes. LED indicators provide studio talent with complete status information, and a "profanity" button mutes all callers and can be interfaced with an external broadcast delay. The hybrid section incorporates "caller override" ducking and gated AGC circuitry.

#60SY108 ..... **$2,650.00**

ACCESSORY:

EXTRA CONTROL MODULE

#60SY108CTRL **$350.00**

ALSO AVAILABLE:

SYMETRIX MODEL 104 - This unit incorporates two hybrids and has a more basic call routing system than the Model 108.

#60SY104 ..... **$1,450.00**

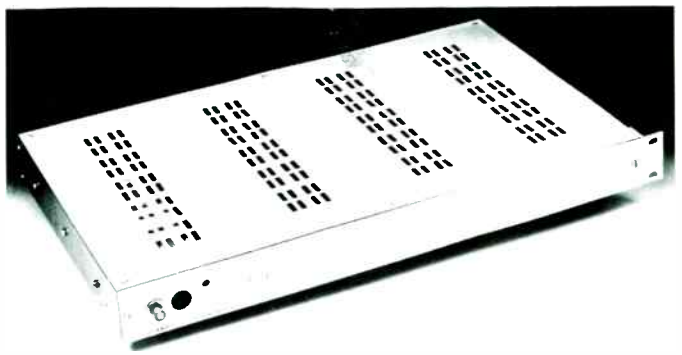
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

BROADCAST ELECTRONICS PC-1 TELEPHONE COUPLER

The PC-1 provides an easy, direct interface from most cartridge machines to a Telco line. Incoming calls are detected, and a start signal is relayed to the cart machine, which, will seize the phone line and play the recorded message to the caller. A modular jack attaches to the phone line; a separate jack and on/off line switch allows sharing the line with a single-line telephone handset. Built-in AGC allows operation with any input signal level from −20dB to +8dBm.

#60BRPC1 ..... **$195.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



STUDER AUTOMATIC TELEPHONE HYBRID SYSTEM

For talk show and conferencing applications requiring more consistent results than basic hybrids can afford, without the necessity of manual "tweaking", the Studer Automatic Telephone Hybrid system has become the standard by which all others are judged. Precision limiting and bandpass filtering on both the studio send and receive circuits insures excellent hybrid performance. Automatic nulling means that each call is optimized for best quality without the need for operator intervention. The system is available in single or dual configurations. Also available is the Studer Automatic Telephone System, which provides an internal mic preamp and an external control head with headphone output and VU meter, as well as separate output level mix controls for send and receive audio.

SINGLE HYBRID

#60SRSTH **$1,950.00**

DUAL HYBRID

#60SRDTH **$2,950.00**

AUTOMATIC SYSTEM

#60SRTAS **$2,540.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

GENTNER TC-100 AUTOMATIC TELEPHONE INTERFACE

The TC-100 is the most flexible telephone interface available today. In addition to functioning as a coupler and basic telephone hybrid, the TC-100 can automatically answer a line after a selectable ring count, and automatically disconnect upon standard line reversal signaling from the Central Office. Logic outputs are available for ring detect and off-hook conditions, and form-C relay contacts (momentary or continuous) also follow connection to the line. The coupler can also be manually placed on line either with a front panel switch or with a remote contact closure. With the optional DTMF decoder card installed, the TC-100 provides 100mA open collector outputs (BCD optional) for all standard touch tones, including the extended tones A, B, C, D. Additionally, the DTMF card can recognize dial-tone and disconnect, if desired. The possibilities are limited only by your imagination. Rack mounting available at no charge.

GENTNER TC-100 COUPLER

#60GETC100 ..... **$399.00**

ACCESSORY:

GENTNER TC-100 DTMF OPTION CARD

#60GETC100DTMF **$120.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

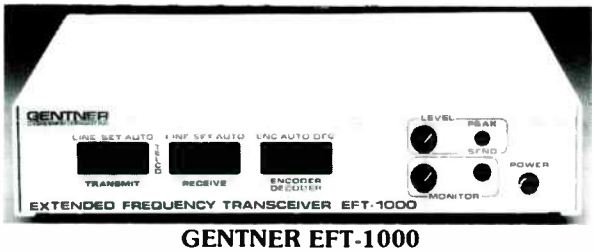
World Radio History

GENTNER TELEPROCESSOR

This bidirectional telephone audio processor is an excellent enhancement for any telephone audio application, including those using line extenders such as the Gentner EFT series. Automatic gain control on the send side allows a reduction in peak send levels, thus improving apparent hybrid performance. A built-in condensor mic and momentary push-to-talk switch allow sending voice cues to a remote location, while simultaneously muting the receive circuit. The receive side features adjustable Aphex high-frequency enhancement as well as a dual band shelving equalizer optimized for dial-up telephone bandpass characteristics. Balanced XLR lines in and out.(Note: Requires use of a coupling device as the Teleprocessor does not directly connect to the phone circuit.)

#60GETP **$499.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

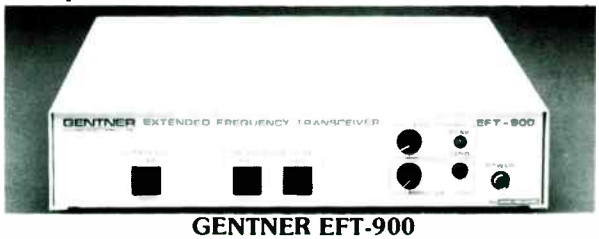


GENTNER EFT-1000

Those of you who enjoy the sport and challenge of getting Ma Bell to install a loop may find the EFT-1000 useful. The other 99% of us will find it essential. The EFT-1000 encoding and processing systems can produce very respectable remote quality using existing dial-up phone lines. Using a Comrex® compatible frequency shifting scheme, low frequency response for the system is typically good within 0.5dB all the way down to 50Hz. This restoration of low-frequency response imparts a "warm" character to the audio. On local dial-ups which have not been filtered for "ESS" central office switching, response can be usable out to 8kHz, depending on the particular lines in use. But even with ESS filtering, the EFT-1000's onboard Aphex enhancement convincingly simulates much of the high-frequency information lost in the filtering process. The system can be set up for single or bidirectional frequency extension using two dial-ups (half-duplex) or one dial up (full-duplex). The units can "handshake" using internally generated control tones to assure that both units are set for the same mode. Auto-answer, auto-disconnect, battery backup, and an internal headphone amp are also provided. Each unit provides both encoding and decoding functions and a pair of units is required for operation.

#60GEEFT1000 ..... **$1,599.00 per unit**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



GENTNER EFT-900

Where dual/redundant operation with automatic switching and remote control is not necessary, the EFT-900 deletes this hardware from the EFT-1000 design to provide a very cost-effective manually controlled single line frequency extender. The EFT-900 uses the same Comrex® compatible frequency shift system and Aphex® hi-frequency enhancement used by the EFT-1000, and provides full bi-directional operation. With its internal telco coupler, and amplifiers for mic input and headphone output, the EFT-900 is a complete high quality remote broadcast system

#60GEEFT900 ..... **$939.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

GENTNER SPH-3A

The SPH-3A is a basic, yet complete, hybrid telephone interface system which is ideal for newsrooms, production studios, or on-air telephone interviews. Its unique Wheatstone hybrid circuit is fairly insensitive to telco line impedance problems and typically provides a null on the order of 15-20dB. Main audio connections are XLR line-level, with a standard USOC RJ-11C jack for telco. Relative caller level, and the internal 2-watt studio monitor amp are controlled on the front panel. Set-and-forget trimmers are provided for telco send level and hybrid balance. The SPH-3A can seize the line and close your phone system A-lead via the front panel toggle switch or the remote control jack.

#60GESPH3A **$549.00**

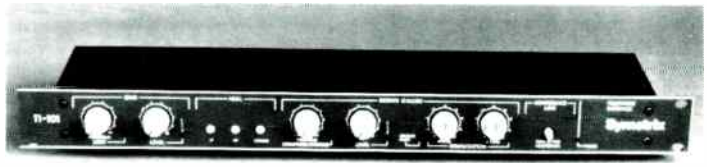
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

GENTNER SPH-4

The most flexible single-box telephone interface available, the SPH-4 internally provides all the functions you might otherwise find scattered around the studio in little black boxes. Remotable, illuminated pushbuttons for line status also key a cue "beep" to let the callers know they're on the air. The console feed is automatically muted in the "OFF" mode and whenever the "ON" button is depressed. The adjustable ducker circuit can be set anywhere from no gain change, to mild gain reduction, to a full "speakerphone" switching effect. The SPH-4 also provides an adjustable send-squelch system which can reduce the level of studio background noise hitting the hybrid. An internal alignment tone generator allows null adjustments to be made without the use of any external equipment. Recommended for teleconferencing.

#60GESPH4 ..... **$769.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



SYMETRIX TI-101

The TI-101 yields more performance per dollar than any other system in its price range. The unit functions as a conventional fixed hybrid with dual-constant null adjustments to allow more precise nulling than the classic "transformer hybrid". To enhance the performance of this basic design, input bandpass filtering and AGC protect your telco and reduce nulling problems. Output AGC and front panel receive equalization can clean up even "rotten feeds". Conferencing is possible with two units and the front panel conference button. Throw that old QKT in the parts bin where it belongs!

#60SYT101 ..... **$495.00**

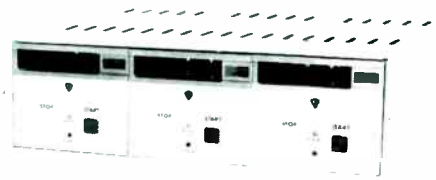
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

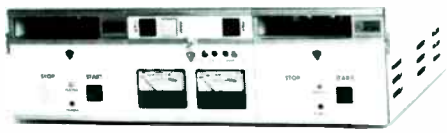
To help you choose the best hybrid, we offer an evaluation program to qualified users. Please contact Bradley for more details.

World Radio History

AUDI-CORD "E" SERIES

The Audi-Cord "E" Series is an intermediate priced cartridge machine with exceptional quality and features. These were designed by Carl Martin for ease of maintenance and superior reliability. The compact and modular design includes features such as replay reminder system and remote control capability. Available in table or rack mount versions at the same price. Twin decks incorporate a record/play unit with a playback only unit for individual or tandem operation. The three transport reproducers have independent operation of each deck.





Mono Record Play, 1 tone
#60ACA20 ..... $1,379.00
Mono Record Play, 3 tones
#60ACA21 ..... $1,419.00
Stereo Record Play, 1 tone
#60ACA25 ..... $1,619.00
Stereo Record Play, 3 tones
#60ACA26 ..... $1,659.00
Mono Playback Only, 1 tone
#60ACA10 ..... $819.00
Mono Playback Only, 3 tones
#60ACA11 ..... $849.00

Stereo Playback Only, 1 tone
#60ACA15 ..... $889.00
Stereo Playback Only, 3 tones
#60ACA16 ..... $919.00
Twin Mono Record Play, 1 tone
#60ACA50 ..... $2,219.00
Twin Stereo Record Play, 1 tone
#60ACA55 ..... $2,539.00
Twin Record Play Mono/Stereo
#60ACA56-1 ..... $2,449.00
Twin Mono Record Play, 3 tones
#60ACA51 ..... $2,279.00

Twin Stereo Record Play, 3 tones
#60ACA56 ..... $2,599.00
Mono 3-deck, 1 tone
#60ACA30 ..... $2,429.00
Mono 3-deck, 3 tones
#60ACA31 ..... $2,519.00
Stereo 3-deck, 1 tone
#60ACA35 ..... $2,629.00
Stereo 3-deck, 3 tones
#60ACA36 ..... $2,719.00

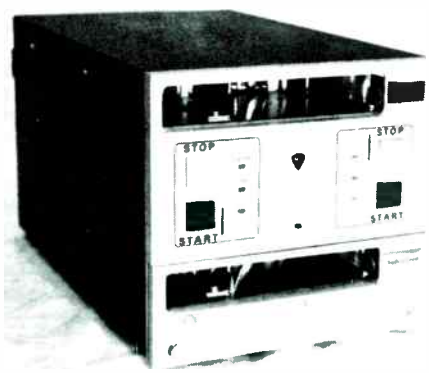
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

AUDICORD "S" SERIES

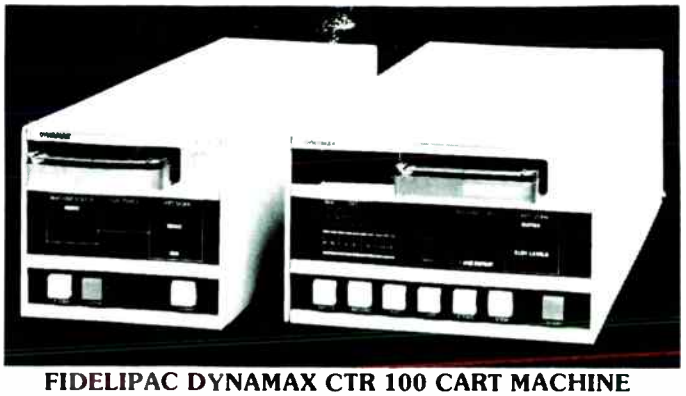
These Audicord cart machines contain convenient operating features, easy maintenance access, and rugged construction to keep pace with your operation. Three tones are standard. The thick aluminum deck is overlayed with stainless steel for a super wearing surface. Individually adjustable tape guides plus top adjusting, rugged head mounts permit precise internal guiding. Full +8dBm output (+20dBm clipping), complete remote facilities, and user selectable "fail-safe" functions. The record deck includes a four digit timer and single deck units are available in rack mount or tabletop at the same price. The twin deck uses the lower side of the motor to drive the second slide-in deck. The premium A.C. Hysteresis Synchronous Motor and Audi-Cord design innovations allow true "twin deck" operation.

MONO PLAYBACK
#60ACS11 ..... $1,029.00
STEREO PLAYBACK
#60ACS16 ..... $1,119.00
MONO RECORD/PLAYBACK
#60ACS21 ..... $1,799.00
STEREO RECORD/PLAYBACK
#60ACS26 ..... $1,989.00
MONO TWIN DECK
#60ACTDS1 ..... $1,499.00
STEREO TWIN DECK
#60ACTDS6 ..... $1,679.00
ACCESSORY:
RACK SHELF FOR TWIN DECK
#60ACRS $39.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



World Radio History



FIDELIPAC DYNAMAX CTR 100 CART MACHINE

The Dynamax Cartscan system uses an optical sensor which allows intermixing different types of carts (recorded at different bias, equalization and levels) as well as carts recorded in mono, discrete stereo and matrix stereo. Additionally, the cartscan system will activate an external function. Fixed speed of 3.75, 7.5 and 15 ips can be varied within 30%. This variable speed function is designed to enable the cart machine to be interlocked with other devices using SMPTE controller or 9,600Hz based synchronizer. Comprehensive status panels display relevant machine status information. Standard features include splice finder, 12-tone test generator, fast forward, cleaning switch to activate pressure roller without cartridge insertion, and on record machines, multi-function meter and clock. Intelligent cartridge deck architecture and excellent audio specifications. Rack shelf and Maxtrax heads optionally available.

MONO PLAYBACK ONLY
#60FPCTR111 ..... $2,085.00
STEREO PLAYBACK ONLY
#60FPCTR112 ..... $2,265.00
MONO RECORD/PLAY
#60FPCTR123 ..... $3,505.00
STEREO RECORD/PLAY
#60FPCTR124 ..... $3,810.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

DYNAMAX CTR30 THREE DECK

Fidelipac has introduced an impressive series of innovations in their Dynamax machines. Now the CTR30 three-deck has record electronics built-in as standard equipment on every unit. The CTR30 recorder/reproducer utilizes the same premium record and playback electronics as the CTR10 and many of the same features. The built-in record electronics make it possible to record one cartridge while simultaneously playing two others. Rugged, and compact enough to fit three accross in a 19" rack.

CTR-33 MONO THREE DECK
#60FPCTR33 ..... $3,975.00
CTR-34 STEREO THREE DECK
#60FPCTR34 ..... $4,375.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

FIDELIPAC CTR-10 SERIES CART MACHINES

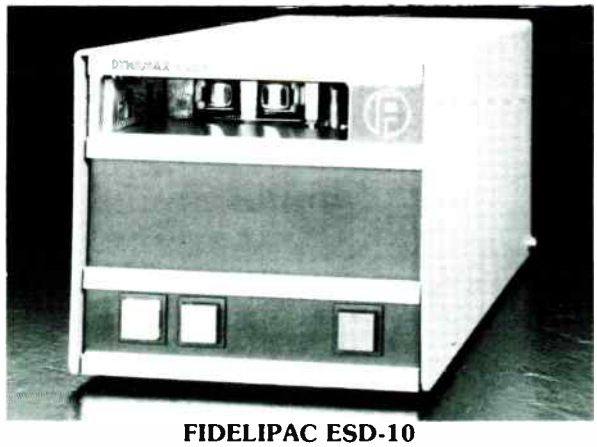
These machines from Fidelipac retain the excellent performance and use characteristics of the CTR-100 Series, while omitting some features not needed by most users. Superior construction has earned the CTR-10 wide industry acceptance.

CTR-10 units do include all of the following standard features:

- Fast forward
- Secondary and tertiary cue tones
- Audio switcher/mixer
- Cart played indicator/replay lockout
- High speed re-cue
- Switch-selectable audio/test metering

MONO PLAYBACK ONLY
#60FPCTR11 ..... $1,375.00
STEREO PLAYBACK ONLY
#60FPCTR12 ..... $1,525.00
MONO RECORD/PLAY
#60FPCTR13 ..... $2,270.00
STEREO RECORD/PLAY
#60FPCTR14 ..... $2,470.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



FIDELIPAC ESD-10
CART ERASER AND SPLICE FINDER

Bulk erasing carts is about the last place where you'd expect to find a big R & D effort in the 1980's. But the Fidelipac crew decided that the old-fashioned technique of using a huge erase coil under the deck of a splice finder just couldn't produce satisfactory results and could damage the tape pack of your carts. The new ESD-10 uses two dual gap high current erase heads for absolutely complete erasure of even the newest high coercivity tape formulations. Without the traditional "subterranean flux monster" erase coil, tape tension is totally unaffected by the erase process, and you can even put the ESD-10 right next to an on-air playback deck without worrying about stray flux causing hum on the air. Fidelipac's unique solenoid servo system uses the pinch roller itself to detect the splice, flawlessly, with no adjustments.

#60FPESD10 ..... $1,050.00

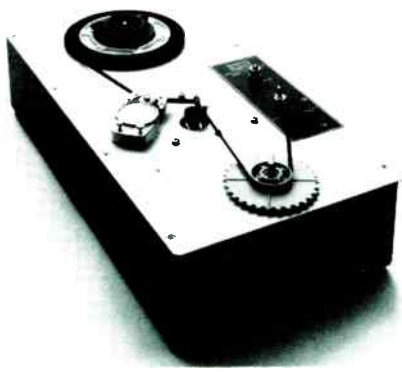
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

BROADCAST ELECTRONICS 5300B PLUG-IN THREE DECK

The unique mechanical design of the 5300B incorporates precision machined one-half inch thick plug-in decks and an exacting cartridge guidance system. The Phase Lok IV head brackets have a non-locking azimuth adjustment, independent of the height and zenith adjustments, for optimum stereo phasing. Direct-drive hysteresis synchronous motor yields long term speed stability. Advanced electronics are on plug-in cards, with all gold-to-gold contacts. Secondary and tertiary cue tones are available by changing a PC card, enabling their addition in the field. Optional audio switcher provides a single, balanced output from up to three machines, muting all but the most recently started deck. Separately housed recorder is available in stereo or mono. Rack mounts optional.

MONO, WITH ONE TONE
#60BR5301B $3,100.00
MONO, WITH THREE TONES
#60BR5302B $3,300.00
STEREO, WITH ONE TONE
#60BR5303B $3,600.00
STEREO, WITH THREE TONES
#60BR5304B $3,800.00
MONO RECORD UNIT
#60BR5309 ..... $1,150.00
STEREO RECORD UNIT
#60BR5310 ..... $1,350.00
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



BROADCAST ELECTRONICS CART TAPE WINDER

Many stations choose to wind their own tape cartridges. Old cartridges with satisfactory shells may be reloaded or you can create carts at special lengths to suit your programming requirements. This winder from BE runs at 22½ ips and is rugged and dependable. Available with a timer. Bradley can supply empty carts, lube tape, and supplies from all major manufacturers.

TW-120 WINDER
#60BRTW120 ..... $345.00
OPTION:
TW-120 WINDER WITH TIMER
#60BRTW120T $470.00

BROADCAST ELECTRONICS SERIES 3000 CART MACHINES

Rigid quality control and a long record of reliability have earned the Series 3000 cart machines worldwide user acceptance. Modular PC boards, plug-in IC's and high reliability potentiometers simplify service. Quality switches and Duracore heads mean rugged operation. The solenoid design and direct drive hysteresis-synchronous motor provide stable, cool and quiet operation. Options include automatic/manual fast forward, secondary and tertiary cue tones, audio switcher, remote control panels, and rack mounts.

MONO, PLAYBACK ONLY
#60BR3100P $1,300.00
STEREO, PLAYBACK ONLY
#60BR3100PS $1,450.00
MONO, RECORD/PLAY
#60BR3200RP $2,275.00
STEREO, RECORD/PLAY
#60BR3200RPS $2,625.00
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

BROADCAST ELECTRONICS SERIES 2100 CART MACHINES

The 2100 Series provides top cart machine quality at a very affordable price. Modular in construction, these machines incorporate the Phase Lok IV head assembly, direct drive transport, ½" aluminum deck and high performance electronics. Two tones (1kHz and 150Hz) are standard. Stereo machines may play cartridges previously recorded on mono machines with output provided on both channels. Compact and durable, these machines may be rack mounted three across with optional hardware.

MONO, PLAYBACK ONLY
#60BR2100P $1,175.00
MONO, RECORD/PLAY
#60BR2100RP $1,795.00
STEREO, PLAYBACK ONLY
#60BR2100PS $1,275.00
STEREO, RECORD/PLAY
#60BR2100RPS $2,095.00
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

OTARI CTM-10 SERIES CARTRIDGE MACHINE

Any new entry into the competitive cartridge machine field must offer unique and useful features, plus excellent reliability. Otari, whose quality is now a tradition in broadcast, introduces the CTM-10 series, available in three packages. In addition to mono record/play and stereo record/play machines, a mono/stereo play only unit is available to allow stations to upgrade to a stereo system without purchasing new machines. It features both mono and stereo playback heads. The record module is the same for both mono and stereo use.

Unique features include: matrix stereo operation for improved phase-stable operation, dolby HX-Pro™ bias optimization circuitry, three tape speeds, varispeed, and front panel head azimuth adjustment. All units also include minutes/seconds timer, optical splice finder, and front panel cue phones jack.

The cue track may be assembled or altered independently of the audio, a real time saver! Also, SMPTE/EBU or FSK logging information may be independently recorded on the cue track for automated bookkeeping or use with time-code synchronizers. The record unit also includes a 5-tone test oscillator and standard record level switch. Active balanced inputs and cross-coupled outputs assure finest recording quality, plus separate low frequency reproduce EQ is provided to give full-range response control. This feature packed machine is compact, too, allowing any three types of machines to be rack mounted side by side. A full complement of controls, status indications and audio/cue metering make these machines versatile and easy to use and maintain. Destined to be a broadcast standard, the CTM-10 is ready now for your station.

CTM-10 MONO R/P UNIT (Less record electronics)
#60OTCTM10M $2,642.00
CTM-10 STEREO R/P UNIT (Less record electronics)
#60OTCTM10S $2,992.00

CTM-10 RECORD ELECTRONICS
#60OTCTM10R $1,303.00
MONO/STEREO PLAYBACK UNIT
#60OTCTM10P $2,770.00
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

AUDIOPAK BROADCAST CARTRIDGES

Audiopak, from Capitol Magnetics, has two lines of cartridges. The A2, an industry standard, features precise tape guidance and bracing. The A4 boasts the SGS-4 tape formula, which provides superior electromagnetic properties in a high-output, low noise tape. The AA3 cartridge, now discontinued, is still available until current manufacturer stock is depleted.

Call for pricing and ask about our volume discounts.

Empties and lube tape available.

(1) FIDELIPAC HEIGHT GAUGE
#60FP326 ..... $28.00
(2) FIDELIPAC RIGHT ANGLE ZENITH GAUGE
#60FP387 ..... $33.25

NORTRONICS PF-710 CARTRIDGE ZENITH/HEIGHT GAUGE

Provides three adjustment measurements with one gauge: zenith, track height and tape guide position. Zenith adjustment accuracy exceeds NAB standard, height to +0.001" accuracy.

#61NOPF710 ..... $38.00

NORTRONICS PF-720 ADJUSTABLE TAPE HEIGHT GAUGE

This gauge adjusts to any desired value to check tape guides and rollers. Useful for checking height consistency, the PF-720 has a locking thumbscrew to prevent movement during use.

#61NOPF720 ..... $38.00

3M SCOTCHCART II

As programmers and engineers have known for years, the primary limiting factor in cartridge tape reproduction has been the cartridge itself. 3M, the industry leader in recording tape technology, has developed a cartridge that delivers reel-to-reel performance and useful life up to three times greater than ordinary cartridges. Part of the reason is the tape itself—a formulation based on high-quality mastering tape, with a special polished surface which nearly eliminates oxide shedding, and reduces head and guide wear. The cartridge features a natural tape path exit which results in extended tape life and less edge damage, because the tape is not "bent" out of its normal shape by the cart. Concave guides and no pressure pad design mean accurate tape guidance, less wear on tape and equipment, less phase jitter. A large center hub with non-rotating platter allows less loop change, lower flutter and mechanical noise, and a more accurate cue-up. The life extension cam enables adjustment of tape tension on an occasional basis, permitting extended cart life and improved cart-to-cart consistency. Call for pricing and information on our volume discounts.

SWA 3D/RP RETROFIT CARD

If you currently own an ITC® 3D or RP series cartmachine that is mechanically reliable but sonically disappointing, we have an alternative to replacing the deck. The Straight Wire Audio 3D/RP is a direct, plug-in replacement preamp guaranteed to bring the performance of these decks up-to-date. Available in mono, stereo, and stereo with matrix decoder, these preamps can make your Premium Series machines sound better than new at an amazing low price!

MONO PREAMP
#60SW3DRPMN $176.00
STEREO PREAMP
#60SW3DRPST $299.00
STEREO PREAMP WITH MATRIX DECODER
#60SW3DRPMX $334.00
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

FIDELIPAC BROADCAST CARTRIDGES

300 SERIES - The original popular priced Fidelipac Cartridge is ideal for general production and music recording in monaural. Loaded with DYN-400 standard bias tape.

MASTER CART I - Phase-stable cartridge body for stereo recording, loaded with DYN-400 standard bias tape for compatibility at facilities intermixing with 300 Series carts.

MASTER CART II - This Mastercart Series features improved tape guidance for stereo, and is loaded with DYN-500 Series high-output, low noise tape for highest recording quality.

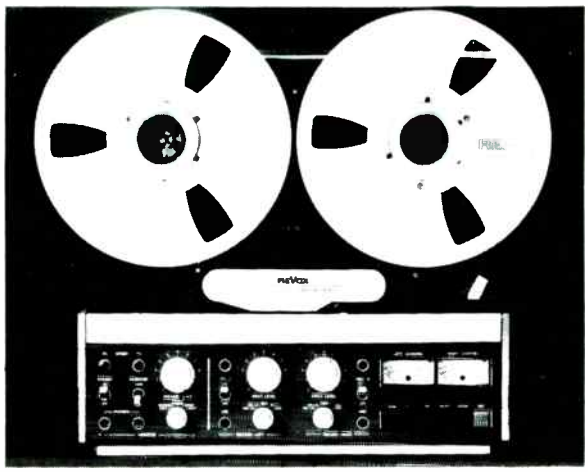
*Fidelipac carts are available in standard lengths from 20 seconds to 10.5 minutes, also empty for station loading. Call Bradley for current pricing and details on our volume discounts.

MRL CARTRIDGE TEST TAPES

Bradley and MRL team up to provide you with a comprehensive series of cartridge test tapes. We provide these tapes loaded into the Audiopak, Fidelipac or Scotchcart shell that you use at your station to insure accurate machine setup. The multi frequency tape is the most widely used for reproducer gain, head azimuth, and frequency response calibration. Also available are single frequency tapes and fast and slow frequency sweeps at the same price. A number of custom tapes are available, and all tapes can be provided unloaded. These full-track, master recordings, with cue track erased are suitable for mono or stereo players.

MULTI FREQUENCY TEST TAPE
AUDIOPAK LOADED
#60MLS211AP $65.00
SCOTCHCART LOADED
#60MLS211SC $65.00
FIDELIPAC 300 LOADED
#60MLS211300 ..... $65.00
FIDELIPAC MASTER CART (I or II) LOADED
#60MLS211MC $65.00
UNLOADED
#60MLS211 ..... $50.00

World Radio History

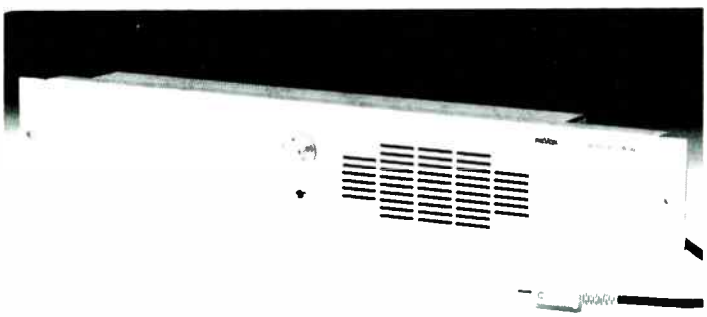


REVOX B-77

Designed for ease of operation. The transport uses light touch, computer grade pushbuttons which activate a sophisticated electronic control system. Tape motion is constantly sensed automatically, and a protective circuit ensures that you will never snarl or snap a tape even if you go directly from fast forward into play. The logic circuitry will store the playback instruction and execute it only after the tape has come to a complete stop. The two reel motors are triac-controlled, with a tension switch providing optimum torque for either large or small reels. The capstan is direct-driven through a servo-mechanism that ensures constant, accurate speed, even in the presence of power line fluctuations.

#60REB77 . . . . . **$2,250.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



REVOX ACCESSORIES

METAL ROLL AROUND CONSOLE - For all Revox machines.
#60RE34500 . . . . . **$475.00**

METAL ROLL AROUND CONSOLE WITH UTILITY SHELF
#60RE34500S **$570.00**

MONITOR PANEL - Two rack-space panel connects to PR-99 via DIN connector. Speaker, volume control and input selector. Can be mounted in roll around stand.
#60RE34509 . . . . . **$285.00**

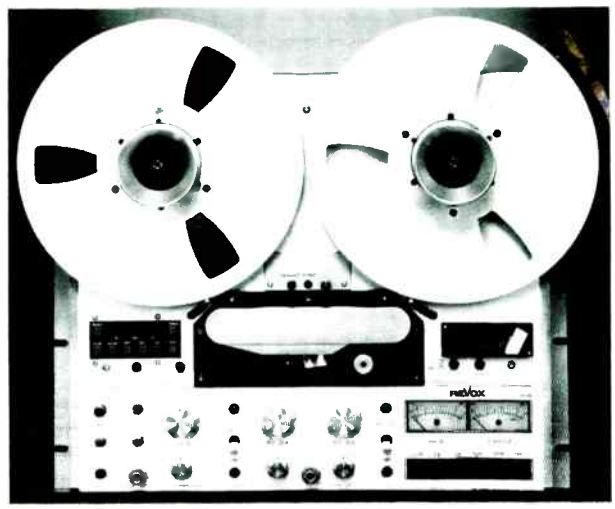
REMOTE CONTROL - For PR99 and B77.
#60RERC **$275.00**

RACK MOUNT ADAPTER - For B77.
#60RE34099 . . . . . **$50.00**

NAB ¼" HUB ADAPTERS - One pair.
#60RE45001P **$48.00**

METAL NAB ¼" HUB ADAPTERS - One pair. Oversized for ease of editing.
#60RE45010P **$130.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



REVOX PR-99 MKII

The PR-99 MKII incorporates cost effective performance with operating features that make it unique in its class. The chassis and frame side members are solid aluminum alloy die castings for structural rigidity and stability of mechanical alignments. Revodur heads are mounted onto a precisely machined headblock assembly, and electronics are modular for ease of access. Real time tape counter automatically recomputes the correct value after tape speed change, and features a zero locator, single address locator, and the ability to play and rewind between two tape locations. Variable tape speed has a half octave range. This half track stereo machine includes two-way sel-sync, complete editing facilities, automatic sync/input switching, balanced (XLR) line in/line out with calibrated/uncalibrated level adjustment, and tape dump feature. Panel adjustments ease reproduce level and high frequency EQ adjustments. Available with 15-7½ IPS or 3¾-7½ IPS speeds, the PR-99 MK-II is standard with 19" rack mount. For production or master control, the PR-99 MKII is an excellent choice.

#60REPR99 . . . . . **$2,799.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

STUDER A812

The new Studer A812 is a workhorse recorder/reproducer with the ideal combination of advanced processor control and practical ergonomics. Developed for broadcast applications, the transport of the A812 offers unsurpassed tape handling. The keyboard and alphanumeric display of the processor control are front panel accessible, offering digital storage and retreival of all audio parameters (no trim pots), varispeed and command key programming. Shuttle control, auto-locator, four speeds, transformerless balanced inputs and outputs, precision electronics based on Studer's top of the line A820. Designed for your most critical recording applications the A812 is standard with overbridge metering and roll around console. Options include center track time code, serial interface, and numerous remote control options.

A812 TWO TRACK STEREO IN CONSOLE
#60SRA81222VUK **$9,950.00**

A812 TWO TRACK STEREO WITH TIME CODE IN CONSOLE
#60SRA8122TCVU **$12,650.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

STUDER A-807

The ne' Studer A-807 is the highest quality, most versatile compact tape machine available. Naturally, it incorporates the precision construction, superior electronics, and exemplary tape handling for which Studer is famous. Transport functions and audio electronics are microprocessor controlled. Alignment pots are eliminated, as the A-807 is calibrated via keypad in reproducible, digital values.

For editing, the A-807 is a dream come true. Features include a shuttle control, one-handed cueing capability, built-in monitor speaker, and three standard speeds plus vari-speed. The real-time counter is complemented by a zero-locator, a single address auto-locator, a loop function (for repetitive play of a specified segment) and a Location Start function to search the last location that Play or Record was initiated. The Backspace mode is used for momentary rewind followed by play, and reverse play, spooling mode, and tape dump are also available. Two "soft" keys may be programmed for additional auto-locator addresses, lifter defeat, and/or fader start.

Transformer balanced and floating inputs and outputs may be operated in calibrated (for normal studio level) or uncalibrated (front panel adjustable) modes. The input section permits the mixing of each channel's line and mic inputs, and the mic inputs have phantom power available. Dolby HX Pro* circuitry is incor porated for optimum dynamic range. All transport functions of the A-807 may be controlled via the parallel and serial interface ports, and the serial port may be used for calibration as well.

All of this flexibility, efficiency, convenience, innovation and reliability are standard. The A-807 is ideal for the broadcast control room, the recording studio and field production. No, the price below is not a typographical error. Bradley Broadcast offers Studer excellence at a remarkably affordable price.

A-807 RACK MOUNT VERSION

#60SRA807VU $5,450.00

A-807 WITH WOODEN SIDE PANELS, IN ROLL-AROUND CONSOLE

#60SRA807VUK $5,950.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

STUDER A-810

The design of the A-810 represents a high-performance, yet throughly down-to-earth application of the best in modern technology. For example, all alignment adjustments are accomplished using up/down pushbutton controls, with separate memories provided at each of four speeds, each of two tape types and each of two alignment standards (NAB and IEC). Grand total: 16 separate user alignment memories available. Four transport "softkeys" may be programmed for the user's choice of special functions such as lifter defeat, tape dump, locate-start, or access to any of four onboard autolocate memories. Options for SMPTE center-track time code and addressed RS-232 capability give the A-810 an unusually powerful system orientation for use with automation, editors, and synchronizers. The large LED realtime tape-counter display doubles as a display for automatic self-test and diagnostic messages. A precision-milled die-cast chassis insures that this machine is every bit as tough as it is smart. Of course, in the remote event that your A-810 might need service or adjustment, every Studer machine sold is backed up by the fast, efficient technical and parts support for which Studer and Bradley are known! Many different versions of the A-810 are available. Call Bradley Broadcast Sales to find out why the Studer A-810 is the standard by which others will be measured in the years to come.

TWO TRACK STEREO, RACK MOUNT

#60SRA81022VU $7,790.00

TWO TRACK STEREO, IN CONSOLE WITH OVERBRIDGE

#60SRA81022VUK $8,650.00

TWO TRACK STEREO, TIME CODE, RACK MOUNT

#60SRA81022TC $9,800.00

TWO TRACK STEREO, TIME CODE, IN CONSOLE WITH OVER-BRIDGE

#60SRA81022TCK $10,850.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

TASCAM 40-SERIES

Designed for performance and reliability in professional production applications, Tascam 40-Series machines are built like tanks (try to pick one up some time!). The 40-Series encompasses ¼" two and four-track machines, as well as a ½" eight track format. Full servo control of all transport motion (not just the capstan) provides fast, smooth, and responsive tape handling characteristics. The special back drive ceramic capstan system eliminates oxide scuffing and dropouts, as well as preventing transmission of motor heat or residual magnetism to the tape. To wind tape under constant tension for storage and minimum print through, a special "spooling mode" winds tape smoothly at eight times normal speed in either forward or reverse. All of the 40-Series machines are plug compatible with SMPTE based synchronizers using 12Hz tach reference. ±12% pitch control or external controller may be enabled from the front panel. To accommodate numerous recording environments and applications, the 40-Series utilizes both PRO (XLR) and IHF (RCA) formats, as well as either 250nW/m or 320nW/m reference fluxivity levels (switchable). For rapid and efficient editing work, a 4-digit LED tape counter with search-to-cue and return-to-zero functions is provided, along with a splicing block mounted immediately below the flip-up head cover. Complete documentation including service manuals and diagrams is supplied with each Tascam machine, making set-up, alignment and operation a breeze.

42B TWO TRACK, ¼"
#60TE42 ..... **$2,695.00**
44-0B FOUR TRACK, ¼"
#60TE44 ..... **$2,995.00**
48-0B EIGHT TRACK, ½"
#60TE48 ..... **$4,495.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM ACCESSORIES

RACK MOUNT KIT FOR 30 SERIES RECORDERS
#61TERM300 ..... **$46.00**
RACK MOUNT KIT FOR 40 SERIES RECORDERS
#61TERM501 ..... **$48.00**
REMOTE CONTROL FOR 30 AND 40 SERIES RECORDERS
#61TERC71 ..... **$72.00**
NAB REEL HUB ADAPTERS - One Pair
#61TETZ612B **$16.00**
RC-30P FOOT CONTROL - A basic "punch-in" footswitch for the following models: 32, 34, 225, 234, 246 and Ministudio.
#61TERC30P **$22.50**
DX-2D DBX PROCESSOR - A two channel simultaneous encode/decode noise reduction unit using dbx type one circuitry.
#61TEDX2D **$275.00**
DX-4D DBX PROCESSOR - A four channel simultaneous encode/decode noise reduction unit using dbx type one circuitry.
#61TEDX4D **$509.00**

TASCAM SERIES 30 RECORDERS

Series 30 Recorders come in 2, 4 and 8 channel versions, designed for professional production needs at an economical price. All Tascam multi-track machines are designed "from the ground up" for maximum performance. Tascam, a leader in tape head technology, designs and builds its own heads to extremely tight tolerances, matching their characteristics closely to associated record/reproduce circuitry for precise frequency response, quieter erasure, and higher output levels before saturation level is reached. Standard features include servo-controlled capstan motor with ±12% pitch control, full motion sensing with dynamic reel braking (for precise tape handling), 10½" reel capacity, return-to-zero cue function, and dump/edit capability. The two and four track versions are 7½/15 IPS quarter-inch format with NAB equalization convertable to IEC standards. The 38 is 15 IPS only, with half-inch tape format and IEC equalization. RCA inputs and outputs at -10dBv IHF standard.

MODEL 32 2-TRACK
#60TE32 ..... **$1,495.00**
MODEL 34B 4-TRACK
#60TE34B **$1,795.00**
MODEL 38 8-TRACK
#60TE38 ..... **$2,750.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM ROLL-AROUND CONSOLES

These consoles are predrilled to hold equipment up to 11 EIA rack spaces (19¼"). The CS-607B has an additional four rack spaces (5¼") built into the pedestal base for additional electronics. These racks are appropriate for your Tascam or other mountable equipment.

CS-607B CONSOLE STAND
#61TECS607 ..... **$259.00**
CS-605 CONSOLE STAND
#61TECS605 ..... **$179.00**

World Radio History

OTARI MARK III SERIES RECORDERS

This popular series of recorders features tabletop or console mount design, with record electronics in an overbridge for convenient operation and easy access to the head stack for editing. All machines incorporate real-time counter display with return-to-zero and search-to-cue functions, servo capstan, and dual oscillator for quick setup. The Mark III-4 and Mark III-8 have pushbutton controls to select any combination of channels for headphone monitoring. All machines come standard at 7½ and 15 IPS; the 4 and 8 channel versions use ½" tape format. A full complement of accessories are available to enhance the value and efficiency of your Otari recorder.

MARK III 2-CHANNEL
#60OT5050MK32 ..... **$3,295.00**

MARK III 4-CHANNEL
#60OT5050MK34 ..... **$4,795.00**

MARK III 8-CHANNEL
#60OT5050MK38 ..... **$5,835.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

OTARI ACCESSORIES

RACK MOUNT KIT - For MX5050B-II
#60OTRK2B **$50.00**

METAL ROLL-AROUND STAND - For all Otari recorders. Specify model.
#60OTZA52L **$350.00**

CB-102 REMOTE CONTROL - For all MX5050 machines.
#60OTCB102 ..... **$150.00**

NAB ¼" HUB ADAPTERS - One.
#60OTTW670 ..... **$20.00**

SMALL REEL CLAMPS - One pair.
#60OTZA52Y **$24.00**

CB-116 AUTOLOCATOR - The CB-116 is specifically designed to enhance the production efficiency of the Otari Mark III Series tape machines by automating time-consuming search and shuttle operations. A microprocessor system manages eight location memories consisting of six cue memories and two guardpoint memories. Locations are displayed in hours/minutes/seconds (up to 9:59:59) on a tape-accurate real-time ¼" LED display. Each memory has its own search and store buttons, and an "in use" indicator to prevent accidentally writing over a stored location. Also features looping, automatic time-offset calculation, Autoplay, Autostop, Autorecord, and Calibrate functions.
#60OTCB116 ..... **$895.00**

CB-110 SESSION CONTROLLER - For Mark III-8. Remotes transport control, input/reproduce/sel-rep selection for each channel and LED display.
#60OTCB110 ..... **$750.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

OTARI MX5050 B-II

A compact, two channel ¼" format recorder that is an acknowledged standard of the broadcast industry. The B-II preserves the features of the original "B" and adds many new desirable ones, including microprocessor controlled real-time counter, memory rewind with LED display, dual frequency test oscillator (1 and 10kHz) plus external oscillator input, plug-in head stack with four-head design and active balanced line inputs and outputs. These features, plus pitch control, three speed operation, selective reproduce and built-in splicing block, combine to make a rugged, reliable machine with a well-deserved reputation as a leader in its field. Half-track record play with quarter track playback capability.

#60OT5050B **$2,595.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

OTARI MX5050 BQ-II

The ¼", 4-channel version of the 5050 Series recorder. The BQ-II enables you to make multi-track recordings on economical ¼" tape with excellent crosstalk and distortion specs. Microprocessor-governed tape handling circuitry incorporates motion sensing, dynamic braking and reel-size compensation. A hinged front panel assembly allows easy access to electronic adjustments behind the front panel.

#60OT5050BQ2 ..... **$3,595.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

STUDIO EIGHT

The Tascam Studio Eight is a unique combination of eight track open reel fidelity and cassette convenience and is an extremely versatile tool for creative people from musicians, arrangers and composers to film video producers.

An 8 track open reel recorder, 8 channel fully assignable mixer, SMPTE EBU interface, and a microprocessor controlled "Load" function combine to make the Tascam Studio 8 a production system of trememdous power and flexibility. Once a seven inch reel of tape is threaded on the Studio 8, its Load function ensures that the tape will never run off the reels no matter what transport mode is in use. Thus, the tape can be manipulated with cassette-like ease while the fidelity and editing flexilibility of the open reel is retained.

The Studio 8 contains an 8-channel mixer with 8 program busses and 8-channel monitor capability. The mixer also has a separate stereo buss that can be used for remix or as a solo buss during multitrack work. Any channel of the mixer may be recorded on any or all tracks of the recorder at any time due to a unique combination of assign and record functions switches. An auxiliary buss system can be used as an additional cue or effects mix and the stereo effects mix system accommodates the latest signal processors. The mixer's equalizer is a 3 band sweep-type parametric system to precisely control frequencies from 50Hz to 15kHz.

Return to zero, search to cue, and real time counter are just some of the sophisticated recorder functions of the Studio 8. Three motors with full servo-controlled mechanism are utilized. Noise problems are handled by the unit's dbx system that has a separate track 8 defeat switch so the SMPTE/EBU or other time code material can be recorded on track 8. Even with time code on track 8, track 7 may be used for audio with absolute confidence that the time code will not bleed into the adjacent track.

#60TE388 . . . . . **$4,495.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM 234 SYNCASET

This rugged 4-track, 4-channel cassette machine has substantial production power. High speed operation (3¾ IPS) and dbx II noise reduction result in increased headroom and dynamic range. The microprocessor controlled transport reduces tape stretching and wow and flutter. Mic and line inputs are present for each channel. Synch mode eases overdubs and inserts, and the "block repeat" function enables continuous play and rewind between two selected points. Pitch control and electronic tape counter are also included in this rack mountable unit. Remote operation is available with the RC-71 full transport remote control or the RC-30P foot switch which provides for punching in and out of the record mode.

#60TE234 . . . . . **$949.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM PORTA-ONE "MINISTUDIO"

The Porta-One Ministudio from Tascam is a portable, battery-operated 4-channel audio mixer/recorder designed for tough field work and convenient operation. Significant features of the Ministudio are the 4-track cassette recorder's standard 1⅞IPS speed allowing playback of standard stereo cassettes, the ability to assign one or all four channels to any track, and its switchable dbx noise reduction. An invaluable tool for field recording, interviews for radio, videos, or shooting film on location. A recorded piece may be mixed down to stereo or all four tracks transfered to a larger format studio machine. Each channel has a 2-band EQ with center detent plus pan. Accidental erasures are no longer a problem with the Record Matrix switches. Off-speed recording is prevented by the flashing "low battery" power indicator LED.

#60TEMS **$595.00**

ACCESSORY:
AC ADAPTER

#60TEPSP1 . . . . . **$35.00**

ALSO AVAILABLE:

PORTA-TWO MINISTUDIO - This new unit, similar to the Porta-One, incorporates a six-channel mixer with more flexible assignment to the four track recorder and sync capabilities.

#60TEP2 . . . . . **$895.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM 246 "PORTASTUDIO"

The Tascam 246 Portastudio is a portable, completely self-contained four-track production system that is AC powered. The 246 combines a full function 6 x 4 x 2 mixer and a two speed, four-track recorder with dbx noise reduction.

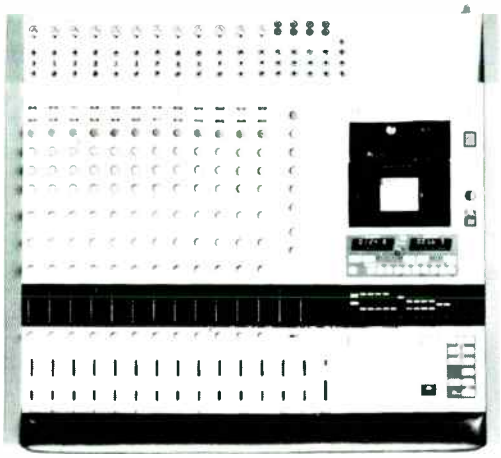
Two speed operation and a dbx defeat switch allow tapes made on other cassette machines to be played on the 246, and vice-versa. Memory transport functions and a zero return allow sections of the tape to be repeated automatically for rehearsing punch-ins, overdubs or remixes. The Porta-studio may also be controlled by the RC-71 remote transport controller or the RC-30P record punch-in footswitch.

Any of the six channels of the mixer may be recorded by any or all of the four tracks of the Portastudio recorder at any time. A stereo effects system and stereo monitor mixer system are also provided. In addition to the four meters that are automatically switched to register the signal level in the four busses or four recorder tracks, the 246 also has a pair of meters that can be switched to read the stereo buss, monitor outputs, or effects outputs.

#60TE246 . . . . . **$1,495.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History



AKAI MG1214 MIXER/RECORDER

The AKAI MG1214 incorporates a twelve channel mixer and 14 track recorder using their exclusive half-inch cassette format. A powerful, yet simple to use system, the MG1214 recorder has 12 available audio tracks, a SMPTE track, and an internal control track. Assignment of mixer channels to recorder tracks involves a single button eliminating cumbersome patching. The mixer includes balanced XLR mic inputs, input trims and pads, three band EQ, two independent effects sends with stereo returns, insert points, in-line track monitors, and multi-colored LED bar-graph meters on each channel. The recorder incorporates a highly stable transport design and dbx Type 1 noise reduction. The nine location auto locator lets you perform multi-point search to cue, auto punch-in/punch-out (with 0.1 second accuracy), playback mute and much more. Recording time of up to 20 minutes is available, and the tape heads are warrantied for 15,000 hours. Excellent system specifications, compact design, and economical price recommend the MG1214 for a multitude of production situations.

#60AKMG1214 ..... **$8,995.00**

ACCESSORIES:

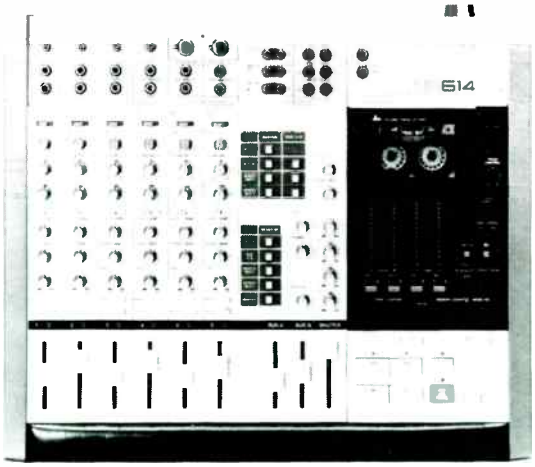
STAND WITH CASTERS

#60AKSDX12 ..... **$299.00**

MK-20 ½" CASSETTE

#60AKMK20 ..... **$29.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

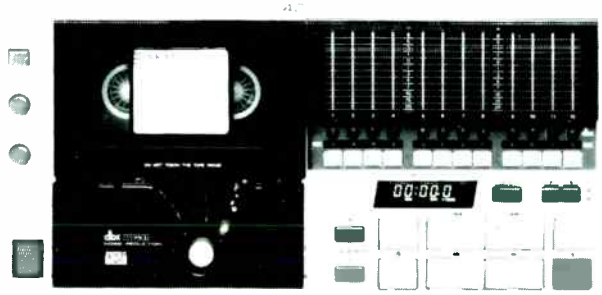


AKAI MG614

Akai's new compact multi-track system includes a five track cassette recorder (4 audio tracks and one sync track) with a built-in six channel mixer. Inputs one through four feature ¼" mic line input, direct channel out jacks, two band sweep EQ, and two effects sends. Channels 5 and 6 also include XLR mic inputs. The recorder section features memory seach, auto repeat, defeatable dbx, ±10% pitch control, and dual speed operation.

#60AKMG614 ..... **$1,799.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



AKAI MG14D 14 TRACK RECORDER WITH AUTO LOCATOR

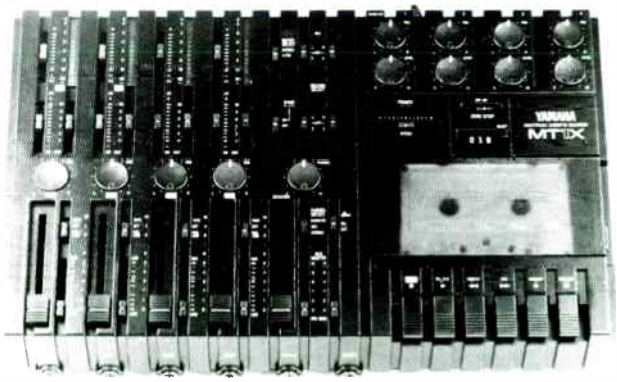
The MG14D Rack Mountable 14 Track Recorder is a high-performance, durable unit ready to stand up to the rigorous demands of multitrack recording. SMPTE compatible, it utilizes the same high quality Super GX multitrack recording head used in the MG1214 as well as an improved loading mechanism to give you the same professional performance and operational features found on the MG1214. Bar graph meters display the precise signal level on each recording track.

The MG14D has 12 audio tracks as well as a sync track and an internal control track. With SMPTE compatibility the MG14D can be used as a production tool for video, film, and sound effects assembly, as well as a tool for creative music production in the recording studio.

The ML-14 Auto locator represents the state-of-the-art in auto locating technology. All transport controls, along with record and playback status, can be controlled and viewed from the ML14. Simple push-button operation of the ML14 Auto Locator's controls yields such sophisticated computer-assisted functions as memory search, punch-in/punch-out, playback mute, repeat, and more. A ten key program pad lets you manually enter values into one of the memories for later recall. A great way to get started in multitrack or to expand your current facility.

#60AKMG14D **$6,999.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



YAMAHA MT-1X

For field production or music recording, this portable, four-track cassette mixer provides a host of features. Each mixer input has mic line off-tape selector, trim control, aux send, pan control, and 2-band equalizer. Outputs are a stereo master, plus four pannable monitor outputs to feed headphones or monitor amp. Individual tracks may be set to safe or record mode, ready for punch in out. The 4-track recorder includes ±10% pitch control, digital counter memory and zero return function. Built-in dbx noise reduction provides wide dynamic range; track separation is 55dB at 1kHz. Comes with carrying strap and AC adaptor.

#60YAMT1X **$565.00**

ACCESSORIES:

BATTERY PACK OPTION

#60YAPAII **$30.00**

CARRY CASE

#60YALCMT1X **$90.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

DICTAPHONE LOGGER SYSTEM/5600 SERIES

The heart of the 5600 logger system is a specially designed 15/32 IPS heavy-duty, professional tape recorder. All electronics are located in a separate, slide out drawer for ease of maintenance, and a simple-to-use meter/selector monitors all recorder signals, including record bias. The four track recorder can be configured for one, two or four pass operation depending on the user's requirement, and both single and dual trasport systems are available for backup, fail-safe or simultaneous recording and playback.

A time code Generator/Reader option is available, which multiplexes the code on to the audio track, eliminating the need for a dedicated code track. The display can show time currently recorded, or time previously recorded on any track.

Indicated below are prices for transports only. Systems usually include one or more of the available options: Time code generator/reader, floor standing cabinet, plexiglass cabinet door, AGC, and VOX voice activation.

SINGLE TRANSPORT MODELS

ONE CHANNEL, 4 PASS LOGGER
#60DP15611 ..... **$3,895.00**
TWO CHANNEL, 2 PASS LOGGER
#60DP5621 ..... **$4,130.00**
4 CHANNEL, 1 PASS LOGGER
#60DP5641 ..... **$4,365.00**

DUAL TRANSPORT MODELS

1 CHANNEL, 4 PASS LOGGER
#60DP5612 ..... **$5,545.00**
2 CHANNEL, 2 PASS LOGGER
#60DP5622 ..... **$5,785.00**
4 CHANNEL, 1 PASS LOGGER
#60DP5642 ..... **$5,900.00**

Prices WITHOUT options. Call Bradley Broadcast for configurations and a package quotation.

BRADLEY LOGGING SYSTEM

A reliable, yet economical system that permits 24 hours of uninterrupted logging. An excellent insurance policy! Includes two Revox B77SLS with rack kits, one Revox Cycle Controller, an ESE ES-280 Timecode generator/reader, and a 70" Soundolier rack.

#60BBL **$4,749.00**

CALL FOR YOUR DISCOUNT PRICE ON OTHER CONFIGURATIONS.

REVOX B77 S.L.S. (Super Low Speed)

At the low speed of 15/16 IPS, the B77 S.L.S. will log continuously for twelve hours. Using only two machines in conjunction with a Revox cycle controller, 24 hour continuous operation may be obtained. Sturdy Revox construction and quality provide trouble-free operation and excellent voice intelligibility.

#60REB77SLS **$2,425.00**

ACCESSORY:
CYCLE CONTROLLER - permits sequential operation of B77SLS
#60RE34231 ..... **$285.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ES-280 AUDIO TIMECODE SYSTEM

Designed especially for low-speed logging applications, this compact time code reader generator unit is a perfect match for the Revox logger. The 280 code uses a 10-digit serial BCD format, displaying Julian date (1-365), hours, minutes, seconds and tenths. The generator section uses FSK tones of 640Hz and 1280Hz, and feeds an unbalanced low-Z output adjustable up to 0dBm. The reader requires a minimum of −20dBu at its 10K unbalanced input, and can read code accurately over a range of 0.7X to 10X normal operating speed. Either record or repro code may be read from the display.

#60ES280 ..... **$550.00**

OPTION:
ES-281 READER ONLY
#60ES281 ..... **$414.00**

SCOTCH LOGGING TAPES

These special low noise, high output tapes on 10½" metal reels are specially formulated for logging. Type 8206 is backcoated, while type 8614 is not backcoated and has sensing foil at ends of reels. 3600 feet per reel.

MODEL	ITEM #	WIDTH	REELS PER CARTON	SINGLE PRICE	CASE PRICE
8206	#61SC820614	¼"	12	$ 32.00	$ 345.00
8206	#61SC820612	½"	10	60.00	540.00
8206	#61SC820610	1"	5	97.00	436.00
8614	#61SC861414	¼"	12	34.00	367.00
8614	#61SC861412	½"	10	62.00	558.00
8614	#61SC861410	1"	5	102.00	459.00

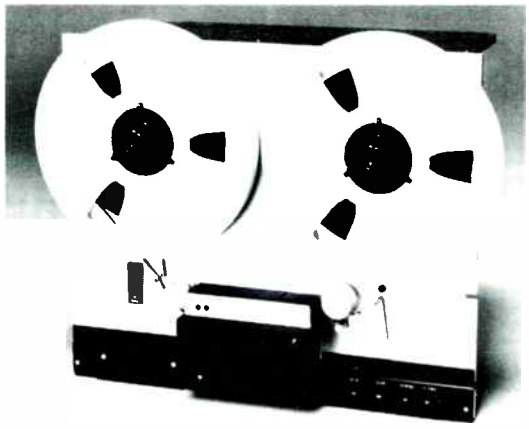
World Radio History

REVOX PR-99 REPRODUCER

The PR-99 Reproducer features a diecast aluminum alloy chassis and headblock, servo-controlled capstan motor, and contactless full logic switching. A single multipin connector carries all audio, status, and remote signals, or these signals may be accessed via parallel XLR and DIN connectors. Modular plug-in circuit boards, EOM stop delay, convenient front panel controls, and competitive price make the PR-99 the automation advantage. Rack mount flange standard. Full track mono and auto-reverse versions also available.

#60REPR99R $1,950.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



OTARI ARS-1000

The ARS-1000 is the most widely accepted two-speed reproducer designed for broadcast automation. Engineered for reliability and continuous operation, its circuitry is on plug-in circuit boards, and its flip-up head cover provides ready access to heads. Recessed front panel adjustments for level and head azimuth allow immediate adjustment of these parameters when changing tapes. Straight line tape threading path and interlocked transport controls insure ease of operation and minimize tape damage. Includes 25Hz sensor with relay output.

#60OTARS1000DC $1,795.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

M.W. PERSONS PROGRAMMER 3A

The Programmer 3A is a significant programming aid for stations using a live assist tape format. Directly compatible with Otari ARS-1000DC and Revox PR-99 reproducers, this unit controls four tape decks, and allows the operator to pre-program his next event, which is later executed by hitting the 'common play' button. A count-up timer resets at the start of each event for intro timing and 25Hz end-of-cut tones are indicated by amber panel lights. A second set of four white lights tells the operator which deck is playing.

Four stereo level controls resistively sum audio from each source, with opto-isolators to silently gate audio on or off for each source as it is used. Outputs can be wired directly to program and cue busses of the station console, eliminating the need for extra console inputs.

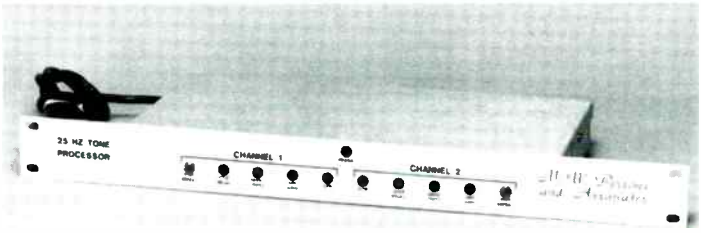
An auto-sequence option may be purchased with the controller to allow switch selection of continuous sequencing of decks in 1-2-3-4 order.

#60PE3A $990.00

ACCESSORY:
AUTO-SEQUENCE OPTION

#60PE3AASO $250.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



M.W. PERSONS 25Hz TONE PROCESSOR

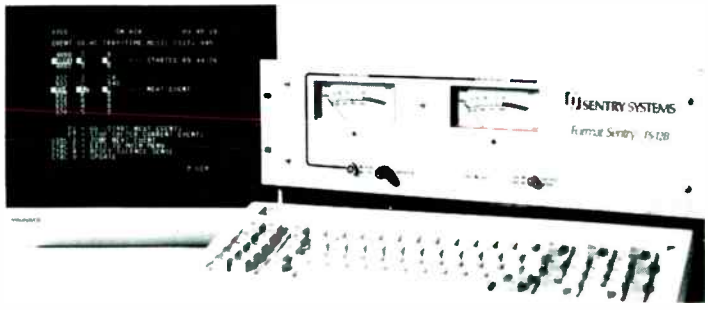
This unit provides all necessary functions to interface a reel to reel recorder with an automation or live assist system. One tone processor handles one stereo or two monaural recorders. Each unit consists of two 25Hz decoders feeding two program amplifiers with 25Hz notch filters.

Stop delay time is adjustable, and the processor provides normally open and normally closed relay outputs for the E.O.M command and stop command. Front panel LED's indicate sensing of the 25Hz tone.

The tone processor is ideal for adapting any recorder to automation use.

#60PE25 . . . . . $390.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



FORMAT SENTRY

Bradley Broadcast and Sentry Systems make it easy for you to have top quality automation with the Format Sentry. This versatile system integrates your personal computer with Sentry Systems' user friendly software to create an 8000+ event program memory driven by plain English commands. Up to 12 audio inputs (expandable to 24) are interfaced via the sonically transparent audio switches. Prices start at under $5,000. Bradley can provide interface cables as well as the tape and cart machines you may need at special package pricing. The Format Sentry....consistent control, dependable operation and an affordable price.

#60SSFS $4,700.00

Price above is manufacturer's list and does not include control and data cables. Please call for a system quotation.

World Radio History

CONEX CG-25 TONE GENERATOR

A simple, low cost method of recording tapes for use on automation systems, this compact desktop unit inserts into the record circuit of your production deck and places a 25Hz tone of predetermined length on either or both audio channels between selections. Length of tone may be user-adjusted, or the manual switch may be used for any tone length. Front panel lights indicate presence of tone and adjustable silence interval. An open-collector output is provided during the silence interval, which may be used to operate a muting circuit or stop the recorder. This enables consistency in the quality of your automation tapes.

#60CNCG25 ..... **$350.00**

OPTION:

RACK MOUNT VERSION OF THE CG-25

#60CNCG25R **$375.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

CONEX CS-25A DUAL TONE SENSOR

A compact and reliable 25Hz tone sensor for use in broadcast automation systems. Each unit features two independent sensors at a very economical price. Front panel indicators show presence of tone, disable switches inhibit relay operation for continuous tape operation. Each sensor performs two relay operations. A DPDT relay actuates for the duration of the 25Hz tone, and a SPDT relay engages for ½ second at the end of the tone or after an adjustable "stop delay." Front panel tone sensitivity controls allow proper sensor adjustment with a variety of tapes and recorders.

#60CNCS25A **$395.00**

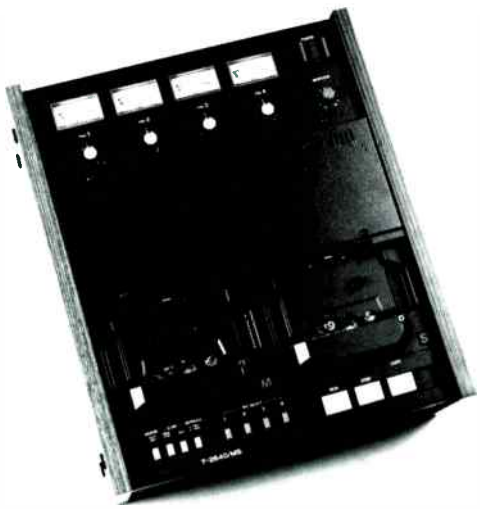
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

AIR SENTRY

The Air Sentry is designed to constantly monitor the presence of an audio signal to energize a relay when the audio is absent. Activation of the relay is front panel adjustable from 4 to 20 seconds. The relay may in turn be used to activate an external audible or visible alarm to notify station personnel of the absence of broadcast signal. Air Sentry may be used to monitor any stereo or mono audio source such as audio from an AM/FM tuner, TV receiver, or modulation monitor. Air Sentry is built to broadcast standards of reliability and is extremely cost-effective.

#60SSAS **$295.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



TASCAM T-2640 DUPLICATORS

The 2640 is a versatile and economical solution for situations where high capacity systems are just too expensive, but "dubbing decks" just won't do. An 8:1 duplication ratio is employed, with one-pass duplication of any or all tracks. The MS(master/slave) model provides an onboard monitor amp and speaker, ±3% pitch control, metering and adjustment of master repro levels, and an automatic rewind function which the slaves can follow. The system can handle standard or chrome Bias and EQ (front panel selection on MS, internal on 2S). Up to 10 slaves can be connected to one master. System specs: 50-10,000 ±3dB, S/N ratio 45dB or better, THD 2.0% at 315Hz and standard operating level, Crosstalk 35dB interchannel, 50dB intertrack, Wow and flutter 0.09% WTD, speed deviation ±.3%. Four track stereo and two track monaural versions are available at the same price.

T-2640-MS MASTER/SLAVE MODEL

#60TET2640MS **$2,195.00**

T-2640-2S DUAL SLAVE MODEL

#60TET26402S **$2,195.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

OTARI DP-4050 SYSTEM

Otari's DP4050 system is modular 8:1 system comprised of three components. The "OM" is a 4-track open reel master for 3.75/7.5 masters (7.5/15 optional). The "C1" is a self-contained master/slave 4-track cassette duplicator, and the "Z3" is a three-cassette 4-track slave which can be used with either the OM or C1 master. An OM master can drive up to nine Z3 slaves for 27 copies per pass. A C1 master can drive up to three Z3 slaves for a total to ten copies per pass (including the slave in the C1). The OM transport is a dual-capstan type with motion-sensing TTL logic control. It includes auto stop/rewind cue, an automatic pre-roll mode, and a built in monitor system. The C1 and Z3 modules can be set for auto-stop and eject (and auto recue on the C1 master deck). System specs: Wow and flutter 0.3%, S/N ratio better than 45dB (DIN), Crosstalk 35dB inter-channel, 45dB intertrack, THD 1.5% ref 1 kHz (DIN -4dB).

DP-4050-OM OPEN REEL MASTER

#60OTDP4050OM **$5,295.00**

DP-4050-C1 CASSETTE MASTER/SLAVE

#60OTDP4050C1 ..... **$2,695.00**

DP-4050-Z3 CASSETTE SLAVE

#60OTDP4050Z3 ..... **$3,295.00**

ALSO AVAILABLE:

DP-4050-C2 - An expandable cassette duplication system with one master and two slaves.

#60OTDP4050C2 ..... **$3,595.00**

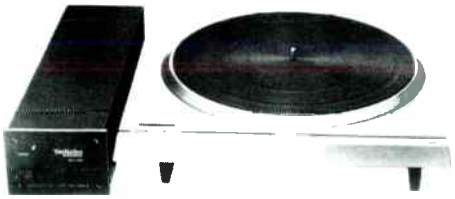
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

TECHNICS SP-10MKIII

This is the great one. The ultra-low-speed brushless DC motor delivers 16kg/cm starting torque so the platter reaches 33⅓ rpm in only one-quarter second. Quartz-locked pitch control is adjustable in 0.1% increments to ±9.9%. Electronics and mechanical braking stop platter in 0.3 seconds. Wow and flutter 0.0015% wrms, rumble −92dB (DIN-B). The SP-10MKIII is unsurpassed. Base optional.

#60TCSP10MKIII **$1,848.00**



TECHNICS SP10-MKIIA

Indisputably the standard in high quality broadcast turntables, the SP10-MKIIA is in use more than any other direct drive broadcast turntable. Fastest startup time–only 0.25 seconds at 33⅓ RPM, equivalent to a 25° rotation of the platter. Speed is controlled by a quartz oscillator reference, which is verified by frequency generator reference. This system insures speed accuracy, regardless of power line frequency or voltage variations. The power supply is housed separately to avoid hum pickup or interference with turntable circuitry. SH10B3 black base optional.

#60TCSP10MKII **$924.00**

TECHNICS ISOLATING BASES

These bases maximize the performance of your Technics turntables by isolating them from airborne and surface transmitted vibrations.

WOODGRAIN BASE - For SP-15 and SP-25.
#61TCSH15B2 ..... **$247.00**

BLACK BASE - For SP-15 and SP-25.
#61TCSH15B3 ..... **$247.00**

BLACK BASE - For SP-10MKII.
#61TCSH10B3 ..... **$456.00**

BLACK BASE - For SP-10MKIII.
#61TCSH10B5 ..... **$739.00**

TECHNICS SP-15

Quartz synthesized direct drive, 3 speed turntable. Achieves full 33⅓ RPM in 40° rotation (0.4 seconds) for tight cueing. ±9.9% pitch control with digital readout. Ideal for broadcast production where 3 speeds and variable pitch are needed. Base is optional.

#60TCSP15 ..... **$604.00**

TECHNICS SP-25

Direct drive two-speed turntable. Quartz locked, variable pitch control with ±6% range. 0.7 second to full speed at 33⅓ RPM. A great choice for excellent disc reproduction at a sensible price. SH15B2, SH15B3 bases optional.

#60TCSP25 ..... **$345.00**

HENRY UNIVERSAL TURNTABLE CONTROLLER

The Universal Turntable Controller allows two button remote start stop and status indication to be accomplished with popular direct-drive turntables. This unit will stay "in sync" if the turntable's switch is used for cueing. Each unit handles two turntables and may be controlled by either momentary switches or CMOS circuitry.

#60HETTC **$165.00**

TECHNICS SL-1200 MKII

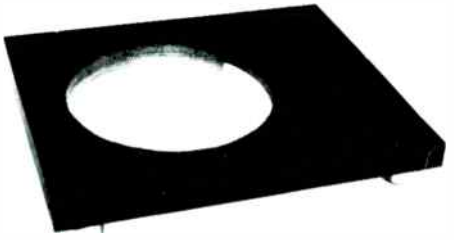
The turntable that has been the standard in disco continues to gain popularity in broadcasting. Its features include quartz lock, slide fader pitch adjustment of ±8%, improved acoustic isolation, 0.7 second startup time, stylus illuminator and speed strobe indicator. Direct drive provides lowest noise and rumble obtainable in this price range. Complete system includes tonearm and dust cover.

#60TC1200 ..... **$364.00**

BROADCAST ELECTRONICS 12C

The 12C is an economical choice when you require a three speed turntable. It incorporates a subtle series of precision improvements to proven design, resulting in low wow and flutter, and maximum torque for tightest cueing. Ruggedly constructed with only three moving parts, the 12C is available pre drilled for the tonearm of your choice.

#60BR12CO **$384.00**



PRO BASE

These bases are constructed of 1½" sound absorbing particle board with black overlay. Heavy duty, audio-isolating adjustable base legs have wide rubber non-slip pads for isolation and stability. Versions available for SP-15/SP-25 and SP-10MKIIA.

#60PRTTBASE **$95.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

AUDIO-TECHNICA ATP-12T

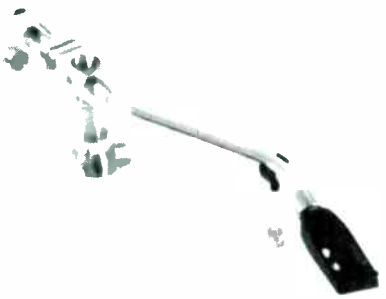
This professional 12" tonearm features rugged, simple design for long use in broadcast environments. Locking height and counterweight adjustment screws maintain original settings. Sliding stylus force weight reads out directly on tonearm shaft. Fits directly in three-hole mount used by other tonearms.

#60ATP12T **$149.00**

ALSO AVAILABLE:

AUDIO TECHNICA AT-N UNIVERSAL TONEARM SHELL - Fits Audio-Technica, Technics, and ProTec tonearms.

#60ATN **$13.50**



PRO TEC S-220

Uses standard EIA headshell and simple one-hole mounting system. Lateral balance system minimizes resonance problems. Adjustable height, 60" plug-in cable.

#60PRS220 ..... **$89.95**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

TECHNICS EPA-250

One of the best tonearms made. Rotary vernier adjustment of tracking force, anti-skate, and base height. Gimbal suspension has bearing friction of less than 7 mg. Anti-resonant dynamic damping system, cueing lever, low resistance, low capacitance cable. Designed for easy mounting in Technics SH-series turntable bases.

#60TCEPA250 ..... **$347.00**

MICROTRAK TONEARMS

These low resonance, low mass tonearms are an industry standard. High strength, impregnated wood construction, fluid anti-skate, jewel pivots.

12" TONEARM

#60MK303 ..... **$105.00**

16" TONEARM

#60MK306 ..... **$145.00**

DISCWASHER RECORD CARE PRODUCTS

DISC KIT

The Disc Kit from Discwasher combines three essential record care products in a beautiful walnut tray with dust cover. It includes the Discwasher record cleaning system with D4 fluid, the Zerostat anti-static pistol and the stylus cleaner with SC-2 fluid.

#61DIDK **$55.00**

D4 RECORD CLEANING SYSTEM

The exclusive slanted fibers and absorbency of the Discwasher pad work together with the D4 Fluid to lift off microdust, fingerprints and smoke particles. Other devices simply re-arrange contaminants. D4 has less residue than most tap water, and cleans without building up residue on the record surface. Discwasher D4 will not encourage biological growth on the records, as do "constantly damp" cleaning systems.

#61DID4S **$16.50**

DISCWASHER FLUID

Sixteen ounce refill of D4 fluid.

#61DID4R16 ..... **$17.00**

SC-2 STYLUS CARE SYSTEM

The Discwasher SC-2 is a two part stylus care system. A precision nylon brush and magnifying mirror, which retract into a walnut case, are mated to SC-2 Fluid, a high technology, stylus-safe cleaning liquid. Thousands of cleaning tip surfaces plus fluid assure proper and convenient stylus care.

#61DISC2 ..... **$8.50**

DISCWASHER SC-2 FLUID

3½ ounce refill.

#61DISC2R **$1.25**

DISCWASHER ZEROSTAT

The Zerostat Anti-Static Instrument is an effective, safe device for audiophiles and photographers. Zerostat eliminates static on virtually any surface–without clogging residues, cartridges to replace, cords, plugs, or radioactivity. Zerostat treats large surfaces of any polar charge by showering both positive charges (trigger squeeze) and negative charges (trigger release). The result will give you no static.

#61DIZT **$23.00**

World Radio History

ATI ENCORE SERIES P-100 PHONO PREAMP

OUR BEST SELLER! This phono amplifier preserves the excellent performance for which ATI is known in an economical, no-frills enclosure. The P-100 provides selectable cartridge loading, active feedback warp filter, +20dBm active balanced outputs with extremely low noise and flat response.

#60AIP100S **$259.00**

Price above is manufacturer's list. Please call Brasdley Broadcast for a current quotation.

ATI P-1000

The precise equalization (RIAA curve ±.25dB), high slew rate, low distortion and low noise (80dB ref. 10mV) of the P-1000 can make an audible difference in your audio chain. High gain design prevents overload and makes this unit compatible with any cartridge. The active feedback 2 pole pass filter blocks rumble, warp and seismic noise without loss of audio. Front panel switches select high frequency boost, high frequency cut or normal operation. This compact unit is fully RF protected. Select transformer or balanced differential outputs. The P-1000 is supplied with brackets for cabinet mounting and rack mounts (holding one or two units) are optionally available.

P-1000-1 TRANSFORMER OUTPUTS

#60AIP10001 ..... **$365.00**

P-1000-2 BALANCED DIFFERENTIAL OUTPUTS

#60AIP10002 ..... **$365.00**

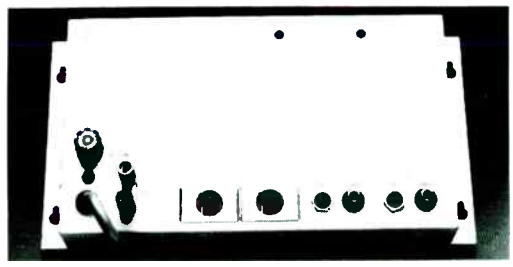
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

RADIO SYSTEMS PA-1 PHONO PREAMP

The PA-1 has earned its reputation for resistance to RF interference in the toughest environments. Transformerless, the PA-1 uses a combination of discrete and integrated circuit components in the input stage to yield greater than 76dB signal to noise ratio, 0.01% THD, and 90dB channel separation. High speed circuitry insures the capacity to accurately reproduce the fastest musical peaks. Slew induced distortion, transient intermodulation, and input clipping are virtually non-existent.

#60RAPA1 ..... **$295.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



LOGITEK BPA-200

Once you've heard the accuracy of a passive-EQ phono preamp like the BPA-200, you'll wonder why all professional preamps don't use passive EQ. Cymbals become so clean, you'll forget they are recorded. Synthesizers and horns "jump out of the speakers." Vocals don't sound "canned" anymore. This is the preamp you should be using for highest quality disc-to-cart transfers. The patented Logitek balanced input circuitry is guaranteed to eliminate hum and RFI, while totally isolating the cartridge from the EQ loop to maintain proper matching at all frequencies. Cartridge load capacitance is DIP-switch programmable for flattest response. Internal construction is first rate, with a toroidal power transformer, gold-plated IC sockets and input connectors, and a MIL-spec fiberglass PC card. 23dB of full-band headroom is available, with a S/N ratio of 72dB (ref: -45dBv nominal input). THD is typically on the order of 0.03% and crosstalk is below noise floor. Conforms to the revised RIAA curve ±0.3dB.

#60LTBPA200 ..... **$295.00**

SWA PHONO PREAMPS

Straight Wire Audio Phono Preamps use low noise, open loop balanced FET input amplifiers which virtually eliminate Transient Intermodulation Distortion and require virtually zero current from the phono cartridge. The balanced input stage eliminates hum and RF from phono inputs, and operates without negative feedback. The precision passive RIAA de-emphasis is rigidly maintained within 0.1dB of the curve. Input loading capacitance, essential to precision equalization, is variable over a 115 pf range. The output level is adjustable from −5dBm to +12dBm, with an output clipping level of +22dBm into 600 ohms or +28dBm into a bridging input. Select the PH-2B, SWA's original innovator, or the premium PH-UP. The PH-UP, in addition to the benefits above, uses a fully discrete open loop precision matched FET front end, employing feed forward distortion cancelling techniques and DC servo offset management. A warp filter is also included in the PH-UP. Both preamps are available in rack units that include one or two stereo preamps with power supply, or as single channel cards, for use in SWA card frames (see page 16).

PH2B-U STEREO PREAMP

#60SWPH2BU **$395.00**

PH4-U DUAL STEREO PREAMP

#60SWPH4U **$685.00**

PHUP-U PREMIUM STEREO PREAMP

#60SWPHUPU **$787.00**

PHUP4-U DUAL PREMIUM STEREO PREAMP

#60SWUP4U **$1,377.00**

PH-2B SINGLE CHANNEL PREAMP CARD

#60SWPH2B **$137.00**

PH-UP SINGLE CHANNEL PREAMP CARD

#60SWPHUP **$286.00**

ALSO AVAILABLE:

HPF-30 WARP FILTER CARD - A stereo precision subsonic warp filter with balanced inputs and outputs. The filter is 45dB or better Tee notch centered at 10Hz with an asymmetrical characteristic recovering to −30dB at 3Hz and within 1dB at 30Hz.

#60SWHPF30 ..... **$187.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

STANTON

Five different series of cartridges are manufactured to meet specialized needs in broadcasting, recording and home entertainment. These are the 500 Broadcast Series, the 600 Broadcast High Performance Series, the 680 Disco/Broadcast Home Series, the 681 Calibration Series, and the 881 Professional Calibration Series. **Call for pricing on the complete Stanton line, including "P-mounts" and styli for 78 rpm.**

BROADCAST SERIES

500AL Cartridge #60ST50AL	$14.00
500AL with extra Stylus #60STALDP	$19.00
5107AL Stylus #60STD5107AL	$7.00
500A MKII Cartridge #60ST500A	$11.00
D50A Stylus #60STD50A	$7.00
600A Cartridge #60ST600A	$17.50
D6071A Stylus #60STSTD6071A	$11.80
600E Cartridge #60ST600E	$20.00
D6004E Stylus #60STD6004E	$14.75
600EE Cartridge #60ST600EE	$22.00
D6003EE Stylus #60STD6003EE	$16.00

STEREO STANDARD SERIES

680EE Cartridge #60ST680EE	$45.00
D680 Stylus #60STD680	$18.50
680EL Cartridge (with spare stylus)	
DP680EL Stylus #60STDP68	$53.00/pkg of 3
D6800EL Stylus #60STD6800EL	$18.50each

CALIBRATION SERIES

681SE Cartridge #60ST681SE	$49.00
D6800SE Stylus #60STD6800SE	$23.00
681EEE Cartridge #60ST681EEE	$62.00
D6800EEE Stylus #60STD6800EEE	$26.50
881S Cartridge #60ST881S	$91.00
D81S Stylus #60STD81S	$44.00

SHURE

The economy pricedd M44 Series has been a broadcasting mainstay for years. Use the N44-7 spherical or N44-C conical stylus for best results in applications with heavy use and backcueing. The SC Series cartridges feature a cutaway stylus grip and orange dot on the stylus tip for easy viewing while cueing. **The V15 is a favorite with audiophiles. Call for pricing.**

M44-C Cartridge #60SHM44C	$18.00
N44-C Stylus #61SHN44C	$12.00
M44-7 Cartridge #60SHM447	$12.00
SC35-C Cartridge #60SHC35	$31.00
SS35-C Stylus #61SHS35	$11.50
SS78E Stylus for 78 rpm #61SHS78E	$16.00
SC39-B Cartridge #60SH39B	$50.00
SS39-B Stylus #61SHSS39B	$18.00
SC39-EJ Cartridge #60SHSC39EJ	$55.00
SS39-EJ Stylus #61SHSS39EJ	$23.00
SS39-ED Stylus #61SHSS39ED	$26.00

AUDIO-TECHNICA

The ATP Series, developed to meet the specific needs of broadcasting, were designed with ruggedness and ease of use in mind. All are strengthened to withstand backcueing. A high visibility dot is painted on the stylus tip to aid cueing placement.

ATP-1 Cartridge #60ATP1	$21.00
ATP-N1 Stylus #60ATPN1	$11.50
ATP-2 Cartridge #60ATP2	$28.00
ATP-N2 Stylus #60ATPN2	$17.00
ATP-3 Cartridge #60ATP3	$37.50
ATP-N3 Stylus #60ATPN3	$22.50

World Radio History

TASCAM 225 SYNCASET

The 225 Syncaset from Tascam is a 2-track cassette machine designed for creative production. Inputs can be routed to feed one or both tracks, from stereo or mono sources, through mic or line level inputs. New sounds can be inserted in perfect synchronization with a pre-recorded material on the monitored track or on the adjacent track. One touch punch-in of the record mode is available on the machine or optional footswitch. Dolby B noise reduction is also provided. Use the 225 for demonstration tapes, create narration/music tracks for AV presentations, or refine production ideas without tying up other equipment.

#60TE225 . . . . . $299.00

ACCESSORY:
RECORD PUNCH-IN FOOTSWITCH
#61TERC30P $29.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM 122-B

Possibly the most popular cassette deck in broadcasting. The 122-B has been designed to meet professional cassette production requirements. Three head design, rack mount configuration and dual Dolby, combined with +4dBm XLR inputs and outputs add up to a fully pro-quality machine. Dolby HX circuitry provides improved high end definition and clarity previously found only in open-reel equipment, with up to 6dB more high frequency headroom. Microprocesor controlled transport for improved tape handling, and rugged serviceable construction round out the professional features of the 122-B.

#60TE122B $849.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM 112R

For professional applications requiring extended record and playback capability, the 112R offers bi-directional capability in either mode. To achieve optimum reproduction quality, the tape head is a special 2 channel design that rotates 180° when the tape changes direction. An advanced hysteresis tension servo control system maintains constant back tension throughout record or playback of the entire cassette, improving wow and flutter, as well as distortion.

A 16 pin remote connector allows remote control, plus multi-deck interfacing for a broad range of applications, such as continuous record/play, duplication, or stop-activated deck switchover.

The recorder has all the features you'd expect, like pitch control, metal tape capability, Dolby B/C, and counter with memory stop. Rack mount standard.

#60TE112R $795.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

TASCAM 112

The newest professional quality, rack mount cassette recorder from Tascam incorporates features that will assure its popularity for years to come. Dolby HX* circuitry enhances high frequency reproduction; pitch control (±12%); Dolby B/C and metal tape capability are all incorporated. Cue and review, a feature rarely found on cassette decks, is included on the 112. Actuating fast forward or rewind from the pause mode allows audio to be monitored in fast wind. Digital tape counter and return-to-zero function also assist in locating specific points on tape. Other features include: separate L/R input controls, output control, selectable front/rear panel record inputs, and multiplex noise filter.

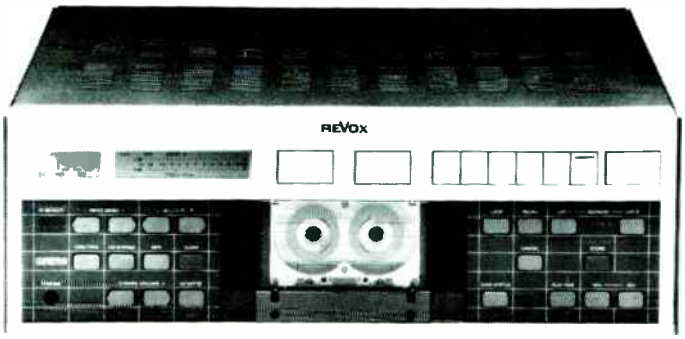
#60TE112 . . . . . $599.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

CASSETTE TAPE

Brand	Model	Item No.	Bias	Per Carton	Carton Price	Single Price
Maxell	UDXLII C60	#61MAXL2C6	High	12	$29.50	$2.60
Maxell	UDXLII C90	#61MAXL2C9	High	12	39.50	3.45
TDK	AD C60	#61TDADC60	Normal	10	$18.50	$1.95
TDK	AD C90	#61TDADC90	Normal	10	26.50	2.77
TDK	SA C60	#61TDSAC60	High	10	24.50	2.54
TDK	SA C90	#61TDSAC90	High	10	34.00	3.58
Scotch	AVX-C30	#61SCAVX30	Normal	Low Price Any Quantity		.93¢ each
Scotch	AVX-C60	#61SCAVX60	Normal			1.06 each
Scotch	AVX-C90	#61SCAVX90	Normal	Includes Hard Case Any Quantity		1.48 each
Scotch	AVX-C120	#SCAVX120	Normal			1.95 each

World Radio History



REVOX B215

The Revox B215 is designed to fulfill a variety of cassette recording applications where only the best will suffice. The B215 features a comprehensive alignment system to calibrate the deck for the best possible performance on the cassette tape selected. Operating under microprocessor control, the automatic alignment system uses test tones at three frequencies (400Hz, 4kHz and 17kHz) to set bias and equalization. The 20-second procedure aligns the two stereo channels independently. Once the calibration is complete, the setting may be stored in digital memory for instant recall. Settings for up to six different tape formulations may be stored.

Record levels may be set manually or automatically. In the automatic mode, the B215 samples input signal peaks and sets the proper record level for optimum combined signal-to-noise and low distortion performance.

The B215 is a three-head design with a microprocessor-controlled four-motor transport. Two direct-drive DC motors are used for tape spooling while two quartz-locked Hall-effect motors are used to drive the dual capstans. The die-cast transport chassis has a unique hinged headblock for stability in the head azimuth plane.

Other B215 features include Dolby B & C noise reduction, Dolby HX* Pro headroom extension, two memory autolocate buttons, automatic start-of-record locate, loop mode, real-time counter, automatic computation of elapsed time on partially wound cassettes, automatic record fade-in/fade-out infrared remote control capability, and a bi-directional serial data bus for external computer control. (Requires external serial control interface).

Basic specifications of the B215 include frequency response of 30Hz to 20kHz (+2/−3dB), signal-to-noise ratio of better than 72dB (A weighted with Dolby C, using type II tape), and wow-and-flutter of 0.035% WRMS.

#60REB215 . . . . . $1,880.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

AKAI GX912 CASSETTE DECK

The new GX912 Master Mixdown Cassette Deck incorporates the latest design advancements to meet the challenge of the most demanding studio applications. The use of the Super GX 3-Head System offers extended frequency response and dynamic range while also enabling monitoring through the playback head during recording. A Closed Loop Double Capstan System ensures optimum tape-to-head contact and smooth tape transport at all times. At the heart of the GX912 is a microcomputer which controls the entire transport mechanism for precise and flawless performance every time.

Operational ease is another feature that makes the GX912 welcome in the studio. Intro Scan, Quick Memory Search, Instant Program Location System, and other functions are all easily accessible at the feather-touch of the front panel. The FL display gives you a bright, highly visible readout of the current status of all important operational settings. The digital electronic tape counter shows the elapsed time, as well as the index position, and the time remaining. The GX912 fits into a standard 19 inch rackmount. Includes Dolby B and C, chrome and metal tape handling capability and headphone control. 15,000 hour head warranty.

#60AKGX912 . . . . . $899.95

ACCESSORY:

REMOTE CONTROL

#60AKRCX3 . . . . . $99.95

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

STUDER A-710

The Studer A-710 is built like a fine reel-to-reel transport. Solid die-cast chassis and subassemblies guarantee rock-stable tape drive. A 4-motor drive system allows maximal decoupling of moving elements and optimum performance for each transport function. The electronics are built in card cage fashion, with 18 separate trimmers readily available for adjusting levels, bias, and EQ. The A-710 is essential when you require complete confidence in your cassette deck.

#60SRA710 . . . . . $2,200.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

TECHNICS RS-B85

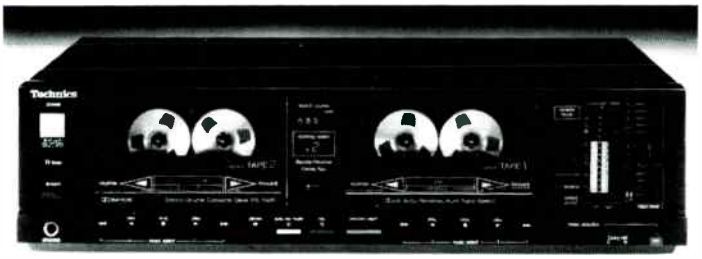
The RS-B85 is engineered for wide dynamic range, low noise, and linear frequency response. dbx noise reduction is provided for highest quality recording, and Dolby B and C make this unit compatible with all recordings. Double noise reduction circuitry, for simultaneous encoding and decoding, and AX (amphorus) combination 3-head system enables full monitoring capabilities. Two motor drive control and microprocessor feather-touch controls yield smooth and trouble free tape transport. Convenience features include multi-function real-time tape counter, music select for locating the next track or restarting the present track automatically, and wide range three color meters with peak hold.

#60TCRSB85 . . . . . **$439.00**

TECHNICS RS-T10

Two-in-one double deck design permits editing, synchro edit start and series play. The RS-T10 also offers Dolby B noise reduction for clean recordings, one touch recording, cue and review, auto tape select for flawless equalization, and a headphone jack.

#60TCRST10 . . . . . **$139.00**



TECHNICS RS-T60R

You get total convenience with the RS-T60R. You'll enjoy the 2 in 1 double deck editing feature and auto reverse of both tapes as well. You'll get the capability of finding the next song forward, or rewinding back to the start of the existing song with the music search feature. Other standard features include hi-speed editing, synchro start, series play, cue and review and two color FL meter. It has Dolby B and C noise reduction and feather touch logic control mechanisms.

#60TCRST60R **$325.00**

PACKAGE AND QUANTITY DISCOUNTS ARE AVAILABLE. CALL FOR DETAILS!

TECHNICS RS-B105

This newly styled cassette deck offers Dolby B noise reduction with hi-tech two color LED metering. You also have the convenience of soft touch controls allowing direct mode switching from FF or Rew to Play, and from Cue to Review. Other features include metal, CrO_2, and normal tape selection, a three digit tape counter, microphone and line inputs, a removable cassette door for ease of maintenance, and headphone jack.

#60TCRSB105 . . . . . **$114.00**

ALSO AVAILABLE:

TECHNICS RS-B207 - The RS-B207 comes fully equipped with Dolby, B, C and dbx noise reduction for excellent recordings and complete compatibility with other decks and pre-recorded tapes. Features are similar to the RS-B105.

#60TCRSB207 . . . . . **$175.00**

TECHNICS RS-T20

This Technics editing double cassette deck permits tape dubbing at twice the normal speed. It offers Dolby B and C noise reduction and the convenience of synchro edit and series play for ease of operation. Other features include cue and review, three digital tape counter, automatic tape select with indicators, and a headphone jack.

#60TCRST20 . . . . . **$165.00**

TECHNICS RS-T80R

The RS-T80R truly offers some technological breakthroughs. Not only do you get a 2 in 1 editing double cassette deck with auto reverse, but you also get the convenient feature of double record. Hi-speed editing, series play, synchro start, cue and review, music search, auto tape select, two color FL meters, feather touch controls and Dolby B and C and dbx noise reduction. A super full featured cassette deck.

#60TCRST80R **$445.00**

World Radio History

ORBAN 674A AND 672A EQUALIZERS

These units combine the operational ease of a graphic EQ while providing the substantial benefits of parametric units. Unlike the 622B, there is a change in the "Q" of each channel with graphic changes or tuning change. The flexibility of "notching" is available, plus excellent accuracy and specifications, giving the user the best of both EQ types in a single unit. Tunable low and high pass filters enable its use as an electronic crossover with separate output from the main EQ section. Active balanced input, unbalanced output. Transformer balanced output option available.

674A STEREO
#60OB674A **$1,299.00**
672A MONO
#60OB672A **$689.00**
ACCESSORY:
TRANSFORMER BALANCED OUTPUT
#60OBRET7 ..... **$32.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ORBAN 622B PARAMETRIC

This full parametric equalizer from Orban features four bands per channel covering 20-20,000Hz tuning range. Adjustable Q for narrow, broad band and shelving EQ. Any adjustment can be made without interaction with other settings. 12dB gain is available, plus individual channel in/out switches add to user convenience. Front panel indicator warns against overload in any part of equalizer circuitry.

#60OB622B **$879.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

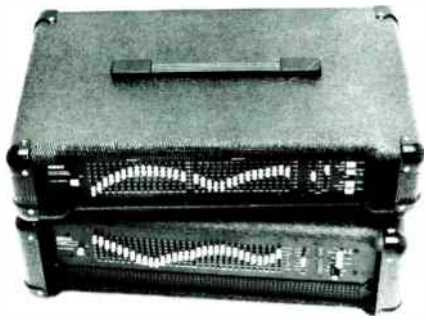
Your Bradley Broadcast professional is available to help you select the right product, at the right price, with fast delivery.

ASHLY PARAMETRIC EQUALIZERS

Ashly parametric equalizers represent powerful and cost-effective tone controls. Amplitude, frequency and bandwidth of each section are independently adjustable, and sections can be individually placed in bypass mode for fast A/B comparisons. The PQ-68 version is a specialized cut-only parametric filter set which includes a front panel meter for fast setup of notch tuning.

Ashly's proprietary computer-based quality assurance system is used to test each and every product twice before shipment. Typical Ashly processing specifications include THD and IM distortion lower than 0.05% at +10dBV with a dynamic range of at least 107dB and flat response within ±.5dB from 20 to 20kHz. Audio connections are XLR, active balanced, +20dBV maximum.

ASHLY PQ-66 - Stereo 4-Band Parametric Equalizer
#60ASPQ66 ..... **$559.00**
ASHLY PQ-68 - Mono 8-Band Parametric Equalizer
#60ASPQ68 ..... **$519.00**



ASHLY GRAPHIC EQUALIZERS

All Ashly graphic equalizers provide absolute constant bandwidth, regardless of boost or cut levels, by using an unusual Q-enhanced Wein-bridge filter topology. Minimum noise and distortion, and maximum stability, result from the use of precision metal film resistors and polyester capacitors in the filter circuits. A unique new summing system, with low noise amplifiers, has minimum ripple and filter interaction designed into it. At the detented "flat" setting, the filter sections are actually switched off line for absolutely minimum noise! Three models are available in the GQ series. The GQ215 is a dual ⅔-octave equalizer with ±15dB control range and switchable 40Hz. 12dB/octave high pass filters. The GQ131 is a mono ⅓ octave unit with control range switchable to ±12dB or ±30dB, and an 18dB/octave high pass filter tunable from 8Hz to 200Hz. The GQ231 is a stereo version of the 131.

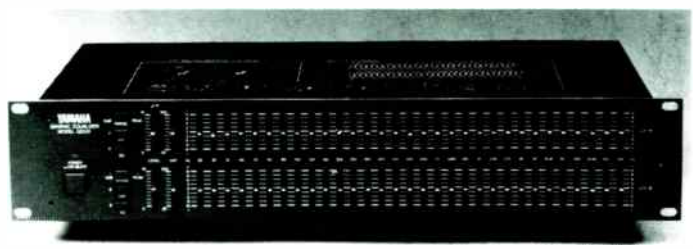
GQ-215 DUAL ⅔ OCTAVE EQUALIZER
#60ASGQ215 ..... **$395.00**
GQ-131 MONO ⅓ OCTAVE EQUALIZER
#60ASGQ131 ..... **$435.00**
GQ-231 DUAL ⅓OCTAVE EQUALIZER
#60ASGQ231 ..... **$795.00**

YAMAHA Q-2031 EQUALIZER

A dual channel ⅓ octave graphic equalizer in only two rack spaces, the Q2031 provides ±6 or ±12dB boost or cut at each of 31 I.S.O. centered frequencies. Each channel has electronically balanced, low-Z XLR inputs and outputs, plus ¼" hi-Z inputs for compatibility with all equipment types. Both channels have slider level controls, EQ in/out switches with LED indicators, and continuous variable high-pass filters for 12dB/octave rolloff anywhere in the 20Hz-200Hz region. Peak indicators warn of clipping (3dB below) an a mute feature prevents output for 3 to 5 seconds squelch damaging transients during power-up.

#60YAQ2031 ..... **$625.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



World Radio History

RANE PE15 PARAMETRIC

The five bands of the PE15 each have a four octave frequency sweep range and are individually adjustable for bandwidth from 1.5 octaves down to .03 octave. Full symmetrical filter performance provides +15dB boost and −20dB cut for "notch filter" type operation. Both balanced and unbalanced input and output via XLR and ¼" TRS connectors. This unit flexes some real muscle in one rack space. Excellent specs.

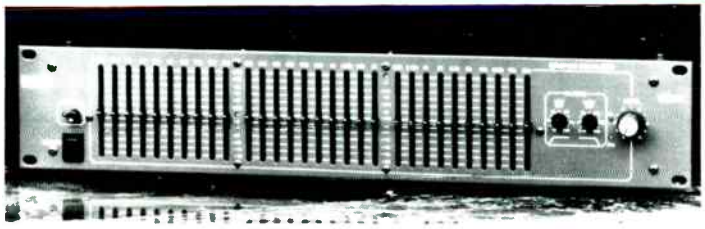
#60RNPE15 ..... **$389.00**

ALSO AVAILABLE:

RANE SP15 PARAMETRIC - Identical features to the PE15, but special components allow the SP15 to achieve a dynamic range of 120dB and THD less than .005% @ +4dBm, 20Hz to 20kHz. Tonal control and sonic transparency that is digital ready.

#60RNSP15 ..... **$589.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



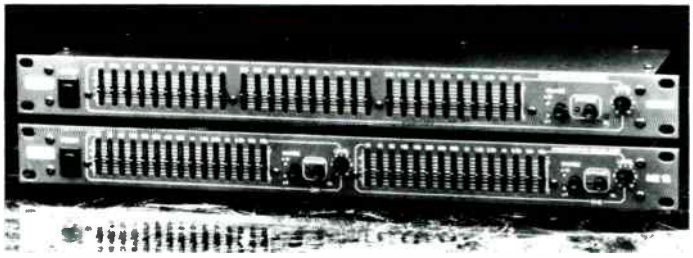
RANE GE30 GRAPHIC

A truly unique product, the GE30 is capable of acting in either +12dB boost/−15dB cut and −20dB cut modes simply by pushing a button on the back. The Constant-Q filter topology maintains consistent ⅓ octave bandwidth and long throw, 60mm sliders allow improved resolution.

Other features include sweepable subsonic and ultrasonic filters, transient AC line surge protection, built-in RFI filters, and XLR and barrier strip input and output connectors. The output is switchable between active-balanced and transformer coupled balanced. You can purchase two ordinary equalizers, or use the GE30 to slay your meanest dragons. THD less than .01%, 20Hz to 20kHz; S/N 94dB below +4dBm at unity gain with sliders at 0dB.

#60RNGE30 ..... **$699.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



RANE ME30 AND ME15 GRAPHIC EQUALIZERS

These micro graphic equalizers offer more features and quality than their single rack size might lead you to believe. The 30 band ME30 and dual 15 band ME15 have a range switch providing a choice of ±6dB or ±12dB boost/cut, Rane's Constant-Q filter design, and many other professional features. Micro size, micro price, macro performance.

ME30 30 BAND MICRO-GRAPHIC

#60RNME30 ..... **$349.00**

ME15 DUAL 15 BAND MICRO-GRAPHIC

#60RNME15 ..... **$359.00**

Prices above are maufacturer's list. Please call Bradley Broadcast for a current quotation.

VISA, MASTERCARD AND AMERICAN EXPRESS ARE ACCEPTED FOR ALL ORDERS

RANE GE27 and GE14 GRAPHIC EQUALIZERS

With many equalizers, when you decrease the boost/cut, you increase the bandwidth. This can cause filter overlap, loss of resolution, and the need to readjust adjacent sliders. Rane's Constant-Q bandpass filters in the GE27 ⅓-octave and GE14 dual ⅔-octave graphics eliminates these problems for constant bandwidth at all settings. 45mm sliders are accurately calibrated for +12dB boost/−15dB cut, and Rane builds in subsonic and ultrasonic filters as well as complete RFI protection. Active balanced input; unbalanced, floating output.

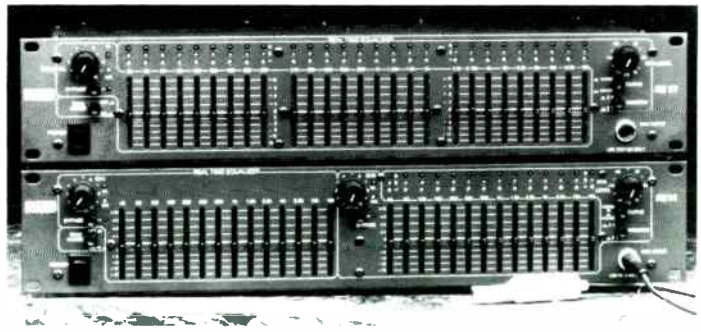
GE27 ONE THIRD OCTAVE EQ

#60RNGE27 ..... **$499.00**

GE14 DUAL TWO-THIRDS OCTAVE EQ WITH RTA

#60RNGE14 ..... **$499.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



RANE RE27 AND RE14 GRAPHIC EQUALIZERS

These combination graphic equalizers and realtime analyzers make tuning a room simple, quick and accurate. The three LED display with either ±3dB or ±1dB range is used with the supplied flat response mic and built in pink noise source. Unplug the mic, and the display monitors program through the equalizer section to aid in pinpointing feedback. The EQ sections are similar to the GE27 and GE14 above; the separate RA27 Analyzer is described on page 55.

RE27 ONE THIRD OCTAVE EQ

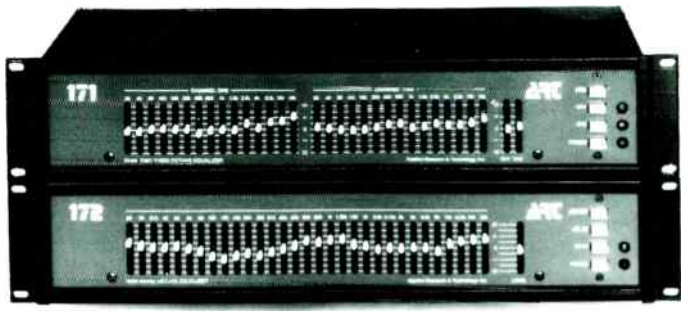
#60RNRE27 ..... **$849.00**

RE14 DUAL TWO-THIRDS OCTAVE EQ WITH RTA

#60RNRE14 ..... **$749.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

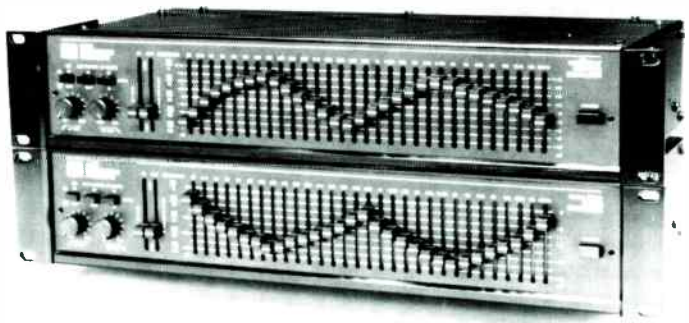


ART 171/172 GRAPHIC EQUALIZERS

ART has been building professional signal processing equipment for over ten years. ART equipment is built strong enough to survive the rigors of the road and satisfy the ears of the most exacting producers. The 172 is a mono 1/3 octave equalizer and the 171 is a dual 2/3 octave equalizer operating on alternate ISO 1/3 centers. Switchable 40Hz, 18dB octave highpass filters are supplied on the 171, and the 172 takes it one step further with choice of 40Hz or 80Hz breakpoints. Both have a "signal present" indicator, active-balanced bridging inputs and low-Z unbalanced outputs. Each has THD and IM distortion under 0.02% at 0dBm, 20dB of headroom and an equivalent input noise of -95dBm or better. All connections are 1/4" TRS. Output transformer balanced versions also available.

ART 171 - Dual 2/3 Octave Graphic Equalizer
#60MX171 ..... **$299.00**

ART 172 - Mono 1/3 Octave Graphic Equalizer
#60MX172 ..... **$320.00**



JBL/UREI 5547 GRAPHIC EQUALIZER

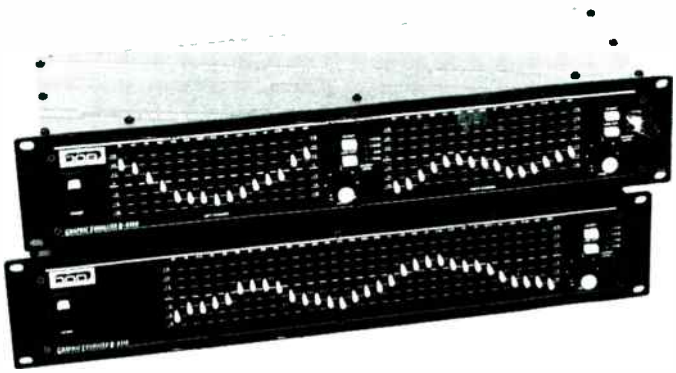
The 5547 filter sections utilize proprietery low-noise high voltage hybrid transistor arrays optimized to simulate inductors. While the benefits of this unusual design may not exactly stand out in a flat-gain bench test, they are clearly audible in real-world performance. The "headroom" control allows changing the operating point of the equalizer without changing the output level. Using a 5-level LED indicator, the user can select the optimum balance of S/N and headroom performance for the particular application. Variable bandpass filtering is also provided 20-250Hz at 12dB/oct, and 3.5kHz to 20kHz at 12dB/oct. or 6dB/oct. Output noise: -90dBm, MOL: +22dBm. Transformer balanced output, active-balanced input.

#60UR5547 ..... **$649.00**

ALSO AVAILABLE:

5549 ROOM EQUALIZER Essentially the same design as the 5547, except "cut" control only, to -15dB.

#60UR5549 ..... **$699.00**



DOD GRAPHIC EQUALIZERS

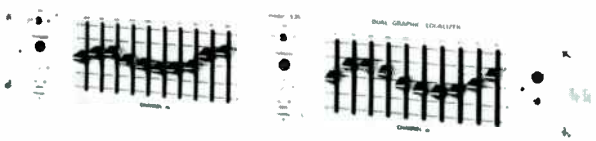
The DOD line is the best value available in professional graphic equalizers. Every DOD equalizer is individually tested at the factory to assure reliability, quality, and performance. High slew-rate op-amps, and precision polyester capacitors in the gyrator circuits mean stable, low distortion operation. Maintenance is made simple with the use of socketed IC's and modular construction. All models have center-detent pots, electronic bypass, and switchable 12dB/octave high pass filters to keep subsonics from contaminating your audio chain. All connections are active-balanced. Where space is at a premium, the same designs are available in single rack height.

DOD R830B - 2/3 Octave Stereo Graphic Equalizer
#60DOR830B **$228.00**

DOD R831B - 1/3 Octave Stereo Graphic Equalizer
#60DOR831B **$240.00**

DOD R430 - Single Space 2/3 Octave Stereo EQ
#60DOR430 ..... **$259.00**

DOD R431 - Single Space 1/3 Octave Mono EQ
#60DOR431 ..... **$259.00**



UREI 535

A popular priced stereo octave equalizer in use throughout radio, TV, and pro sound. Up to 12dB boost or cut on each of ten center frequencies. Front panel gain controls and in/out switch are also provided. Sliders provide graphic representation of frequency response curve selected. Differential input, floating transformer isolated outputs.

#60UR535 ..... **$546.00**

ALSO AVAILABLE:

UREI 533 - Similar to the 535, but mono version.

#60UR533 ..... **$396.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

Due to space limitations, all available products are not listed in our catalog. Please call for information and a quotation on any of your audio needs.

World Radio History

ORBAN 464A CO-OPERATOR

The Orban Co-operator provides transparent level control, compression, and high frequency (HF) limiting in a powerful, compact, and economical package. As a result of Orban's years of research and experience, the Co-operator has outstandingly transparent audio performance. This performance is achieved through the use of finely tuned control loops (to eliminate dynamic distortions) and of a clean, Class A VCA (to ensure negligible static distortion and noise).

A defeatable "silence gate" effectively inhibits undesireable sudden gain increases. The High Frequency limiter has six selectable curves (25 to 150us) and is followed by a peak clipper for absolute peak protection. Gain compression recovery rate is switch selectable, and a faster "compression" rate is available for additional transient overshoot protection. Other features include stereo tracking or independent channel operation, LED bargraphs for both gain reduction and peak output level for each channel, balanced and floating inputs and outputs, and hardwire bypass.

The Co-operator is packaged in a single, 1¾" rack space, with controls that offer unprecedented flexibility and ease of operation. Ideal protection in broadcast, teleproduction, and recording studio operations.

#60OB464A **$959.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

ORBAN 424A GATED COMPRESSOR/LIMITER

An extremely versatile production tool, the "Studio Optimod" combines gated compression, limiting and de-essing in one package. The 424A utilizes the highly sucessful 8100A Optimod-FM circuitry to provide maximum transparency and natural sound, even with the controls set for maximum processing. Due to advanced VCA circuitry, level control problems and de-essing are handled simultaneously, avoiding unwanted processing effects. An industry standard in compressor/limiters.

#60OB424A **$989.00**

OPTION:

422A GATED COMPRESSOR/LIMITER - Identical to 424A, but monaural version.

#60OB422A **$629.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ORBAN 275A AUTOMATIC STEREO SYNTHESIZER

The complete, automatic answer for providing full time stereo output from mixed mono and stereo program material, such as TV stereo. The 275A is designed to be permanently placed in the station's stereo program line. It recognizes true stereo, allowing it to pass unaltered. It also recognizes dual channel mono, or single-channel-only mono, and automatically switches to synthesis mode via smooth cross-fade.

In addition to the automatic mode, the 275A may be controlled by automation or sequencer, or manually set for full-time synthesis or bypass modes. The unit also automatically detects and corrects out-of-phase audio, and provides single-ended noise reduction of synthesized stereo audio. Synthesized audio may be selected for two bandwidth configurations, allowing spatial perspective to be matched to program material. To insure full compatibility with mono receivers, the sum of the synthesized outputs is identical to the mono input. Dynamic noise reduction circuitry is also incorporated.

Its functions may be duplicated on an optional remote panel, and this versatile unit is space-saving, occupying only one rack unit.

#60OB275A **$1,895.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

ORBAN 412A/414A

Based on the popular 424A "Studio Optimod," the 412A and 414A compressor/limiters offer the controls and features most demanded by professional users in a no-frills package at a very attractive price. Front panel controls include attack and release times, compression ratio, output attenuator, and both an input attenuator and threshold control. To further simplify their operation, the 412A and 414A maintain approximately constant peak output regardless of attack time and ratio settings. This feature makes readjustment of other operating controls unnecessary and prevents severe clipping in the VCA circuitry. Studios, theaters, and portable sound reinforcement users can now get top quality level control at an affordable price.

412A MONAURAL

#60OB412A **$425.00**

414A STEREO

#60OB414A **$825.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

DYNAFEX NOISE REDUCTION

The Dynafex DX-1 and DX-2 provide up to 30dB of noise reduction without the encode/decode process. Combining dynamic filtering and a unique downward expansion, these are highly effective single-ended systems. Both units incorporate an adjustable brilliance feature to enhance upper harmonics. The DX-2, pictured, operates in either stereo or dual mono. The mono DX-1 features additional user control over the downward expansion parameters, filter bandwidth control, and up to 40dB of output gain. 110dB dynamic range, 0.1% THD typical (ref. 400Hz). 20-20kHz ±.5dB response. Now manufactured by CRL.

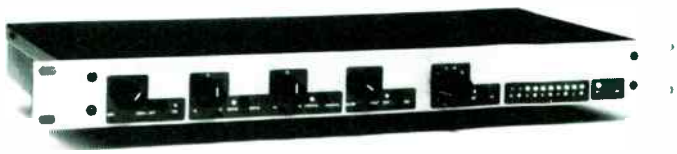
DX-1 MONO

#60CUDX1 ..... **$575.00**

DX-2 STEREO

#60CUDX2 ..... **$659.00**

World Radio History



APHEX STUDIO DOMINATOR

The Dominator is a three-band, stereo limiter that provides absolute peak protection while maintaining total transparency. Increased loudness and high density are possible with no "hole punching", minimal loss of transient feel, and freedom from spectral gain intermodulation. The unique Automatic Limit Threshold monitors the output of the summed stage to intelligently adapt the limiter's threshold to establish an appropriate output level. A Transient Enhancement Circuit can restore transient "feel" even under heavy limiting. Features include switch selectable crossover frequencies and stereo tracking capability. Optional matrixing and pre-emphasis/de-emphasis cards further enhance the Dominator's flexibility.

#60APDOM **$1,024.00**

APHEX II BROADCAST AURAL EXCITER

Aural Excitement is a process which restores intelligibility and clarity to audio which is lost through repeated recording and dubbing. The Aphex II Aural Exciter restores detail and clarity to program material by regenerating normal musical overtones present in the original source material. The result is improved presence and apparent loudness without the disadvantages of compression or equalization. No "listener fatigue" will result from its use, and noise and distortion are not increased. Its most dramatic effect is upon the 3 to 5kHz range, resulting in the greatest improvement on lower-quality radios, such as portable AM receivers or car radios. The Aphex II enhances stereo imaging, yet is fully mono-compatible, since the improved image is not the result of cross-channel phase shift. A unique and effective method of improving the quality of either production or on-air sound at a reasonable price.

#60APII **$2,245.00**

APHEX COMPELLOR

The name Compellor describes the three functions this unit performs: compression, leveling, and peak limiting. These three functions operate harmoniously, as the compressor and leveling sidechains are "intelligent", program controlled and interactive. The leveler provides a platform based on long term average audio levels. The compressor, operating from this platform, more readily handles short-term gain changes. A process balance control varies the ratio of these two functions. A fast peak limiter follows, to catch any overshoots and hold them to an absolute peak value. A silence gate prevents gain pumping during slow fades by inhibiting release of gain reduction below a preset threshold. Another unusual Compellor feature is a stereo enhancer, which creates a wider stereo image by modulating the gain in each channel based on difference information (L-R) derived from the inputs. This switchable effect is fully mono compatible. The Compellor is particularly well suited to recording applications, and is widely used as a "first stage" in broadcast processing. Its unique sound has been described as virtually transparent, while maintaining absolute peak protection and high average levels.

#60APCMP **$1,024.00**

OPTION:
MONAURAL VERSION OF COMPELLOR

#60APMCMP **$724.00**

APHEX TYPE 'C' AURAL EXCITER

This latest generation unit features improved circuitry making the Type C 10dB quieter and smoother sounding than earlier versions. Its patented Aphex process restores lost musical detail, and at this low price, Aphex Aural Excitement fits into any budget.

#60APTC **$240.00**

DIGITECH 1900

The DigiTech 1900 from DOD is a full digital delay loaded with features at a great price. Features include 1.5 seconds of delay at 15kHz bandwidth, LED headroom indicator, and repeat hold switch. Four preset delay settings give you flanging, chorus, doubling and echo. There is also a manual control of speed, width and delay time.

#60DO1900 . . . . . **$225.00**

Our catalog is organized by functional catagories. Other processors may be found in the Microphone Accessories and RF sections. Your Bradley Broadcast professional is just a phone call away for further detailed product and applications information.

World Radio History

YAMAHA SPX-90

There's an incredible amount of stuff packed into this box. Darth Vader...munchkin armies.. your old high school gymnasium. The SPX-90 is an exciting new multipurpose digital signal processor with enough variety to keep your program director amused for hours. A total of 90 effects memories are at your command. 30 are ROM presets, and 60 are user definable. Program memories have as many as 9 user controllable parameters, and since both parameters and programs are called out in English on the alphanumeric display, you're up and running after only minimal head-scratching. The preset programs include numerous forms of pitch shift, reverb (hall, room, vocal, plate, gated), delay echo, phase, flange, chorus, gates (forward and reverse), vibrato, tremolo, freeze, pan and more Digital signal processing allows you to define and manipulate parameters that don't even exist in analog systems. The SPX-90 is mono program in and stereo effect out with variable wet/dry mixing. Connections are ¼" mono phone jack at −20dBm or +4dBm (switchable), and many programs may be MIDI-controlled. 16-bit linear sampling occurs at a rate of 31.25kHz for an effect bandpass of 20Hz to 12kHz, and a dynamic range of better than 75dB (program dependent). Since "natural" reverberation is almost always part of a mix, the effective dynamic range in such cases is nearly always better than 90dB. This is the one processor you can't afford not to have.

#60YASPX90 ..... **$775.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

LEXICON PCM-70 PROCESSOR

An economical yet incredibly versatile digital effects processor which combines forty of Lexicon's most popular effects and reverb programs with fifty user registers for creation of original programs. An easy-to-operate matrix allows quick retrieval of programs and rapid modification of program parameters. Advanced circuitry provides excellent THD and noise specs on both direct and processed signals.

#60LEPCM70 ..... **$2,295.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

ROLAND SRV-2000

The SRV-2000 Digital Reverb offers high quality sound and an array of advanced features at a surprisingly low price. Front panel settings (except input attenuation) can be stored in up to 24 combinations. Pre-delay time, reverb time, high frequency damping, room size, equalizer, gate time, and output level can be saved and modified at a later time.

#60ROSRV2000 ..... **$1,195.00**

YAMAHA REV7 REVERB

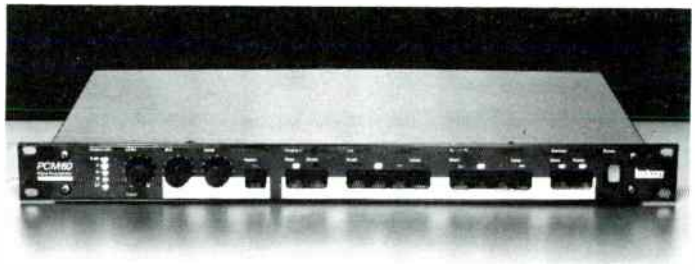
Yamaha's REV7 digital reverberator offers natural, rich stereo reverberation that simulates the acoustic properties of virtually any environment. With its sophisticated software, the REV7 is versatile enough to satisfy the highest demands of today's sound engineers in studio, broadcasting, live production and film/video post production. Using proprietary Yamaha LSI chips the REV7 is able to create an unusually wide range of sound enhancement effects, featuring 6 early reflection modes, up to 99.9 milliseconds of initial delay time and first reflection delay time, and as long as 9.9 seconds of reverberation time. Three band parametric equalization allows tonal contouring of the effects.

30 instantly available preset ROM effects are incorporated, covering a wide variety of plate, spring, hall and echo programs as well as delay, ambience and "liveness" effects. In addition, the same computer technology can be used to create extremely useful stereo phasing, flanging, chorus and tremolo effects. An additional 60 programs can be created by the user, stored in the REV7's memory, and recalled at the touch of a button.

With its fast, accurate control of all parameters and expanded memory capacity, the Yamaha REV7 is one of the most advanced stereo reverberators available, and elevates digital signal processing to new heights of sophistication.

#60YAREV7 ..... **$1,395.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



LEXICON PCM-60 DIGITAL REVERB

For digital reverb applications requiring Lexicon quality. Dual outputs are capable of creating "stereo ambience" from mono source material. Uncomplicated, "intuitive" front panel controls, and LED function and headroom indicators, make the PCM-60 very user-friendly. Provides "room" and "plate" simulations with four size and reverb selections for each. Variable bass and treble reverb contouring provide maximum flexibility. Includes switching for Pro and IHF standards on both inputs and outputs. 20Hz-20kHz ±0.25dB direct, 20Hz-10kHz±1dB reverb. System THD 0.5% at full output (ref: 1kHz). All connectors ¼" TRS.

#60LEPCM60 ..... **$1,040.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

Bradley Broadcast Sales.... Where Service and Engineering Make The Difference.

World Radio History

ART PROVERB

ART breaks the price barrier with Pro-Verb, a professional quality digital reverb featuring 100 presets, which include 50 natural reverb programs, 10 each gated effects, reverse effects, chorus, echo, and delay effects. This compact unit occupies one rack space, provides MIDI interface, and best of all, its under $400.00!

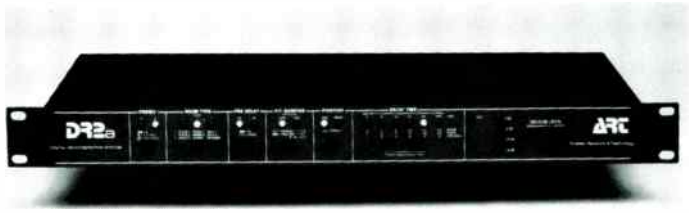
#60MXPV **$395.00**

ART DR-1 DIGITAL REVERB

A high-definition signal processing device which provides natural reverb and reverb/delay based effects. Performance MIDI™ allows the user to control two reverb functions simultaneously via any MIDI-oriented device. Five each plate, room, and hall algorithms plus reverse, DDL, and gated effects are provided. All the necessary control parameters needed to tailor these effects are provided, which may then be stored in any of 100 user presets. Forty factory preset programs are also provided. True stereo inputs are provided, 16 bit conversion provides effect frequency response to 14kHz and 90dB dynamic range.

#60MXDR1 ..... **$985.00**

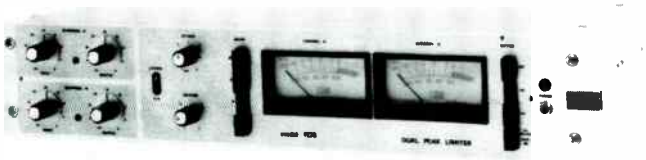
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



ART DR2A

The DR2A makes a wide range of reverberation sounds available at an affordable price. You now have a clean digital reverb with a wide range of relevant reverberation effects. The DR2A is a true digital signal processor with microcomputer control. This allows simple user commands controlled by the front panel to produce complex changes in the digital signal processing necessary to create reverberation. Many of the parameters of the DR2A are under software control. There are a total of nine different Room Types accessible as three "banks" of three rooms. The first and second "bank" contain natural alogrithms that produce the fundamentals of a plate, room and hall. The third "bank" provides alogrithms for a plate, gated reverb, and reverse reverb.

#60MX230 ..... **$449.00**



UREI 1178 COMPRESSOR/LIMITER

This limiter is designed for use in applications where two channels of audio are processed for absolute peak levels and stereo tracking is required. Single adjustments of attack and release time control both channels simultaneously, while input and output controls are independent. Gain reduction strapping is controlled by front panel switch. Compression/limiting is push button-selected in four steps from 4:1 to 20:1. FET circuitry permits severe limiting without added distortion.

#60UR1178 ..... **$896.00**

OPTION:

1176LN COMPRESSOR/LIMITER - Identical to the 1178 but monaural version.

#60UR1176LN **$596.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

UREI LA-4 COMPRESSOR/LIMITER

Popular with broadcasters due to its smooth RMS response, the LA-4 is at home both in the production studio and air chain. Compression ratio is user-selectable from 2:1 to 20:1. Differential input and transformer-isolated output assures trouble-free patching with freedom from grounding problems. In air chain use, a peak limiter must follow the LA-4 to provide instantaneous peak protection. At this economical price, order two for stereo. Use DR-1 mount for two units, SR-1 for single LA-4 unit.

#60URLA4 ..... **$496.00**

ACCESSORIES:

SR-1 RACK MOUNT - Single unit model.

#60URSR21 ..... **$28.00**

DR-1 RACK MOUNT - Two unit model.

#60URDR1 ..... **$28.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

Bradley Broadcast Sales.... Where Service and Engineering Make The Difference.

World Radio History

EVENTIDE H-949 HARMONIZER

A versatile performer, the H-949 will change pitch over a three octave range, perform flanging, delay and reverb effects. Digital readout of pitch for high accuracy, plus unusual repeat and time reversal effects make this harmonizer an essential tool in today's production facility. Combine the H-949 with the PTC-960 tape controller for an automated time compression/expansion unit for audio or video. The 949 is unique in its ability to supply 9600Hz tach information for high precision tape speed control or economical "2-pass" time compression.

#60EVH949 . . . . . **$3,500.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

EVENTIDE H969 PRO PITCH HARMONIZER

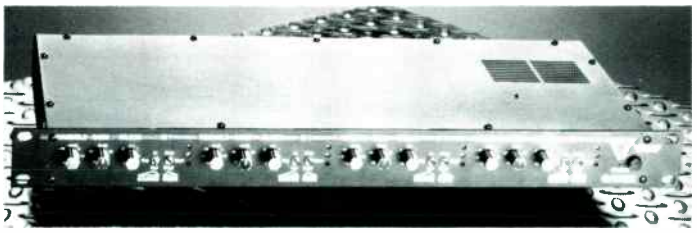
Eventide's Pro Pitch digital electronic splicing algorithms gives you the cleanest, most glitch-free pitch change at every pitch ratio. Incorporating 16 bit PCM circuitry, the H969 delivers superb audio that meets the rigorous demands of the digital audio era.

An important feature is the bank of twelve "instant pitch" presets. Select a precise major third, minor third, fifth, seventh or octave of pitch change either as a sharp or flat. There are also instant presets for micro-pitch change. Dual concentric coarse and fine control pots make it a snap to set the exact pitch ratio or delay time you want, each displayed on its own 4-digit readout. Pitch and delay may be manually adjusted, or select the "auto-incremental" mode to have the unit automatically vary the pitch at your choice of speed.

The H969 provides 1.53 seconds of delay at the full 16kHz bandwidth, with over three seconds of delay at half bandwidth. This full digital memory is also available in both the repeat and reverse modes. Flanging and Doppler shift are also provided, and many effects can be used in combination for a nearly unlimited aural landscape.

#60EVH969 . . . . . **$4,500.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



U.S. AUDIO GATEX

This compact package includes four independent dynamics processors which may be effectively used in gating, expansion and noise reduction applications. The process threshold may be set up for any level from −40dBm to +20dBm, and a "range" control allows the processing action to be set up anywhere from a gentle 6dB of noise reduction (handy for multi mic talk shows) to an absolute 80dB switching action (for multitrack mixdowns). The basic release time is variable from 50 milliseconds to 5 seconds, with a special program controlled sustain feature which can automatically stretch release times to suit program content. The attack time is automatically controlled to minimize instability and false starts. Switchable operating modes consist of high ratio gating, 1:2 expansion, and a gentle 2:3 expansion suitable for single-ended noise reduction applications. Connections are line level, active differential ¼" TRS, and a port is provided for external key signals.

#60USGATEX **$439.00**

OPTION:

GATEX 904 - A special version, the Gatex 904, is a single section unit with expanded LED gain reduction indicator, suitable for use with dbx series 900 rack frames.

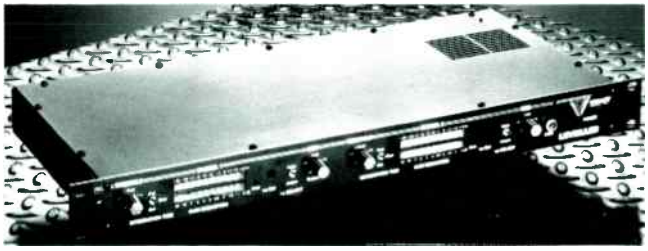
#60US904 . . . . . **$225.00**

EVENTIDE SP-2016

Here is the original, no-compromise, top-of-the-line digital signal processor. While DSP technology has evolved to the point where many low-cost effects systems are on the market, none comes close to the quality or versatility of the full stereo, full bandwidth SP2016. This quality is the synergistic result of superior hardware in concert with superior software. Dual independent 16 bit A/D and D/A converters operate with 16K of memory and a high speed 24 bit ALU using a 200 nanosecond system clock. Bandwidth for most effects is a full 16kHz, switching to 8kHz for unusually "long" effects. Programs and diagnostic routines are supplied on easily accessible ROM chips which can be updated as the state of the art continues to improve. Up to 65 different user defined effects can be stored by alphanumeric names in non-volatile memory locations. Extensive self test capability is standard, automatically isolating any problem areas, right down to specific chips. The system even provides a "Help" text function to aid the user in learning the system. The acoustic detail is nothing short of astounding. There are reverb programs which allow you not only to program the characteristics of the simulated room, but also "walk around" and listen from different positions within the simulated room. A partial list of standard SP2016 programs includes: plate reverb, RMX reverb simulator, time scramble, high density plate, gated reverb, chorus, standard room reverb, lossless room, flanging, stereo room reverb, loop edit, envelope flange, generic reverb, multitap delay, and band delay. Optional programs include: channel vocoder, automatic pan, stereo synthesizer, IEEE-488 interface, MIDI interface and others.

#60EVSP2016 . . . . . **$6,895.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

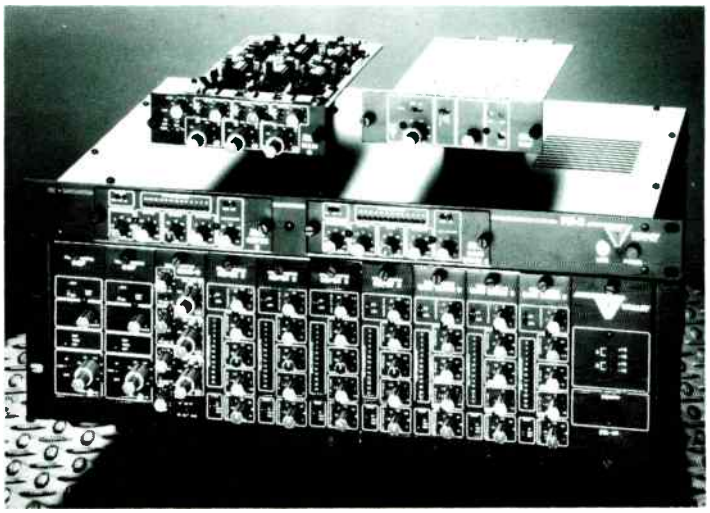


U.S. AUDIO LEVELLER

The Leveller is a new breed of processor whose capabilities begin where those of ordinary compressors and limiters end. Traditional processors with peak or RMS detectors can only respond to an arbitrary electrical level, resulting in a dull, lifeless output. The Linear Integration Detector system used in the Leveller responds to loudness levels as perceived by the human ear. To be perceptually correct, complex waveforms leave the processor at a slightly higher level than simple waveforms. Attack and release times are automatically adjusted for best output consistent with low distortion at the selected integration time. As a result, Leveller output is warm and natural. Each unit contains two separate processors capable of accepting −10, 0, or +4dBm levels. LED indicators monitor gain reduction and input/output levels.

#60USLEVEL **$509.00**

World Radio History



VALLEY PEOPLE RACK FRAME PROCESSING

The PR-10 is built with cost effectiveness in mind, yet it is solidly constructed. You can install any combination of up to 10 Valley People 800 series signal processing modules in this vertical card frame system. The unit employs a dual section bipolar power supply offering excellent filtering and RF immunity. Since each half of the supply powers five cards, in the unlikely event of a supply failure, you'll still have five cards functioning. The unique PR-2 horizontal rack frame system is designed for those jobs requiring only one or two horizontal 800 series modules in a minimum amount of rack space. The PR-2 includes an internal power supply, and a front panel link switch is provided for tracking gain control voltages in a stereo pair of modules.

PR-10 VERTICAL FRAME SYSTEM

#60VPPR10 . . . . . **$490.00**

PR-2 HORIZONTAL FRAME SYSTEM

#60VPPR2 . . . . . **$135.00**

SIGNAL PROCESSING MODULES:

MODEL 811 GAIN BRAIN II - The Gain Brain II is one of the few limiter compressor systems that truly understands music. It is unique in its ability to distinguish between the absolute voltage level of a signal and its loudness as perceived by the human ear. Peak Reversion Circuitry allows for fast release times without the intermodulation distortion common to other limiter designs. Linear or logarithmic release slope may be selected, and gain reduction from 0 to 50dB is displayed on a 13-step LED indicator. Wide range adjustments are provided for attack, release, threshold, range and ratio. The Gain Brain II also accepts external VCA control and "ducking" signals.

#60VP811 . . . . . **$359.00**

MODEL 813 KEPEX II - Probably used in the production of more gold records than any other Gate system, the famous "Kepex sound" is now available in the upgraded Kepex-II module. With the same wide range adjustability as the Gain Brain II, this keyable program expander system is useful for eliminating background noise, tape hiss, reverberation trails and breath noises. When used as an expander, the Kepex can effectively increase dynamic range and provide unobtrusive single ended noise reduction.

#60VP813 . . . . . **$359.00**

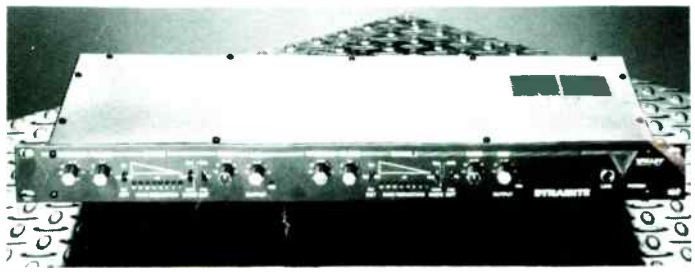
MODEL 812 MAXI-Q - The MAXI-Q is a full blown parametric equalizer on a single frame card. Each of the three bands is continuously tunable over a 7-octave range, allowing spectrum coverage previously requiring 4 or more bands. The Valley People "series filter" topology eliminates filter interaction while providing a lower noise floor. Peaking and shelving modes are selectable, and infinite notch band reject operation is made simple with the unique "tune" mode switched on. The Maxi-Q overload display continuously monitors 13 different circuit points for potential clipping distortion.

#60VP812 . . . . . **$359.00**

MODEL 815 D.S.P. - They Dynamic Sibilance Processor provides the same subtle, yet effective, action available from the stand alone Model 415.

#60VP815 . . . . . **$359.00**

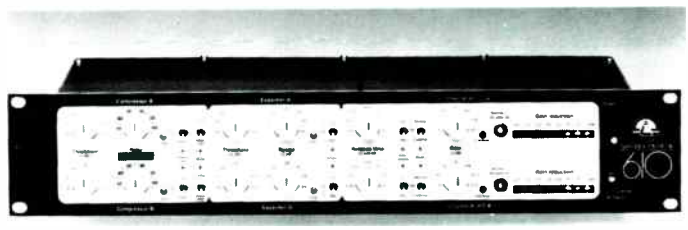
NOTE: When ordering by stock number, please use "V" suffix to specify vertical card format, and "H" to specify horizontal card formats.



VALLEY PEOPLE 430 "DYNA-MITE"

Extremely versatile for a limiter, the Dyna-Mite can be set up for a total of 18 different operating modes, including Limit (inf:1), Expand (1:2), Gate (1:20), and Duck. Proprietary circuitry allows fast attack and fast release times without "punching holes" or adding distortion. ds/FM switch adds a 75uSec network to the detector side-chain for FM use. Balanced bridging input (+24dBm max), Lo Z outputs capable of +21dBm unbalanced uses standard ¼" TRS connectors Excellent RF suppression.

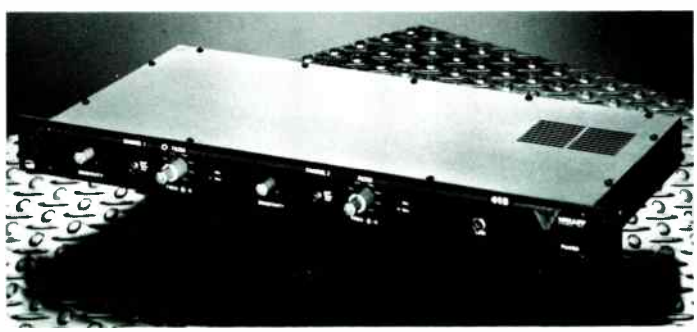
#60VP430 . . . . . **$445.00**



VALLEY PEOPLE 610 COMPRESSOR/EXPANDER

A unique stereo processor employing modern VCA technology and common compressor/expander control. The interactive mode allows compression, while simultaneously reducing residual noise which would otherwise be accentuated during low-level passages or program pauses. Included are FM pre-emphasis compensated processing, to increase apparent loudness in air-chain use, gated compression/limiting, keying and ducking. The 610 front-panel controls allow full user adjustment of all critical parameters, enabling over twenty different modes of operation. Balanced in out standard via XLR connectors.

#60VP610 . . . . . **$865.00**



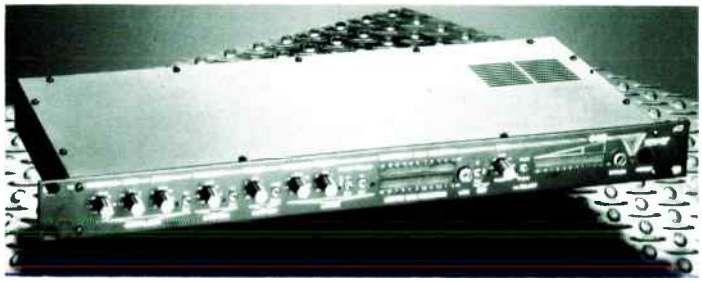
VALLEY PEOPLE 415 DYNAMIC SIBILANCE PROCESSOR

The 415 is much more than a de-esser. Most de-essers are simply specialized limiters with a frequency selective sidechain network. Sometimes that's enough in spoken word applications, but usually it's not the answer for musical vocal tracks or mixed program material. The 415 analyzes the energy present in a tunable high frequency band and compares it with the energy in the broadband signal. Sibilant energy is extracted, inverted, and added back to the original signal, neatly eliminating the sibilant components without destroying the rest of the high frequency program material. Each 415 contains two independent processors, with variable tuning, bandwidth, and sensitivity. A special "tune" mode speeds setup. Connections are line-level active differential on screw-type barrier strips. Versions the 815 are available for use with both dbx 900 series and Valley People 800 series rack frames.

#60VP415 . . . . . **$639.00**

World Radio History

VALLEY PEOPLE 440
LIMITER/COMPRESSOR/DYNAMIC SIBILANCE PROCESSOR



The 440 incorporates peak limiter, compressor, expander and dynamic sibilance controller sections which control a common voltage controlled amplifier. Proprietary circuitry found in the 440 includes Linear Integration Detection, which maintains correct musical relationships in processed material; Anticipatory Release Computation, which alters release times in response to program content; and Peak Reversion Correction to eliminate pumping and breathing effects.

The 440 operates as a compressor followed by a fast peak limiter. The limiter may also be linked to a safety clipper to eliminate extremely fast transients. The sibilance processor section compares the energy in a narrow "window" in the audio spectrum with the broadband signal level, identifying only those components of sibilance likely to cause overload and distortion. Two sensitivity levels are selectable. FM pre-emphasis compensated compression/limiting and an "auto-mode" for single knob operation are also switch-selectable.

#60VP440 ..... **$555.00**

dbx 900 SERIES

When a variety of signal processing needs must be met and rack space is at a premium, the 900 Series is the answer. Up to 9 modules fit in a single 5¼" rack frame. Select one or more 900 Series mainframes, and add any selection of models for your tailored system:

900 POWERED RACK
#60DB900 ..... **$465.00**
902 DE-ESSER
#60DB902 ..... **$295.00**
903 OVER-EASY® COMPRESSOR
#60DB903 ..... **$295.00**
904 NOISE GATE
#60DB904 ..... **$295.00**
905 PARAMETRIC EQUALIZER
#60DB905 ..... **$309.00**
933 DISTRIBUTION AMP/MIXER
#60DB933 ..... **$179.00**
TYPE II 2 CHANNEL ENCODER
#60DB941 ..... **$219.00**
TYPE II 2 CHANNEL TAPE AND DISC DECODER
#60DB942 ..... **$229.00**
TYPE I ONE CHANNEL ENCODER/DECODER
#60DB911 ..... **$259.00**
BLANK PANEL FOR 900 SERIES FRAME
#60DBBP **$10.00**

dbx 160X

The Model 160X provides the studio operator, broadcaster or sound reinforcement specialist with performance and flexibility in a slimline rack mount package. The 160X is the only compressor/limiter that offers you the choice of "over easy" or hard-knee operation, regardless of compression ratio selected. Includes a precision dual-display system with an expanded range for continuously monitoring gain reduction as well as input or output levels.

#60DB160X **$378.00**

dbx 165A COMPRESSOR/LIMITER

A single channel unit, the 165A is a most advanced compressor/limiter. Besides the standard dbx circuit advantages, the 165A uses "over easy" compression–you literally cannot hear it working. Other features include variable threshold, LED threshold indicators, compression ratio adjustable from 1:1 to infinite:1 (or auto attack and release) output level, meter with selectable functions, detector patch point, system bypass switch, and switchable stereo coupling. 3½" x 19" rack mounting.

#60DB165 ..... **$585.00**

dbx 166

The dbx 166 dual channel processor provides a complete range of signal processing. Capable of stereo coupled or dual mono-operation, the 166 uses dbx's Over-Easy compression with adjustable threshold and ratio adjustable from 1:1 to infinity:1. The effective, easy to use noise gate has an adjustable threshold, fixed attack time, and switchable release rate. The "intelligent clipper" yields absolute peak limiting. Other features include side chain monitoring, rackmount, and hardwire bypass. Differential input; unbalanced high impedance output up to +21dBm.

#60DB166 ..... **$459.00**

ROLAND DEP-5 MULTI EFFECTS PROCESSOR

Until now, only high priced multi effects processing devices have been able to combine more than one effect to perform more than one effect at one time. This has all changed with the introduction of the new Roland DEP-5 simultaneous Digital Effects Processor, the first multiple effects device that allows its effects to be used together. The Roland DEP-5 is a high quality effects processor with digital reverb, digital chorus, parametric equalizer, and echo. Add on the MIDI capability, Stereo In and Out, and you have one of the most powerful signal processors available today. The DEP-5 is equipped with 99 programmable memory locations for storing various settings.

#60RODEP5 ..... **$765.00**

World Radio History

dbx 163X

The 163X is an upgraded version of the popular 163. Using their proven "over easy" compression, dbx has added a second control so that now you can adjust the level as well as the amount of compression. Additionally, the 163X is designed so that two units can be coupled together in a 19" rack mountable format (pictured) using the optional rackmount kit.

#60DB163X **$136.00**

ALSO AVAILABLE:

dbx 263X SINGLE CHANNEL DE-ESSER

#60DB263X **$136.00**

ACCESSORY:

DUAL RACKMOUNT KIT

#60DBRM182 ..... **$36.00**

dbx 150X

By now, nearly everybody knows that dbx noise reduction can provide an effective dynamic range of 110dB from any conventional analog medium. That means high overload immunity and freedom from hiss.

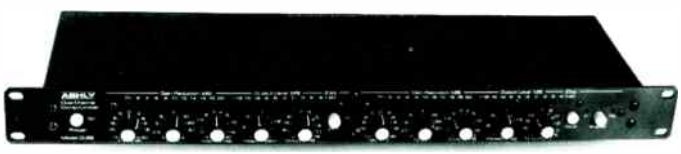
dbx Type 1 noise reduction is the standard used by major studios worldwide and is well suited to any wideband medium such as multitrack recording, STL systems, and broadcast carts. The 150X is a half rackmount Type 1 system with 2 channels of encode, 2 channels of decode and IHF-type unbalanced input and output connections. Rack hardware is included to mount one or two units in a single space.

#60DB150X **$219.00**

dbx 463X

The dbx model 463X is the simplest, easiest-to-use noise-gate expander on the market. (It's also easy on the budget.) The 463X has a single-slider which enables quick setting of the amount of gating. There's also a knob for setting the threshold point where this gating occurs. In an instant you can change the gating characteristics.

#60DB463X **$136.00**



ASHLY CL-52

The CL-52 is one very good reason why there are now over 10,000 Ashly limiter/compressors in studios and on the road. Using dbx VCA's with soft-knee detector characteristics, peaks are kept under control without destroying subjective dynamic range. A dual constant release circuit is used, preventing pumping and breathing effects. Separate adjustments are provided for attack time, release time, and compression ratio. Ten-segment LED indicators for each channel can display gain reduction or output level.

#60ASCL52 ..... **$383.00**

dbx 180A

Using dbx Type I circuitry, the 180A offers 30dB of noise reduction with a 10dB increase in headroom. Active balanced high level inputs are provided, and the +24dBm output drive capability has provisions for optional output balancing transformers. The two encode and two decode channels may be used simultaneously. Rack mounting.

#60DB180 ..... **$507.00**

OPTION:

dbx 140A - As above except using dbx Type II circuitry.

#60DB140 ..... **$507.00**

ATI EM1000 EMPH-A-SIZER

The Emph-A-Sizer combines several audio processing functions into a versatile, integrated system. It includes a program-controlled signal gate with adjustable time delay, sensitivity, depth and speed of fade, in combination with a gated compressor-limiter. Four parametric equalizer sections are switchable pre, post, or side chain. Mic and line inputs and outputs are provided. In broadcast, use the Emph-A-Sizer as a D.J. microphone processor, switchable for each announcer. On sports remotes, use it as a crowd-noise ducker, compressor/line limiter and telephone equalizer. In sound reinforcement, use automatic level control to prevent overloads, equalizers to notch out critical room and speaker resonances. Side chain equalization controls energy at feedback frequencies to allow higher overall level. Available with transformer or active balanced outputs.

#60AIEM1000 ..... **$1,395.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

ESE 510E TIMER

The ES 510E is a four digit, sixty minute timer (59:59) with start, stop and reset controls (single pole, momentary pushbutton). Runs continuously unless stopped or reset. If stopped, display will hold time reading and when restarted will continue with next count from last displayed figure. Reset returns display to all zeros.

ESE 510E TIMER
#60ES510E **$164.00**

ESE 510ED TIMER with Remote Connector, 6' cable, and control switch set.
#60ES510ED **$195.00**

ESE510ER TIMER with Remote Connector.
#60ES510ER **$179.00**

ESE 112E/124E CLOCKS

The ES 112E (12 hour) and ES 124E (24 hour) are solid state, CMOS, six-digit clocks. Three simple controls (fast advance, slow advance and hold) make setting to the precise second easy. Optional CMOS compatible BCD output can drive two slaves.

ESE 112E
#60ES112E **$169.00**

ESE 124E
#60ES124E **$169.00**

ESE 301E/302E UP/DOWN TIMERS

The ES 301E is a four digit, one hundred minute timer (99:59). Minutes and seconds can be advanced simultaneously or independently in order to pre-set for a specified countdown. This preset time will be automatically held until the timer is started. Counting can be activated up or down from that point or set back to zero. When the "Stop" control is pressed the four digit display is held. Counting direction (up or down) can be changed or time can be reset to zero without stopping the count. It will continue to register elapsed time beyond the zero setting unless stopped.

With the ES 302E the user can preset times much faster than with the ES 301E, because level-wheel type switches are used for the preset feature.

ESE 301E
#60ES301E **$242.00**

ESE 302E
#60ES302E **$309.00**

AUDIOLAB AT-1200 AUDIOTIMER

This versatile accessory timer provides 3-way operation, timing events in production or on-air use. Remote operation of all functions is available at a rear-panel molex connector. Timing can be started by contact closure, voltage pulse, positive voltage or audio level. This 4" x 3" panel mount unit displays elapsed time up to 10 minutes in normal mode. Four digit LED display, ½ second resolution, 0.001% accuracy typical.

#60AU1200 . . . . . **$152.00**

ALSO AVAILABLE:
D6 1400 CLOCK
#60AU1400 . . . . . **$136.00**

ACCESSORY:
RACK MOUNT FOR 4 AUDIOTIMERS
#60AUAT19RM **$40.00**

ESE 720 SERIES PROGRAMMABLE CLOCK

The 720 Series is designed to provide microprocesser based programmability in an economical manner. Ten events occur on 10 isolated output channels, in the form of momentary reed relay contact closures. Latched outputs may be specified at time of order, and events will serve to "unlatch" the previous event. Programmming is accomplished with the front panel keypad or "on the fly". The events can be stored randomly, outputs can be activated simultaneously, and stored events can be temporarily disabled.

Battery, battery charger and crystal time base are incorporated to prevent malfunction due to power interruption. Data is displayed on bright red .4" LED's and the unit may be provided with a 24 hour clock or 24 hour pre-settable up/down timer for comparison. A version with a SMPTE Time Code Reader for comparison is also available.

ESE 720 - with 24 hour clock
#60ES720 . . . . . **$845.00**

ESE 727 - with 24 hour up/down timer
#60ES727 . . . . . **$1,150.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ESE 562E/564E CLOCK/TIMER

The ESE 562E (12 hour) and 564 (24 hour) are combination six-digit clocks and count-up timers. Since the clock and timers are independent, switching between the clock and timer modes has no effect on either's status. The timer may be reset to zero and the clock may be tapped in either mode.

ESE 562E
#60ES562E **$319.00**

ESE 564E
#60ES564E **$319.00**

RADIO SYSTEMS STUDIO TIMER

Radio Systems now improves their industry standard timers to read up to 23:59:59. The TM-2 is operated by the front panel pushbuttons. The TM-2R can also be interfaced with external devices to automatically reset to zero and then count and display last-event timing. Barrier strip connections on the TM-2R permit use with up to six tape machines, turntables or other studio sources. Easy to operate and read.

TM-2
#60RATM2 . . . . . **$159.00**

TM-2R WITH REMOTES
#60RATM2R **$175.00**

LOGITEK T-100

Logitek's T-100 timers are rugged reliable and easy to use. Each T-100 operates in count-up and count-down mode with a 99 minute, 59 second range displayed on bright, orange digits. In count-up mode, grounding the rear-panel reset jack externally resets the time to 00:00 and restarts the upward count. In count-down mode, independent preset pushbuttons for each digit make the T-100 easy to set.

T-100 ACE STAND ALONE UNIT (pictured)
#60LTT100ACE **$245.00**

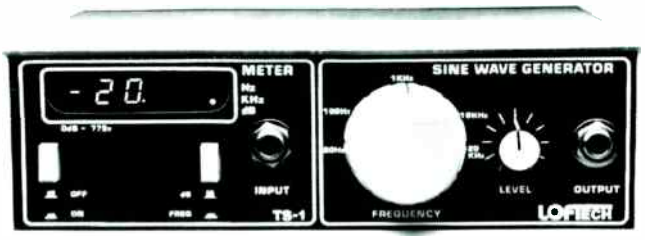
T-100 ACB STAND ALONE UNIT - with buzzer and control output.
#60LTT100ACB **$295.00**

T-100 ACR 3½" RACK MOUNTABLE UNIT
#60LTT100ACR **$295.00**

T-100 ACBR RACK MOUNTABLE UNIT - with buzzer and control unit.
#60LTT100ACBR **$319.00**

All ESE clocks and timers have a wide variety of options and accessories. Additionally, complex Master Clock systems are also available. Call 800-732-7665 and let Bradley put an ESE system together for you.

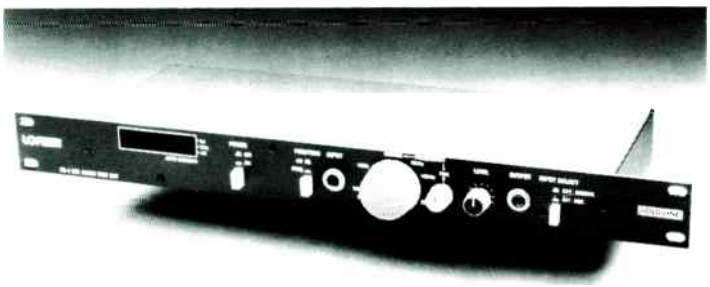
World Radio History



LOFTECH TS-1

An affordable multi-function audio test set, the TS-1 combines sine wave generator, dB meter and frequency counter in one compact unit. Oscillator output is adjustable from -68dBm to +10dBm into 600 ohms, over a range of 10Hz to 30kHz. The dB meter indicates -50 to +24dB (0=.775V) with ±1dB accuracy 20-20kHz. A four-LED readout in counter mode reads from 1Hz to 99.99 kHz with 1Hz resolution to 9.9kHz, 10Hz resolution 10-99.99kHz. Weighs only 2 lbs. Excellent for line checking, recorder maintenance, and general purpose shop use. Two year warranty.

#60LOTS1 ..... **$232.00**



LOFT TS-1R

The TS-1R is an improved rackmount version of the Loft TS-1, including rear panel screw type barrier connections which are normalled through the front panel jacks. A separate vernier adjustment of oscillator frequency is provided, and INT/EXT meter switching allows for rapid A/B level comparisons.

#60LOTS1R **$269.00**

GOLDLINE MODEL 30 DIGITAL ANALYZER

This top-of-the-line digital analyzer uses a microprocessor to manage a super-accurate, switched-capacitive filter system. Simple keypad entered instructions select: 1, 2 or 3dB steps; Average, Peak, or Quasi-Peak detection; flat or A-weighted response; three decay rates; storage and recall of six memories; and Auto or Manual reference level (displayed in dB). Line input accepts -88dBm to +18dBm. Three microprocessor expansion ports allow additional capabilities.

#60GO30 ..... **$1,755.00**

MODEL 30 OPTIONS: (Call for pricing)

001 Duplicate Line and Mic Jacks on Rear Panel
003 Balanced XLR Line Input on Rear Panel
008 Variable Pink Noise Control on Front Panel
009 Balanced ¼" TRS Pink Noise Jack on Rear Panel
002 Printer Interface Card - 8-bit parallel, Centronics and Epson compatible. 30 non-volatile memories battery-protected for up to 5 years. Provides hard copy of analyzer readout and control settings on plain 8½" x 11" paper.

AUDIO CONTROL INDUSTRIAL SA-3050 REALTIME ANALYZER

The SA-3050 uses a state-of-the-art microprocessor based design, breaking all of the cost vs. performance tradeoffs typical of older designs. The filters used in the 3050 meet the standards specified by ANSI S1.11-1971 for a Class-II, Type-E filter set. Obviously, this is no toy. Three different inputs are provided: XLR-balanced (with +12VDC phantom power) at mic level, ¼" TRS balanced bridging line, and 1-Meg unbalanced BNC. The adjustable internal digital pink noise generator is capable of providing up to 150mW to a 4 ohm load, so it will drive just about anything. The LED dot graph display features user selection of three different display speeds (plus "Freeze"), four different display scales, and a 60dB, 10dB per step attenuator with a detented trim control having a range of ±10dB. Six different non-volatile memories are provided for convenient reference comparisons or standard curves. Throughout 1987, ACI will be introducing new options for the 3050, including 19" rackmount, rechargeable internal battery system, parallel printer output port, and soft field case. This is unquestionably one of the most exciting and cost-effective new products. Price includes condensor microphone.

#60AOSA3050P **$850.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

FOSTEX TT-15

This is the hottest! Not much larger than a cigarette pack, the TT-15 oscillator is housed in a rugged metal casing. It includes pushbutton selection of tones at 40, 400, 1k, 10k, and 15kHz, with distortion typically less than 0.02%. A 3-position attenuator provides output levels of 0dBv, -10dBv, and -30dBv with insignificant level shift when changing from a bridging load to a 150ohm load. An internal 9V battery provides very reliable operation. A "must" for your field kit and your bench.

#60FOTT15 ..... **$39.95**

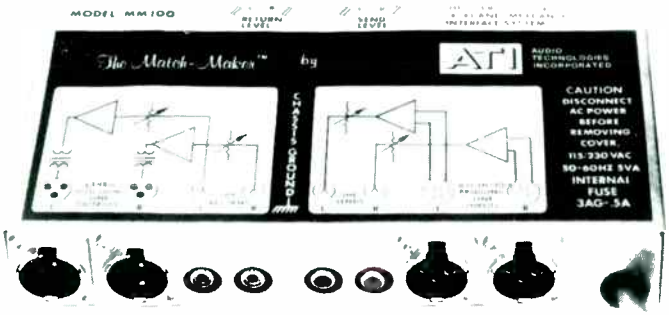
RANE RA27 REALTIME ANALYZER

The RA27 is a handy, single rackspace realtime analyzer. The display frequencies are on ISO ⅓ octave centers from 40Hz to 16kHz, and the innovative three-color LED display is switchable for ±1dB or ±3dB sensitivity. Built in pink noise generator. A flat response condensor mic, with 40' cable and case, are included, and there are auxiliary mic and line inputs on the rear panel.

#60RNRA27 ..... **$469.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History



THE MATCHMAKER

Loading, distortion, hum loops, RF pickup, and high frequency roll off can be problems when interconnecting consumer (unbalanced, IHF) and professional (600 ohm, +4dBm) equipment. The Matchmaker solves these problems with less than 0.01% THD, 20 to 20kHz with +1, −0.25dB response, and over 98dB of dynamic range. Exceptional performance for a unit with transformer balanced outputs. Optional rack panel holds one or two units in a single rack space.

#60AIMM100 ..... **$249.00**

ACCESSORY:
RACK PANEL

#60AI20273 ..... **$22.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ATI L-1000 PRECISION DUAL LINE AMPLIFIER

The L-1000 provides 34dB of gain for solving numerous control room problems. Low noise, high impedance balanced input bridges +24dBm lines with 50dB hum rejection. Stackable, or use the optional rack mounts.

L-1000-1 TRANSFORMER OUTPUT

#60AIL10001 ..... **$345.00**

L-1000-2 BALANCED DIFFERENTIAL OUTPUTS

#60AIL10002 ..... **$345.00**

SUPERELAY

Hundreds of engineers have built little "black boxes" of relays to tie up "loose ends". Now Henry Engineering does it for you!

Superelay is a multi-purpose control interface for use in broadcast station control rooms, A V systems, or any installation requiring multiple circuit control. Superelay is ideal for controlling the various equipment functions that need to be switched when, for example, a Control Room Mic is turned On, e.g., EBS receiver mute, intercom speaker defeat, telephone bell disconnect, skimmer recorder start, "On The Air" warning lights on, etc. Superelay can be controlled by virtually any console's muting output, or by any external switch, either momentary or maintained, or by CMOS/TTL. It provides two types of outputs: relay and switched AC. Six double pole relays can be used for low-voltage and audio switching; a switched AC output will directly power up to 300 watts of "warning lights" (without buzz, pops or arcs) and make them flash using the built-in, defeatable flasher. Superelay can also be connected to any dial-up telephone line for control of equipment when the line rings. Keep an extra handy for those "emergency" jobs.

#60HESR **$165.00**

THE HENRY MATCHBOX

The Matchbox is a four amplifier unit used to interconnect IHF standard (10k −10dB) with professional broadcast standard (600/+4dB) equipment. Full bi-directional stereo interface is provided. All circuitry is active and direct coupled. Excellent specifications. A convenient AC outlet is provided.

#60HEMATCH **$165.00**

TASCAM LA-40

This compact 4-channel line amplifier permits interconnection between +4dBm and -10dBv devices and matches balanced and unbalanced systems. Each of the four channels contains one section of balanced input (+4dBm or -10dBv) to unbalanced output (-10dBv), and one section of unbalanced input (-10dBv) to balanced output (+4dBm or -10dBv). Each section can be used separately, or in series. 20Hz-20kHz ±0.5dB, S N 95dB or better, crosstalk 85dB, CMRR 70dB (ref: 1kHz), THD 0.008% at ±10dBm. 19" rackmount.

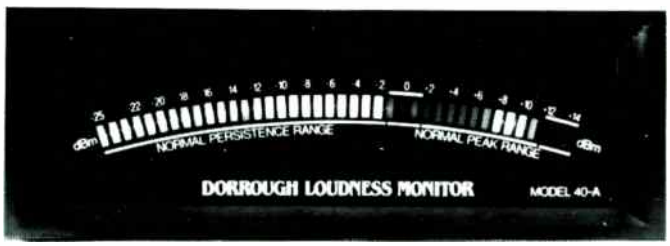
#60TELA40 ..... **$299.00**

World Radio History

RADIO SYSTEMS DM METERS

These beautiful, high definition meters are tri-colored and switchable for peak level or VU indication. One double sized segment lights and holds to display audio peaks. Internal, independent level sets are provided for left, right and peak-hold channels. The meters are available in a counter top box, or rack mounted in groups of 1, 2, 3, or 5 meters. The meter can also be purchased with a bracket and bezel for custom mounting. Every meter is provided with a companion power supply/amplifier board that provides all operating voltages and balanced audio inputs.

DM-2 TABLE TOP BOX
#60RADM2 ..... $415.00
DM-R1 SINGLE METER RACK
#60RADMR1 ..... $435.00
DM-R2 DUAL METER RACK
#60RADMR2 ..... $840.00
Call Bradley Broadcast for pricing on other configurations.

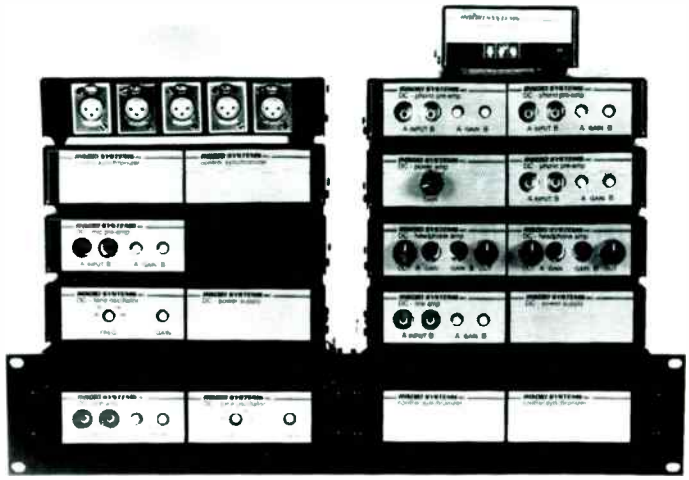


DORROUGH MODEL 40-A LOUDNESS MONITOR

The war has raged on for years: VU vs. PPM metering. The VU meter provides an indication of loudness without telling you what's going on electrically. The PPM lets you see the peak levels your electronics have to deal with, but is of limited utility for judging loudness levels. The Dorrough Loudness Monitor uses a tri-color 40-LED array operating simultaneously in bargraph mode (to display perceived loudness) and in bright-dot mode (to display electrical peak levels). Display range −25 to +14 dBm. Input: screw-terminal direct-coupled stereo balanced bridging. Zero reference −30 to +20dBm.

#60DR40A $475.00

The broadcast professionals at Bradley can help you find the solution to your most troublesome problems. Service and engineering, along with prompt delivery and low prices, all make the difference at Bradley.



RADIO SYSTEMS DCX NETWORK

"DCX" stands for "DC external". It's a unique system of a-la-carte modules, power supplies, and cabinets, letting you configure your own audio systems. Any two boards may be mounted in a single enclosure, including an internal power-supply module, if desired. Add a phono preamp module to a power amp module, and you've got a great auditioning system. The system uses bipolar 18 volt power, and the external supply is capable of powering several different DCX modules. Specifications are excellent. For example, the line amp modules have typical S/N ratios in excess of 80dB, THD under .02%, and output up to +25dBm. Contact Bradley for configuration assistance and discount pricing.

DUAL LINE AMP
#60RADCLA $69.00
DUAL STEREO HEADPHONE AMP
#60RADCHP $69.00
DUAL MIC PREAMP
#60RADCMA $69.00
FOUR FREQUENCY OSCILLATOR
#60RADCOS $69.00
STEREO PHONO PREAMP
#60RADCPA $69.00
12-WATT MONO POWER AMP
#60RADCPW $69.00
TURNTABLE LOGIC SYNCHRONIZER
#60RADCTTS $69.00
18-WATT INTERNAL POWER SUPPLY
#60RADCPS18I $89.00
36-WATT EXTERNAL POWER SUPPLY
#60RADCPS36S $99.00
UNIVERSAL ENCLOSURE
#60RADCCBU $39.00
SINGLE ENCLOSURE RACKMOUNT
#60RADCRK1 ..... $39.00
DUAL ENCLOSURE RACKMOUNT
#60RADCRK2DCX $49.00

ALSO AVAILABLE:
DC-5MA - The DC-5MA 5-channel low noise, high performance microphone preamp, fully assembled (requires external power supply). S/N ratio −97dB, crosstalk is below the noise floor.

#60RADC5MA $325.00
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

EXCALIBUR "T" AND "H" PADS

Don't be a "resistor twister"! Inexpensive preassembled "T" and "H" pads make for neater installations anywhere in your station. Each type available in 6, 10 and 20dB loss configurations. Mounted on 6-32 threaded stud for best installation.

6dB "H" PAD
#60EX6H **$1.80**
6dB "T" PAD
#60EX6T 6dB **$1.80**
10dB "H" PAD
#60EX10H **$1.80**
10dB "T" PAD
#60EX10T **$1.80**
20dB "H" PAD
#60EX20H **$1.80**
20dB "T" PAD
#60EX20T **$1.80**
MINIMUM ORDER 10 UNITS, ANY ASSORTMENT

POWER OUTLETS

(1) ANTRONICS VL-605 - A heavy duty six outlet box with on/off switch and resettable circuit breaker.
#61ANVL605 ..... **$18.00**
(2) BROOKS 213BC - An inexpensive 19" rack mount panel with six outlets, on/off switch and resettable circuit breaker.
#61BR213BC **$32.00**
(3) FURMAN PL-8 - The PL-8 Power and Light Module from Furman Sound is an innovative and affordable solution to two of the most common problems: how to cleanly and conveniently provide power to all the units and how to clearly read and adjust the controls in the dim light and harsh shadows encountered on the road and in the studio. The PL-8 solves these problems. Its eight outlets provide switched power (up to 10 amps total) and its two slide-out light fixtures provide illumination for all the effects in the rack. Other features include separate switches for the AC outlets and the lights, a 10 amp circuit breaker, and a status light indicating when power is applied to the rear outlets.
#60FUPL8 ..... **$119.00**

WIRE

Bradley Broadcast Sales can provide a complete selection of wire for your station or studio. We offer low prices and prompt delivery on custom connectorization of multi-pair cable. We've listed our two best sellers below.

WEST PENN 291

Two conductor shielded cable with solid drain wire and overall shield. Perfect for audio connections and conveniently packaged in 1000' reels.
#60WP291 ..... **$63.00**

AUDIO TECHNICA 8300 MIC CABLE

Our heavy duty mic cable is available in all lengths.
#60AT8300 ..... **30¢ per foot**

NEUTRIK CONNECTORS

Unique, advanced features and easy installation characterize these connectors. XLR male and female connectors and ¼" plugs feature a special "chuck-type" strain relief which encircles the cable, tightening as the end is screwed into position. Conductive outer shells are an alloy finished in satin nickel. Pins and sockets are silver-plated for maximum conductivity. XLR connectors available in straight or right angle format. The right angle connectors swivel at 45° intervals when assembled for maximum packing density. ¼" chassis mount phone jacks feature push-button-release locking system to prevent accidental disconnects.

(1) ¼" 2 CONDUCTOR PHONE PLUG
#61NTNP2C **$2.05**
¼" 3 CONDUCTOR PHONE PLUGS
#61NTNP3C **$2.95**
(2) ¼" 3 CONDUCTOR LOCKABLE CHASSIS JACK
#61NTNJ3FP6C **$3.50**
(3) XLR MALE 3-PIN CABLE CONNECTOR
#61NT3MC **$2.05**
(4) XLR FEMALE 3-PIN CABLE CONNECTOR
#61NT3FC **$2.45**
(5) XLR MALE 3-PIN RIGHT ANGLE CABLE CONNECTOR
#61NT3MRC **$5.49**
(6) XLR FEMALE 3-PIN RIGHT ANGLE CABLE CONNECTOR
#61NT3FRC **$5.85**
(7) XLR MALE 3-PIN PANEL CONNECTOR
#61NT3MP **$2.09**
(8) XLR FEMALE 3-PIN PANEL CONNECTOR
#61NT3FP **$2.69**

CALL FOR PRICING ON YOUR SPECIAL CONNECTOR REQUIREMENTS!

WHIRLWIND ACCESSORY BOXES

(1) WHIRLWIND IMP-2 - High quality passive direct box with a ground lift switch and bridged output.
#61WHIMP2 ..... **$28.50**
(2) WHIRLWIND DIRECTOR - Professional construction of this direct box gives road durability with studio performance. Due to the TRHL-M transformer and custom circuitry, loading, distortion and signal loss are essentially eliminated. Mu-metal shielding is included for electromagnetic and RF isolation. With no need for a battery, or external power, you avoid related problems.
#61WHDIR **$59.00**
(3) WHIRLWIND IMP SPLITTER - Allows a single input to be split into two or three signals. Low impedance.
#61WHMS2 1 x 2 Splitter **$41.50**
#61WHMS3 1 x 3 Splitter **$51.50**
(4) WHIRLWIND IMP COMBINER - Combines two low impedance signals into one low impedance output. Features phase reverse switch to either match phase or two throw mics out of phase for special miking.
#61WHCOMB **$44.50**
(5) WHIRLWIND PHASE REVERSE - A handy back-pocket style adaptor for reversing phase on low-impedance lines.
#61WHPR **$9.50**
(6) WHIRLWIND IMP-PAD - A low impedance in-line pad.
#61WHPAD10 – 10dB Pad **$13.50**
#61WHPAD20 – 20dB Pad **$13.50**
#61WHPAD30 – 30dB Pad **$13.50**

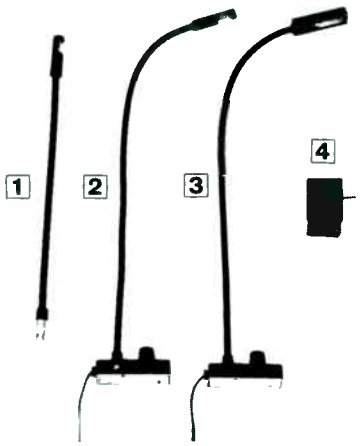
WHIRLWIND CABLE TESTER

The Whirlwind tester provides a fast and easy way to determine the condition of your cables. There are no switches or buttons to push when testing cables (except for a power-on switch) which leaves both hands free. In a convenient pocket-sized package, the Whirlwind Tester accepts all of the standard audio connectors, and through the intelligent use of LED's, gives you straight-ahead information about the condition and phasing of your cables.
#61WHTR **$42.00**

AKG CT-100

Reusable plastic tie–great for keeping cables neatly hanked. Cables can also be hung.
#61AKCT100 ..... **50 for $ 19.00**

World Radio History



LITTLELITE GOOSENECK LAMPS

(1) LITTLELITE 12G - 12" lamp for mounting to consoles that already have a mount. (BNC connector).
#61LL12G **$19.00**

(2) LITTLELITE 2/18A - An 18" lamp kit featuring hi-lo-off switch. 12 volt operation.
#61LL2A **$25.50**

(3) LITTLELITE 3/18A - An 18" high intensity quartz halogen lamp kit with hi-lo-off switch. 12 volt operation.
#61LL3A **$33.00**

(4) LITTLELITE WXF - AC adapter for 2/18A or 3/18A.
#61LLWXF **$10.00**

BIG LIGHT GOOSENECK LAMPS

Goldline Big Light goosenecks are 18" goosenecks with high or low intensity bulbs in AC powered versions or with BNC connector versions for consoles with built-in connector.

BL/ACH - High intensity lamp. AC powered with intensity control (supplied with mounting hardware).
#60GOBLACH **$37.50**

BL/ACL - Low intensity version.
#60GOBLACL **$29.95**

BL/BNCH - High intensity BNC gooseneck.
#60GOBLBNCH **$27.50**

BL/BNCL - Low intensity BNC gooseneck.
#60GOBLBNCL **$20.00**

ALSO AVAILABLE:

GOLDLINE RACK-LITE

The Rack-Lite is a handy low intensity light with a magnet that will supply the extra light needed behind racks or in dark equipment spaces.
#60GORL20 ..... **$12.95**

MAGNETIC REFERENCE LABS TEST TAPES

We carry the full line of MRL test tapes for all types of reel and cartridge recorders. Spot frequency tapes are for overall frequency response checking, fast sweep or pink/white noise tapes are for frequency response or phasing verification. Slow sweep tapes are for use with X-Y plotters. Alignment tapes for 1" machines and for 30 IPS also available.

¼" SPOT FREQUENCY, 15 IPS
#60ML21J205 ..... **$50.00**
¼" SPOT FREQUENCY 7.5 IPS
#60ML21T204 ..... **$50.00**
¼" FAST SWEEP, 15 IPS
#60ML23J137 ..... **$50.00**
¼" FAST SWEEP, 7.5 IPS
#60ML23J136 ..... **$50.00**
¼" SLOW SWEEP, 7.5 IPS
#60ML24T104 ..... **$50.00**
¼" WHITE NOISE, 7.5 IPS
#60ML27T104 ..... **$50.00**
½" SPOT FREQUENCY, 7.5 IPS
#60ML31T218 ..... **$99.00**
½" FAST SWEEP, 7.5 IPS
#60ML33T139 ..... **$99.00**
½" SLOW SWEEP, 7.5 IPS
#60ML34T118 ..... **$99.00**
½" PINK NOISE, 7.5 IPS
#60ML38T118 ..... **$99.00**

NORTRONICS AT-120 ALIGNMENT TAPE

A 7½" IPS, ¼-track reel alignment tape for mono or stereo. Contains 7-frequency response test, sweep tone, wow/flutter tone, and NAB standard reference level. Original recording–comes with actual frequency response graph plotted during mastering.
#61NOAT120 ..... **$58.00**

NORTRONICS AT-200B CASSETTE ALIGNMENT TAPE

Cassette machines need periodic alignment just as reel and cart machines do. The AT-200B is an original master recording and conforms to IEC/NAB standards. Tests include 7 spot frequencies, 400Hz Dolby calibration tone, pink noise and sweep tone for stereo phasing, and 3150Hz pilot tone for wow and flutter measurements.
#61NOAT200B **$53.00**

We are pleased to accept Visa, MasterCard and American Express for all purchases. Please contact Bradley Broadcast for information on establishing an open account.

AUDIOLAB TD-1B DEGAUSSER

This sturdy tabletop eraser completely degausses any magnetic media up to ¾" thickness on reel sizes up to 10½". Pushbutton switch prevents accidental burnout from leaving unit on, and an automatic thermal protector is included to prevent overheating. Eraser duty cycle is one minute on, three minutes off.
#60AUTD1B **$112.00**

AUDIOLAB TD-4 DEGAUSSER

Designed for heavy use, this unit erases up to 14" reels, 1" wide. Adjustable "on" cycle, cooling fan and automatic shut-off for trouble-free operation. Use for audio, video, computer and cartridge tape.
#60AUTD4 ..... **$799.00**

ALSO AVAILABLE:
AUDIOLAB TD-5 DEGAUSSER - For 2" video tape.
#60AUTD5 ..... **$895.00**

FIDELIPAC 400 TABLETOP ERASER

Dependable and attractive, this Fidelipac tabletop eraser is an excellent choice for erasing audio tape on reel, cassettes, or cartridges.
#60FP400 ..... **$101.00**

NORTRONICS BULK ERASER

Powerful 60Hz magnetic field erases reels, cassettes and cartridges to level of virgin tape. Useable for tapes up to ½". Microswitch activates with fingertip pressure and de-activates when switch is released. Burn-out proof design. Case contoured to fit comfortably in the hand.
#61NOPF211 ..... **$46.00**

World Radio History

PROFESSIONAL RECORDING TAPE

AMPEX

MODEL	ITEM NO.	SIZE	REELS PER CTN.	CARTON PRICE	SINGLE PRICE
456	#61AM456151111	¼" x 1200' x 7"	10	$ 95.00	$ 10.95
456	#61AM45617611T	¼" x 2500' HUB	10	117.00	12.60
456	#61AM456173111	¼" x 2500' x 10½"	10	215.00	23.50
456	#61AM456273111	½" x 2500' x 10½"	7	230.00	37.00
456	#61AM456573111	1" x 2500' x 10½"	5	295.00	65.00
406	#61AM406151131	¼" x 1200' x 7"	10	$ 68.00	$ 7.50
406	#61AM40617613T	¼" x 2500' HUB	10	95.00	10.20
406	#61AM40617313J	¼" x 2500' x 10½"	10	175.00	18.95

SCOTCH

MODEL	ITEM NO.	SIZE	REELS PER CTN.	CARTON PRICE	SINGLE PRICE
226	#61SC226141200	¼" x 1200 x 7"	12	$ 102.00	$ 9.00
226	#61SC2261425H	¼" x 2500' HUB	12	145.00	13.00
226	#61SC226142500	¼" x 2500' x 10½"	12	256.00	23.00
226	#61SC226122500	½" x 2500' x 10½"	10	390.00	42.00
226	#61SC226102500	1" x 2500' x 10½"	5	334.00	72.00
806	#61SC806141200	¼" x 1200' x 7"	12	$ 89.00	$ 8.00
806	#61SC8061425H	¼" x 2500' HUB	12	122.00	11.00
806	#61SC806142500	¼" x 2500' x 10½"	12	223.00	20.00

AMPEX Tape Types
456 - Grand Master, 1.5 mil, Backcoated
406 - Mastering, 1.5 mil, Backcoated
407 - Mastering, 1.0 mil, Backcoated - Call for pricing

SCOTCH Tape Types
226 - Highest Headrooom, Low Print-thru, 1.5 mil, Backcoated
806 - Low Noise, High Output, 1.5 mil, Backcoated
807 - Low Noise, High Output, 1.0 mil, Backcoated - Call for pricing

7" REELS - PLASTIC 10½" REELS - METAL

MULTIPLE CASE DISCOUNTS AND ALL OTHER TAPE CONFIGURATIONS AVAILABLE!

S-711 INTRACLEAN HEAD CLEANER

S-711 Intraclean is the tape head, capstan, and pinch roller cleaning solution used by the top manufacturers. Formulated of halogenated hydrocarbons S-711 removes the toughest oxide deposits. It contains no alcohol (which can dry out pinch rollers) and its controlled evaporation rate combines maximum cleaning power with fast drying. Available in two ounce bottles and quart cans.

TWO OUNCE BOTTLE
#60ICS711 ..... $5.90
QUART CAN
#60ICS711Q $22.95

ALSO AVAILABLE:

COTTON CLEANING SWABS - With 6" highly polished maple stick. The tip is tightly wound and mounted with solvent resistant glue to prevent unraveling. Available 100 or 1000 to a package.

100 SWABS
#60BBCS100 ..... $2.85
1000 SWABS
#60BBCS1000 ..... $16.50

INTRACLEAN HEAD DEMAGNETIZER

Probe reaches into the tightest spaces to remove residual magnetism. Plastic on probe will not damage sensitive head faces. Leaf switch activates with fingertip pressure. Use on reel-to-reel, cassette and cartridge machines.

#60ICD511 ..... $19.95

SCOTCH LEADER TIMING TAPE

Timing indications appear each 7½ and 15 inches. 1500' on a 7" reel. 1.5 mil plastic for ¼" tape (other sizes also available). Use white to indicate heads out, yellow for tails.

WHITE
#61SC61W $12.80
YELLOW
#61SC61Y $12.80

EMPTY SCOTCH REELS

¼" x 7" Plastic
#61SCRB7 ..... $1.79
¼" x 10½" Metal
#61SCRNB14 ..... $12.25
½" x 10½" Metal
#61SCRNB12 ..... $21.50

TDK CASSETTE DEMAGNETIZER

An ingenious device for demagnetizing your cassette deck. Easy to use and effective.

#61TDHD01 ..... $18.30

Don't see it in our catalog? Due to space limitations, we are unable to list all of the products we supply. Call us toll-free for pricing on the items you need.

SCOTCH 620 SPLICING TAPE

66' of high quality 1.0 mil polyester for ¼" tape (other sizes also available).

#61SC620 ..... $4.00

EDITALL SPLICING TABS

Pressure-sensitive splicing tabs for magnetic tape. Splicing is easy with these precut polyester film tabs. No trimming or wastecutting required. Four types available, in convenient dispenser boxes.

(100) CASSETTE TABS
#61EDCX3 ..... $5.00
(100) ¼" TABS
#61EDCX1 ..... $5.00
(100) ½" TABS
#61EDCX6 ..... $7.25
(100) 1" TABS
#61EDCX8 ..... $9.00

EDITALL GREASE PENCIL

A professional white grease pencil sold by the dozen.

#61EDWP1 ..... $8.00

EDITALL RAZOR BLADES

100 single edged razor blades designed for professional splicing.

#61EDRB1 ..... $8.50

EDITALL SPLICING BLOCKS

Precision machined anodized aluminum blocks hold the tape firmly for fine quality splices. Provisions for diagonal (multi-track) or straight cuts.

CASSETTE BLOCK
#61EDS1S $20.00
¼" BLOCK
#61EDS3 ..... $21.75
½" BLOCK
#61EDS35E $26.00
1" BLOCK
#61EDS4 ..... $56.00
2" BLOCK
#61EDSA2 ..... $116.00

World Radio History

PRODECOR STUDIO FURNITURE

The Prodecor line of studio furniture is moderately priced but offers such high quality features as drilled and tapped rails inside the access ports of the side cabinet units. The large 30" by 80" console table is reinforced to eliminate warpage and includes a modesty panel. Walnut laminate vertical surface with chamois laminate tops blend for an attractive studio. Units may be purchased separately or in specially priced group packages.

CONSOLE TABLE
#60PRCT100 ..... $510.00
SINGLE BAY CABINET
#60PRSB100 ..... $295.00
DOUBLE BAY CABINET
#60PRDB100 ..... $390.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

FIDELIPAC WALL MOUNT CART RACKS

A single column wall mount rack which also forms part of the modular MR-200 rack. A fully loaded WR-25 can be removed and transferred to the MRB-1 carousel rack base.

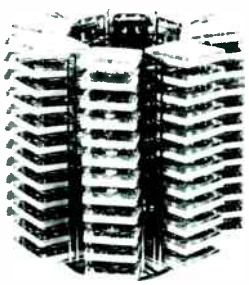
MR-200 MOBILE CARTRIDGE RACK - Holds 200 carts. Includes base and eight WR-25 racks.
#60FPMR200 ..... $295.00
CAROUSEL BASE FOR EIGHT WR25 RACKS
#60FPMRB1 ..... $69.00
WR-25 WIRE WALL RACK
#60FPWR25 ..... $28.50

PRO RAX

These beautiful and cost effective racks are the best way to store your cartridges and CD's. Mahogany construction, storage on two sides only, and small turning radii. Prices include crating. Cart carousels also available in 40, 80, 120, 160, 200 and 400 capacity units. Call for quantity discounts.

100 CAPACITY WALL CART RACK
23½"W x 24½"H x 4¾"D
#60PRW100 ..... $79.95
SPECIAL–Four or more $74.95
20 CAPACITY WALL CART RACK
5¼"W x 24½"H x 4¾"D
#60PRW20 ..... $39.95
300 CAPACITY WALL CART RACK
23½"W x 75¾"H x 4¾"D
#60PRW300 ..... $295.00
80 CAPACITY CAROUSEL CART RACK
13½" Turning Radius, 25½"H
#60PRC80 ..... $98.00
120 CAPACITY CAROUSEL CART RACK
17" Turning Radius, 25½"H
#60PRC120 ..... $138.95
160 CAPACITY CAROUSEL CART RACK
21" Turning Radius, 25½⅝"H
#60PRC160 ..... $198.00
200 CAPACITY CAROUSEL CART RACK
25" Turning Radius, 25½"H
#60PRC200 ..... $244.95
20 CAPACITY WALL OR DESK CD RACK
6¼"W x 16½"H x 4¾"D
#60PRCD20W $39.95
40 CAPACITY CAROUSEL CD RACK
16" Turning Radius, 9¼"H
#60PRCD40 ..... $69.95

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



FIDELIPAC MODULAR CART RACKS

Another smaller version of the Fidelipac modular rack concept. The TR-48 holds four 12-cart vertical racks, the TR-96 holds eight 12-unit vertical racks.

TR-48 CART RACK
#60FPTR48 ..... $77.00
TR-96 CART RACK
#60FPTR96 ..... $150.00

PROLITE ARCHITECTURAL SYSTEMS

These ProLite warning lights are functional and elegant. They measure 7½" square, and price includes two 20 watt lamps. Select the single faced model for flat wall mounting. The double faced models come in wall mounted, ceiling mounted, or pendant mounted versions. Both On-Air and Recording messages available.

ON AIR - Flat wall mount.
#60PRW6142R $81.95
ON-AIR - Double faced ceiling mount.
#60PRC6242R $104.95
ON-AIR - Double faced wall mount.
#60PRE6242R $104.95
ON-AIR - Double faced pendant mount.
#60PRP6242R $135.95
RECORDING - Flat wall mount.
#60PRW6142REC $100.40
RECORDING - Double faced ceiling mount.
#60PRC6242REC $134.95
RECORDING - Double faced wall mount.
#60PRP6242REC $134.95
RECORDING - Double faced pendant mount.
#60PRE6242REC $134.95
ALSO AVAILABLE:
BLANK PANEL
#60PRN2075 ..... $10.00
FLAT WALL MOUNT HOUSING
#60PR33W $61.95
DOUBLE FACED HOUSING
#60PR33E $60.50

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

FIDELIPAC ON AIR LIGHTS

Red lettering on black background provides a highly visible warning at your studio door that microphones are live inside. ON AIR or RECORDING legends available. ON AIR also available in eight foreign languages.

ON AIR
#60FP340 ..... $47.00
RECORDING
#60FP340REC $47.00

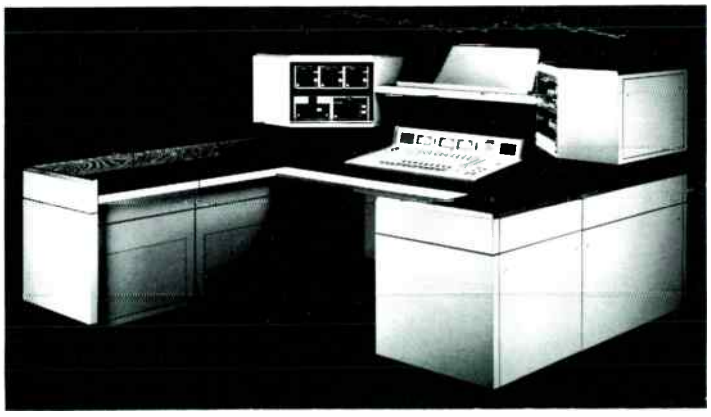
World Radio History

GRAPHIC EXPRESS MODULAR RADIO CABINETRY

The Graphic Express Corporation now offers four lines of impressive control room furniture. This cabinetry is more than just good looking, as the exacting design incorporates a large number of access panels, held with quarter-turn fasteners. Rack rails are included where specified. Operators and engineers will appreciate the practical layout, and the use of the highest grade materials insures that this furniture has good looks that last. Select Graphic Express cabinetry and you'll be rewarded with prompt delivery (stock to two weeks), ease of installation and beautiful studios.

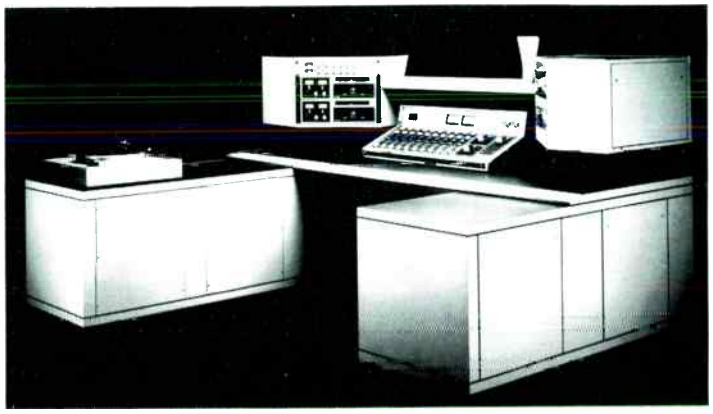
GRAPHIC EXPRESS 5000 SERIES

The industry's premier line of studio cabinetry. The stylish image of the 5000 Series not only enhances your station's look to potential advertisers and the visiting public, but serves to improve the working environment. Easily interfaced with custom components. In addition to the modules pictured above, stock modules now include slope faced racks and a unique parking garage overbridge to span reel-to-reel transport consoles. The system above has a list price of approximately $8,000. Call today for complete specifications and a package discount.



GRAPHIC EXPRESS 4000 AND 3000 SERIES

The 4000 Series and the 3000 Series offer Graphic Express quality in a more basic design. The complete 4000 Series package pictured above has a manufacturer's list of $5,077.00. The 3000 Series omits the walnut trim (but retains the armrest) and an equivalent complement lists for $4,235.00. Stand up configurations and other customization are available. Call Bradley for a discount quotation and fast delivery.



GRAPHIC EXPRESS 1000 SERIES

Why compromise? Now Bradley offers beautiful Graphic Express 1000 Series cabinetry at surprisingly low prices. Delivery is generally from stock, and shipping charges minimal. The complete cabinetry above lists for $3,632.00. Let us configure a floor plan for you today.

GRAPHIC EXPRESS CUSTOM FURNITURE

When one of our valued clients asked us to assist them with a complete re-build, we knew The Graphic Express was the only source for their cabinetry. The conference room pictured above is only one example of our capabilities. Custom furniture that is designed properly and ruggedly constructed....from Bradley Broadcast.

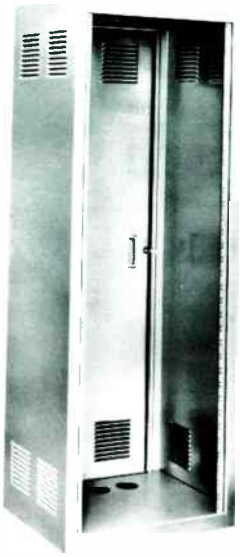
Each day more professionals call on Bradley Broadcast... where service and engineering make the difference. Our sales office is open Monday through Friday, 9:00 a.m. to 5:30 p.m., Eastern Time.

World Radio History

RUSLANG ELECTRONIC EQUIPMENT RACKS

These 19" standard racks come in heights from 21" to 70", or can be custom designed to your exact specifications. They are constructed of high-pressure laminates and steel mounts. A variety of solid colors or woodgrain laminate finishes are available. These beautiful racks look expensive but cost little more than conventional steel racks. These racks are 18" deep. Call for pricing on versions up to 24" deep.

21" RACK
#60RLR21S **$244.00**
24½" RACK
#60RLR24S **$252.00**
28" RACK
#60RLR28S **$259.00**
31½" RACK
#60RLR31S **$267.00**
35" RACK
#60RLR35S **$275.00**
38½" RACK
#60RLR38S **$283.00**
42" RACK
#60RLR42S **$292.00**
45½" RACK
#60RLR45S **$299.00**
49" RACK
#60RLR49S **$307.00**
52½" RACK
#60RLR52S **$313.00**
56" RACK
#60RLR56S **$323.00**
59½" RACK
#60RLR59S **$330.00**
63" RACK
#60RLR63S **$338.00**
66½" RACK
#60RLR66S **$345.00**
70" RACK
#60RLR70S **$355.00**



SOUNDOLIER 100 EQUIPMENT RACK UNITS

A complete line of wall, desk and relay type rack units. Listed below are transmitter racks in welded or unassembled (knocked-down) form. The last two digits of each model indicate the height of the rack in inches. When ordering, specify color.

WELDED RACKS:
36" RACK
#60SDWA10036 ..... **$210.00**
42" RACK
#60SDWA10042 ..... **$218.00**
61" RACK
#60SDWA10061 ..... **$250.00**
70" RACK
#60SDWA10070 ..... **$279.00**
77" RACK
#60SDWA10077 ..... **$292.00**
KNOCKED DOWN RACKS:
36" RACK
#60SD10036 ..... **$192.00**
42" RACK
#60SD10042 ..... **$201.00**
61" RACK
#60SD10061 ..... **$250.00**
70" RACK
#60SD10070 ..... **$264.00**
77" RACK
#60SD10077 ..... **$277.00**

RACK PANELS

ALUMINUM BLANK RACK PANEL
1¾" PANEL
#61MA134 ..... **$9.00**
3½" PANEL
#61MA312 ..... **$10.50**
5¼" PANEL
#61MA514 ..... **$12.00**

ALUMINUM VENT RACK PANEL
1¾" PANEL
#61MAV134 ..... **$9.50**
3½" PANEL
#61MAV312 ..... **$10.50**
5¼" PANEL
#61MAV514 ..... **$12.75**

FX-RACK

Eighteen rack spaces (31.5") of attractive and practical studio furniture. The front panel gently slopes for easy use of gear at the bottom of the rack. Rugged laminated wood construction.

#60FDFXR **$96.00**
ACCESSORY:
OPTIONAL CASTERS FOR ABOVE
#60FDFXRWK **$24.00**

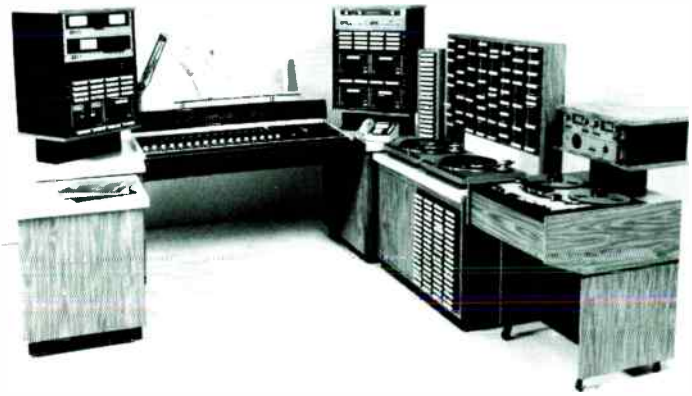
LUXO COPY STANDS

These convenient stands bring your copy close when you need it and moves out of the way when you don't. Available in letter size or computer printout size.

LETTER SIZE - 1 lb. Capacity
#61LU16007 ..... **$39.00**
LETTER SIZE - 3 lb. Capacity
#61LU16008 ..... **$57.00**
PRINTOUT SIZE
#61LU16009 ..... **$75.00**

Volume and package pricing is available, and special orders are no problem for Bradley Broadcast. Call today for a quotation and information on furnishings for your studio.

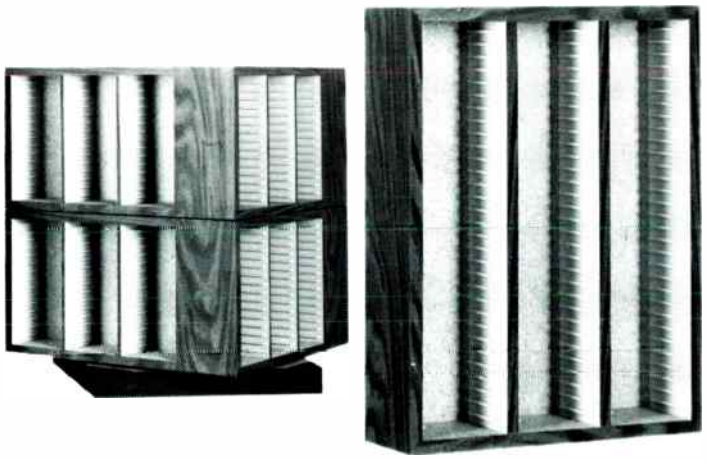
World Radio History



RUSLANG MODULAR STUDIO FURNITURE

If you are building or remodeling, you can add the elegant look of expensive furniture for much less than you might expect. Ruslang modular production and on-air consoles, turntable pedestals and recorder consoles can give you the custom look and versatility you want in your installation. Console tables may be modified to any shape and size. Call us with your needs or provide basic sketches of your studio layout for a price quotation. Custom design is available for odd shaped rooms, stand-up consoles or other special requirements.

Due to a wide variety of configurations, please call for a price. Typical installation above would cost approximately $1,500.00.



RUSLANG CD RACKS

Now Bradley Broadcast makes Ruslang quality available to store your CD's. Since disks are held without shelves, they are easy to keep clean. Three models of wall mount, and three lazy susan table top units are available. Stack-on units may be placed on top of the lazy susans to double capacity.

32 CAPACITY WALL UNIT 6 9/16"W x 5 3/8"D x 23 3/8"H
#60RLCD32 ..... **$41.00**

64 CAPACITY WALL UNIT 12 3/8"W x 5 3/8"D x 23 3/8"H
#60RLCD64 ..... **$57.00**

96 CAPACITY WALL UNIT 18"W x 5 3/8"D x 23 3/8"H
#60RLCD96 ..... **$72.00**

64 CAPACITY LAZY SUSAN 16" Turning radius, 15" high.
#60RLCD64LS **$143.00**

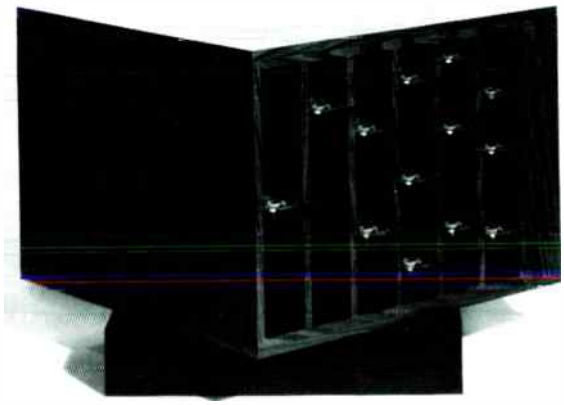
64 CAPACITY STACK ON UNIT Adds 12 1/2" of height.
#60RLCD64SO **$113.00**

128 CAPACITY LAZY SUSAN 31" Turning radius, 15" high.
#60RLCD128LS **$245.00**

128 CAPACITY STACK ON UNIT Adds 12 1/2" of height.
#60RLCD128SO **$210.00**

192 CAPACITY LAZY SUSAN 31" Turning radius, 15" high.
#60RLCD192LS **$348.00**

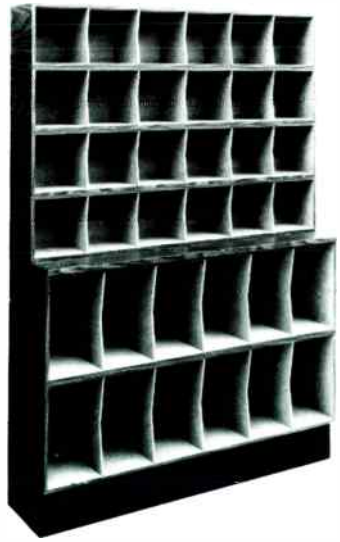
192 CAPACITY STACK ON UNIT Adds 12 1/2" of height.
#60RLCD192SO **$309.00**



RUSLANG LAZY SUSAN CART RACKS

These freestanding, rotating racks can hold up to 1296 cartridges. They are sturdy, as well as attractive. Select the model that best suits your needs in a variety of finishes. Most models are available in table top versions at the same price.

CATALOG #	CAPACITY	HEIGHT	TURNING RADIUS	PRICE
#60RL410144	144	30 1/2"	21 1/2"	$ 309.00
#60RL810288	288	53 1/4"	21 1/2"	517.00
#60RL1210432	432	76 1/4"	21 1/2"	727.00
#60RL415216	216	30 1/2"	28 1/2"	413.00
#60RL815432	432	53 1/4"	28 1/2"	673.00
#60RL1215648	648	76 1/4"	28 1/2"	932.00
#60RL420288	288	30 1/2"	35 1/2"	487.00
#60RL820576	576	53 1/4"	35 1/2"	797.00
#60RL1220864	864	76 1/4"	35 1/2"	1,107.00
#60RL425360	360	30 1/2"	42 1/4"	574.00
#60RL825720	720	53 1/4"	42 1/4"	935.00
#60RL12251080	1080	76 1/4"	42 1/4"	1,295.00
#60RL430432	432	30 1/2"	49"	663.00
#60RL830864	864	53 1/4"	49"	1,075.00
#60RL12301296	1296	76 1/4"	49"	1,487.00



RUSLANG MODULAR RECORD AND TAPE STORAGE

These modular units are available in three widths (24", 36", and 48") and in one size to accommodate LP's and 10 1/2" tape and another for 45's. Units are suitable for mounting on shelves or tabletops, or select available floor bases and finished tops. Modularity permits custom configurations, the ability to mix with Ruslang Cart Racks, and eliminates the need to remove records if units must be moved. The example pictured, with two large modules, four small modules with base and cover at shelf level is 48" wide and costs $530.00. Call Bradley for further information and a price quote on a system to eliminate the clutter of your record library.

World Radio History

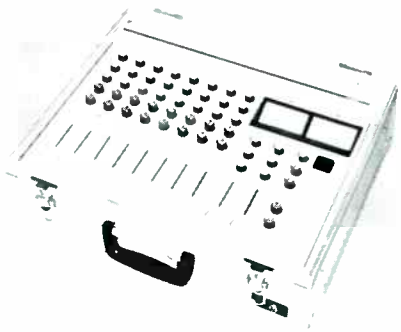
TELFAX TFX-131B PHONE REMOTE UNIT

With superior audio quality, and loaded with features, the Telfax TFX-131B has it all, including 100% back-up via a built-in electronic telephone. This latest unit from Telfax includes pushbutton dialing, LCD clock/timer, four microphone and two auxiliary inputs, tone oscillator, closed circuit spotter channel, and much more. The powerful headphone amp in the TFX-131B drives four headphone jacks and monitors the phone line for the appearance of dial tone upon disconnect. The built-in rechargeable battery pack provides ten hours of service from a seven hour charge. Rugged and lightweight, Telfax has come up with the perfect unit for those who are serious about their remotes.

#60TF131B **$695.00**

ACCESSORY:
CARRYING CASE

#61TF131AC **$47.00**



RAMSA WR-500

The WR-500 features three-way powering and a rugged aluminum field case enabling this versatile remote console to go anywhere to bring back a live remote or ENG/EFP feed. Features include eight inputs, two R.I.A.A. turntable preamps, high and low frequency shelving equalizers, echo and send return, separate record output with ganged level control, 8 ohm headphone output (selectable to line or premix buss) and lighted VU meters on each output channel. Inputs 1 through 8 are XLR connectors, outputs are XLR, phone or phono. Due to its wide range of input levels and choice of input/output connectors, the WR-500 will mate successfully with a variety of broadcast, sound reinforcement and hi-fi equipment.

#60PAWR500 ..... **$939.00**

TELFAX TFX-31C PHONE REMOTE UNIT

The TFX-31C is the choice for broadcasters who require fewer inputs and features, but demand high quality audio and construction. The unit includes rotary dialing, three microphone inputs, one line level input and an auxiliary input. Includes built-in rechargeable battery and modular construction.

#60TF31C **$545.00**

GENTNER MICRO-TEL

At one time or another, most broadcasters have needed something like this, but have been forced to design and build their own because nobody manufactured them. Now, at a very reasonable cost, Gentner does the work for you. This battery operated interface system replaces a conventional telephone handset via standard modular connectors, to turn your telephone into a complete remote-pack. Inputs are provided for mic (XLR) and aux (mini). An additional input allows feeding the headphone buss with IFB or air monitor. Outputs are provided for headset (¼" TRS) and high-level (mini), as well as an aux feed jack for tape machines or dedicated loops. Plug-in AC adaptor available.

#60GEMICRO **$189.00**

ELECTRO-VOICE ELX-1 MIXER

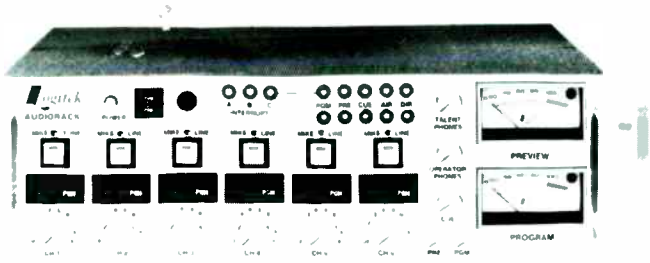
The ELX-1 has the compact design, rugged construction and performance features that assure dependable and efficient operation. Flat frequency response, low distortion, and low noise mean the ELX-1 will also meet your specs for a wide range of studio applications. Four transformerless, balanced inputs are switchable to mic or line level, and there is a separate amp and level control for headphones. Switchable output limiter, 1kHz tone oscillator, AC or battery operation, stacking capabilities, single rack unit size and nylon web shoulder strap combine with sensible price to make the ELX-1 ideally suited to countless applications.

#60ELX1 ..... **$409.00**

ACCESSORY:
RACK MOUNT FOR ELX-1

#60ELRM1 ..... **$27.50**

World Radio History



LOGITEK AUDIORACK

This isn't just another mixer—it's a full blown 6-channel console with all of "the bells and whistles" in a very space efficient package. All inputs and outputs use standard XLR and ¼" phone jacks for rapid interconnection. Program and preview busses both provide three line outputs and one mic level output, with front panel "swap" control which instantly transfers console outputs from one buss to the other. Both program and preview are metered. Operator headphones and talent IFB feeds are separately controlled. Each of 3 IFB feeds may receive individual "interrupts" from a front-panel condensor mic. Channel 1 is switchable for mic or tone oscillator, and channels 2-6 are mic/line switchable. Other useful features include separate talent and operator headphone level controls, and cue detented conductive plastic faders. Cue, preview, and program masters are conveniently located on the front panel. An attractive woodgrain desktop console is available as an option.

#60LTAR **$2,995.00**

ACCESSORIES:

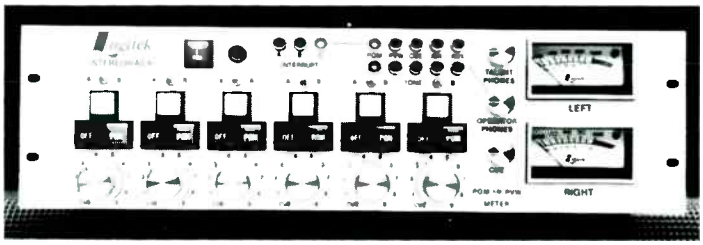
DESK MOUNT

#60LTDM **$198.00**

LOGITEK PRE-10 10 x 2 INPUT EXTENDER

#60LTPRE10 . . . . . **$370.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



LOGITEK STEREORACK

New for '87, and a logical followup to Logitek's highly popular "Audiorack" console. The Stereorack is a full featured dual buss stereo console in a standard 19-inch rackmount. Each of the six stereo input channels has a two position input preselect, and a pan/balance control concentric with the channel fader. The faders themselves are heavy duty conductive plastic types with a standard cue detent position. The channel select buttons are the same high reliability socketed hall-effect pushbuttons found on the Logitek "Perfectionist" console. Seven internal mic preamps are hard wire assignable on the rear panel, and each output buss has its own stereo 1 x 4 distribution amplifier. Two separate headphone systems each have independent 5 x 1 source switching, and the "talent" headphone system provides for separate IFB-style interrupts for up to three different headsets. The Stereorack is very system friendly, providing appropriate logic for remote starting machines, and for accepting remotely generated channel commands. The unique Logitek "swap" key can automatically interchange all selected AUD and PGM positions. This handy feature is indispensible for sports and election coverage because it allows presetting and salvo-switching an entire mix. In addition, an internal "virtual" mono mix minus buss allows the Stereorack to handle telephone talk applications without tying up the audition buss. Connections are made with wire clamping terminal blocks, except for logic connections, which are on 37-pin D connectors. Noise is down at least 76dB from a +4dBm reference, with over 18dB of headroom and THD under .05%. Of course, since it's made by Logitek, the intenal construction is excellent, and is backed by the exclusive Logitek five year limited warranty and "Instant Action" service.

#60LTSR **$4,250.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

AUDIO TECHNICA AT4462 STEREO PORTABLE MIXER

A true stereo mixer for field production, the AT4462 has four input channels: 1 and 2 are pannable mono, 3 and 4 are full stereo inputs. Each channel has a detented 'cue' position. Mic or line level are switchable on all four inputs, and on the main output. All inputs/outputs are transformer coupled, with a true 600 ohm output for driving phone lines with the correct impedance.

Modu-comm, an entirely new development, is provided on channels 1 and 2, enabling the talent to receive I.F.B. over the microphone cable. This system requires a decoder (AT4522), and provides dependable, simple two-way communication free of crosstalk.

The output section provides a 3-frequency test oscillator, switchable limiter, left and right peak indicators, and edge-mounted VU meters.

Other desirable features include phantom powering, external 12-18VDC or internal 9V battery operation, lo-cut filters and 20dB pads on each input useable in mic or line mode. A tough, weather resistant carry case will be provided free of charge upon registration of purchase with Audio Technica.

#60AT4462 . . . . . **$1,239.00**

RAMSA WR-133

This 8 x 2 mixer provides mic or line input on any channel, plus phono inputs on mixers 1-4. Each input section features high/low shelving EQ, monitor and effects send, pan pot, and peak LED. The output section has a separate mono output, master effect and monitor output controls, plus stereo record outputs via XLR and ¼" phone plugs. Attractive and functional briefcase styling make this mixer an excellent 'road' unit. Also see the WR-500 portable mixer with the rugged case and battery power in our Field Production section.

#60PAWR133 . . . . . **$750.00**

ACCESSORY:

RACK MOUNT KIT

#60PAWQ51 . . . . . **$60.00**

World Radio History

SHURE FP11 MIC/LINE AMPLIFIER

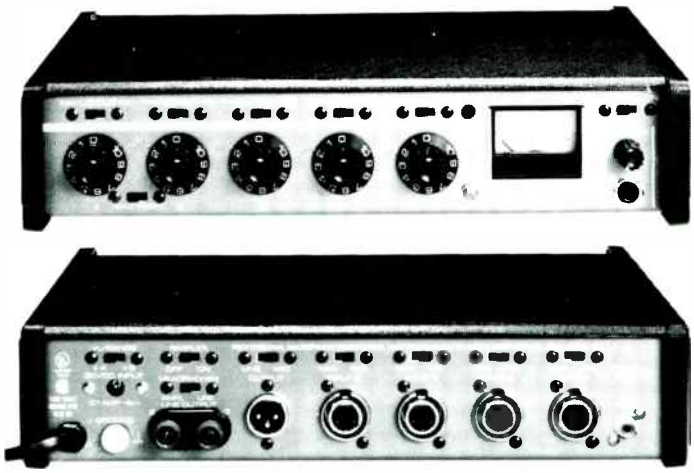
This compact, battery operated mic to line amplifier provides a maximum gain of 84dB, adjustable in 6dB steps. The unit has both a balanced XLR mic level input and a mini-jack input for a high level, high impedance source. The output is transformer balanced and appears on both an XLR connector and a set of spring contact binding posts. Very smooth switchable peak limiter and belt clip are included in this rugged, dependable, and reliable unit. Powered by a single 9 volt battery.

#60SHFP11 ..... **$159.00**

SHURE FP12 HEADPHONE BRIDGING AMPLIFIER

Whether the problem is monitoring or trouble-shooting audio lines, boosting headphone levels, or providing a simple intercom system, the convenient FP12 provides the answer. Powered by a 9V battery, this bridging amplifier includes ¼" ring-tip-sleeve and XLR connectors for input and output, and permits connecting several units together. Includes two pairs of headphone jacks (stereo ¼" and stereo mini-plug), ability to accept mic or line level input, and up to 96dB of gain. Don't go on your next remote without it!

#60SHFP12 ..... **$145.00**



SHURE M267

Shure's M267 compact, lightweight professional microphone mixer offers performance and capabilities never before available in a modestly priced professional mixer. Features include peak program limiter, simplex (phantom) power, built-in battery pack, LED power indicator, headphone level control, automatic muting circuit, active gain controls, and electronic power supply regulation. Powerful headphone amp, low distortion and noise, and front panel headphone jack. Also featured are transformer balanced input and outputs, mix buss connection, low cut filters, low RFI and low noise susceptibility.

#60SHM267 ..... **$379.00**

ALSO AVAILABLE:

SHURE M67 - The classic microphone mixer for remotes, PA or studio work. Four low-impedance mic inputs, one switchable to line level, 600 ohm balanced output, headphone jack, VU meter calibrated for +4 or +10dBm output. Automatic switchover from AC to battery with optional A67B accessory battery pack installed.

#60SHM67 ..... **$379.00**

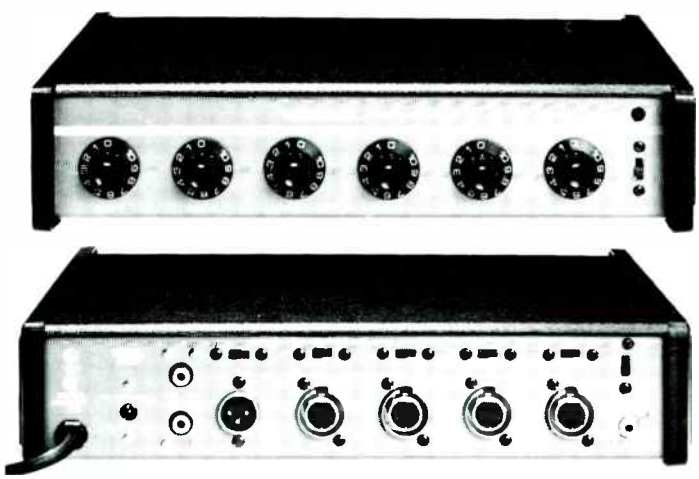
ACCESSORIES:

RACK MOUNT KIT FOR M267

#61SHA268R **$21.00**

RACK MOUNT KIT FOR M67

#61SHA68R **$21.00**



SHURE M268

The M268 is a compact, lightweight, five-channel microphone mixer. Ideal for public address and paging in hotels, schools, community centers, etc. It is also an excellent mixer for use by the serious tape recording enthusiast. Features four transformer balanced mic inputs, individual volume controls and a master volume control. The 268 makes an ideal add-on mixer to the M267 mixer–the mix buss gives the user nine inputs plus the peak indicator and metered output of the M-267 with no loss of inputs on either mixer. Can also be used to expand inputs on other current equipment.

#60SHM268 ..... **$205.00**

ALSO AVAILABLE:

SHURE M68 FC - A practical device for increasing the flexibility of systems requiring multiple mic inputs, the M68 features 4 mic inputs, low or high-z, plus one high-level auxiliary input. Two outputs, mic level (lo or hi-z) and high-level, hi-z to feed a power amp, recorder, or mixer buss input. A67B battery pack optional.

#60SHM68FC **$165.00**

ACCESORIES:

RACK MOUNT KIT FOR M268

#61SHA268R **$21.00**

RACK MOUNT KIT FOR M68

#61SHA68R **$21.00**

World Radio History

SHURE FP-42

The FP-42 provides all of the features of the industry standard M-267 mixer, plus stereo capability. Four balanced inputs with pan pots are provided, switchable to mic or line level. Each channel provides phantom power, and cue audio is routed to the stereo headphone jacks when a channel control pot is pulled out. Operates for 8 hours continuous on 3 - 9 volt alkaline batteries. Front panel controls include mono/stereo switch, tone oscillator, limiter on/off and headphone level control.

#60SHFP42 ..... **$599.00**

ACCESSORY:

RACK MOUNT KIT

#60SHA16R **$27.00**

SHURE FP-31 MIXER

This innovative mixer from Shure is one of a kind. Weighing only 2.2 lbs., it packs three mic/line input channels with low-cut filters, switchable limiter, two tape outputs and two headphone outputs into an efficient, compact package. A rugged nylon carrying case is included which allows easy access to every mixer function, while allowing you to piggyback the FP-31 on your VCR or other equipment. VU meter, battery indicator, meter lamp, phantom power and headphone volume control round out this incredible mixer.

#60SHFP31 ..... **$720.00**

SHURE FP-32 STEREO FIELD PRODUCTION MIXER

Following the enormous success of the FP-31 Mixer, the FP-32 does it in stereo!

Three mic/line channels with center-detented pan pots provide true stereo mixing capability. A concentric, clutched master stereo gain control is also provided. Field users will appreciate its built-in slate mic and tone feature, plus built-in simplex or A-B phantom powering. Two illuminated VU meters plus battery check switch are provided, along with carry case and shoulder strap.

#60SHFP32 ..... **$1,039.00**

SENNHEISER M8C

The M8C combines the best features of both broadcast and recording consoles in a compact and road-worthy package, powered from AC, external 12VDC or 10 internal D-cells. Each input module is loaded with flexibility , including quasi-parametric EQ, 3-frequency hi-pass filtering, prefader listen, attenuator, and multi-point overload sensing. Pricing varies according to frame and options selected. Call Bradley Broadcast for complete details and a quotation on the configuration to meet your requirements.

UHER 4000 PORTABLE OPEN REEL DECKS

These time and field proven recorders are in use worldwide for news gathering, interview and film audio assignments. These three-head decks, available in mono or stereo, feature 4-speed operation, peak-reading VU meters, LED function indicators, M S mic input and built-in monitor speaker. Rugged, die-cast aluminum construction means these machines are road-rugged. A full range of accessories are available for rechargable power, dubbing, recording from telephone, and slide/film synchronization.

MODEL 4200 STEREO

#60UH4200 ..... **$1,549.00**

MODEL 4000 MONAURAL

#60UH4000 ..... **$1,449.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

MARANTZ PMD-430

The most sophisticated Marantz stereo portable adds dbx noise reduction to a full featured compact design. With three-head performance, ±6% pitch control, illuminated VU meters, limiter, and bias fine adjust, this slim-line recorder takes studio-quality cassette recording into the field. Memory rewind, auto shut-off/replay, three step mic attenuator and headphone jack round out the useful functions built into this advanced recorder. Use #61WHENG3 to connect professional mics.

#60MR430 ..... **$419.00**

MARANTZ PMD 221

Contains all features of the PMD 201, plus 3-head design and memory rewind/replay. Use CLC-221 carry case and Bradley Broadcast Sales catalog number #61WHENG2 to connect a professional microphone.

#60MR211 ..... **$245.00**

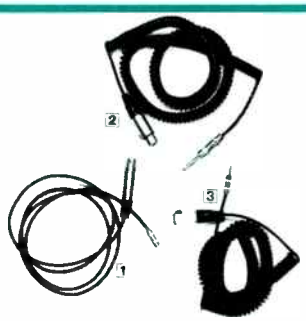
MARANTZ ACCESSORIES

VINYL CARRY CASE - For PMD 221, PMD 201

#60MRCLC221 ..... **$29.95**

NI-CAD BATTERY PACK - For PMD 430, PMD 420, PMD 221, PMD 201

#60MRRBD430 ..... **$40.00**



BRADLEY ENG MIC CABLES

Our popular cable is available in three versions. These cables will stand up to the rigors of field use without damage or failure. Straight cords are 6', while coiled cords extend to over 10'. Of course, custom configurations are available.

(1) XLR FEMALE AND MINI-PLUG CONNECTORS - Straight cable.

#61WHENG **$11.50**

(2) XLR FEMALE AND ¼" CONNECTOR - Coiled cable

#61WHENG2 ..... **$16.00**

(3) XLR FEMALE AND MINI-PLUG CONNECTORS - Coiled cable

#61WHENG3 ..... **$16.00**

MARANTZ PMD 420

This economical stereo portable cassette features Dolby B noise reduction, MPX filter, pitch control, left and right illuminated VU meters, peak LED's, 3-position mic attenuator, switchable left mic mono input, and RCA I/O jacks. A vinyl carry case and shoulder strap are included, along with AC adapter. Operates on 3 'D' batteries, or optional RBD-430 Ni-Cad. Use #61WHENG2 to connect professional mics.

#60MR420 ..... **$329.00**

MARANTZ PMD 201 CASSETTE RECORDER

The PMD 201 Cassette Recorder features include: 2-speed operation, auto-shutoff, 4-way power, VU meter, electret condenser mic, cue and review and ¼" headphone jack. This light weight, low profile package incorporates: switchable limiter, built-in modular telephone jack, varispeed position automatic noise-cancel switch, and metal tape capability. Two head design with separate record and playback level controls. Uses #61WHENG2 to connect professional mics and select the CLC-221 to protect your unit.

#60MR201 ..... **$209.00**

SONY TCD5 PRO II

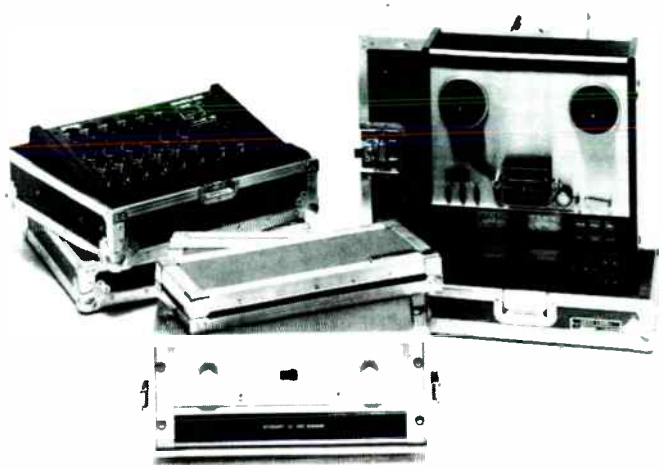
The TCD5 Pro has been the portable, high quality cassette standard for seven years. Now, the Pro II offers improved features and specifications. Input XLR connectors are now female, external 6 or 12 VDC may be employed, as well as an AC adaptor, plus battery life has been improved. Frequency response is excellent with standard cassettes. Dolby "B" provides a 6dB improvement in signal noise ratio. Line out connectors are RCA pin jacks, headphone output is ¼". Lighted VU meters, battery check button, and record limiter are other desirable features.

#60SOTCD5 ..... **$739.00**

World Radio History

ANVIL CASES

Bradley and Anvil can provide you with rugged, dependable protection for all of your equipment. Standard rack mount cases, including shock-mounted versions, as well as cases for recorders, mixers, cameras and A/V gear can usually be shipped in one week or less. Custom case requirements can be quoted by phone (usually the same day) and shipped fast. Remember the expense and hassle the last time your equipment broke in transit? Protect your valuable investment with an economical Anvil case from Bradley.



AMP RACK CASES (19" WIDE - 14" DEEP)

2 SPACE (3½" high)
#70AN073 . . . . . **$177.00**
3 SPACE (5¼" high)
#70AN074 . . . . . **$184.00**
4 SPACE (7" high)
#70AN075 . . . . . **$194.00**
5 SPACE (8¾" high)
#70AN076 . . . . . **$204.00**
6 SPACE (10½" high)
#70AN077 . . . . . **$212.00**
7 SPACE (12¼" high)
#70AN078 . . . . . **$222.00**
8 SPACE (14" high)
#70AN079 . . . . . **$231.00**
9 SPACE (15¾" high)
#70AN080 . . . . . **$240.00**
10 SPACE (17½" high)
#70AN081 . . . . . **$250.00**
11 Space (19¼" high)
#70AN082 . . . . . **$259.00**
12 Space (21" high)
#70AN083 . . . . . **$268.00**
13 Space (22¾" high)
#70AN084 . . . . . **$278.00**
14 Space (24½" high)
#70AN085 . . . . . **$293.00**
15 Space (26¼" high)
#70AN086 . . . . . **$302.00**
16 Space (28" high)
#70AN087 . . . . . **$311.00**
17 Space (29¾" high)
#70AN088 . . . . . **$320.00**
18 Space (31½" high)
#70AN089 . . . . . **$329.00**

NOTE: Amp rack cases come with front rack channels. Rear rails and casters optional.

FORGE II EQUIPMENT RACK

A low cost 2-space rack made with the same hardware as the standard racks, but the body is manufactured out of a lightweight molded material.

#70AN278 . . . . . **$96.00**

ANVIL TECHNICIAN'S TOOL CASE

Construction is similar to the well-known Anvil briefcase. This has convenient compartments for all your hand tools and numerous small items.

#70ANTEC300 . . . . . **$107.00**

ALSO AVAILABLE:
ANVIL BRIEFCASE
#70AN098 . . . . . **$43.00**

KANGAROO PACKS AND CASES

Kangaroo Video Products are the preferred choice among professionals because of their user convenience and degree of protection. A complete line of video recorder, camera and audio packs incorporate Cordura fabric, Evazote foam, nickel-plated steel hardware, and Velcro hook and loop fasteners. Also available are Super-Tough carriers for camcorder combinations and camera raincovers. Custom designs and special modifications are always available. Call 800-732-7665 for complete information and pricing.

World Radio History

SENNHEISER HMD224 HEADSET

The HMD 224 provides extended headphone frequency response (16Hz to 20kHz) and a shock-mounted super-cardioid microphone in a very high quality package. Circumaural air-filled, double-layered cushions provide isolation and comfort for the wearer. The microphone's pattern is tailored so that it provides the best response when offset to the side of the mouth, and results in one of the most natural sounding headset mics available. Extremely rugged, the HMD 224 weighs under a pound.

#60SNHMD224 ..... $179.00

SHURE SM-2 HEADSET

The SM-2 is loaded with features that make it the ideal choice for professional use. The patented metal boom is designed for total flexibility in mic placement and adjustments for right or left side use. This consistent mouth-to-mic positioning, coupled with the cardioid mic's specially tailored pattern and frequency response, insures accurate voice reproduction and maximum voice isolation. The rugged metal frame will withstand many seasons of heavy use, and the unit weighs less than 11 ounces! Cable is detachable allowing quick and easy cable changes for mono, stereo or split feed headphone functions. Supplied with cable and windscreen.

#60SHSM2 ..... $135.00

ALSO AVAILABLE:
SM-1 SINGLE EAR CUP VERSION
#60SHSM1 ..... $119.00

ACCESSORY:
REPLACEMENT CABLE FOR SM-2 AND SM-1
#61SHC108 ..... $26.00

See pages 80 and 81 for more headphones.

See pages 84 through 94 for more microphones and mic accessories.

BEYER HEADSETS

The Beyer DT109 (double earpiece) and the DT108 (single earpiece) dynamic moving coil microphone/moving coil headphone combinations are especially suited for both remote and studio use. Lightweight and comfortable, the headphone transducers feature extended response and are virtually impossible to overload. The wide frequency response of the noise cancelling mic results in a rich, yet clear, transmission. Rugged construction. Now also available in black.

DT-109K DOUBLE EARPIECE HEADSET
#60BEDT109K $134.00
DT-108K SINGLE EARPIECE HEADSET
#60BEDT108K $115.00

AKG Q34 HEADSET

This dynamic microphone/headphone from AKG is rugged and comfortable. Noise cancelling close talk microphone is mounted on an extremely flexible arm. Self-adjusting headband and 10 ounce weight make the Q34 a comfortable choice.

#60AKQ34 ..... $92.00

SHURE 50AC

Designed to acoustically couple tape recorded information to a telephone handset transmitter in situations where hard-wiring is not possible. A strap assembly holds the 50AC in place on any telephone. Its rubber case forms an acoustic seal which blocks external noises. The 50AC also doubles as a tape recorder mic, with frequency response approximating that of a telephone.

#60SH50AC $36.00

ELECTRO-VOICE 635A

Most popular mic in broadcast, studio or remote. Stand or hand held. Virtually indestructible. 80-13kHz response, omnidirectional.

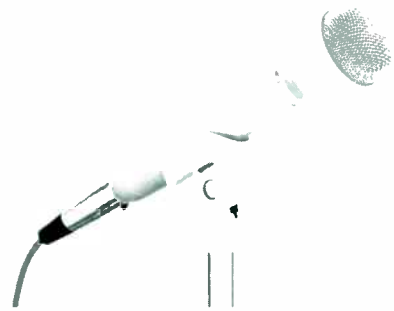
#60EL635A $79.00

ACCESSORY:
WINDSCREEN
#60EL314E $8.50

ELECTRO-VOICE DO56 AND DO56L

Very popular shock mounted omnidirectional for hand held use. Mic element is isolated from both handling and cable noise. Excellent vocal quality in a durable package.

DO56 6¼" SHANK
#60ELDO56 ..... $110.00
DO56L 11½" SHANK
#60ELDO56L $125.00
ACCESSORY:
WINDSCREEN FOR DO56 AND DO56L
#60EL351 ..... $9.60



ELECTRO-VOICE RE-50

You'll see the RE-50 at virtually every major news event. That's because this is the mic expressly designed for hand-held news-gathering. It has the same tailored response and high output of the 635A, and its resilient "mike-within-a-mike" shock mount design achieves a high degree of isolation. The built in windscreen is a super effective "P-pop" filter. Rugged construction and non-reflective finish allow the RE-50 to go anywhere.

#60ELRE50 ..... $132.00

World Radio History

NEUMANN KMR81 CONDENSOR SHOTGUN MIC

The KMR81 employs an acoustic 'interference tube', which encloses the microphone capsule, producing a cardioid pickup pattern with high front to back sound rejection, and equally high side to side rejection. Its insensitivity to wind and popping noise make the KMR81 suitable for outdoor use, and the tight pattern allows isolation of group or individual sounds in a stage, recording, or studio environment.

Like other Neumann mics, the KMR81 maintains accurate frequency response within its range of sound acceptance. Price includes windscreen, swivel mount and case.

#60NEKMR81 ..... **$720.00**

ACCESORIES:

LIGHT WAVE SUPER-SCREEN ZEPPELIN
#60LWSS81 ..... **$175.00**

LIGHT WAVE SUPER-MOUNT PISTOL GRIP
#60LWSG81 ..... **$90.00**

NEUMANN KMR82 CONDENSOR SHOTGUN MIC

Similar in construction to the KMR81, this mic is recommended for use in longer distance mic applications, where the mic should not appear in the picture. Its lobe shaped pickup pattern attenuates off axis sound at all frequencies in the same measure, and provides a 120Hz high-pass filter to further reduce wind noise and increase effective range. A second switch is also provided to reduce sibilant sounds generated by closer sounds when the LF filter is used. Price includes foam windscreen, swivel mount and case.

#60NEKMR82 ..... **$805.00**

ACCESSORIES:

EA82 ELASTIC SUSPENSION
#60NEEA82 ..... **$145.00**

AG82 POWER HANDLE - Provides 48V phantom power from a single 9 volt battery.
#60NEAG82 ..... **$445.00**

LIGHT WAVE SUPER-SCREEN ZEPPELIN
#60LWSS82 ..... **$185.00**

LIGHT WAVE SUPER-MOUNT PISTOL GRIP
#60LWSG82 ..... **$95.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

SHURE SM-89 SHOTGUN MICROPHONE

The Accu-port® design featured in the SM-89 was specifically engineered to provide the most uniform off axis frequency response for natural sounding pick-up, without comb filtering effects, even when your target is off-mic or when the mic is being mechanically panned. Made of machined aircraft grade aluminum to withstand real-world field production, the SM-89 can literally be bounced off the floor without fatal damage. Even so, this is perhaps the lightest professional shotgun mic available. Weighing in at a mere 195gm, it's perfect for fishpole use. Two piece tube design facilitates storage and servicing. To insure intelligibility, a slight presence boost compensates for natural acoustic losses in long throw applications. Low frequencies are rolled off below 60Hz to reduce ambient noise switchable to 160Hz for problem environments. The SM-89 will operate over a wide range of phantom voltages (11-52V), and is supplied with a foam windscreen and a rugged field case. The optional A98SM shock mount, includes a positive locking knob and an effective cable isolation scheme.

SM-89 SHOTGUN MICROPHONE
#60SH89 ..... **$659.00**

ACCESSORY:

A89SM SHOCK MOUNTING SYSTEM
#60SHA89SM **$90.00**

AUDIO TECHNIA AT815

You'll have the longest arm in the crowd with the AT815. Ideal for applications where close miking is impossible, the AT815 can be hand held, camera or boom mounted, or operated from a fishpole. At only 9 oz. it won't load you down. Includes stand clamp, storage case, windscreen and 16½' cable. The AT815a is powered by a single "AA" battery, while the AT815R uses phantom power systems from 9 to 52 volts.

AT815A - Battery Powered
#60AT815 ..... **$189.00**

AT815R - Phantom Powered
#60AT815R **$259.00**

ACCESSORIES:

LIGHT WAVE SUPER-SCREEN ZEPPELIN
#60LWSS815 ..... **$185.00**

LIGHT WAVE SUPER-MOUNT PISTOL GRIP
#60LWSM815 ..... **$95.00**

Call for pricing on Mini-Screens and package discounts.

LIGHT WAVE SYSTEMS

Light Wave Systems Super-Screen is the fastest loading/unloading system in the world. Superior isolation combines with thoughtful design for maximum wind attenuation and no loss of midrange frequency response. Use the Super-Screen with the high isolation Super-Mount pistol grip. Economical Mini-Screens are also available, with typically 20dB greater wind attenuation than foam screens.

Super-Screen and Super Mounts are listed for all mics on this page. Additionally call for pricing on Mini-Mounts, spare internal isolator cradles, and models for AKG, Beyer, Schoeps, and Sony shotguns.

Also available from Light Wave are fishpole booms with telescoping cam locks, and special covers for both Super-Screens and Mini-Screens for added protection in high winds.

FP12 FISHPOLE - 4' to 12'
#60LWFP12 ..... **$150.00**

FP6 FISHPOLE - 28" to 6'
#60LWFP6 ..... **$150.00**

FPY FISHPOLE YOKE
#60LWFPY **$25.00**

HIGH WIND COVER FOR SUPER SCREEN
#60LWSSC **$30.00**

HIGH WIND COVER FOR MINI SCREEN
#60LWMSC **$20.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

AUDIO TECHNICA AT835

This compact extended-range condensor mic combines the best attributes of both cardioid and shotgun types. While more directional than a cardioid, it's more forgiving than a shotgun. Includes clamp, windscreen, storage case and 16½' cable. Battery operation.

#60AT835 ..... **$179.00**

ACCESSORIES:

LIGHT WAVE SUPER-SCREEN ZEPPLIN
#60LWSS835 ..... **$180.00**

LIGHT WAVE SUPER-MOUNT PISTOL GRIP
#60LWSM835 ..... **$90.00**

Call for pricing on Mini-Screens and package discounts.

World Radio History

SOUND SYSTEMS

For remote broadcast, disco work, press conferences, or anywhere you need lots of sound for lots of people, Bradley Broadcast offers the best in compact high performance systems at very affordable prices. Components are also available individually. Don't see the package you need? Call us for custom configurations and great prices!

BRADLEY SYSTEM I

THE MIXER: This system includes the four channel MX-104 Mixer from TOA, which features a five band equalizer with ±12dB boost or cut, built-in auto compressor, plus a selection of jacks for patching signal processing equipment. Each channel has a ¼" high impedance input, as well as XLR low impedance input. Controls include level, high and low EQ, reverb and monitor. At 8 ohms, the MX-104 delivers 120 watts RMS and 150 watts at 4 ohms.

THE SPEAKERS: The enclosures are the SL-15's from TOA. They are constructed to withstand the rigors of the road with a rugged epoxy finished cabinet, metal speaker grille, recessed handles and interlocking corners. Features a 15" woofer and a 90° horn. Capable of handling 240 watts of continuous power.

System comes complete with 50' of speaker cable.

Total Retail—$1,150.00

Discount Package Price—$789.00

BRADLEY SYSTEM II - "The Entertainer"

This top-of-the-line system has it all: power, performance, and portability. The EV Tapco 100M powered stereo mixer delivers 100w/ch continuous into 8 ohms at less than .02% distortion, while the patented EV Powerlock* limiter and massive external heatsinks provide substantial protection against overdriving the amp or burning up the speakers. The mixer section provides all the features you'd expect from a full-blown sound reinforcement console, including 3-band EQ, peak indicators, pan pots, separate effects/foldback sends, and variable input pads. Individual slide faders are provided for left, right, and monitor busses. Dual 8-band graphic equalizers and bright fluorescent bargraph meters make setup quick and easy. The speakers are EV 100-S, with virtually indestructible, but lightweight, high density synthetic cabinets. 100° high frequency dispersion provides uniform coverage without "hot spots". 80Hz-18kHz (+3dB) with useable response 50Hz-20kHz. 100 watts continuous, efficiency rating 96dB/1 watt/1 meter.

Total Retail—$2,850.00

Discount Package Price—$1,795.00

BRADLEY SYSTEM III

This package really performs and is surprisingly compact. The power amp is the renowned Crown Micro Tech 600 featuring 220 watts RMS per channel at eight ohms with rear mounted gain controls and front panel LEDs. Crown makes the most reliable amps in the business and they back each one with a three year warranty.

The speakers are the new EV SH1512 two-way enclosures featuring a high power 15" woofer mated to a large 90° horn with carpet covering, handles and steel grilles. The SH1512 handles 200 watts RMS.

The Hill Multimix is a non-modular 19" rack mountable mixing console. Using a unique design feature that allows designated inputs to be used as inputs and/or subgroups, the Multimix can be operated at a 16:2:1, a 12:4:2:1; and 16:4:2:1. Features include input channels 13 to 16 useable as Subgroups 1 to 4, individual PCB's connected with ribbon cable, rack mount power supply, 5532 op-amps throughout, 3-band EQ, 2 auxiliary sends, 90mm smooth action faders, mic and line inputs, RIAA equalized inputs on channels 1 to 4, peak LED per input channel, and 12-way LED display on master stereo outputs. Phantom power is on every input with individual switches. Complete with 50' of speaker cable.

Total Retail—$4,200.00

Discount Package Price—$3,099.00

World Radio History

BRADLEY DJ PACKAGE

We've brought four great names together to produce a professional portable DJ package. The turntables are the incomparable Technics SL-1200MKII with Stanton 680EL cartridges. The mixer is Numark's top of the line DM1850 and it all comes housed in a rugged Anvil flight case specially designed for this application.

#60DJP **$1,695.00**

ALSO AVAILABLE:

BRADLEY DJ PACKAGE "DELUXE" - The complete package as above, but using the Rane MP-24 mixer. You deserve the best, don't you?

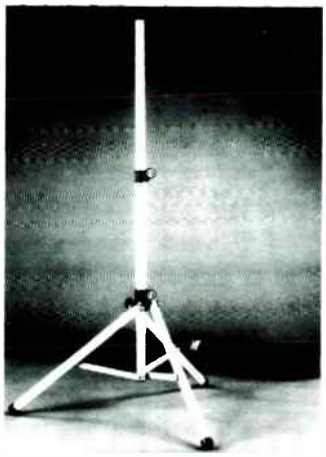
• **#60DJPD** **$1,859.00**

ANVIL CASE FOR DJ PACKAGE - Already have a mixer and turntables? This case is available separately to protect your investment.

#70AN301 ..... **$375.00**

SPECIAL NOTE: Combine one of our DJ packages with a power amp, speakers and Ultimate stands. Then call Bradley for a special package price.

ULTIMATE SUPPORT FLOOR STANDS



ULTIMATE TS-30T

This mini tripod stand is ideal for speaker enclosures in limited space situations. Variable in height from 3½' to 6½', the TS-30T will support up to 75 lbs.

#61USTS30T **$75.00**

ULTIMATE TS-33T

A new concept in a heavy duty tripod speaker stand. Will extend to over 9' and will support 100 lbs., yet weighs only 9 lbs.!

#61USTS33T **$88.00**

ACCESSORIES:

ULTIMATE SUPPORT STAND ADAPTERS

TAD-138 - 1⅜" diameter tripod adapter for TS-30T and TS-33T. Allows tripod to be used with any 1⅜" inside diameter socket such as Peavey or EV Tapco. Plastic construction.

#61USTAD138 ..... **$8.00 each**

BMB-200 - Mounting bracket for TS-30T or TS-33T. Designed for attachment to speakers with built-in threaded inserts spaced 4⅜" to 6" apart. Constructed of glass reinforcement polycarbonate. 1½" inside diameter socket fits directly on US tripods. Mounting screws not included.

#61USBMB200 ..... **$18.00 each**

TMB-400 - Tripod mounting bracket for TS-30T and TS-33T. This unique two part mounting system consists of a thin plate (screwed to the bottom of the speaker) and a slide-in bracket (secures speaker to the tripod). Constructed of glass-reinforced polycarbonate. Mounting screws included.

#61USTMB400 ..... **$15.00 each**

NUMARK DM1850

Numark's top-of-the-line mixer with built-in six band equalizer. The DM1850 has four stereo inputs, for use with three stereo phonos, or two stereo phonos and two stereo tape recorders, plus a balanced/unbalanced input that will accept a microphone with either a phone plug or XLR connector. The mic input has a pan pot control for exact positioning. A fast acting 12 segment, multi-colored peak reading LED output meter is provided to ensure optimum output without overload. The DM1850 has built-in ultra low noise preamplifier and a variable output drive control to match most popular amplifiers. Slide controls are provided for adjusting the volume of each input, for controlling the output volume of each stereo channel and for adjusting each of the equalizer's six frequency bands. The fading and cueing volume controls are four-gang slide controls with feather touch action. The fading and cueing controls automatically adjust the gain levels of the channels being mixed so that the volume does not vary during the mixing process. The DM1850 ensures top quality sound and total reliability, even under the most demanding conditions.

#60NU1850RM **$555.00**

RANE MP-24 DJ MIXER

Here's more mixer than you've ever seen packed into five rack units! Nine stereo inputs (three phono, six line) are assignable to four stereo input mixing busses. These busses are, in turn, assignable to a crossfade control, allowing fades between any two sources. Two mic inputs feature 3-band EQ and effects loop. The headphone amp provides level control, a pan control which ranges from full stereo cue to stereo program, or a pushbutton delegates cue to one channel and program to the other. The extensive output section provides a master level slider, separate booth, zone, and light trigger outputs each with individual level controls, a four band equalizer, and adjustable twelve segment, three color LED level meter. This mixer provides all the flexibility you'll ever need, and is recommended as an upgrade to our Bradley DJ package.

#60RNMP24 ..... **$995.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

DUCT TAPE

A large roll of the roadie's most useful item.

#61STDT **$5.95**

World Radio History

TOA MX-104

The MX-104 from TOA is a high performance four channel mixer at a sensational price. Each channel has a ¼" high impedance input, as well as an XLR low impedance input. Controls include level, high and low EQ, reverb, and monitor. The master section features a five band equalizer with 12dB boost or cut, built-in auto compressor, reverb, monitor, auxiliary and level controls plus a selection of jacks for patching signal processing equipment. At 8 ohms, the MX-104 delivers 120 watts RMS and 150 watts at 4 ohms. The cabinet is finished in a textured epoxy paint and includes handles and corners.

#60TOMX104 ..... **$349.00**

TOA SL SERIES

The TOA SL Series is comprised of four enclosures all constructed to withstand the punishment of the road. Each has a textured scratch resistant finish, interlocking corners, metal speaker grille, handle and parallel ¼" jacks. All four use a constant directivity 90° horn with piezo high frequency driver. The SL-12 and SL-12M feature 12" woofers, while the SL-15 and SL-22 use a 15" and a 10" woofer. All four are capable of 240 watts of continuous power. Very impressive especially when you consider the prices.

(1) SL-12
#60TOSL12 ..... **$199.00**
(2) SL-15
#60TOSL15 ..... **$245.00**
(3) SL-22
#60TOSL22 ..... **$239.00**
(4) SL-12M
#60TOSL12M **$209.00**

ALSO AVAILABLE:
TOA SL-15M - 15" Floor monitor.
#60TOSL15M **$269.00**

TOA MX-106R

The TOA MX-106R Mixer is a compact, self-powered mixer with some very sophisticated features. The Master Control section includes a one-octave (9-band) graphic EQ, analog echo delay, auxiliary input controls, FL high intensity bar graph output meters, and a complete patch bay with TOA's exclusive Buss-Link capability. Also contained in this section are all Master Level controls and Effects Return to the program and foldback busses. 6 input channels, 1 program output, 1 foldback output, 1 effects output and 1 record output. Internal power amp is rated at 120 watts RMS into 8 ohms, 200 into 4, 300 into a 2 ohm load. An input trim control is provided to accommodate a variety of input source levels. A Peak Indicator LED detects excessive input signal, either pre- or post-EQ, aiding in proper settings of the trim control to avoid input clippings. Additionally, each input channel features 3-band EQ, a "pre" foldback send, a "post" echo/effects send, and Program Level control.

#60TOMX106R **$595.00**

TOA SD SERIES

The TOA 30SD Enclosure is a potent yet compact full range 3-way enclosure for sound reinforcement, the TOA 30SD features a heavy duty 12" woofer, 90° midrange horn and one 3" tweeter.

The TOA 38SD Enclosure is a dynamic 3-way enclosure featuring a heavy duty 15" woofer, large mid-range horn and two 3" tweeters all combining to handle 360 watts at 8 ohms. Both models have expoxy finished cabinets with steel speaker grille, recessed handles, and interlocking corners.

(1) 30SD
#60TO30SD **$399.00**
(2) 38SD
#60TO38SD **$440.00**

TOA 380-SE

The TOA 380-SE is a 3-way music loudspeaker system specifically developed to handle the extreme dynamic range of electronic music. The system consists of a bass reflex enclosure housing a heavy duty 15" woofer, a high-efficiency compression driver coupled to a constant directivity horn, and an exponential horn tweeter. The system is rated at 360 watts continuous program material. Sturdy wood construction with side-mounted handles and interlocking protective corners for stacking. Polyester finish resists scratches. A removeable black jersy grillecloth completes the high tech look of the 380-SE.

#60TO380SE **$599.00**

World Radio History

YAMAHA EMX SERIES POWERED MIXERS

This series of professional powered mixers provides high power, portability and mixing convenience without compromising reliability or audio quality. Eight or twelve by two mixing is combined with a dual 9-band graphic equalizer, in addition to a 3-band EQ on each channel. Each input also has two foldbacks and an echo send, pan pot, pad and gain trim control. Both mixers feature a built-in analog delay for live effects, plus a remote footswitch input so the performer can switch echo on and off. Left and right PGM and foldbacks are metered. The EMX-200 and EMX-300 each have 170 watts/channel. Both are built in rugged cases to stand up to the demands of travel, and are fully RFI shielded.

EMX-200 (Pictured)
#60YAEMX200 ..... **$1,995.00**
EMX-300
#60YAEMX300 ..... **$2,295.00**

YAMAHA S-4115H SPEAKER SYSTEM

Recommended for use with large Yamaha EMX-300 mixers, this two-way horn loaded system puts out more sound power with outstanding dispersion and minimum resonance. Overall power handling capacity is 240 watts, and its durable case with casters and handles ease transport and setup.

#60YAS4115H **$645.00**

Special pricing available on all Yamaha P.A. Systems! Call for details!

ALSO AVAILABLE:

YAMAHA S-3115H - This high efficiency, compact portable speaker system is the perfect mate for the Yamaha EMX-200 console. With its 15" woofer, the compression driver and horn for mid and high frequencies, the S-3115H retains a warm, natural sound while putting out plenty of audio.

Sturdy, non-resonant particle board construction, with a steel mesh grille over the woofer, plus metal corners and handles make the system durable and road worthy. Rated for 100 watts continuous program power.

#60YAS3115H **$565.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

WHIRLWIND MULTIPAIR SYSTEMS

STANDARD MEDUSA SERIES

MEDUSA 9 - 50' cable, 6 in, 3 out.
#61WHMED9 ..... **$143.50**
MEDUSA 12 - 100' cable, 8 in, 4 out.
#61WHMED12 ..... **$249.00**
MEDUSA 16 - 100' cable, 12 in, 4 out.
#61WHMED16 ..... **$299.00**
MEDUSA 20 - 100' cable, 16 in, 4 out, all XLR.
#61WHMED20 ..... **$356.00**
MEDUSA 30 - 100' cable, 24 in, 6 out, all XLR.
#61WHMED30 ..... **$499.00**

MEDUSA POWER SERIES - Incorporates speaker, mic and monitor lines in one cable. For use with powered mixers

POWER 6 - 50' cable, 6 mics, 2 speaker, 1 monitor.
#61WHPS6 ..... **$199.00**
POWER 8 - 100' cable 8 mics, 2 speaker, 1 monitor.
#61WHPS8 ..... **$299.00**
POWER 12 - 100' cable, 12 mics, 2 speaker, 1 monitor.
#61WHPS12 ..... **$375.00**

WHIRLWIND CABLE REELS

These cable drums are simple, durable and convenient.

(1) WD-3S
#61WHWD3S **$285.00**
(2) WD-3
#61WHWD3 ..... **$235.00**
(3) WD-1
#61WHWD1 ..... **$99.00**
(4) WD-2
#61WHWD2 ..... **$125.00**

GLI AV-1P

The all new AV-1P is a compact self-powered enclosure perfect for portable DJ use or public address. The AV-1P developes 35 watts RMS through two 8" speakers and a high frequency tweeter. The control section includes bass and treble controls, mic and line gain, external speaker jack, tape output, line output and both ¼" and XLR mic inputs. The cabinet is solidly built with metal corners, recessed handle and a steel grille.

#60GLAV1P ..... **$275.00 each**

MEDUSA WHEEL

A unique heavy duty steel windup storage caddy designed for Medusa systems.

SMALL
#61WHMEDWHS **$59.50**
LARGE
#61WHMEDWHL Large **$69.50**

World Radio History

CROWN MICROTECH AMPS

The four new Micro-Tech Series amplifiers from Crown have been built upon the high-tech foundation proved in the original and revolutionary Micro Tech-1000. Their uniquely efficient grounded-bridge design assures the power headroom you need without the excess heat or switched power supplies of other designs, and allows the capability of running mono loads in either bridge or parallel configuration. All Micro-Tech amplifiers use the time proven Crown IOC (input/output comparator) circuit which activates when the output stage and load produce a distortion exceeding 0.05%. The improved ODEP (output device emulator protection) system responds smoothly to overload, protecting the Micro-Tech without annoying and embarrassing program interruptions. Reversible forced-air cooling in conjunction with advanced heat-sink design allows maximal performance in minimal (3½") rack space. The new LX-versions provide front panel gain controls, advanced diagnostic indicators, failsafe relay driven power supply protection, and the PIP plug-in input accessory system. Micro-Tech 600's will produce 220 watts RMS per channel into 8 ohms, and 600 watts into a 4-ohms in bridge-mono. The 1200's will drive 320 watts RMS per channel into 8 ohms, and 1200 into 4 ohms in bridge-mono mode (or 1 ohm in parallel-mono!).

MICRO-TECH 600
#60CR600 . . . . . **$799.00**
MICRO-TECH 600LX
#60CR600LX **$1,049.00**
MICRO-TECH 1200
#60CR1200 . . . . . **$1,049.00**
MICRO-TECH 1200LX
#60CR1200LX **$1,232.00**

CROWN DC-300A II

The all-time giant of the pro sound industry. A clean panel design, detented level controls and IOC (input output comparator) circuitry are standard features. Generally regarded as the most reliable amplifier ever built.

#60CR300 . . . . . **$719.00**

More Power Amplifiers Are Listed In Our Monitoring Section On Page 78.

CROWN POWER BASE ONE

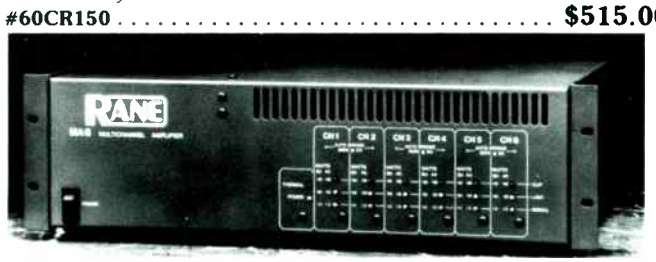
The new Crown Power Base 1 incorporates many of the advanced Micro-Tech design features at a decidedly affordable price. The economies which permit this are created by the deletion of various non-essential "bells and whistles", reverting to a single power supply, and slightly reducing output power capability (200w/ch or 400w in bridge or parallel mono).

#60CRPB1 . . . . . **$595.00**

CROWN D-150A II

The D-150A II retains the Crown tradition of accuracy and reliability. Incorporating the Crown multi-mode circuit design, this amp is a proven performer in continuous operation at all output levels into a wide variety of of loads. Shorted, open, low impedance or mismatched loads will not damage the D-150A II power circuitry. Conservative design and massive heat sinks reduce the need for forced-air cooling in many installations. Warrantied by Crown to meet or exceed published specs for three years.

#60CR150 . . . . . **$515.00**



RANE MA-6

The MA-6 is an innovative power amplifier with six separate channels. Each may be driven simultaneously, delivering 100 watts into 8 ohms, 150 watts into 4 ohms. Built-in limiters provide 15dB extra headroom before clipping. Front panel LED's indicate peaks above 100 watts, yet all proogram under 100 watts remains uneffected. Built-in automatic bridging feature enables up to three channels each delivering 300 watts into 8 ohms. The power supply and massive heatsink are fan cabled. All steel chassis, 5¼" high and 11½" deep, rack mountable. A 70V/25V transformer option is available. 5Hz to 80kHz, to +/– 3dB; THD less than 0.2% @ 1kHz; S/N better than 96dB, EIA A-weighted.

#60RNMA6 . . . . . **$1,299.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

YAMAHA "P" SERIES POWER AMPS

This dependable line of amplifiers includes single and dual channel amplifiers with power outputs from 50 to 170 watts/channel into 8 ohms. Each amplifier is available either in commercial (fixed installation) or professional (for road use) configurations. Commercial models have XLR or barrier strip inputs, and barrier strip outputs. Pro models utilize XLR/phone inputs and ¼" or binding post outputs. All amps have turn-on, turn-off transient protection, DC offset output sensing, and current limiting to prevent damage from short circuits. Front panel volume controls are dB calibrated, detented attenuators. All models feature excellent specs: THD less than .05%, IMD less than .01%, and all models may be operated in bridged mono mode with optional output transformers.

P2075 75 Watts at 4 ohms, 50 Watts at 8 ohms, 2 Channel
#60YAP2075 ..... $450.00

P1150 150 Watts at 4 ohms, 100 Watts at 8 ohms, 1 Channel
#60YAP1150 ..... $450.00

P2150 150 Watts at 4 ohms, 100 Watts at 8 ohms, 2 Channel
#60YAP2150 ..... $625.00

P1250 250 Watts at 4 ohms, 170 Watts at 8 ohms, 1 Channel
#60YAP1250 ..... $550.00

P2250 250 Watts at 4 ohms, 170 Watts at 8 ohms, 2 Channel
#60YAP2250 ..... $795.00

Models above available in Commercial version. Please add suffix "C" to part number. Prices are the same.

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ASHLY FET-200

The FET-200 MOS-FET amplifier from Ashly Audio delivers professional performance with superb reliability. The FET-200 is loaded with features such as modular construction, rear mounted input level controls, balanced inputs (XLR and ¼"), selectable mono and bridging modes, three color LED meters and fan cooling. The FET-200 delivers 100 watts RMS per channel at 8 ohms with a frequency response of ±.5dB from 10Hz to 50kHz.

#60ASFET200 ..... $479.00

ASHLY FET-500

Ashly Audio's FET-500 is a Class A amplifier featuring MOS-FET output devices and a full complimentary front end for high sound quality, near perfect reliability and sound. This sophisticated circuitry provides perfect square wave response with no extra transients or ringing. Stable into any load, it is self-protecting and brownout proof. In short, the Ashly people have done their homework well. The FET-500 includes all the features of the FET-200 and delivers 250 watts RMS per channel at 8 ohms and 400 watts per channel at 4 ohms.

#60ASFET500 ..... $795.00

HAFLER MOSFET POWER AMPLIFIERS

These performance oriented MOSFET designs are a natural for high quality high power audio applications. In part, that's because the load presented to an amplifier by a typical loudspeaker system is far from flat. The ability to deliver "clean" current into such highly reactive low impedance speaker loads is often the factor that distinguishes a superior amplifier from one that is merely adequate. The P225, for example, can plow more than 20 amperes into a short circuit for a brief period. You'll appreciate the individual load-protection fuses and thermal breakers in each channel of your Hafler power amplifier. Of course, both the P225 and the P505 exhibit the same high standards of performance, reliability, and serviceability for which the Hafler hi-fidelity products have become known world-wide. Each has a "ground-float" switch, and optional balanced input. Power bandwidth (−3dB) limit points are a 6Hz and 60kHz. Typical THD and IM distortions are below .005%, with a signal-to-noise ratio exceeding 100dB. The P225 uses silent convection-cooling and delivers 115 watts RMS per channel into 8 ohms, or 350 watts in bridge-mono mode. The P505 uses a "smart" automatic 3-speed fan cooling system, and delivers 225 watts RMS per channel, or 800 watts in bridge-mono mode. It's worth noting that MOSFET amplifiers have a soft-overload characteristic reminiscent of vacuum tube equipment. That means you don't have to waste a lot of headroom to reduce the grungy clipping artifacts which might be produced by a bipolar amplifier of the same power rating.

P225A POWER AMPLIFIER
#60HFP225A $525.00

P505A POWER AMPLIFIER
#60HFP505A $895.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

REVOX B242

This new powerhouse uses the advanced design you expect from Revox. The output stages are engineered to feature low distortion (less than 0.03% from 50mW to 200W per channel, 20 to 20kHz) plus a large bandwidth to achieve a rise time of only 4 microseconds. Each channel has its own separate power transformer and supply. Cooling is implemented by a "heat kicker" (a liquid filled pipe with convector) supplemented by a two speed fan. Sine wave power output is 200 watts per channel (300W peak) into 8, 4, or 2 ohms, and the signal to noise ratio exceeds 117dB. Other features include automatic turn on upon appearance of audio, balanced and unbalanced inputs, and complete protective circuitry.

#60RE242 ..... $2,850.00

ACCESSORY:
RACK EARS WITH HANDLES
#60RE34104 ..... $120.00

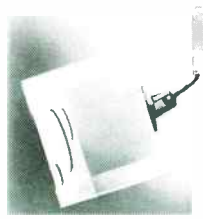
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

HAFLER MONITOR AMPLIFIERS

MOSFETS make better amplifiers. "Conventional" solid state transistor amplifiers require very complex feedback and compensation schemes to deal with the inherent nonlinearities and thermal runaway problems exhibited by conventional bipolar transistors. Since MOSFETS offer high slew-rates, high input impedances, and excellent thermal characteristics, the circuit complexity of a MOSFET amplifier can be greatly simplified while providing audibly improved performance. It stands to reason: Less garbage in the signal path, less garbage at the output. Hafler MOSFET amplifiers are also the easiest to service of any amplifier we know. Should one channel fail, it can be totally removed, and the amp returned to service in a matter of minutes. This, however, is unlikely as the Hafler design also includes unusually complete protection systems including speaker protection fuses. An input "ground float" switch is standard, and a balanced input module is optional. The P125 is rated for 62 watts per channel and the P225 is rated for 115 watts per channel, continuous RMS with both channels driven. Both exhibit a typical THD of .002%, and IM distortion of less than .005%. Slew rate: 30V/uSec.

P125A AMPLIFIER
#60HFP125A **$395.00**
P225A AMPLIFIER
#60HFP225A **$525.00**
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



OMNIMOUNT UNIVERSAL MOUNTING SYSTEMS

These are the most durable and functional mounting systems available. Patented ball and clamp assembly enable omni-directional movement. Wiring can be hidden in the assembly for a dressed installation. Illustrated is the 100WA rear mount. The 100WB is of similar design, but has a double bend tube to hold the device from the bottom. Each suports up to 70 pounds. Call for pricing on other sizes and configurations.

100WA
#60OM100WA **$46.00**
100WB
#60OM100WB **$48.00**

CROWN D-75

Ideal for control room or production monitor applications where accurate reproduction is a must. Dual channel, front panel level controls. 35 watts per channel into 8 ohms. This amplifier can drive any type of load without fear of amp burnout. THD is below .05%, IMD below .01%. Complete output protection, direct coupled circuitry with balanced or unbalanced inputs and front panel headphone output. 19" rack mount standard—uses only 1 rack unit.

#60CR75 ..... **$445.00**
ALSO AVAILABLE:
CROWN D-150AII AND CROWN DC-300AII. See description on page 76.

SYMETRIX A-220 POWER AMPLIFIER

Supplying 20 watts per channel, the A-220 is an excellent choice for powering headphones or driving small monitor speakers. Features include independent level controls on each channel, balanced and unbalanced input connections, and a rear panel switch to select stereo or mono bridge operation. With .08% distortion, the A-220 provides quality and value.

#60SYA220 ..... **$229.00**

BGW 85

The BGW 85 amplifier delivers 35 watts per channel into 8 ohms. Features include all steel chassis and covers, toroidal mains transformers, front panel mounted magnetic circuit breaker, and low feedback discrete circuitry utilizing high power, full complementary output devices. Kits for adding active balanced or transformer inputs are optionally available.

#60BG85 ..... **$459.00**

ATI MA-1000 MONITOR AMP

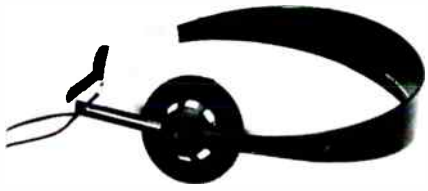
The high quality MA-1000 is an excellent choice as a headphone amp or small room monitor amp. Ten watts per channel stereo or 25 watts mono bridged, the MA-1000 has front panel mode switching, level control and headphone jack, balanced bridging inputs and electronic output protection. One or two units may be rack mounted in a single rack space with optional kit.

#60AIMA1000 ..... **$385.00**
Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

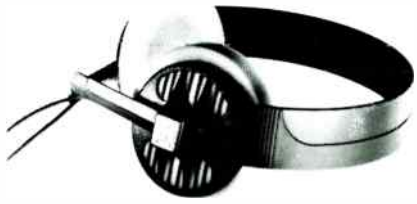
SENNHEISER HD-44 - Stereo, under-chin design headset with replaceable transducers provides sound quality and comfort for those who dislike headband type headphones.

#60SNHD44 . . . . . **$37.00**



SENNHEISER HD-410SL - This open-air headset is extremely popular because of its durability and price. Captive cord, replaceable ear cushions.

#60SNHD410 . . . . . **$42.00**



SENNHEISER HD-414SL - This improved version of the original 414 lightweight headphone features a new wider headband and contoured ear cushions for even greater comfort. Our best selling open design headphone.

#60SN414 . . . . . **$65.00**

VISA, MASTERCARD AND AMERICAN EXPRESS ARE HONORED FOR ALL PURCHASES.

SENNHEISER HD-420 - This open aire design headphone features strap type headband, small ear cushion size and ultra-flat transducers.

#60SNHD420 . . . . . **$71.00**

SENNHEISER HD-430 - Highest quality sound. Semi-open design provides additional earcup padding for sonic isolation. Leatherette headband.

#60SNHD430 . . . . . **$114.00**

SENNHEISER HD-540 - Sennheiser's newest, top of the line open-air design headphone is digital ready. With wide frequency response (165-25,000Hz), and resonance damped design, the HD-540 is suitable for critical reference monitoring. Your ears ride free inside the earpads, eliminating annoying pressure and heat build up.

#60SNHD540 . . . . . **$149.00**

SENNHEISER HD-230 - Closed ear design headphone with two-way driver elements for ultra-wide frequency response. Notch adjustable headband suspension strap.

#60SNHD230 . . . . . **$135.00**

EDCOR HEADPHONE AMPS

The Edcor HA400 Headphone amp is designed to power four separate headphones, switchable to mono or stereo. Individual gain controls can be driven with either line level or phono cartridge input.

The Edcor HA100 studio headphone amplifier designed to power eight headphones with an impedance from 8 ohms to 2,000 ohms. The individual power amplifiers are stereo or mono. The HA100 has an input sensitivity control, balance control and individual gain controls plus balanced or unbalanced inputs. It can be cascaded to other HA100 units. The HA100 can be used as a 16-channel mono distribution amplifier (line level).

(1) HA 400

#61EDHA400 . . . . . **$185.00**

(2) HA 100

#61EDHA100 . . . . . **$266.50**

ACCESSORIES:

RACK MOUNT FOR HA-400

#61EDRM100 . . . . . **$20.00**

RACK MOUNT FOR HA-100

#61EDRM300 . . . . . **$20.00**

RANE HC-6 HEADPHONE CONSOLE

This unique product is more than a headphone distribution amp. A master stereo input drives six independent stereo headphone amplifiers, which provide both a front and rear panel ¼" TRS output. Each amplifier also has a separate mono balanced unbalanced input, allowing the HC-6 to be up to six independent amplifiers. A front panel master level control and mono/stereo pushbutton are also provided. Rack mount is standard.

#60RNHC6 . . . . . **$349.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

BEYER DT-220 - These closed system headphones combine exceptional comfort, long lasting durability and superior intelligibility. Both the headband and earcups are foam filled, and the design of the DT-220 insures high isolation from ambient noise. With a frequency response of 20Hz to 20kHz and high SPL before distortion, these are the headphones for critical monitoring.

#60BEDT220 ..... **$69.00**

AKG K-141 - Deluxe Cardan stereo headphone that is lightweight and comfortable. It is semi-open featuring resonance free characteristics but with greater freedom from low-frequency side effects. The K-141 provides an extremely broad, flat response almost totally free of coloration. Produces sound which is warm, not boomy—open and present without harshness. Weighs 9¼ ounces.

#60AKK141 ..... **$59.00**

STANTON ST-3 - These full range headphones have isolating vinyl covered cushions and an open air design. 2" high velocity drivers with Samarium Cobolt magnets. Adjustable vinyl and metal headband. An excellent value. ¼" to mini stereo adapter plug included.

#60STST3 ..... **$27.00**

FOSTEX T-20 - A lightweight professional quality dynamic headphone providing superior reproduction using Fostex's exclusive RP technology. Absolutely one of the most comfortable phones you'll wear.

#60FOT20 ..... **$57.00**

AKG K-240 - Deluxe Circumaural stereo headphone which provides better directional sound perspective and distance discrimination, faithfully simulating hearing in natural room conditions. Patented design combines main transducers and 12 passive diaphragms, providing cross-over at 200Hz. Matches 4-600 ohm outputs. With 9¾' 4-conductor cable and standard 3-conductor stereo phone plug. Weighs 9¼ ounces.

#60AKK240 ..... **$73.00**

STANTON ST-2 - A lightweight, comfortable headphone with fabric covered foam ear cushions. 1½" drivers, adjustable plastic headband. ¼" to mini stereo adapter plug included.

#60STST2 ..... **$20.95**

KOSS K/6X - A lightweight, dynamic stereo headphone with wide headband for comfort and a low price to really make you comfortable.

#60KOK6X **$27.00**

AKG K-340 - Electrostatic/dynamic two-way stereo headphone. Offers unsurpassed frequency and transient response, plus accurate spatial reproduction. Patented design combines electrostatic high frequency transducers, dynamic mid/low frequency transducers, cross-overs and ten passive diaphragms in circumaural earcups. Matches 4-400 ohm outputs. With a 9.8' coiled cable and standard stereo phone plug. Weighs 14 ounces.

#60AKK340 ..... **$143.00**

STANTON ST-1 - The unique, compact design of the ST-1 makes it just right for a variety of applications. Low distortion, 1⅜" drivers and adjustable plastic headband. Includes ¼" to mini-stereo adapter. At this price, order several.

#60STST1 ..... **$15.00**

World Radio History

E-V SENTRY 100A

An ultra compact monitor for use where sound quality is of primary concern in a compact and economical package. The Sentry 100A features an 8" woofer and a 25 watt SuperDome tweeter responds to 18kHz and survives accidental high frequency blasts from tape head contact during fast forward/rewind. Finished in black with a removable gray grille.

#60ELSEN100 . . . . . **$194.00**

ALSO AVAILABLE:

E-V SENTRY 100-EL - A powered version of the sentry 100A, the E-V Sentry 100-EL contains an internal 50-watt amplifier. A systems-concept that works as well in practice as it does on paper.

#60ELSEN100EL **$375.00**

ACCESSORY:

RACK MOUNT KIT FOR SENTRY 100A OR 100EL.

#60ELSRB7 . . . . . **$25.00**

E-V SENTRY 500

This high-efficiency, high power capacity monitor incorporates several E-V innovations. The system features constant directivity, resulting in a well-defined horizontal and vertical zone where acoustic output in the 500-10,000Hz range is uniform. This characteristic enhances the stereo imaging capabilities of the system providing the accuracy needed in a speaker system designed for critical monitoring. Long term power handling capacity is 100 watts, 40-4,000Hz at 8 ohms. Response is 40-18,000Hz ±3dB. WB23 wall mount kit optional.

#60ELSEN500 . . . . . **$389.00**

ACCESSORY:

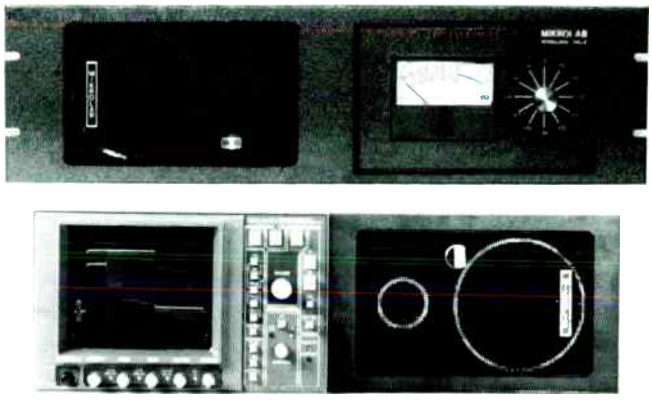
WALL MOUNT KIT

#60ELWB23 . . . . . **$25.20**

ALSO AVAILABLE:

E-V SENTRY 505 - This Sentry monitor incorporates the performance of the Sentry 500 into a specially designed, sloped front cabinet optimized for mounting at the intersection of two surfaces such as a ceiling and a wall.

#60ELSEN505 . . . . . **$389.00**



MIKROLAB

The Mikromonitor system is a high-performance powered monitor system, with balanced bridging input accepting −20dBm to +8dBm feeds. Internal 15 watt RMS amplifier drives a two-way speaker system via a 3kHz LC-type crossover. 4" woofer with 1" multilayer voice coil and 18 oz. ferrite magnet, 1" dome ferro fluid tweeter with 1" voice coil. 40Hz-25kHz. 90-230VAC/47-63Hz. XLR input connector.

#60MBMM1 . . . . . **$169.95**

ACCESSORIES:

RM-1 RACK MOUNT KIT - For mounting any combination of two Mikromonitors, VU panels or blank panels. Three rack units high, black enamel finish.

#60MBRM1 . . . . . **$75.00**

VU-1 VU METER PANEL - High quality VU meter/panel that mounts into rackmount kit or Tek mount.

#60MBVU1 . . . . . **$75.00**

VU-2 VU METER PANEL - High quality VU meter/panel with buffer amplifier and step attenuator (−24 to +24; 4dB step). Balanced 600 ohm XLR input and unbalanced Hi-Z. XLR input.

#60MBVU2 . . . . . **$169.95**

TM-1 TEK MOUNT - Allows installation of Mikromonitor or VU panels into a Tektronix type 528 waveform monitor rack frame.

#60MBTM1 . . . . . **$75.00**

BP-1 BLANK PANEL - Blank panel for RM-1 kit.

#60MBBP1 . . . . . **$25.00**

STUDER 2706

The Studer 2706 monitor loudspeaker is a three way system designed to meet the most basic criteria; accurate reproduction over a frequency range of ten octaves, and a dynamic range of better than 110dB SPL. The bass reflex cabinet system, high power dome transducers, and carefully designed crossovers of this compact system yield the clarity and transparency required of medium sized master control environments. Directivity characteristics enable accurate and stable stereo imaging in the whole horizontal plane. 43 to 20kHz ±3dB, 125 watts peak power handling.

#60SR2706 . . . . . **$670.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

JBL 4412 STUDIO MONITOR

The 4412 is a 3-way monitor system which is capable of remarkably high sound pressure levels, attaining in many applications those levels normally associated with horn/compression drivers. Its 12" laminated construction woofer cone is driven by a 3" voice coil for earthshaking bass down to 35Hz (−6dB point). Optimum enclosure porting and careful network design provide smooth response from the lowest octave, all the way up to 27kHz, making the 4412 ideal for monitoring critical digital recordings. 45Hz-20kHz, sensitivity 90dB, 150 watts max.

#60JB4412 ..... **$438.00**

JBL 4410 STUDIO MONITOR

JBL's new 4410 studio monitor consists of a three-way vertical array of transducers, and is a logical choice for critical digital recording where wide bandwidth, response, and accurate imaging are essential. The 10" woofer uses a paper cone laminated with Aquaplas for smooth action below the 800Hz crossover. A 5" midrange with special damping treatment exhibits negligible dynamic compression, even under maximum drive. The system is topped off with the 035Ti 1" titanium dome tweeter capable of handling up to 30 watts of high frequency information, with absolutely flat axial response up to the top of its range. Frequency response 45Hz-20khz ±2dB, sensitivity 91dB, 125 watts max.

#60JB4410 ..... **$284.00**

JBL 4406 STUDIO MONITOR

The 4406 is the most compact of JBL's new studio monitors, although it uses design techniques common to the much larger monitors. For example, Symmetrical Field Geometry (SFG) in the magnetic gaps and careful attention to the mechanical suspensions insure that the voice coil will intersect equal flux lines during both positive and negative excursions. Together with a flux stabilizing ring on the pole piece, this reduces intrinsic distortion to about one tenth the value found in conventional magnetic structures. The 4406 woofer uses a filled polypropylene cone which combines the smooth response of synthetics with the resistance to breakup typical of pulp or laminated materials. 55Hz-20kHz ±2dB, 87dB sensitivity, 75 watts max.

#60JB4406 ..... **$144.00**

ACCESSORY:
MOUNTING CRADLE

#60JBMC4401 ..... **$45.00**

JBL 4312A CONTROL MONITOR

The 4312A is a direct descendent of the popular 4310, 4311, and 4312 monitors, which have characterized what has come to be known as "the JBL sound". The 2213H woofer, with its 3" edge wound copper ribbon voice coil, and the enclosure design which made the 4312 famous have been retained. New mid and hi-frequency drivers greatly extend the system's transient capability and bandwidth which is now only 6dB down at 27kHz! The new 035Ti tweeter utilizes a pure titanium 1" dome, maintaining flat axial response to the top of its range. A new midrange transducer with optimally damped response has been incorporated into the design, together with a new high resolution crossover network. 45Hz-20kHz, sensitivity 91dB, 100 watts max.

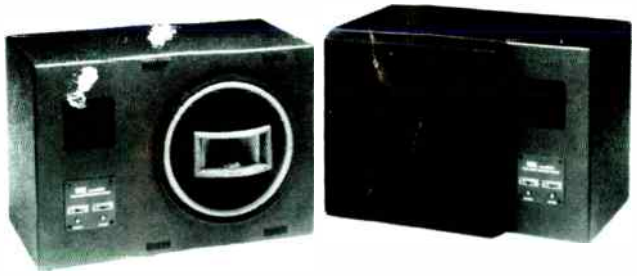
#60JB4312A **$345.00**

JBL 4408 STUDIO MONITOR

The new 4408 is one of the very few monitors available that combines coherent near-field radiation with exceptionally wide range response (−6dB points at 40Hz and 27kHz!). The 8 inch felted cone woofer with its 2" voice coil and SFG magnet structure, provides smooth performance up to 2.5kHz, where the crossover occurs into a 1" titanium dome tweeter. Rolloff slopes are precisely controlled to result in smooth axial and power response. Polypropylene and polystyrene "bypass capacitors" parallel the larger mylar cross-over capacitors to linearize the energy storage for greatest accuracy in reproducing transients. Where the SPL of a space shuttle booster rocket isn't required, the 4408 is definitely a "best buy". Frequency response 50Hz-20kHz ±2dB, efficiency 89dB. 100 watts max.

#60JB4408 ..... **$179.00**

World Radio History



UREI 809

UREI 800 Series Time-Align® Studio Monitors have become a recording studioreference standard because of their unquestioned accuracy. Now, the 809 joins the series within a size and price range suitable for most any near field monitoring application. This design uses a coaxial driver to achieve very low smear (phase distortion) and super-accurate stereo imaging (dispersion). The 300mm driver incorporates a ceramic magnet structure which will not degrade over time, even under intense use. Its patented high frequency horn uses a special diffraction buffer for smoothest off axis response. With an efficiency of 93dB SPL/W/M, you're likely to knock over a wall before blowing out the drivers. 50Hz-17.5kHz ±3dB.

#60UR809 ..... **$627.00**

ACCESSORY:

GRILLE FOR UREI 809

#60UR809G **$30.00**

TOA 265 ME

The 265 ME is a two-way system that features smooth crossover and symmetrically-arranged components that enhance stereo imaging characteristics. The 265-ME contains a 6.3" polypropylene cone woofer and 1.2" soft dome tweeter. Power handling is 75 watts RMS continuous program. The 265 ME is housed in a bass-reflex design, rugged wooden cabinet finished in charcoal-grey. It provides "push-in" input terminals and a durable, removable black jerseymesh front grille.

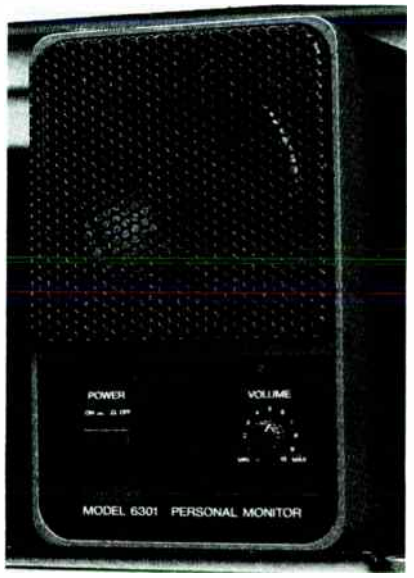
#60TO265ME ..... **$199.00 pair**

AURATONE 5C SUPER-SOUND CUBES

These monitors provide amazing performance for their size and price. Durability, smooth full range response, 30 watts RMS power handling and portability make the Auratone a favorite for comparison and final mixes, auditioning, remotes and as a reference standard speaker. Walnut woodgrain or black vinyl finish with black foam grille.

#60AA5C ..... **$83.00 per pair**

(Specify walnut or black finish)



FOSTEX 6301B

No matter how sophisticated a facility you have, it always seems that you can use additional audio monitoring capability. Now it is available in these convenient high quality self-contained monitors. Measuring only 7¾" x 4¾" x 5", the Fostex personal monitor packs 10 watts RMS power and 80Hz-13kHz response into each unit. Use them alone for mono, in pairs for stereo, or use them throughout your station as a house monitor system. Accepts input levels as low as −10dBv. Keep one pair on the engineer's equipment shelf for special requirements, or take them on remotes for use with your DJ console. Applications for these monitors are practically limitless.

#60FO6301 ..... **$123.00**

OPTION:

FOSTEX 6301X - As above with active-balanced XLR input.

#60FO6301X **$149.00**

FOSTEX RM765/780 REFERENCE MONITORS

Fostex has designed the 765 and 780 to provide a flat frequency response in both 2 pi(rack/wall/soffit) and 4 pi(free field console) mountings, with a front panel adjustment for these two environments. Patented Regulated Phase tweeter and Double Spider woofers are in a coaxial relationship. The monitors are phase and time coherent to provide true concentric point-source reference. The RM-765 has a 6½" woofer, while the RM-780 features an 8" woofer.

RM-765

#60FORM765 ..... **$198.00**

RM-780

#60FORM780 ..... **$259.00**

World Radio History

SHURE SM81

A superb unidirectional condenser mic with the ability to withstand rigorous field use. Extremes of temperature, humidity or physical punishment will not degrade the performance of the SM81. Very low distortion of 0.5% plus 135dB SPL before clipping insure accurate sound reproduction. Built in 10dB attenuator stretches upper limit to 145dB SPL. Selectable low frequency response curve to compensate for proximity effect or low frequency disturbance. Also available in omnidirectional.

SM81 UNIDIRECTIONAL
#60SH81 ..... **$275.00**
OPTION:
SM80 OMNIDIRECTIONAL
#60SH80 ..... **$275.00**

AUDIO TECHNICA AT813

The Audio Technica AT813 has become very popular as an excellent quality electret condenser microphone that rivals the "big guns" in all categories of performance. On/off switch. Cardioid pattern with 20-20kHz response. Battery operation.

#60AT813 ..... **$107.00**
OPTION:
AUDIO-TECHNICA AT813R - Phantom powered version of the AT813.
#60AT813R **$154.00**

Field Production and Shotgun Mics are described on pages 70 and 71.

BEYER MC740N(C) MULTIPATTERN MICROPHONE

The 740 utilizes a large diaphragm, gold vapored double membrane condensor element to reproduce even high SPL program material without overload or distortion. A switch on the casing allows you to select omni, cardioid, wide cardioid, hyper-cardioid, and figure eight patterns. Response is uniform, regardless of which pattern is selected, exhibiting a precisely contoured presence rise with a +4dB shelving characteristic above 6kHz. A selectable hi-pass filter rolls off the low end below 8Hz or 160Hz, and with its 10dB pad in circuit, the MC740N will perform accurately at sound pressure levels of up to 144dB. Its internal elastic transducer suspension greatly reduces the need for external shock mounting hardware.

#60BEMC740NC **$1,000.00**
ALSO AVAILABLE:
MC740N(C/5) VERSION - Terminating in a special 5 pin XLR connector to interface with a special power supply which offers remote controllable patterns.
#60BEMC740C5 ..... **$1,050.00**
POWER SUPPLY FOR MC740N(C/5)
#60BEMSG740NC **$550.00**
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

FOSTEX M11RP AND M88RP

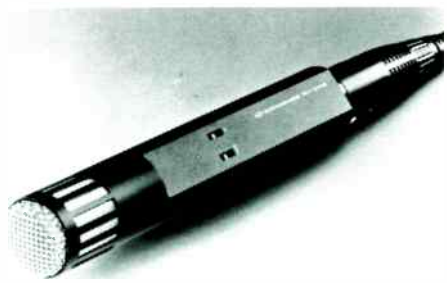
Fostex microphones use a unique "printed ribbon" diaphragm design, combining the warmth and accuracy of a ribbon mic with the ruggedness of a condenser type. In addition, a carefully optimized high-frequency characteristic provides crisp, clean audio with greatly reduced susceptibility to sibilance problems. Because the printed coil remains in an area of uniform flux-density, even during large excursions, output linearity is exceptional at all SPL levels. The unidirectional M11RP and bidirectional M88RP both have 3-position bass equalizers and an integral shock mount (similar to those supplied years ago with the RCA BK-5).

M11RP
#60FOM11RP **$429.00**
M88RP
#60FOM88RP **$471.00**

SENNHEISER ELECTRET MIC SYSTEM

Start with the K3U Universal Powering Module (mercury battery or phantom power), then add the condenser head that is right for your application. Battery life approximately 600 hours. LED indicator flashes at turn on to indicate at least 20 hours remaining. 3-position rolloff switch (flat/−7dB at 50Hz/−20dB at 50Hz). The ME-80 and ME-88 are both pressure-gradient type microphones. The ME-80 acts like a shotgun above 3kHz, cardioid below 3kHz. The ME-88 includes foam windscreen. Options include a windscreen for ME-80, camera mount, and 27" telescopic boom with internal wiring.

K3U POWERING MODULE
#60SNK3U **$138.00**
ME-20 OMNI - 50-16kHz.
#60SNME20 ..... **$73.00**
ME-40 CARDIOID - 80-16kHz.
#60SNME40 ..... **$107.00**
ME-80 SUPERCARDIOID - 40-15kHz.
#60SNME80 ..... **$160.00**
ME-88 SHOTGUN - 40-16kHz.
#60SNME88 ..... **$214.00**
ACCESSORIES:
MZW-415 - ME-80 Windscreen.
#60SNMZW415 ..... **$29.00**
MZS-802 - 27" Telescopic boom.
#60SNMZS802 ..... **$85.00**
MZG-802 - Camera mount.
#60SNMZG802 ..... **$51.00**
PX-23 - Replacement Battery.
#61SNPX23 ..... **$6.00**
Call for Package Pricing On Your Complete System!!



SENNHEISER MKH 40P48

This new studio condenser microphone is ideal for digital recording due to its extremely low inherent noise, superb linearity, and freedom from distortion at high sound pressure levels. Whatever your application, you will appreciate the true cardioid directional characteristics of the MKH 40. Features include switchable roll-off filter, −10dB pad switch and transformerless output. Like all Sennheiser studio condensors, the MKH 40 employs the RF-principle which performs flawlessly in the toughest environments. Phantom powered.

#60SNMKH40 ..... **$669.00**

World Radio History

AKG C414/ULS

A new version of one of our most popular mics uses an ultra-linear element for flatest response. This large diaphragm condenser is switchable for four pickups patterns (hypercardioid, cardioid, omni and bidirectional). Built-in three position attenuator and selectable bass roll-off. An ultimate studio microphone. 30-20kHz response. Low impedance. Its wide range and very low noise make it the microphone of choice for digital recording. Phantom power.

#60AK414 ..... **$783.00**

ACCESORY:

ELASTIC SUSPENSION SYSTEM - for the AKG C414/ULS microphone.

#60AKH17A **$165.00**

AKG C-460/CK-61 "ULS"

This microphone provides exceptionally linear frequency response as well as ultra low noise and distortion. Preamp includes (70-150Hz) bass weight and – 10dB attenuation switch. Cardioid pattern.

#60AKC460BC **$424.00**

AKG C451EB

Found in many recording studios, the C451EB has earned a reputation as one of the finest mics available where absolute accuracy is a must. Modular condenser element capsules offer your choice of cardioid (CK-1) or omni-directional (CK-22) patterns (please specify). 30-20kHz response. Phantom power operation.

#60AKC451EBC **$376.00**

KM83/84/85
CONDENSOR MICROPHONES

The KM-Series of microphones are specialized – application recording microphones with tightly-defined frequency response characteristics. The KM83 omni-directional mic is designed for overall sound pickup with flat response; the KM84 cardioid provides exact response with in a ± 135 degree angle; and the KM85, also cardioid, provides natural LF rolloff and automatically compensates for proximity effect. Capsules are interchangable, as all amplifiers are identical. The WNS-21 windscreen is provided with each mic, and extension tube options are available for applications requiring unobtrusive mic placement.

KM83

#60NEKM83 ..... **$398.00**

KM84

#60NEKM84 ..... **$398.00**

KM85

#60NEKM85 ..... **$398.00**

NEUMANN SM69
STEREO CONDENSOR MIC

A studio mic for high quality stereo recordings. The mic head contains two separate condensor elements, and two preamps are also provided. The upper capsule rotates through a 270° arc, making M/S or X/Y mic techniques possible. A total of nine polar patterns for each element may be remotely selected for each element. Accurate mono-sum audio is provided, as mic element placement results in Ø phase delay between channels. May be operated from central 48V phantom power using the CU48I power adapter/pattern selector. Price includes CU48I.

#60NESM69 ..... **$3,000.00**

ACCESSORY:

NS69 AC POWER SUPPLY - For CU48I when phantom power is not available.

#60NENS69 ..... **$95.00**

ALSO AVAILABLE:

NEUMANN USM69 - Same as SM69 with pattern selector switches on microphone. Requires 48V external powering.

#60NEUSM69 ..... **$2,770.00**

NEUMANN U-89
STUDIO CONDENSOR MIC

A 5 pattern studio mic with exceptional frequency response and overload characteristics, the U-89 is highly adaptable to both large instruments and wide sound sources. Sound levels up to 140dB SPL are handled with less than 0.5% distortion, using the – 6dB rotary switch. A high pass filter provides 80Hz or 160Hz rolloff. Requires 48V external power. Includes swivel adapter, windscreen and 25' cable.

#60NEU89 ..... **$1,235.00**

OPTION:

U-89 As above - with EA89 shock-mount supension instead of swivel adapter.

#60NEU89Z **$1,335.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

NEUMANN U-87A

A standard in the recording industry since 1967, its fame arises from its good sound characteristic and ease of use. An excellent vocal mic, it includes three separate switches for pattern selection, frequency response, and pressure sensitivity. A frequency-dependent feedback circuit at the FET gate reduces sensitivity below 30Hz, while keeping 40Hz frequency response linear. As a result, low frequency "blocking" of the amplifier from wind noise or shock is avoided. This is a substantial design improvement over simple lo-cut filters. Requires 48V external power. The new "A" version eliminates internal battery operation, resulting in an 8 to 10dB greater output with 3 to 6dB less noise. Includes swivel adapter, windscreen and 25' cable.

#60NEU87A **$1,300.00**

OPTION:

U87AZ As above - with Z48 shock mount suspension instead of swivel adapter.

#60NEU87AZ **$1,400.00**

World Radio History

STUDIO SERIES MICS

The Studio Series is manufactured for us by Audio Technica and offers excellent quality at a value price.

STUDIO SERIES ST-35

This all new low impedance cardioid vocal mic is one of the best values available. It is rugged, great sounding and comes complete with cable with XLR connectors.

#60SSST35 . . . . . **$84.95**

STUDIO SERIES ST-55

This dependable vocal mic is made to withstand the rigors of road use without sacrificing performance. It features very low handling noise and a built-in "pop" filter with heavy mesh grille. Cable included.

#60SSST55 . . . . . **$118.50**

STUDIO SERIES ST-15

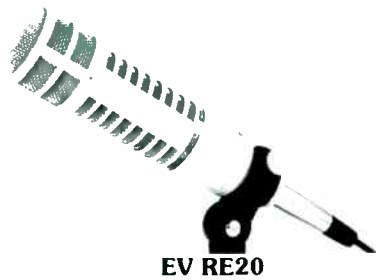
Without a doubt, the best low-priced vocal mic available. Rugged dynamic element with an impressive frequency response of 60-15kHz! Cardioid pattern greatly reduces feedback potential. On/off switch. Built-in "pop" filter. High impedance, with captive cable.

#60SSST15 . . . . . **$36.50**

AUDIO TECHNICA AT836

This mic has quickly found favor with musicians and recording engineers because of its outstanding gain-before-feedback qualities in close-up applications. Dynamic with a cardioid pattern.

#60AT836 . . . . . **$106.00**



EV RE20

You'll see this mic in many of America's premier broadcast stations with good reason! Performance that rivals the best condenser mics, undistorted output at high SPL, and a carefully tailored response curve make the RE20 a unique performer and a true industry standard.

#60ELRE20 . . . . . **$409.00**

ACCESSORY:
SHOCK MOUNT for RE20 microphone.

#60EL309 . . . . . **$65.00**

EV RE10

Moderately priced dynamic cardioid for studio and remote work. Variable-D design reduces proximity effect, gives maximum attenuation 150° off axis.

#60EL10 . . . . . **$168.00**

EV RE11

Similar to the RE10 with the addition of integral blast filter. Tight cardioid pattern. AN excellent choice for on-air announcing.

#60ELRE11 . . . . . **$162.00**

EV RE55

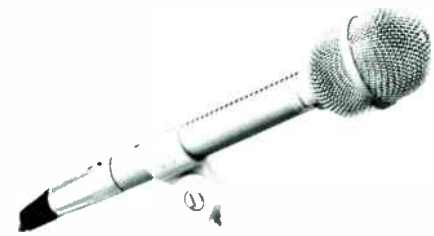
The flat response from 40 to 20,000 Hz, and omni-directional polar pattern of the RE-55 make it a favorite for single pair stereo recording. Free of distortion at sound pressure levels approaching 160dB.

#60ELRE55 . . . . . **$219.00**

EV RE15

Similar to RE10 with improved frequency response. Tight manufacturing tolerances make the RE15 ideal where multiple mics are needed with identical characteristics.

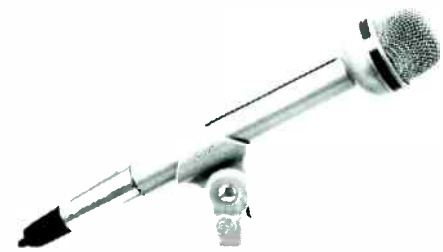
#60EL15 . . . . . **$229.00**



EV RE16

Similar to the RE15 with a different blast filter for closest hand held use. Rugged, mechanically nested design resists damage.

#60EL16 . . . . . **$239.00**



EV RE18

A direct descendant of the RE15 and RE16, the RE18 has an added integral shock mount. This reduces handling and cord noise, and effectively silences the transmission of mechanical stand and lectern noises. Includes Memraflex" grille (standard on most RE series mics). Resists dents and maintains its shape.

#60ELRE18 . . . . . **$246.00**

ELECTRO-VOICE 635A

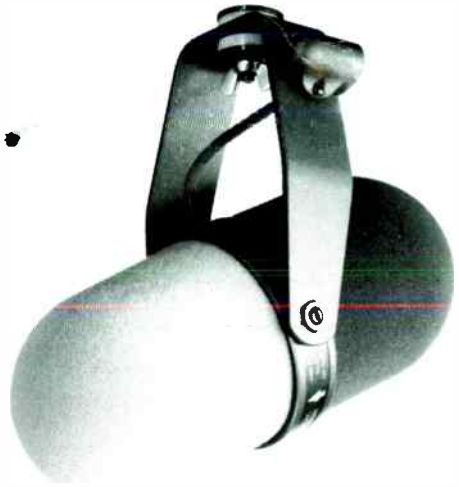
Most popular mic in broadcast, studio or remote. Stand or hand held. Virtually indestructible. 80-13kHz response, omnidirectional.

#60EL635A **$79.00**

ACCESSORY:
WINDSCREEN

#60EL314E **$8.50**

World Radio History



SHURE SM-5B

An excellent announcer's mic with a warm character and a moderate presence rise. Cardioid pattern with ultra smooth off axis response makes the SM-5B a star performer in multi-microphone applications. An integral wind-screen surrounds the large diaphragm element and elastic suspension elements. Particularly insensitive to electromagnetic fields. 50Hz-15kHz.

#60SHSM5 ..... **$419.00**

SHURE SM57-LC

A rugged cardioid mic for hand held use. Presence boost and low end roll-off for excellent voice intelligibility. Finished in non-glare gray enamel for unobtrusive stage or on-camera use.

#60SH57 ..... **$105.00**

Bradley Broadcast carries the complete line of the most respected mic manufacturer's... AKG, Audio Technica, Beyer, Crown Electro-Voice, Fostex, Neumann, Sennheiser, Shure, Sony and TOA.

SHURE SM-7

Among the finest professional dynamics in use today, its sound has made it popular for voice over recording in radio and TV work. It features 40-16,000Hz response with four selectable response curves, an accurate symmetrical cardioid pattern and integral air suspension shock mount. Wind, boom and breath-pop noises are effectively eliminated by its integral foam windscreen.

#60SHSM7 ..... **$399.00**

SHURE SM58-LC

World standard professional stage microphone. Cardioid pattern with spherical windscreen and fixed bass rolloff to prevent popping or boominess in close-up use. Rugged enough to withstand a six foot drop with no adverse effects.

#60SH58 ..... **$129.00**

SENNHEISER MD409

This large diaphragm cardioid mic is especiallly well suited for close miking. The response characteristics of the MD409 make it an excellent broadcast mic. Its integral shock mounting and ability to handle high sound pressure levels also recommend the MD409 for many studio applications. Matte black finish with gold plated basket.

#60SN409 ..... **$185.00**

Field Production and Shotgun Mics are described on pages 70 and 71.

SENNHEISER MD421

Hailed worldwide for its durability and lively sound quality. Dynamic element with large diaphragm makes voice "jump right out". Multi-purpose bass roll-off switch. Smoothly rising response from 30-17kHz. Cardiold pattern. Highly recommended.

#60SN421 ..... **$255.00**

SENNHEISER MD441

A top professional mic that is often called acoustically transparent. Widely used in the studio and on the road. Super cardioid pattern prevents leakage and feedback. Ten-position bass contour switch. Smooth response from 30-20kHz. One of the best dynamic mics available.

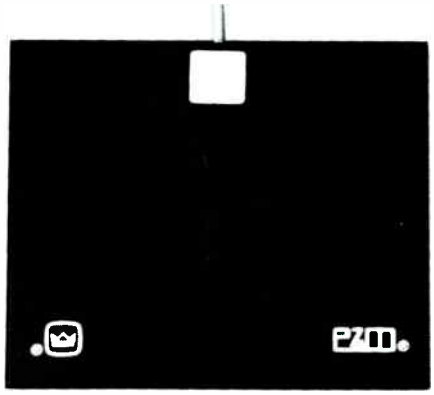
#60SN441 ..... **$349.00**

SENNHEISER MD431

Sennheiser's MD431 is one of the finest handheld vocal mics available. If features a cardioid pattern, rugged construction and an on/off switch. Low impedance.

#60SN431 ..... **$269.00**

World Radio History



CROWN PZM

CROWN PZM - This unique mic works on the principle of sound detection, utilizing the pressure zone at an acoustic boundary to eliminate distortion and comb-filtering problems. Excellent sensitivity allows pick up of sounds with greater clarity and at greater distance than conventional mics. While presenting new opportunities in recording and sound reinforcement, the PZM is not meant for situations where background noise is undesirable. Its unobtrusive design makes it easy to hide on a podium, table, even on the floor. Call for our complete PZM catalog, power supply and accessory pricing.

AVAILABLE MODELS INCLUDE:

PZM-6FS - A low profile PZM microphone for most exacting recording or sound reinforcement applications. New, miniaturized electronics built into the XLR connector make direct phantom powering possible. No external interface required. Silver finish.

#60CRPZM6FS **$260.00**

PZM-6R - Similar to the 6FS, except with smoothly rising response for greater high end clarity. Available in black or gold.

PZM-6RB BLACK

#60CRPZM6RB **$260.00**

PZM-6RG GOLD

#60CRPZM6RG **$260.00**

PZM-30R - With larger boundary surface than the 6 series, these units have enhanced high frequency response for bright, crisp sound. New, miniaturized electronics built into the microphone cantilever make direct phantom powering possible. No external interface requried. Available in black or gold.

PZM-30RB BLACK

#60CRPZM30RB **$260.00**

PZM-30RG GOLD

#60CRPZM30RG **$260.00**

PZM-30FS - Similar to the PZM-30R, but with smooth flat, high frequency response for most accurate pickup.

#60CRPZM30FS **$260.00**

PCC-160 - A phase coherent cardioid surface mounted boundary microphone for use wherever improved gain before feedback and articulation are important. Bass boost/cut switch. Heavy construction. Phantom powered.

#60CRPCC160 . . . . . **$209.00**

PZM-180 - A low impedance "semi-pro" mic for applications that require PZM advantages but with budget restrictions. No external interface required. Powered by an internal battery ("N" cell) or external phantom power. Male XLR type connector in mic handle. No cable supplied.

#60CR180 . . . . . **$139.00**

CROWN SOUND GRABBER

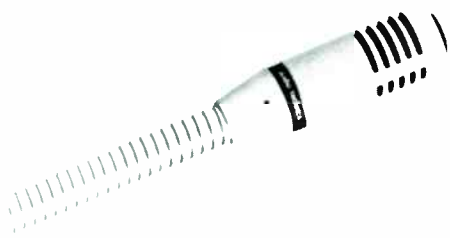
Built on a new concept in mic design, this PZM mic captures direct and reflected sound waves at the precise moment they reinforce each other to provide the extra clarity and range needed for better recordings. Accurately picks up sound from any direction in front of the mic, and does not have to follow the action closely. Ideal for conferences or wherever the sound sources tends to wander. Comes equipped with a standard cassette mini-mic plug on a 10' cord. Adapters available for use with any recorder.

#60CRSG **$77.00**

AUDIO TECHNICA AT853

This tiny microphone is perhaps the most versatile ultra-miniature cardioid microphone you can find. It is barely over 1⅛" long, less than ½" in diameter, and weighs just ½ ounce; yet provides wide, flat frequency response and a remarkably uniform unidirectional pick-up pattern at every frequency. Two mounting methods are provided with the AT853: cable hanger and stand adapter.

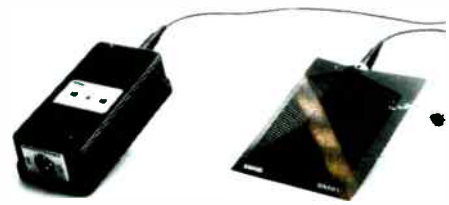
#60AT853 . . . . . **$166.50**



AUDIO TECHNICA AT838G

A unique product from Audio Technica is this unidirectional gooseneck mounted dynamic mic. This one piece unit features 3-pin XLR connector. Designed for quiet operation, allowing for live movement of mic without loud crunching noise typical of other goosenecks.

#60AT838G **$77.00**



SHURE SM-91

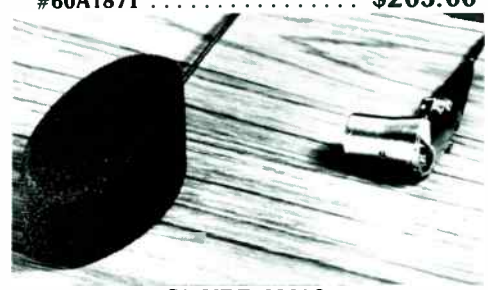
A surface mount electret condenser cardioid mic which is ideal for conference recording or teleconferencing. Using boundary-effect pickup techniques results in high sensitivity and freedom from phase cancellation effects. Unlike similar mics, the SM-91 is cardioid. Generating the pickup pattern in the mic capsule instead of with external barriers assures much more consistent off axis rejection. Remote preamp is connected with a 25' mini-cable and powered via internal 9V batteries or 11-52V phantom power. Includes low-cut switch, LED battery condition indicator, on/off switch and A3M connector. 30Hz-20kHz with presence boost.

#60SH91 . . . . . **$229.00**

AUDIO TECHNICA AT871

A wide-range condenser microphone with a hemi-cardioid pattern, incorporating a specially modified Uni-Point® microphone in a boundary enclosure. This design improves directionality and mic sensitivity, and reduces phase distortion from reflected sound energy. The AT871 can be powered by 9-52V phantom power or from a 1.5V cell in the powering module. A 3-position switch selects battery off/on/on with low frequency "roll-off". Roll-off selection is available for either phantom or battery operation, and a battery need not be installed when phantom power is employed. System includes mic, powering module, and 25' interconnecting cable.

#60AT871 . . . . . **$205.00**



SHURE SM18

The SM18 microphones are inconspicuous, low profile, foam-encased microphones designed for optimum speech pickup when mounted on a table top or lectern. This design maximizes the output by using the reflected sound from the tabletop. Cardioid pattern with 150-10kHz response, low impedance, and available in white or brown.

#60SHSM18 . . . . . **$67.00**

World Radio History

CROWN GLM

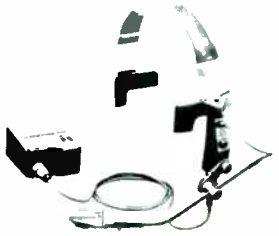
The GLM's smooth frequency response has the sound of expensive condenser recording microphones and is often used in recording situations where placement of a larger microphone would be physically or visually difficult. Professional features abound: low mechanical noise, superior off-axis rejection, special strain/flex relief at both ends and a sub-miniaturized electronics package built into the XLR connector so no external power supply is needed. Available in two models.

GLM 100 OMNIDIRECTIONAL CONDENSER
#60CRGLM100 ..... **$159.50**
GLM 200 HYPERCARDIOID CONDENSER
#60CRGLM200 ..... **$189.00**
SPECIAL APPLICATION OPTIONS:
#60CRGLMCM Cymbal Mount .. **$29.00**
#60CRGLMDM Drum Mount **$4.50**
#60CRGLMHM Horn Mount **$16.50**
#60CRGLMTM Tie Mount **$4.50**
#60CRGLMUM Universal Mount .. **$7.50**

SHURE SM SERIES HEAD-WORN MICS

An excellent solution to the problem of hands-free close-talking vocal pickup. This series of head-worn mics is designed for use in sports, newsgathering and intercommunication systems.

SHURE SM10A - Mic only.
#60SH10 ..... **$109.00**
SHURE SM12A - One integral earphone receiver.
#60SM12 ..... **$141.00**



TOA HY1

The TOA HY1 is a professional headset microphone with a unique design. This microphone is ideal for use where high quality vocal audio reinforcement is needed. A fixed-charge condenser mic element provides wide, smooth frequency response with low-end roll off and a cardioid pattern that minimizes noise interference and provides well balanced low frequency response. A stereo headphone monitoring system allows monitoring and control of user's vocals directly, plus an external line level input signal, for independent monitor level adjustment.

#60TOHY1 ..... **$199.00**

SONY LAVALIER MICROPHONES

Since their introduction in 1969, Sony lavaliers have found wide acceptance among professionals because of their clean, accurate sound and reliability. This new series provides increased immunity to external noise and the convenience of operation with "AA" size batteries. The ECM-55 has an omni-directional pattern for the widest variety of applications. The ECM-66 has a uni-directional pattern ideal for musical instruments miking.

The ECM-77, a mere 1.5 grams, is Sony's smallest lavalier. All versions come complete with powering system (internal battery or external DC 48V) and are available in black and satin. (Please specify).

ECM 55
#60SO55 ..... **$192.00**
ECM 66
#60SO66 ..... **$225.00**
ECM 77
#60SO77 ..... **$237.00**

SONY ECM 44BPT

Our most popular mic for wireless mic applications. Electret condensor element with omni-directional pattern, this mic is provided without connector. Frequency response 40-13,000Hz. Black.

#60SO44BPT **$62.00**

SENNHEISER MKE-2

The popularity of the MKE-2 has been phenomenal. The open, natural sound plus the small size (less than ¼" diameter, approximately 7/16" long) make the MKE-2 unique. Provided with a wide variety of accessories, this mic may be powered by the K3U module for battery or phantom power operation. Color is black. Frequency response 40-20,000Hz.

MKE 2-3 - Ten foot cable for use with K3U module.
#60SNMKE23 ..... **$169.00**
MKE 2-PT - Unterminated for use with wireless systems.
#60SNMKE2PT **$149.00**
SPECIAL!!!!!
MKE 2 and K3U MODULE COMBINATION
#60SNMKE23C **$239.00**

AUDIO TECHNICA AT805S

An excellent choice for demanding requirements. High sensitivity electret condenser element with response from 50-15kHz. On/off switch. Omni-directional pickup pattern battery operation.

#60AT805S **$56.00**

SHURE SM11

The world's smallest dynamic lavalier mic! Optimized response, natural sound quality plus ruggedness make it a leader. Three mounting options provided are lavalier cord, tie bar and tie tack. Special belt clothing clip for strain relief also included.

#60SH11 ..... **$79.00**

World Radio History

MICROPHONE ACCESSORIES

(1) MICROPHONE SWIVEL ADAPTER - Fits most Shure mics.
#61SF1 ..... **$4.95**

(2) BEYER MKV6 - A spring-loaded mic swivel adapter. Fits most mics.
#61BEMKV6 ..... **$8.50**

(3) SHURE A2WS WINDSCREEN - Designed for Shure SM-56, SM-57 and 545SD mics.
#61SHA2WS **$9.50**

(4) SHURE A58WS WINDSCREEN - Designed for many ball type microphones. Available in red, orange, blue, brown, black, white, green and yellow. Please specify color when ordering.
#61SHA61WS **$5.50**

(5) SHURE SM-58 REPLACEMENT SCREEN
#61SHRK143G **$24.00**

TRANSFORMERS

SHURE A95U - In line impedance matching transformer with male XLR connector. Supplied with both male and female ¼" adapters.
#61SHA95U **$23.75**

SHURE A95UF - In line impedance matching transformer with female XLR connector. Supplied with both male and female ¼" adapters.
#61SHA95UF **$27.00**

Bradley provides the widest selection of mic accessories available. Let us solve your toughest problems.

LUXO LM-1

Professional spring loaded boom with 41" reach. Price includes your choice of standard mounting brackets. For mics up to one pound.
#61LULM1 ..... **$31.95**
OPTION:
LM-1 WITH PRO-BRACKET RISER
#61LULM1R **$48.90**

LUXO KM-1

For mics from 1½ to 3 lbs. Includes choice of standard mounting bracket.
#61LUKM1 ..... **$53.00**
OPTION:
KM-1 WITH PRO-BRACKET RISER
#61LUKM1R **$69.95**

PRO BRACKET

Rugged, all aluminum, 12" pedestal provides for more convenient installation and a longer reach for your Luxo boom.
#61LURISER **$17.95**

LUXO STANDARD MOUNTING BRACKETS

(1) C-CLAMP
#61LUABR **$9.00**
(2) TABLE MOUNT
#61LUCBR **$9.00**
(3) WALL MOUNT
#61LUBBR **$9.00**

AUDIO TECHNICA AT8410A SHOCK MOUNT

"Universal" Shock Mount with clothes-pin flexible clamp to fit most shapes and sizes of mics without extra sleeves or adapters. Special neoprene suspension cords isolate the mic from shock from every direction. Easily fits standard ⅝" 27 stands and mic booms.
#61AT8410A **$32.50**

AUDIO TECHNICA 8415 SHOCK MOUNT

This shock mount from Audio Technica is designed primarily for the rigors of field production. Elastic suspension accommodates a wide variety of mics. Versatile and economical.
#60AT8415 ..... **$34.00**

World Radio History

MICROPHONE STANDS

(1) ATLAS MS-12C - Atlas's basic stand.
#61ATMS12 . . . . . **$18.00**

(2) ATLAS PSC - Two section collapsible mic stand. Lightweight, yet stable.
#61ATPSC **$28.00**

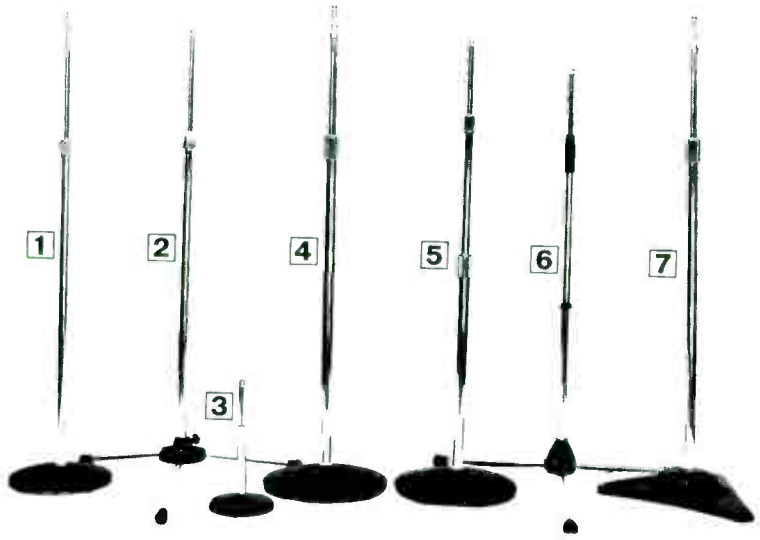
(3) ATLAS DS-7 - Heavy duty adjustable desk stand.
#61ATDS7 . . . . . **$10.75**

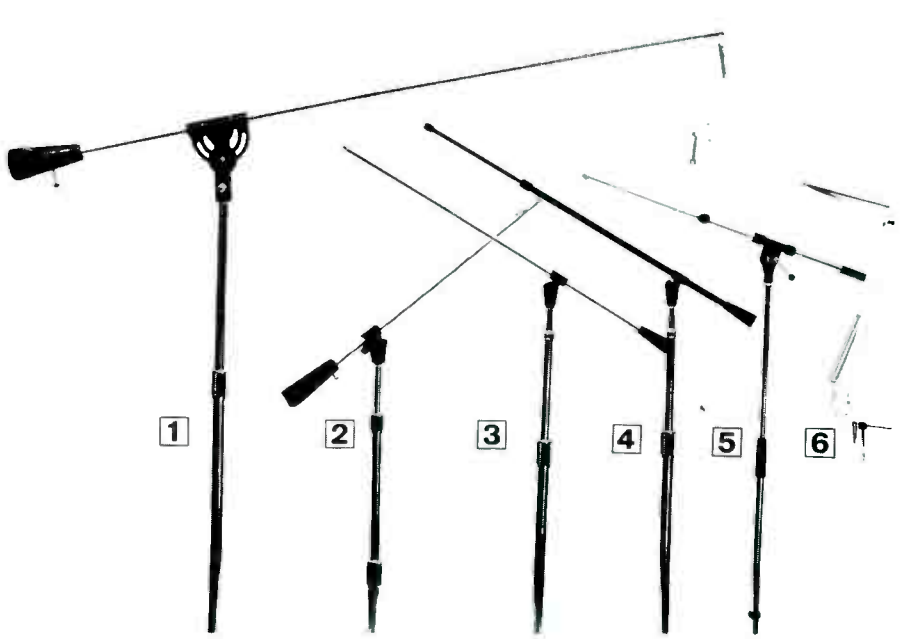
(4) ATLAS MS-20 - Heavy duty mic stand with shock mounting.
#61ATMS20 . . . . . **$35.00**

(5) ATLAS MS-4 - A three section version of the MS-20.
#61ATMS4 . . . . . **$30.00**

(6) BEYER SCH-201 - Professional two section collapsible mic stand. Lightweight, yet stable.
#61KM201 . . . . . **$29.95**
Also available in Black:
#61KM201B **$29.95**

(7) ATLAS MS-25 - Heavy duty professional mic stand with shock mounting.
#61ATMS25 . . . . . **$55.00**





BOOMS

(1) ATLAS SB-36 - Professional boom stand with grip action clutch and air suspension. Boom length 62"
#61ATSB36 . . . . . **$121.00**
OPTION:
ATLAS SB-36 WITH WHEELS
#61ATSB36W **$143.00**

(2) ATLAS PB-10X - Adjustable 31" to 47"
#61ATPB10X **$23.00**

(3) ATLAS PB-10 - 31" boom.
#61ATPB10 . . . . . **$19.50**

(4) ATLAS PB-20XE - Two section collapsible boom adjustable 21" to 37". Black finish.
#61ATPB20XE **$18.95**

(5) BEYER SCH-211/2 - Professional collapsible boom. Extends to 38"
#61KM2112 . . . . . **$18.95**
Also Available in Black.
#61KM2112B **$18.95**

(6) LUXO LM-1 - Professional spring loaded boom designed to be totally adaptable for tight or unusual situations like small control rooms. Includes your choice of mounting bracket.
#61LULM1 . . . . . **$31.95**
OPTION:
LUXO KM-1 - For heavy mics 1½ to 3 lbs. Includes your choice of mounting brackets.
#61LUKM1 . . . . . **$53.00**

MICROPHONE BOOM STAND - A low cost professional collapsible mic stand with a fully adjustable 31" boom.
BOOM ONLY
#61VI03 . . . . . **$14.95**
STAND ONLY
#61VI201 . . . . . **$25.00**
SPECIAL!!
BOOM & STAND COMBINATION . **$38.50**

World Radio History

Bradley Broadcast carries a complete selection of mounts, windscreens, and electrical accessories for all major microphone manufacturers. Call us with your requirements.

MICROPHONE ACCESSORIES

(1) ATLAS AD-11B - Gooseneck mounting flange. Female 5/8"-27.
#61ATAD11B **$4.40**

(2) ATLAS AD-18B - Heavy duty gooseneck mounting flange. Female 5/8"-27.
#61ATAD18B **$6.95**

(3) ATLAS AD-12B - Gooseneck mounting flange. Male 5/8"-27.
#61ATAD12B **$4.65**

(4) ATLAS CO-1B - Useful connecting adapter.
#61ATCO1B..... **$9.95**

(5) ATLAS LO-2B - Accessory for quick fastening or disconnect of mic holder or boom.
#61ATLO2B **$9.00**

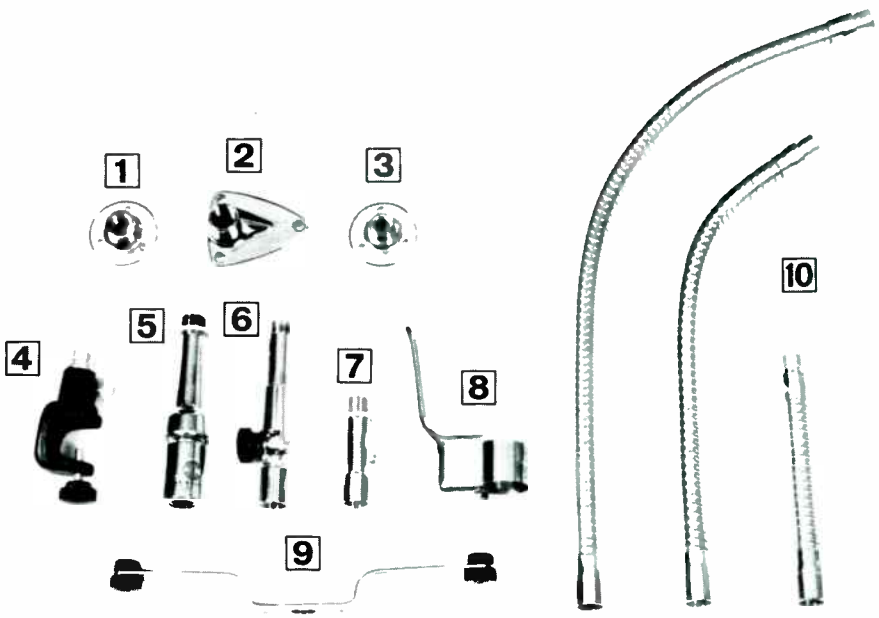
(6) ATLAS SW-1B - Convenient swivel attachment.
#61ATSW1B **$12.00**

(7) ATLAS VM-1 - Shock mount for reducing external vibration pickup through the mic.
#61ATVM1 ..... **$13.75**

(8) ATLAS CH-1B - Cable hanger - mounts to mic stand pole.
#61ATCH1B **$8.00**

(9) ATLAS TM-1 - Twin mount for horizontal extension and installation of two or three mics on any standard mic stand.
#61ATTM1 ..... **$12.50**

(10) GOOSE NECKS
6" GOOSE NECK
#61ATGN6 ..... **$3.15**
13" GOOSE NECK
#61ATGN13 ..... **$4.50**
19" GOOSE NECK
#61ATGN19 ..... **$6.15**



RADIO SYSTEMS DC-5MA

The DC-5MA is a five channel low noise, high performance microphone preamp. Input trim is individually adjustable for each mic, with active balanced output. S/N ratio is −97dB, crosstalk is below the noise floor. Requires power supply. Part of the DCX network detailed on page 56.

#60RADC5MA **$325.00**

ACCESSORY:
POWER SUPPLY - 18 volt.
#60RADCPS36X **$99.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

ATI M-1000 MICROPHONE AMPLIFIER

This dual channel mic preamp is the ideal method of obtaining improved performance from your present equipment at budget prices. The M-1000 uses premium IC amplifiers to provide excellent audio specifications and ATI ground-plane design provides excellent RF immunity. The inputs are transformer coupled using XLR-type connectors, and ATI gives you with a choice of output configurations. Low noise and distortion with 72dB of gain. One or two units may be rack mounted in a single rack space with optional accessory.

M-1000-1 TRANSFORMER OUTPUTS
#60AIM1000-1 ..... **$365.00**

M-1000-2 BALANCED DIFFERENTIAL OUTPUTS
#60AIM1000-2 ..... **$365.00**

ACCESSORIES:
SINGLE UNIT RACK MOUNT
#60AI20021 ..... **$17.00**
DOUBLE UNIT RACK MOUNT
#60AI20024 ..... **$22.00**

World Radio History

SYMETRIX 528 VOICE PROCESSOR

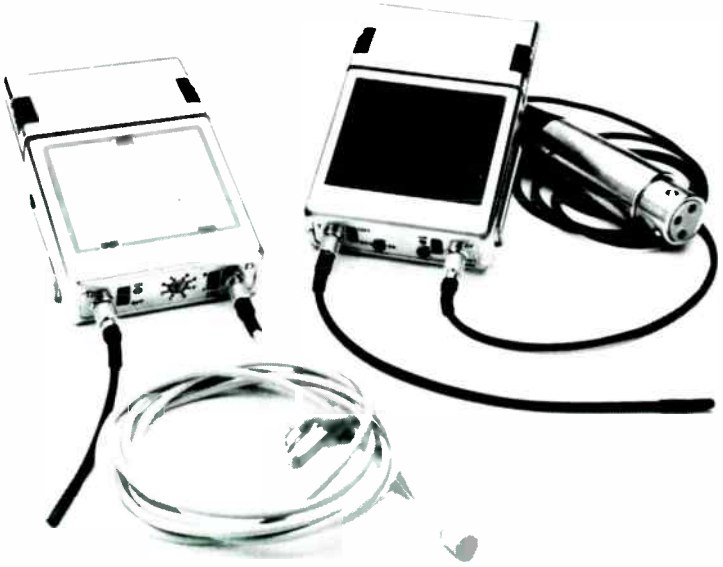
The 528 is a complete system that contains all the control functions needed for voice processing: mic preamp, compressor/limiter, downward expander, parametric equalizer, and de-esser. It is intended for use as a broadcast announce mic processor, as a complete input stage for public address systems, and as a specialized processor for recording and sound reinforcement. Switchable phantom power is provided for condensor mics. Complete processing in a single rack space.

#60SY528 . . . . . **$539.00**

VALLEY PEOPLE 400 MIC PROCESSOR

In most programming formats, the name of the game is consistency...this integrated mic processing system is a key ingredient in assuring that your air personalities consistently sound their best. The system starts with a high accuracy, low noise mic preamp followed by a 3-band equalizer specially contoured for vocal applications. The 400's compresssor section is optimized for maximum "punch" with an interactive expander section that assures that your air talent will not sound like they've been sucked through the microphone and into the transmitter each time they take a breath. A switchable on board de-esser is also provided, making the 400 the most complete and cost effective microphone processor on the market. Inputs and outputs are XLR, with ¼" send/receive jacks.

#60VP400 . . . . . **$539.00**



Sennheiser and Bradley offer a wide range of wireless systems, including the pocket system described at left, and single and multi-channel diversity systems. Sennheiser systems are used worldwide to achieve uncompromised quality. From Main Street to Broadway....let us engineer a system for you.

SENNHEISER SK-2012 WIRELESS POCKET SYSTEM

This extremely small, unobtrusive wireless mic system features wide frequency response (40-20kHz), excellent noise and distortion properties, and a package ideal for film, television, and sound reinforcement applications where the transmitter must be as light and unobtrusive as possible. The transmitter utilizes DC to DC conversion, raising battery supply voltage from 4.5V to 7.5V. This feature keeps operating voltage constant during use, and adds to useful battery life. It will run 3-5 hours on 3-AAA batteries. Typical VHF systemn (174-216mHz) including pocket transmitter, lavalier mic, and semi portable receiver has a list price of $2,335.00. The VHF systems (450-456mHz or 947-952mHz) which incorporate a portable transmitter, portable receiver, and lavalier mic lists for $3,425.00. Call for current pricing and configuration assistance.

World Radio History

TELEX FMR-2 WIRELESS SYSTEMS

Telex units are single channel, crystal controlled and operate in the VHF band between 150-216mHz. Companding circuitry results in wide dynamic range. There are 48 standard frequencies available, and Bradley and Telex offer a computerized service which selects, at no cost, an "interference free" frequency for your area. The system is comprised of the FMR-2 receiver and your choice of transmitter. Two 5/8 wave antennas are supplied. The FMR-2 has adjustable mic and headphone outputs and fixed line level output. Peak reading, three color LED VU meter eases monitoring and the receiver is operable at 120VAC or 12VDC. Select from out complete systems, or call so we can develop a package for your needs. Components and a wide array of accessories are available separately.

COMPLETE TELEX FMR-2 WIRELESS SYSTEMS

TELEX SYSTEM I

Includes WT-200 belt-pak transmitter, FMR-2 diversity receive, and either one WLM-100 (silver) or one WLM-200 (black) electret lavalier mic.

#60TXWMS1 ..... **$1,445.00**

TELEX SYSTEM 2C

Includes WHM-500 condensor microphone/transmitter and the FMR-2 diversity receiver.

#60TXWMS2C **$1,335.00**

TELEX SYSTEM 2D

Includes WHM-410 dynamic microphone/transmitter and the FMR-2 diversity receiver.

#60TXWMS2D **$1,285.00**

TELEX SYSTEM 3

Includes WT-200 transmitter, FMR-2 diversity receiver, and either one XLR LEMO mic adapter cable or one musical instrument adapter cable.

#60TXWMS3 ..... **$1,365.00**

NFL REFEREE SWITCH BOX

Rugged external audio on/off switch for WT-200. Use with system 1.

#60TXNFL **$220.00**

SHURE WIRELESS MICROPHONE SYSTEMS

For over 60 years, the name Shure has meant top quality, performance, and value. Now, Shure puts this reputation behind wireless components which have been perfectly integrated both acoustically and electrically for flawless performance. All Shure wireless systems utilize precision 2:1 companding in conjunction with 50uSec pre-emphasis for a dynamic range in excess of 92dB. Shure has gone to exceptional lengths to eliminate interference from both other services and other wireless mics. In fact, it is possible to use up to 12 Shure Wireless systems in close proximity, without interference or crosstalk. Computer designed 9 pole linear phase I.F. filters are individually aligned at the factory for maximum selectivity with minimum distortion. The W25R "Diversiphase" receiver continuously monitors RF input from both of its antennas, locking them in phase to eliminate multipath problems. Where a clear path exists between transmitter and receiver, the W20R receiver is an outstanding value. Both receivers operate from a 12VDC source, and include an external 117VAC converter. The W10BT bodypack transmitter can accommodate a variety of input sources with its recessed input attenuator and gain-trim control. Radiating a nominal 30mW from a 12" flexible omni antenna, it provides reliable performance up to ¼ mile, and will operate for eight hours on a standard 9V alkaline cell. Separate switches for RF and audio eliminate annoying and potentially damaging squelch tails. Shure wireless systems typically provide a frequency response of 50-15,000Hz ± 1dB, with less than 0.5% THD. Call the broadcast professionals at Bradley to discuss your wireless system applications.

DIVERSIPHASE WIRELESS SYSTEM - Includes W25DR receiver, W10BT transmitter, WL83 condensor lavalier microphone, two antennas.

#60SHWI025S **$1,325.00**

NON-DIVERSITY WIRELESS SYSTEM - Includes W20R receiver, W10BT transmitter, WL83 condensor lavalier microphone.

#60SHWI020S **$935.00**

Quantity and package discounts are available. Call for details.

TELEX FMR-50 WIRELESS SYSTEMS

Professional performance and value are what Telex offers in the FMR-50 Series wireless microphone system. The FMR-50 provides a clearer, better sounding signal for longer distances from the receiver. While many brands experience signal degradation within 100 feet from the receiver, the FMR-50 signal remains crisp and powerful for distances of 500 feet or more. Three systems are available, each with the FMR-50 receiver. The condensor system includes the WHM-500 mic/transmitter, the dynamic system includes the WHM-410 mic/transmitter, and lapel system includes the WLM-50 lapel mic and WT-50 belt-pac transmitter.

CONDENSER SYSTEM

#60TXFMR50C **$845.00**

DYNAMIC SYSTEM

#60TXFMR50D **$795.00**

LAPEL SYSTEM

#60TXFMR50L **$795.00**

World Radio History

ORBAN 8100A/1

How does one describe a classic without stating the obvious? The Orban 8100A/1 has established a well deserved reputation as the most effective FM processing system ever devised, bar none. Sophisticated, easy-to-use, and cost effective, this second generation overshoot controlling processor can be quickly set up with a minimum of "tweaking", for formats ranging from purist-classical to extremely aggressive contemporary hit radio. With simple adjustment of gate threshold, interband coupling, release time, HF limiting, and clipping, the 8100A is flexible enough for the job, while remaining quite user friendly. Thorough and readable documentation, together with built-in test facilities and modular design make the Orban Optimod-FM 8100A 1 truly a pleasure to work with.

#60OB8100A **$4,995.00**

ACCESSORY:

STUDIO CHASSIS - Enables separation of "front-end" compressor from stereo generator and limiter enabling USC with discrete channel STL.

#60OB8100AST **$895.00**

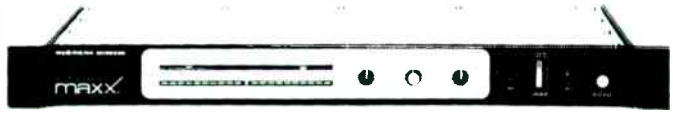
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ORBAN 8100A/XT2 SIX BAND LIMITER

The "XT2" is an accessory chassis for the Optimod-FM for stations that desire a louder or more processed sound than that provided by an 8100A by itself. The XT2 interfaces in the middle of the Optimod-FM, replacing the 8100A high-frequency limiter. When the XT2 is in use, the two-band compressor is converted to a slow averaging AGC in front of the six band limiter, insuring proper input level at all times. The six-band limiter acts as an intelligent "automatic equalizer" giving your audio consistent sound from source to source, without producing fatiguing processing artifacts. The design incorporates two bass EQ controls, plus presence and brilliance controls to alter tonal characteristics and achieve exactly the sound you want. This all Orban, all Optimod system assures that all parts will work together harmoniously to produce precisely the air sound your format, audience, and market demand.

#60OB8100AXT **$2,075.00**

Price above is manfuacturer's list. Please call Bradley Broadcast for a current quotation.



MODULATION SCIENCES STEREOMAXX

Modulation Sciences answers the question, "What's next in broadcast processing?" Unlike other processors, which predominantly alter the amplitude/frequency distribution of the program material, the Stereomaxx enhances the overall spatial effect of stereo. The stereo image becomes bigger and deeper, and spatial detail is made obvious. The effect on "box" type portables is dramatic, and high quality monitoring systems are enhanced without overwhelming the listener.

The Stereomaxx uses a conceptually simple technique, actualized to eliminate any potential problems. The incoming audio signal is subtracted to form an L – R difference signal, which is then delayed and split into two signals out of phase with each other. One signal is mixed into each output channel. Since monaural inputs will create no difference signal, they will not be processed. The delay decorrelates the enhancement signal from the stereo program, "filling up" the brief periods of silence between the notes. Average energy of the L – R channel is increased, but not the peak value. Because the reinserted signals are out of phase, they are inaudible to mono listeners. Monaural compatibility is absolute.

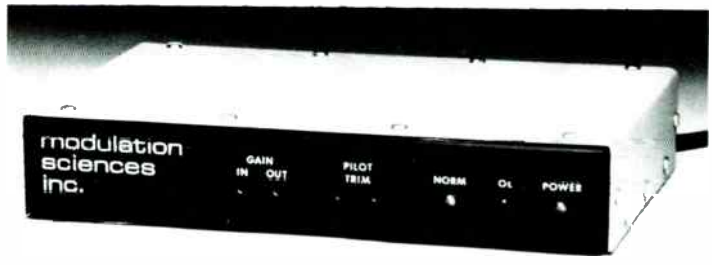
An automatic width control senses the "stereo" quality of source material to prevent over-processing. User controls include depth (the amount of delay applied), width (the amount of enhancement signals returned to the left and right channels), and diffusion (the percentage of enhancing signal that is undelayed.) Front panel LED indicators ease setup.

Because the Stereomaxx is operated in the time domain rather than the amplitude domain, it is fully compatible with your present processors. The Stereomaxx is so "smart" it can be placed in your air chain with the assurance that it will make the right decision; it brings out the differences in musical selections rather than homogenizing your sound.

Bradley offers the Stereomaxx to qualified stations on a trial-purchase basis. Don't wait until you hear your competitor punching out of your radio; order yours today.

#60MSSM **$3,195.00**

Price above is manufacturer's list. Please call Braldey Broadcast for a current quotation.



MODULATION SCIENCES CP-803

A truly unique product in the broadcast realm, the CP-803 delivers up to 6dB more loudness without increased distortion, swishing or pumping. Because the CP-803 processes your FM baseband, it can remove unwanted overshoots which cause overmodulation, even at relatively low average levels. Since the CP-803, unlike baseband clippers, does not clip the 19kHz pilot, its use is entirely legal when installation and operation conforms to MSI instructions. Get the best of both worlds—greater dynamic range and increased loudness–with Eric Small's CP-803 Processor.

#60MSCP803 ..... **$985.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

CRL AUDIO PROCESSING SYSTEMS

CRL Audio Processing Systems use a "building block" approach to achieve the ultimate audio quality. This concept enables selection of the system that best meets your needs and budget now, yet permits components to be added later to further improve your station's competitive advantage. The processing specialists at CRL have designed their systems with quality features to please both programmers and engineers.

FM SYSTEMS:

Components of the FM systems are the SPP-800 preparation processor (gated, split band AGC with high speed transient limiter to keep levels and tonal balance consistent), the SEP-800 spectral energy processor (four band gated commpressor for maximum loudness), the SMP-800 FM stereo modulation processor (for absolute peak control and maximum fidelity), and the SG-800 stereo generator.

FM-2G SYSTEM - Consists of SPP-800, SMP-800 and SG-800.

#60CUFM2G **$4,950.00**

FM-4G SYSTEM - Consists of SPP-800, SEP-800, SMP-800 and SG-800.

#60CUFM4G **$7,200.00**

The above FM Systems are also available without the SG-800 stereo generator and as individual components. Please call Bradley Broadcast for details and pricing.

AM SYSTEMS:

CRL offers a complete line of AM mono and stereo processing systems. Deluxe AM-4 and economical AM-2 systems are available in both mono and stereo versions. Note that mono units cannot be upgraded to stereo.

AM-4 STEREO SYSTEM - Consists of SPP-800, SEP-800 and the SMP-900 AM Stereo Matrix Processor

#60CUAM4S **$5,950.00**

AM-4 MONO SYSTEM - Consists of APP-400 audio preparation processor, SEP-400A spectral energy processor, and PMC-300A peak modulation controller.

#60CUAM4 ..... **$3,450.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

CRL SG800 STEREO GENERATOR

An excellent value in a stand alone stereo generator. CRL's exclusive ultra-linear 38kHz balanced modulator insures maximum performance. 10Hz-15kHz ±0.2dB; THD 0.3%, SMPTE IMD 0.04%,S/N better than 80dB, crosstalk (any mode) −60dB or better. Designed for use with the CRL SMP-800 limiter.

#60CUSG800 ..... **$1,450.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

Bradley specializes in high quality economical RF equipment. Our professional staff can help you configure the best package to meet your requirements and budget. Many products are available on a trial-purchase program. Call for details.

TEXAR AUDIO PRISM

For those who insist on high quality audio. TEXAR's design approach is a little different than everybody else's, accounting for the Audio Prism's tremendous surge in popularity. The emphasis is on "clean" and the method is digital control. The system uses a four-band parallel layout, with gain change accomplished by smooth, predictable opto-attenuators. A broadband "safety buffer" automatically keeps the multiband section in normal operating range, even with unusually high input levels. An onboard pink-noise generator and front-panel V.O.M. test points make setup quick and repeatable. Each band is individually gated, with a common threshold adjust. A single "density" control effectively reprograms attack and release times and compression ratios simultaneously. Unlike many other processors, the proof switch leaves all circuitry online, simply removing control bias. For stereo, a pair of Audio Prisms is used to feed a high quality limiter/stereo generator combination. For single-channel AM, the AM Audio Prism includes a built-in AM limiter renowned for its clean yet aggressive qualities. Features adjustable drive, asymmetry, low frequency phase (tilt) correction. The AM Audio Prism, in direct A/B comparison tests, frequently out-performs other systems which are much more costly.

AUDIO PRISM - Two required for stereo.

#60TRPRISM **$1,995.00**

AUDIO PRISM WITH EAGLE LIMITER - For single channel AM.

#60TRPRACC1 ..... **$2,490.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ORBAN 9100A/2

The Orban AM-Optimod 9100A/2 was designed from the ground up for high-fidelity AM Stereo, where quality is every bit as important as loudness. After studying existing AM radios, Orban has developed a highly specialized equalizer system to compensate for receiver high frequency rolloff. Special attention was given to eliminating the fatiguing "honky" midrange sound common to other AM processors. Three different characteristic slopes are available on plug-in modules, to optimize the 9100A for low-fi receivers, high-fi receivers or to "split-the-difference". The system also provides "transmitter EQ" adjustments to precisely tune out transmitter deficiencies such as tilt or ringing. The modular card-frame design protects your investment by permitting low-cost updates as technology moves forward. It may be purchased as a cost-effective Mono system, and upgraded to Stereo at a later date. Different stereo processor cards are used to tailor the 9100A system performance to match either Kahn or Motorola C-Quam type exciters.

OPTIMOD-AM 9100A/2 FOR MOTOROLA C-QUAM STEREO

#60OB9100A2C **$5,795.00**

OPTIMOD-AM 9100A/2 FOR KAHN ISB STEREO

#60OB9100A2 ..... **$5,395.00**

ALSO AVAILABLE:

OPTIMOD-AM 9100A/1 FOR MONO AM

#60OB9100A1 ..... **$3,995.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

DELTA C-QUAM AM STEREO EXCITER AND MONITOR

The ASE-1 AM Stereo Exciter supplies matrixed stereo to the transmitter in the form of a L + R audio input, and L − R phase modulated RF signal. Mono receivers will sense only the AM component of the broadcast C-QUAM signal and reproduce pure, undistorted mono (L + R) audio. Stereo receivers demodulate the C-QUAM signal which is then matrixed to produce left and right channel outputs.

Large, illuminated meters on the ASE-1 display either left and right, or L + R and L − R levels. A mode switch selects mono or stereo operation and the pilot switch allows removal of the 25Hz pilot tone for testing. Two separate, remotely switchable audio phase equalizers can be adjusted to match two different transmitters or two different antennas. Internal limiters prevent excessive modulation and a blend processor makes high single-channel modulation possible.

The AMS-1 AM Stereo Modulation Monitor contains a high performance C-QUAM decoder which demodulates an RF sample for your transmitter or antenna system for routine air monitoring or equipment performance measurements. A push button selector provides display of L + R, L − R, L and R modulation levels, with peak flasher for −100%, +125%, L − R limit (1.46 radians), and 30% − 150% thumbwheel adjustable peak detector. BNC output connectors are provided for remote flashers and meters (L + R, L − R) and audio outputs are provided for L, R, L + R, L − R, and Pilot. The AMS-1 is particularly useful for annual performance measurements and diagnostic tests due to the front panel attenuator push buttons which select zero reference points of 0dB to −50dB in 10dB increments.

Typical closed-loop system performance achieves 35dB minimum stereo separation, frequency response of 40Hz to 15kHz ± 1dB, and low harmonic distortion.

#60DLASE1 ..... **$12,500.00**

Price includes exciter, monitor and manufacturer supplied installation.

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

BROADCAST ELECTRONICS AX-10 AM STEREO SYSTEM

The AX-10/AS-10 AM Stereo Exciter/Monitor package is a true second generation system incorporating the most advanced technology available. In the AX-10 Exciter, independent non-interacting left and right channel digital IF modulators are used for best stereo performance. Independent phase and amplitude equalizers are used to optimize separation for any two transmitters or antenna systems. Full front panel LED bar graph metering is provided, and all common switching functions (mono/stereo, day/night, etc) are remote controllable. The AX-10 can be phase locked to an external 10mHz reference signal, and has full provisions for accepting an external subsonic pilot/SCA signal. An onboard adjustable matrix blend processor assures full mono compatibility even under unusual program conditions, and an adjustable clipper system eliminates the need for "insert processing". The AS-10 stereo modulation monitor features vast improvements over earlier versions still in use by other manufacturers. In particular, some other monitors on the market can exhibit up to 10% overshoot, potentially robbing you of up to 10% of your total modulation capability. Advanced detector filtering circuits hold overshoot to a mere 0.5%, so that what you see is what you get. As much a precision test instrument as it is a precision monitor, the dual AS-10 metering systems provide a 70dB display range with defeatable autoranging capability. The high-resolution carrier-shift display shows up to ±5% shift with a reaction time of only 300 milliseconds. Front panel test and adjustable headphone outputs allow you to test your system without a trip to the back of the rack. Meet the challenge of an improving AM band. Install an AX-10/AS-10 C-Quam AM Stereo system from Broadcast Electronics and transmit exciting stereo programming that's every bit as good as (or better than!) your FM competition. Frequency response is within 1dB from 50Hz to 15kHz, distortion is less than 0.5%, stereo separation is typically 35dB, with a signal-to-noise ratio of better than 50dB. Complete C-Quam AM stereo package includes AX-10 exciter, AS-10 stereo monitor and factory-installation service.

#60BRAX10 ..... **$12,000.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

CRL SCA-300 SCA MODULATION GENERATOR

The SCA-300 was specifically designed to bring new fidelity to received SCA signals. Using the CRL unit, a station can expect increased coverage without increasing injection levels, improved protection of the main channel signal, and improved fidelity and intelligibility. Low distortion; crystal controlled oscillator; non-overshooting low pass filters; 75, 100 or 200 microsecond pre-emphsis; and a DC coupled data input port are among the quality features included.

#60CUSCA300 ..... **$1,500.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

MODULATION SCIENCES SIDEKICK

The Sidekick combines the four elements needed for successful SCA operation into one package: subcarrier generator, modulation monitor, audio processor, and transmitter tuning aid. The SCA carrier is derived from a frequency synthesizer, permitting changes through user-selectable straps. Crystal control results in outstanding frequency stability over a wide temperature range. The modulation meter meets FCC requirements and eliminates the need for a separate SCA monitor. The Sidekick is designed for 150 microsecond pre-emphasis (75 and zero are strappable). Integral audio filter is overshoot corrected and gives excellent peak control. Built-in test generator and incidental AM noise meter assists RF tuning, which can result in reduction of crosstalk. Each subsystem of the Sidekick has been specially engineered for its task, and together they form a high performance integrated system.

#60MSSCA **$2,875.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

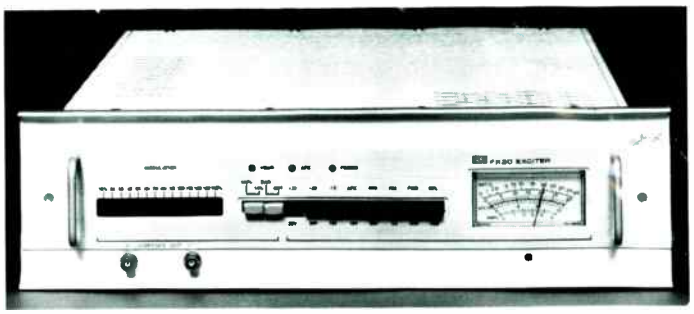
World Radio History

TEPCO FM TRANSLATORS

Tepco FM rebroadcasting systems provide the reliable performance required of a unit that is generally remotely located. Incorporating recent RF technologies, these one and ten watt translators provide quality audio and efficient operation. Local modulation modules and automatic ID coders are also available. Tepco manufactures multiple output amplifiers and other accessories to enable you to take full advantage of your translator license. Tepco has an excellent reputation for prompt delivery and complete technical support. Let Bradley put your translator system together with the antennas, cable and planning assistance you need to get the best coverage and value.

J316 1 WATT TRANSLATOR
#60TPJ316 ..... $2,487.00
J316 1 WATT TRANSLATOR WITH LOCAL MODULATION MODULE
#60TPJ316M $3,025.00
J317 10 WATT TRANSLATOR
#60TPJ317 ..... $2,622.00
J317M 10 WATT TRANSLATOR WITH LOCAL MODULATION MODULE
#60TPJ317M $3,159.00
J317-2 DUAL OUTPUT 10 WATT TRANSLATOR
#60TPJ3172 ..... $3,975.00

Prices above are manufacturer's list. Please call Bradley for a current quotation.

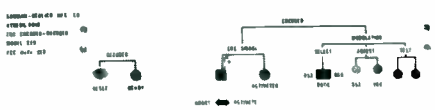


BROADCAST ELECTRONICS FX-30 EXCITER

The FX-30 is the performance leader in FM broadcasting. The ultra-linear, modulated oscillator design results in superior stereo and SCA performance. Your programming will be loud and sparkling clear because of extremely low distortion and typical S/N ratio of 80dB. The FX-30 uses an advanced dual-speed, phased lock loop to lock the frequency of the modulated oscillator to a precision reference oscillator. The digitally programmed frequency synthesizer permits field frequency changes in 10kHz increments, and the broadband RF amplifier requires no tuning adjustments for a conservative 30 watt output. Extensive metering and modular slide out construction enhance the operation and maintenance of this elegantly styled unit. Built-in harmonic filter permits use as stand alone or auxiliary transmitter.

#60BRFX30 ..... $5,695.00

Price above is manufacturer's list. Please call Bradley for a current quotation.



GORMAN-REDLICH EBS ENCODER/DECODER

The Model CEB offers everything needed, except monitor receiver, for EBS two tone transmission and decoding. Any stable receiver may be interfaced with the CEB to provide monitor capability. The CEB may be operated remotely, and mono programming loop-through is standard on the encoder. The decoder automatically demutes the monitor receiver and provides auxiliary alarm contacts. Encoder and decoder are available as separate units, encoder stereo logging option available.

#60GRCEB $475.00

OPTIONS:
EBS ENCODER ONLY
#60GRCE $330.00
EBS DECODER ONLY
#60GRCD $280.00
TUNABLE AM/FM EBS RECEIVER
#60GRREC $100.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TFT 760 EBS SYSTEM

The industry standard EBS system is available in three configurations: AM Receiver/Encoder/Decoder and single or dual FM Receiver/Encoder/Decoder.

AM
#60TT7601A $1,420.00
SINGLE FM
#60TT7601B $1,420.00
DUAL FM
#60TT7601C $1,675.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

World Radio History

QEI FM TRANSMITTERS

QEI offers a full range of FM transmitters using advanced technologies to provide years of trouble free service with unmatched sound quality. Common to all models are full VSWR protection, ease of access for routine maintenance, built-in low-pass filter and directional coupler, and a design that eliminates sliding contacts and conventional plate blockers. QEI transmitters may be equipped with the unique ARC-27 Automatic Remote Control System. This integrated microprocessor based system provides comprehensive transmitter diagnostics and control. The studio control unit permits the system to be under complete operator control or to automatically react to out of tolerance situations. The ARC-27 will operate over telco lines or via STL. Each QEI transmitter includes a phone modem for you to perform diagnostics from any location. You may, at anytime, call QEI and connect the factory to your transmitter for review at no charge. Should you not select the ARC-27, these tansmitters will operate with any conventional remote control.

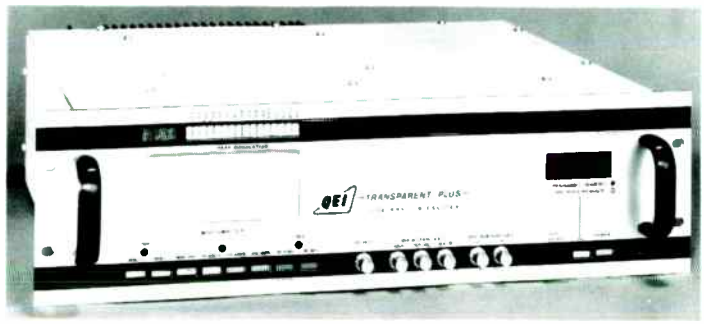
Transmitters are available in six versions. The 1 kilowatt model is completely solid state for optimum reliability 3.5kW, 5kW, and 10kW models are single tube design. The 20kW version is driven by the 1000 watt transmitter, and the 30kW by the 3500 watt transmitter providing efficient operation. All transmitters may be supplied with the 695 "Transparent Plus" exciter or the economical 675 exciter. All tubes carry a 15,000 hour or 2 year limited warranty.

You no longer need to choose between high technology and low price....with QEI and Bradley you can have both!

695T1KW/03
#695TIKW03 ..... $19,490.00
695T3.5KW/03
#695T35KW03 ..... $23,490.00
695T5KW/03
#695T5KW03 ..... $25,490.00
695T10KW/03
#695T10KW03 ..... $35,490.00
695T20KW/03
#695T20KW03 ..... $47,490.00
695T30KW/03
#695T30KW03 ..... $51,490.00

Prices above are for basic transmitters with 695 exciter. Deduct $2,500.00 to substitute 675 exciter. Add $2,500.00 to add ARC-27 with telco connection or $2,700.00 for ARC-27 with STL connection. RF amplifiers are also separately available.

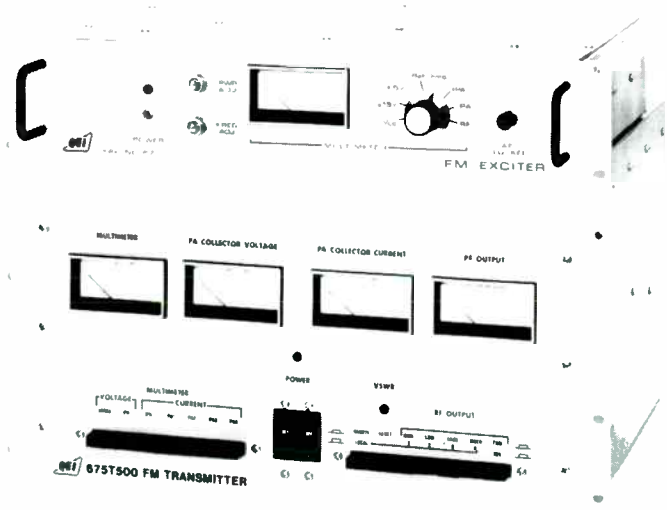
Prices above are manufacturer's list. Please contact Bradley Broadcast for a current quotation.



QEI 695 EXCITER

The 695 is QEI's advanced technology FM exciter with more features and better performance than previously available. Accepting composite plus three SCA inputs, the 695 maintains an almost distortion free profile in real world conditions over a wide temperature range. The Frequency Modulated Oscillator design achieves a distortion level of less than .025%. The phase-locked loop synthesizer permits frequency selection in 100kHz steps without field retuning. The special "Automod" circuitry aids in maintaining optimum modulation level by actually demodulating, sampling, and measuring the RF signal to adjust the deviation. Complete test and monitoring facilities include a fault annunciator panel, built-in modulation monitor, and spectrum analyzer output. Continuously adjustable from 5 to 20 watts.

#60QE695 ..... $5,295.00



QEI LOW POWER TRANSMITTER

QEI uses the latest solid-state circuit techniques in this line of reliable transmitters. The 675T150 (100-150 watts), 675T300 (150-300 watts) and 675T500 (100 to 500 watts) provide simple, straightforward operation and excellent fidelity. Each uses the 675 Frequency Synthesized FM Exciter. Frequency is field selectable in 100kHz increments, and the exciter includes mono, composite and two SCA inputs. Other features of these transmitters include VSWR protection circuitry and remote control interface. An excellent choice for a low power station, as well as an economical auxiliary transmitter.

675T500 TRANSMITTER (pictured)
#60QE675T500 ..... $9,690.00
675T300 TRANSMITTER
#60QE675T300 ..... $7,935.00
675T150 TRANSMITTER
#60QE675T150 ..... $6,635.00
675 FM EXCITER
#60QE675 ..... $2,795.00

Prices above are manufacturer's list. Please call Bradley for a current quotation.

World Radio History

SCALA ANTENNAS

Scala offers a full line of precision antennas for aural STL and intercity relay systems; remote pick-up, TSL, and telemetry systems; and FM translators and precision off-air monitoring.

Scala makes the antennas you need for your 450mHz and 160mHz broadcast auxiliaries. The reliability fo these antennas has been proven in the most demanding environments. Ruggedized five and ten element single channel yagis are stackable and are an excellent option for FM translators. Choose a Scala log-periodic for off-air monitoring. For further information on Scala antennas and accessories, call Bradley Broadcast. Remember that special pricing is available when purchasing your antennas as part of a complete equipment package.

SCALA PR-450U PARAFLECTOR

The PR-450U Paraflector is a high-gain, half parabolic screen antenna used extensively in STL systems. Performance approximates that of a parabolic dish of the same aperture, but the rugged PR-450U is low in windload and weight. It may be horizontally or vertically polarized, and a special version is available which uses additional screen elements to provide increased front-to-back ratio. If frequency congestion is not a problem, the MF-960 Miniflector provides an economical alternative.

PR-450U PARAFLECTOR
#60SLPR450U $500.00
MF-960 MINIFLECTOR
#60SLMF960 ..... $300.00

Prices above are manufacturer's list. Please call Bradley for a current quotation.

ELECTRO IMPULSE RF LOADS

Electro Impulse manufactures numerous RF loads for the broadcaster. Coaxial loads are available to handle from 500 to 80,000 watts at all standard frequencies. The DPTC-25KFM is a dry forced air cooled load able to handle 25kW of continuous power. Interlocked sensors for line power, air flow, and overtemperature allow automatic transmitter shutdown in case of system failure. This unit and the DPTC-10KFM, which handles 10,000 watts continuous power, are the choice of many FM broadcasters.

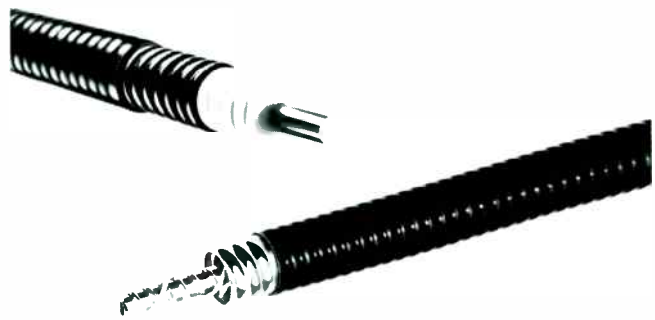
MARK ANTENNAS

Mark manufactures a full line of microwave and earth station antennas. Bradley Broadcast can help you select the most appropriate grid or solid parabolic for your needs at a price that fits your budget. Described below are the most popular models for studio transmitter links.

Grid parabolic antennas offer significantly reduced windloading characteristics when compared with solid antennas. The grid is made of heavy walled aluminum pipe. Heli-Arch welded for superior strength and rigidity. The radiator's active element is protected by a durable feed housing which assures trouble free operation. Available in diameters from 4' to 15'. Deicing is an option on all sizes.

FOUR FOOT GRID - VERTICAL MOUNT
#60AX9A48GN1 ..... $734.00
FOUR FOOT GRID - RING MOUNT
#60AX9A48GN2 ..... $900.00
SIX FOOT GRID - VERTICAL MOUNT
#60AX9A72GN1 ..... $1,082.00
SIX FOOT GRID - RING MOUNT
#60AX9A72GN2 ..... $1,200.00

Prices above are manufacturer's list. Please call Bradley for a current quotation.



CABLEWAVE

We carry the complete line of Cablewave products. Call us to discuss your specific needs in any of the following areas:

- Foam and air dielectric transmission line
- Rigid transmission line and adapters
- Transmission line connectors
- Pressurization equipment/dehydrators
- Microwave antennas and waveguide

World Radio History

CELWAVE ANTENNAS AND RF ACCESSORIES

Celwave manufactures several lines of circularly and horizontally polarized antennas for commercial and educational FM broadcasters. The CFM Series of circular antennas is available in 1 to 16 element configurations, in both high and low power versions. Radomes and deicers are available.

Also available from Celwave are directional couplers and low pass filters for FM transmission systems. Celwave also manufacturers a wide variety of base and mobile antennas for RPU and two-way radio applications.

SHIVELY FM ANTENAS

Bradley Broadcast represents the full line of Shively Labs FM antennas. Our staff can work closely with you and Shively to select and build a superior antenna. Outstanding engineering design and proven performance have earned Shively a reputation for excellence.

Well known for their performance in the most extreme weather conditions, Shively antennas have deicers and three models of radomes available. Most models include an adjustable fine matching transformer which permits field trimming impedance, without loss of pressurization, while the transmitter is running. Pattern optimization is available for all models.

An excellent example of Shively's quality is the Model 6810 pictured. Particularly suited for directionalization, the 6810 can be diplexed over a 2.4mHz bandwidth with a VSWR of 1.1:1 or better over each channel. There are no "surprises" when a Shively directional antenna is installed, as the pattern has been precisely documented on the test range. Multi-station and panel antenna systems are also available.

Let Bradley Broadcast put your antenna system together with Shively and our other fine RF products. We can help you achieve the best possible signal at significant cost savings!

ALSO AVAILABLE FROM SHIVELY LABS:

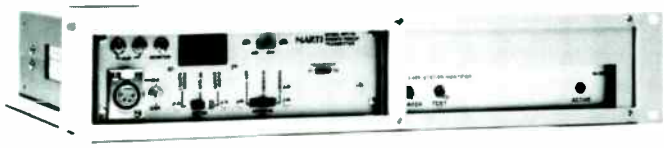
- Coaxial transmission line and accessories
- Patching systems
- Harmonic filters, directional couplers, and isocouplers
- Multiplexers and power combiners
- Pressurization equipment

COMARK COAXIAL SWITCHES

Low VSWR and low insertion loss combine with maximum isolation to make Comark Coaxial switches ideal for routing RF, especially in remote control applications. Replaceable watchband spring contact assembly for all electrical connections enables the best possible contact. A control panel, appropriate to the number of switches in your system, can be operated by remote or local control. The panel contains several safeguards to prevent accidental switching and fits a standard 19" rack. Call Bradley Broadcast for assistance in developing an appropriate system for your needs.

ALSO AVAILABLE FROM COMARK IS A COMPLETE LINE OF COAXIAL AND WAVEGUIDE PRODUCTS AND FM ANTENNAS.

World Radio History



MARTI TELEMETRY RETURN LINKS

Marti offers three systems providing reliable analog or digital remote control telemetry on the 450mHz band. The TSL-2 has a continuous duty output of 2.5 watts, the TSL-15 offers 15 watts, and the TSL-25 operates at up to 25 watts. Complete system prices include automatic station identifier. Antenna package includes two yagis, connectors and jumper cable for ½" cable.

TSL-2 TELEMETRTY LINK
#60MTTSL2 ..... $2,135.00
TSL-15 TELEMETRY LINK
#60MTTSL15 ..... $2,264.50
TSL-25 TELEMETRY LINK
#60MTTSL25 ..... $3,095.00
TSL ANTENNA PACKAGE #64A
#60MT64A $428.00

Prices above are manufacturer's list. Please call Bradley for a current quotation.

MARTI REMOTE PICKUP SYSTEMS

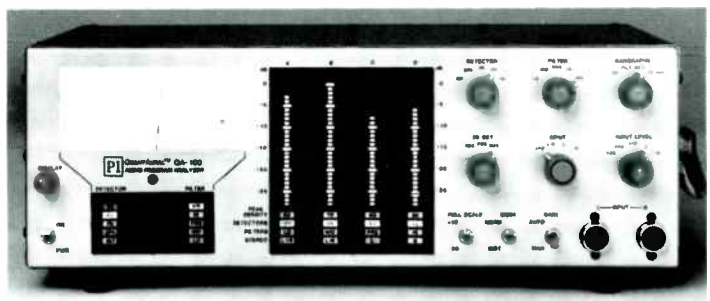
The Marti name has become virtually synonymous with remote pickup. Marti transmitters are type accepted in both VHF and UHF bands, and are available in three power levels. VHF models are 40, 15 or 2.5 watts, UHF models are 25, 15 or 2.5 watts. Both large transmitters have three microphone inputs (one push-to-talk) and a fourth 600 ohm balanced line input. The 2.5 watt unit features an internal rechargable ni-cad battery for portable operation. To extend the range and utility of the RPU system, mobile or fixed repeater stations may be installed in vans or fixed locations. We have extensive experience in configuring such custom system installations. Call us for the right answers to your remote pickup requirement. Pricing is dependent upon system needs: a one-way single hop system begins at under $3,500.00, relay systems under $4,100.00 The versatility and uses of these systems are limited only by your imagination.

POTOMAC INSTRUMENTS AT-51 TEST SET

Convenience, accuracy and completeness are only some of the reasons why the AT-51 is the standard in broadcast equipment performance measurements. This two-unit set measures harmonic distortion, I.M.D., signal/noise ratio, phase, wow and flutter and performs rapid frequency response measurements. The automatic nulling feature eliminiates the tedium of repetitive distortion measurements and the built-in attenuators of the AG-51 generator provide 0.1dB resolution over a 99.9dB range. Output impedances of 150 or 600 ohms are switch selectable, as are balanced or unbalanced modes for either termination. Units are available separately or as a set at a lower price.

#60PIAT51 ..... $3,575.00
AVAILABLE SEPARATELY:
AA-51 TEST SET
#60PIAA51 ..... $2,125.00
AG-51 TEST SET
#60PIAG51 ..... $1,875.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



POTOMAC INSTRUMENTS QA-100

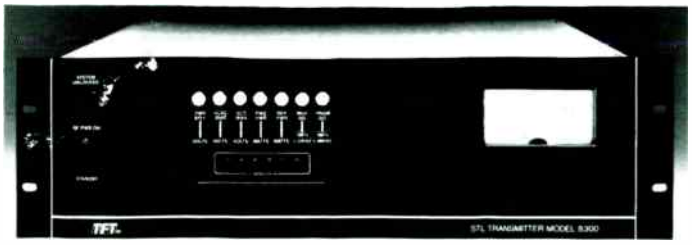
It's hard to believe that even with today's technology, many stations are still "flying by the seat of the pants" when it comes to setting up their audio chains. What exactly does the Program Director mean when he says "It's too fringy!"? Find out with the Potomac Quant Aural Anzlyzer. The QA-100 provides numerous facilities for evaluating broadcast and non-broadcast audio in terms of density, spectral balance, consistency, stereo image, and more. Measurements may be performed wideband, or in specific frequency bands, using five different detector circuits to give you the whole picture: VU, average, peak, quasi-peak, and a special "intensity" detector designed to follow perceived loudness levels. The QA-100 has balanced bridging stereo inputs and may be driven by any audio source, including modulation monitor or tuner.

#60PIQA100 ..... $3,500.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

Save the most by consolidating your equipment purchases into packages. Special pricing is available, and we can schedule delivery so that your installation goes without a hitch.

World Radio History



TFT 8300 STL SYSTEM

The TFT 8300 meets the demand for high performance and versatility. Specifically designed for superior performance in dense RF environments, this composite system boasts performance specs that make it a leader in its class. Frequency response ±0.1dB or better, 30Hz to 53kHz; 50dB or better stereo separation, signal-to-noise 75dB or better. Up to 14 watts power, full front panel diagnostic metering, and modular construction. Options for the 8300 include hot-standby with automatic changeover, IF repeater for multiple hops without signal degradation, and FM stereo decoder to permit the composite STL to provide discrete left and right for your AM stereo exciter. Two year warranty, prompt delivery and 24 hour support. Put your 8300 system together with Bradley

8300 COMPSITE SYSTEM

#60TT8300A **$8,950.00**

8300 DUAL COMPOSITE SYSTEM WITH 'HOT' STANDBY AND AUTOMATIC SWITCHING

#60TT8300B **$21,350.00**

OPTION:

IF REPEATER

#60TTIFREP **$1,290.00**

Prices above are manufacturer's list. Please call Bradley for a current quotation.

TFT 7700B STL SYSTEM

A high quality, third generation of this popular STL Series provides excellent audio quality and reliability, plus the ability to transmit two subcarriers in addition to a composite stereo signal. IF modulation improves S/N ratio and stereo performance, an optional stereo decoder is available to provide left and right channel audio outputs from the STL receiver, and a full line of accessories and options allow configuration of a full redundant, 'Hot Standby' system for maximum reliability. RF output is adjustable from 3 watts to a maximum of 12 watts, to generate sufficient signal for long or difficult transmission paths. Both transmitter and receiver provide full status and monitoring capabilities for setup, operation and troubleshooting ease. Please call Bradley Broadcast for assistance with your STL system configuration. We'll assist you in selecting a system which meets your station's needs at an economical price.

7700 COMPOSITE SYSTEM

#60TT7700A **$6,995.00**

7700 DUAL COMPOSITE SYSTEM with 'HOT' STANDBY AND AUTOMATIC SWITCHING

#60TT7700B **$15,110.00**

DISCRETE MONAURAL SYSTEMS ARE ALSO AVAILABLE

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TFT and Bradley now offer a comprehensive guide to STL systems. Call for your free copy.

TFT 8600 STL SYSTEM

Bradley Broadcast introduces the high quality TFT Model 8600 STL for single channel or dual monaural applications. The Model 8600 STL transmitter incorporates a true VCO frequency synthesized modulation scheme, rather than modulating a crystal oscillator. This reduces non-linear distortion and improves signal to noise ratio. A phase-locked-loop ensures frequency stability better than ±.0001%, 0°C to 50°C. The 6.5 watt output of the Model 8600 is generated by direct amplification, instead of using antiquated varactor diode techniques. This yields greater efficiency and introduces fewer harmful harmonics at the output.

The Model 8600 system also includes a built-in 39kHz SCA generator and demodulator for remote control or engineering orderwire applications. Included are a microphone input on the transmitter and a headphone jack on the receiver for voice communications.

The Model 8601 receiver has been designed for 100kHz channel spacing for mono stations; it's ideal for the real world conditions of congested STL bands. Comprehensive front panel metering is provided. The receiver occupies one half the width of a standard rack; a mounting bracket (to accommodate two receivers) and cover plate are supplied. When two systems are used for stereo, there is provision for phase matching between them to ensure proper stereo performance. The system frequency response is better than ±0.2%, 30-15kHz; THD and IMD are less than 0.2% at 1kHz, and S/N ratio is better than 70dB below 100% modulation, de-emphasized.

Bradley offers the quality TFT 8600 as part of complete STL packages. We'll put it all together with cable and antennas at low package prices.

8600 MONAURAL

#60TT8600C **$3,195.00**

8600 DUAL MONAURAL

#60TT8600E **$6,390.00**

ACCESSORIES:

In a dual mono system for stereo broadcast, it is common to combine transmitter outputs into one antenna. The TFT transmitter coupler provides 80dB of isolation, a significant improvement over other available models. When the combiner is purchased with an 8600 dual STL, the complete package is checked at the factory as a system. Also available is a receiver splitter to connect dual receivers to a single antenna.

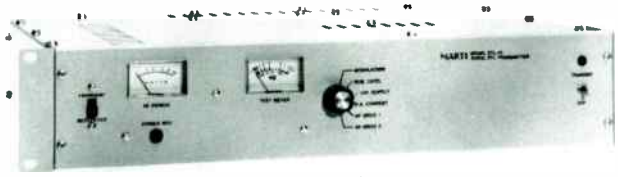
TRANSMITTER COMBINER

#60TT8600TC **$1,565.00**

RECEIVER SPLITTER

#60TT8600RS **$115.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



MARTI STL-10 STL SYSTEM

An economical aural STL for program lines to transmitter or inter-city relay. Two sub-channels are available on each system. Two complete systems are required for stereo employing a common antenna system and combiners. The STL-10 system features 20Hz-15kHz ±.25dB response, less than 0.3% THD, −70dB or better S/N ratio. Transmitters include calibrated wattmeter with forward reflected power switching. DC power operation capability, and six position metering of transmitter parameters. Call us to discuss your STL requirements, and for system pricing.

SINGLE CHANNEL STL

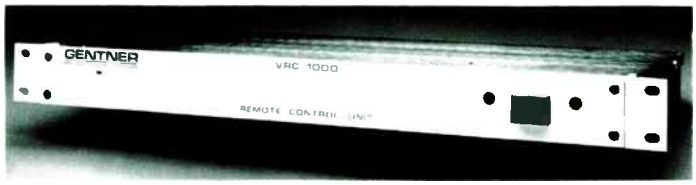
#60MTSTL10 ..... **$3,190.00**

DUAL CHANNEL STL (includes two transmitters, two receivers, and combiners required for use with single antenna system),

#60MTSTL10D **$6,775.00**

Prices above are manufacturer's list. Please call Bradley for a current quotation.

World Radio History



GENTNER VRC-1000 VOICE REMOTE CONTROL

This unique remote control provides an exceptional level of sophistication and flexibility. The operating features and economical price of the VRC-1000 make it appropriate as a main or back-up control for almost any application where automatic and remote supervisory capabilities are required.

The VRC-1000 operates on the dial-up telephone system to allow you the freedom of remote control from almost anywhere. You communicate with the VRC-1000 by listening to its synthesized voice and commanding it with a Touch-Tone (DTMF) key pad or automatic dialer. You now have the freedom of remote control from anywhere, with absolute security guaranteed by the multilevel, user defined access codes.

Operating features include 16 metering channels (each with 4-digit presentation and four user-defined tolerance limits), 16 status channels, and 32 command outputs (momentary or electrically latching). The VRC-1000 has the ability to determine an alarm condition and then automatically correct the condition if possible. It can also initiate a telephone call to any of five different telephone numbers and keep calling until it gets an answer from an authorized user. Along with the nature of the alarm, the VRC-1000 reports the time of its occurrence. Also, a built in condenser mic allows you to listen to your remote site via your telephone.

Full Automatic Transmission System (ATS) capability exists. All 32 command outputs can be set to be automatically activated by any of three sources. First, the tolerance levels of each metering channel can be set to cause an automatic output, such as power control. Second, changes in status channels can cause a command to be activated. Finally, twenty time-of-day functions are also available. Overall, 116 Automatic Command possibilities exist!

Options include serial digital data output, video terminal display, and printer logging. When the VRC-1000 is used as the primary remote control, an optional Fail-Safe Unit permits use of the program feed to establish absolute control of the transmitter(s). Accessories include battery pack which permits up to 8 hours of operation, subcarrier chassis enabling operation of the VRC-1000 with aural STL equipment, automatic dialers for use when a Touch-Tone telephone is not available, and a variety of installation/interface assemblies.

VRC-1000
#60GEVRC1000 ..... **$2,995.00**

FAIL SAFE UNIT
#60GEVRCFSU **$495.00**

INTERNAL MODEL - Provides ability to send serial digital (ASC II) data.
#60GEVRCIM **$995.00**

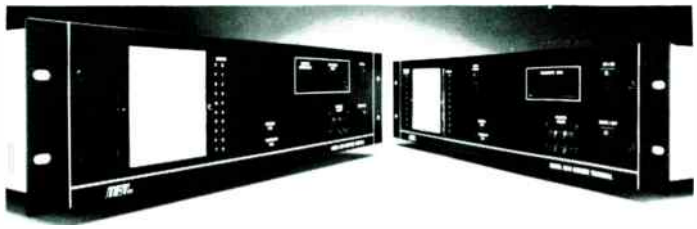
VIDEO DISPLAY TERMINAL - Status, metering and command functions displayed on a single page format. Keyboard can be used for set-up and commands. Requires Internal model (above).
#60GEVRCVDT **$1,095.00**

COMMAND RELAY ASSEMBLY - For applications requiring dry contact closures. Enables use of momentary closure, mechanically latching and time delay.
#60GEVRCCRA **$435.00**

BARRIER STRIP, PUNCHBLOCK AND FLEXIBLOCK - Eases installation by connecting to rear panel "D" connectors. 8 foot cable. Specify termination.
#60GEVRCBSP **$149.00**

UNTERMINATED CABLE - 8 foot cable with "D" connector on one end, unterminated on other.
#60GEVRCUTC **$75.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



TFT 8610 SERIES REMOTE CONTROL

This modular, field expandable remote control permits any size AM, FM or TV station to have direct digital control of remote transmitters and facilities. Control may be established via Telco, Wire, SCA or TSL. One person calibration enhances accuracy of remote readings, and a built-in relay interface allows easy installation, with no external panels required. Ten channels of raise, lower, telemetry, and status are provided in the basic unit, with expandability up to 70 raise/lower and up to 32 additional status channels.

Data accuracy is ensured by proprietary digital data filtering and closed loop automatic verification systems. FSK is employed for data transmission and digital data modems are included.

Individual channels are selected by thumbwheel; once selected, the channel number is fed back and displayed for verification. Telemetry is then displayed on a 3½ digit D.V.M., with readings updated 3 times per second. Control commands are initiated by momentary raise/on or lower/off switches. LED's verify that a command has been received at the transmitter. Separate fail-safe indicators display ready indications of both control and telemetry link integrity.

A full line of accessories for transmitter interfacing are available, as shown below. Call to discuss the requirements of your remote control link and interface needs.

8610 REMOTE CONTROL SYSTEM
#60TT8610 ..... **$3,800.00**

ACCESSORIES:
SCA GENERATOR - Mounts inside 8610
#60TT8610OPT02 ..... **$280.00**

SCA DETECTOR - Mounts inside 8610
#60TT8610OPT01 ..... **$280.00**

SCA GENERATOR/DETECTOR - Combined unit
#60TT8610OPT03 ..... **$610.00**

EXPANSION UNITS:
8631 CHANNEL EXPANDER - Expands raise/lower and Telemetry capability of 8610 by 20 additional channels.
#60TT8631 ..... **$1,690.00**

8632/8633 STATUS/ALARM EXPANDER - Provides an additional 32 channels of status/alarm to 8610.
#60TT8632 ..... **$2,830.00**

ALSO AVAILABLE:
7815 STATUS AND CONTROL SYSTEM - Stand alone system with 15 on/off control channels and 15 status indications only. Can be expanded with 8632/8633.
#60TT7815 ..... **$4,015.00**

Bradley Broadcast Sales....
Where Service and Engineering Make The Difference

World Radio History

POTOMAC INSTRUMENT RC-16+ AUTOMATIC REMOTE CONTROL SYSTEM

Employing microprocessor technology, the Potomac Instruments RC-16+ offers an exceptional level of sophistication and value. In addition to the manual telemetry, control, and status functions, the RC-16+ provides continuous monitoring of all telemetry data and automatic control of certain operating parameters. With 16 telemetry channels, 16 status channels, and 32 control functions, the capacity of the RC-16+ may be quadrupled with optional expansion units. Automatic functions include tolerance alarms, transmitter power control, and transmitter restart. Perpetual calendar with battery backup assures that automatic power level and/or antenna pattern switching are performed on time each day. Optional plug-in auto logger and CRT display enhance this system's flexibility. Easily installed and operated due to features such as direct antenna monitor interface and practical display layout.

RC-16+ REMOTE CONTROL SYSTEM
#60PIRC16 ..... **$4,995.00**
CHANNEL EXPANSION UNIT (Doubles capacity of basic unit)
#60PIXTVXSV **$1,975.00**
TELEPHONE INTERFACE OPTION
#60PITIO **$600.00**
VIDEO DISPLAY UNIT
#60PIVDU **$825.00**
AUTOMATIC LOGGING UNIT
#60PIALU **$1,995.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

TFT REMOTE CONTROL ACCESSORIES

ALTERNATE DATA PATH SELECTOR - Switches from main to alternate data path (eg, STL to phone line) when invalid data is detected from either the control or the remote terminal. Both local and remote units included.
#60TTADS01 ..... **$1,860.00**
TOWER LIGHT MONITOR - To monitor AC line current.
#60TTTLK01 ..... **$315.00**
LINE VOLTAGE MONITOR - To monitor AC line voltage.
#60TTLVK01 ..... **$245.00**
PLATE VOLTAGE MONITOR - To monitor plate voltage up to 20kV.
#60TTPVK01 ..... **$240.00**
TEMPERATURE SENSING KIT - To monitor temperature of air or components.
#60TTTSK01 ..... **$425.00**
SCA GENERATOR - Stand alone unit.
#60TTSCA1 ..... **$840.00**
SCA DETECTOR - Stand alone unit.
#60TTSCA2 ..... **$840.00**
SCA GENERATOR/DETECTOR - Combines both functions in one unit.
#60TTSCA3 ..... **$1,110.00**

Also available are high voltage isolation amps, power to linear converters, chopper amplifiers, and TV fail-safe units.

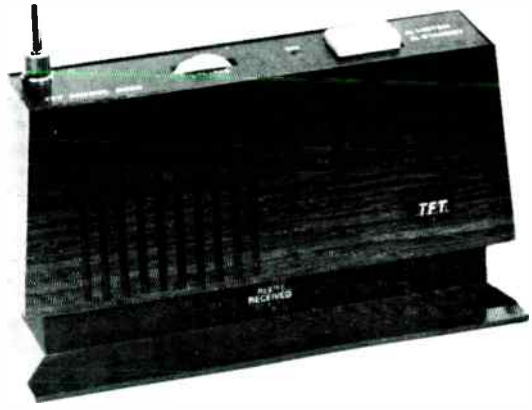
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

ADVANCED MICRODYNAMICS TC-8 REMOTE CONTROL

Advanced Microdynamics President Peter Burke came to Bradley Broadcast to find out what broadcasters want in a remote control, and the TC-8 is what resulted. A very large dot matrix diplay reads 4-digit telemetry, plus channel number (8 available). 8 status indicators are updated every 400 milliseconds regardless of which channel is selected. The precision dual-slope 12-bit A/D converter is typically accurate to within 0.25%. One-person calibration is accomplished via software, so there are no trimpots to wear out. The TC-8 modems can be set up for telco or SCA or a half-duplex mix. No external SCA equipment, or additional expense, is required. An alarm closure warns of any link failure, followed in 45 seconds (adjustable) by failsafe shutdown. An internal battery protects memory contents for up to ten years without power. The basic units use DB-37 connectors for status, telemetry, and open-collector control (28V, 250mA max.). We recommend using the optional accessory relay panel, which brings all connections out to screw-type barrier strips and isolates the control logic with plug-in 10 amp form-C relay contacts. The relay panel power is obtained from the TC-8 and regulated separately by the RP-8.

REMOTE CONTROL SYSTEM
#60AVTC8 ..... **$2,195.00**
RELAY/TERMINAL PANEL
#60AVIP8 ..... **$495.00**
RS232 P.C. INTERFACE
#60AVRS232 ..... **$495.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.



TFT E-ALERT

Many stations are taking advantage of new technologies that permit the station operating point to be off the station premises. Please remember that regardless of the operator's location, he or she must be able to shut down the station's transmitter should a national or local emergency exist. The TFT E-ALERT will help keep you legal and fulfill your obligations to your community. The E-ALERT is a single channel (AM or FM) receiver that is activated by the EBS tones. This compact and inexpensive unit can be desk or wall mounted, and includes battery backup and output to activate an external device. Order one of these EBS receivers for each off-premises point of operation. Specify frequency when ordering.

#60TTEALERT **$275.00**

Selecting a remote control involves determining which unit will best handle all present and anticipated functions, as well as interaction with other systems. Let us help you select the right system based upon our broadcast experience and the comments of our clients.

World Radio History

STUDER A726 FM TUNER

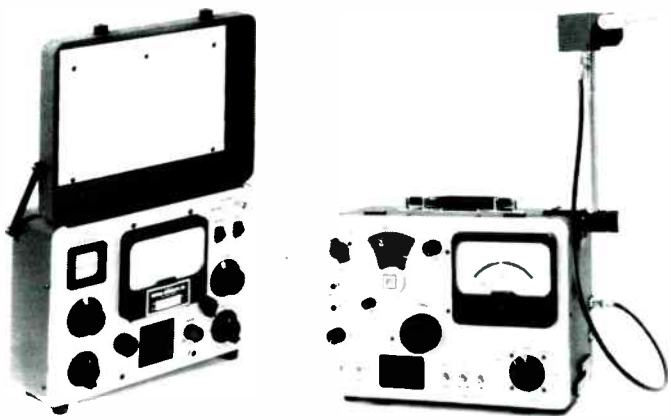
Studer builds the A726 to meet your exacting off air monitoring requirements. The low distortion (0.07% THD) and excellent selectivity combine with convenient and flexible programming to provide users with exceptional audio and rapid station selection/identification. An optional composite output is available for translator and other applications. Call for detailed specifications.

#60SRA726 ..... **$2,250.00**

OPTION:

COMPOSITE OUTPUT CIRCUIT AND CONNECTOR. Operates in addition to existing line level AF outputs.

#60SRA726CO ..... **Call for pricing**



POTOMAC INSTRUMENTS FIELD STRENGTH METERS

Potomac Instruments manufactures four meters for NBS-traceable accuracy in RF measurement of AM, FM and TV signals. Laboratory quality instrumentation is coontained in rugged enclosures which are designed to withstand the rigors of field use. Common design features of the FIM 21, 22, and 41 include lighted 4" meter, external RF input, front panel speaker and headphone output, and fully temperature-compensated circuitry.

FIM-41 - 540-5mHz in two bands.

#60PIFIM41 ..... **$2,600.00**

FIM-71 - 45-225mHz for FM & TV

#60PIFM71 ..... **$3,825.00**

FIM-21 - 535-1605kHz

#60PIFIM21 ..... **$1,950.00**

FIM-22 - 200-500kHz

#60PIFIM22 ..... **$2,600.00**

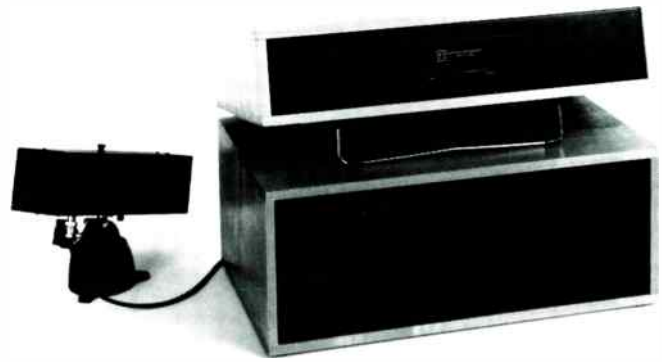
Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

HAFLER 330 FM TUNER

Here is a well designed, yet low cost FM tuner that's perfect for air monitor use, or for just keeping tabs on the guys across town. A non-volatile 5 station memory stores friends and enemies alike with 50kHz center frequency resolution. The front end consists of five tuned stages, including a triple MOSFET tuned RF amplifier, affording very good sensitivity (36.5dBf for 50dB stereo quieting) with high overload immunity. The IF stages employ four ceramic filters with a flat group delay response, resulting in maximum selectivity and superior phase-linearity. Both 300 ohm balanced and 75 ohm unbalanced Type-F inputs are provided. Output connections are unbalanced hi-Z IHF standard. This might even look good in your home stereo system.Rack mount hardware included.

#60HFDH330A **$460.00**

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



POTOMAC INSTRUMENTS SMR-11 AM MONITOR/RECEIVER

A superior AM receiver for critical AM monitoring, off-air performance measurement, or ATS operation. Features include carrier and modulation loss alarms (ATS required), front panel signal strength/modulation meter (reads up to 150% modulation accurately), thumbwheel selection of frequency, selectable bandwidth and 10kHz notch filter. Provision is made for demodulation of Motorola® AM stereo, with optional module. Options include rechargable battery pack, remote tuneable ferrite rod antenna with internal preamp, and weatherproof antenna housing.

AM DESKTOP RECEIVER

#60PISMR11D **$1,675.00**

AM RACKMOUNT RECEIVER

#60PTSMR11R **$1,575.00**

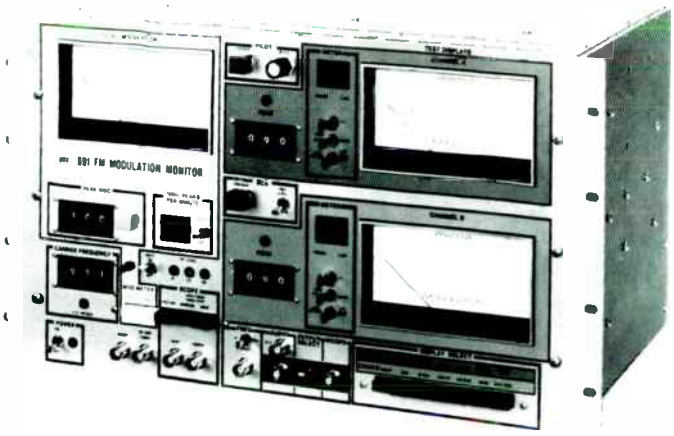
C-QUAM AM STEREO DEMODULATOR

#60PIAMS11 ..... **$500.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

Potomac Instrument's Antenna monitors are available for systems as large as 12 towers. Call for information on how Bradley can provide a reliable monitor for your AM array.

World Radio History



QEI 691 FM MODULATION MONITOR AND TEST SET

The 691 is a complete performance measurement instrument for mono, stereo and SCA. Tuneable in 100Hz steps over the entire FM band, the unit can perform over forty tests when used with an oscilloscope. The front panel includes frequency and test meter outputs, adjustable range peak flasher, peak counter, and easy to read auto-ranging meters. The 691 is extremely accurate and reliable.

691 FM MONITOR/TEST SET
#60QE691 ..... $5,295.00
691/01 FM MONITOR/TEST SET WITH 67kHz SCA MONITOR
#60QE69101 ..... $6,295.00
691/02 FM MONITOR/TEST SET WITH TWO SCA MONITORS
#60QE69102 ..... $6,695.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

GORMAN-REDLICH CRW WEATHER RECEIVER

This rack-mount receiver provides coverage of N.O.A.A. weather service frequencies. Tone-activated alert feature warns your operator or news department of upcoming severe weather conditions in your area. Front panel speaker volume control and alert indicator.

#60GRCRW $475.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.

YES! Bradley offers the complete line of TFT aural modulation monitors for AM, FM and TV.

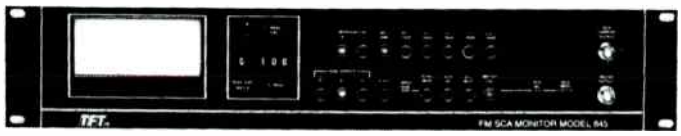
TFT MODEL 844 FM/STEREO MONITOR

This efficient and accurate monitor allows all baseband and stereo monitoring functions to be performed by a single unit. A tuneable preselector allows remote usage for off-air monitoring, or direct connection to a transmitter is available for proof measurements. Dual pre-selector settings enable rapid "A-B" comparison of your signal with the competition. This third-generation monitor is A.T.S ready, with peak counter and display. A unique feature of the 844 is the Peak Modulation Duration Differentiator (P.M.D.D) which separates true modulation peaks from those caused by transient noise, overshoot, and multipath distortion. P.M.D.D. allows the user to set a "window" to the peak width determined to be actual overmodulation. Only peaks of that width or wider will be counted by the digital peak counter.

Other useful features included are automatic I.F. bandwidth selection, multipath detector, front panel frequency counter output and frequency synthesized modulation calibrator.

#60TT844 ..... $4,250.00

Price above is manufacturer's list. Please call Bradley Broadcast for a current quotation.



TFT 845 FM SCA MONITOR

The model 845 makes complete, accurate measurements of injection level, modulation, S/N ratio, crosstalk, and THD (using an external analyzer). When used with the 845-01 receiver option, the 845 can even function as a stand alone system for direct off-air SCA monitoring. Front panel pushbuttons allow selection of up to five different SCA channels with either ± 4kHz or ± 6kHz deviation. High accuracy is assured by upconverting the baseband signal to an IF frequency, then extracting the desired SCA channel through the use of precision filters. For proof of performance measurements, an onboard 6-step (10dB per step) attenuator is provided, along with front panel BNC outputs for both the SCA channel and the output of the metering system. The 845 also uses the same adjustable Peak Modulation Duration Differentiator system as in the 844 FM Stereo monitor, to separate true modulation peaks from the effects of transient noise and multipath distortion.

TFT 845 SCA MONITOR
#60TT845 ..... $2,265.00
TFT 845-01 OFF-AIR RECEIVER MONITORING OPTION
#60TT845OPT01 ..... $710.00

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

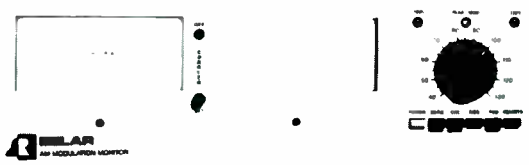
World Radio History

BELAR FMM-2 AND FMS-2 MODULATION MONITORS

The FMM-2, provides features and circuitry for improved FM monitoring and testing capability. An ultra-linear digital discriminator insures low IM distortion for best stereo performance. Sample-hold peak modulation meter circuit allows the meter to respond to short duration program peaks for close modulation tolerances. Built-in modulation calibrator and 100% peak indicator are suitable for ATS monitoring connection. Optional carrier level limit alarms permit use of the monitor as a power monitoring device. A built-in voltmeter simplifies AM and FM noise measurements. As part of an integrated system, the FMM-2 provides wideband outputs for add-on stereo or SCA monitors, such as the FMS-2 stereo monitor or SCM-1 SCA monitor.

BELAR FMM-2 FM MONITOR
#60BLFMM2 ..... **$1,350.00**
BELAR FMS-2 STEREO MONITOR
#60BELFMS2 ..... **$1,550.00**
BELAR SCM-1 SCA MONITOR
#60BLSCM1 ..... **$1,650.00**
ACCESSORIES:
BELAR FM RF AMPLIFIER
#60BLRFA1 ..... **$575.00**
BELAR YAGI ANTENNA FOR RFA-1
#60BLMJ10 ..... **$95.00**
REMOTE METER PANEL FOR FMM-2/FMS-2
#60BLMP8 ..... **$350.00**

Prices above are manufacturer's list. Please call Bradley for a current quotation.



BELAR AMM-2B MODULATION MONITOR

Features include separate 100% negative and 125% positive modulation indicators (independent of carrier level), adjustable 40-130% peak indicator, built-in carrier-off alarm, built-in modulation calibrator and true peak reading modulation meter circuit.

#60BLAMM2B **$1,095.00**

Price above is manufacturer's list. Please call Bradley for a current quotation.

BELAR AMM-3 AM MODULATION MONITOR

Contains all features of the AMM-2B plus simultaneous positive and negative modulation, carrier alarm for −10% to +15% carrier limit monitoring, two adjustable peak modulation indicators. This is the monitor for any station in a highly competitive situation. Ideal for setup of audio processing equipment and continuous verification of its correct operation.

#60BLAMM3 ..... **$1,400.00**

ACCESSORIES FOR AM MONITORS:
BELAR RFA-2 - AM RF Amplifier for AMM-2B and AMM-3.
#60BLRFA2 ..... **$595.00**
BELAR MP-6A - Remote meter panel for AMM-2B.
#60BLMP6A **$225.00**
BELAR MP-7 - Remote meter panel for AMM-3.
#60BLMP7 ..... **$245.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

BELAR AMM-4 AM FREQUENCY MONITOR

A digital AM frequency monitor designed especially for ATS. The AMM-4 will accurately monitor any frequency from 10kHz to 50mHz, providing a 3 digit LED readout. Front panel LED's warn of low RF level or loss of carrier, and a 10Hz deviation alarm LED and relay contact are also provided to give advance notice of an impending out-of-frequency condition. Counting is inhibited if there is a low-level RF condition or if modulation exceeds 99% negative, as indicated by a modulation monitor output. This prevents shutdown of an ATS system from false indications. An external relay card is optional to provide external alarm contact closures.

#60BLAMM4 ..... **$1,095.00**

OPTION:
01 ALARM RELAY CARD
#60BLAMM401 ..... **$195.00**

Prices above are manufacturer's list. Please call Bradley Broadcast for a current quotation.

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