

Bradley

BROADCAST



At 10:15 a.m. you recorded and mixed with studios in Boston, Santa Fe, Jacksonville, and New York.
At 1:00 p.m. your recording is on the air in L.A. All for the price of a few phone calls.
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1994



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Bradley Broadcast is pleased to present our 12th annual product catalog, containing a smorgasbord of equipment and supplies suitable for radio and TV stations, recording studios, road crews, theaters, government agencies, colleges, and audio professionals of all stripes.

Four years into the "digital decade," the innovations just keep coming. The latest products, both digital and analog, are labeled with a starburst. Look for it throughout the catalog.

Remember, Bradley offers many more products than we can fit in 128 pages. Call 1-800-732-7665 if you don't see what you need. Thank you for choosing Bradley.

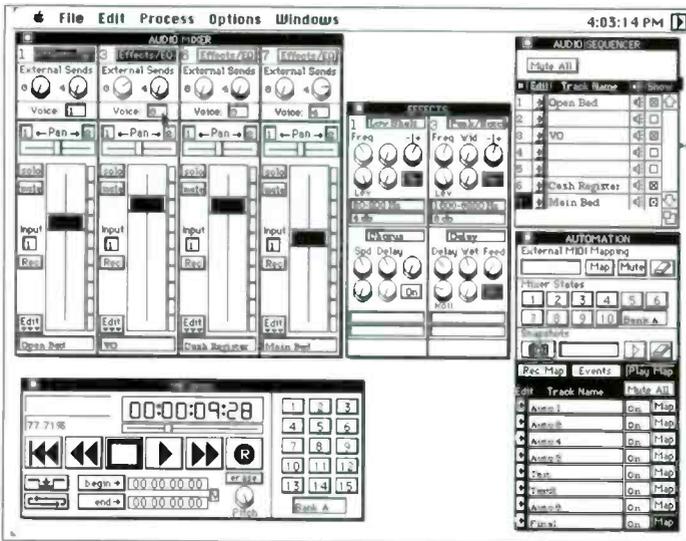


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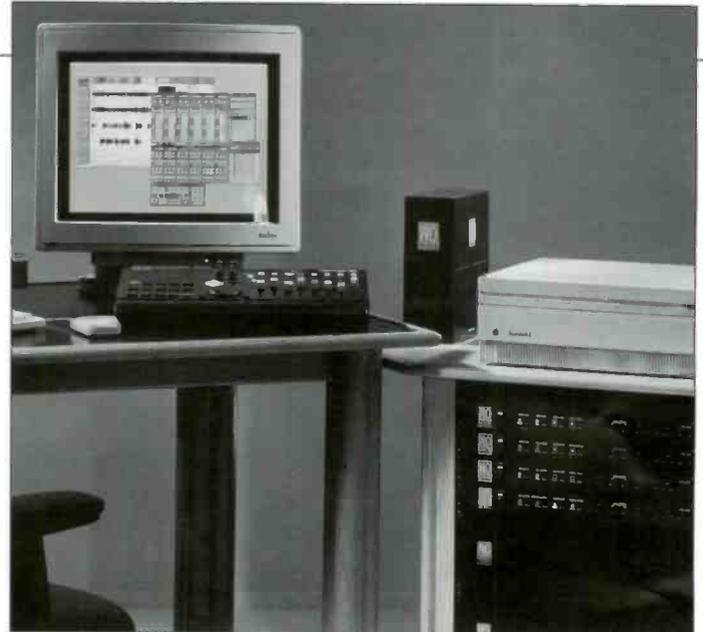
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Digidesign Pro Tools Multitrack Production System



Superb multitrack hard disk recording for use with your Macintosh! Start with the 4 track system and expand to 16 tracks (4 tracks at a time). This is real hard disk recording; all channels may be recorded simultaneously, just like tape. Anyone familiar with analog mixing consoles and multitrack tape recorders will find this system "user friendly". Use "Pro-Deck" to record your tracks, then switch to "Pro-Edit" to manipulate the audio on those tracks as you like. Slip or shuffle entire tracks or regions within those tracks. Work in bars/beats or minutes/seconds, or use the SMPTE generator/reader to edit audio with resolution down to the frame. Pro-Tools also provides signal processing in the form of a two-band



parametric EQ and effects. Outboard effects are accessed digitally; you don't need to convert to analog and back again. Mixing can be fully automated (including EQ, effects, panning, level, and sends). Call Bradley for more information.

ProTools 60DDMZ020 **MFR LIST** \$5995.00

Call Bradley for a current price quotation.

Digidesign Sound Tools Stereo Production System

In over 4000 installations worldwide, Sound Tools II is the choice for spot production, DAT editing, post production, and CD mastering. Based on the Apple Macintosh computer, Sound Tools extensive editing and digital signal processing capabilities provide unprecedented power to control and manipulate sound. Record, edit, and master stereo 16-bit digital audio with peerless fidelity and incredible ease. As an extra bonus, Sound Tools is one of the most affordable systems available.

The heart of Sound Tools is the Sound Accelerator card which is installed in your Macintosh. Sound Designer II software provides an easy to use, graphical interface in which you can record, edit, shape, and modify music and sound. To let you work quickly and efficiently, Sound Designer II performs recording using a familiar tape transport interface: cut/copy/paste style editing and shuttle and jog type scrubbing; DSP based equalization, dynamics processing, pitch shift, sample rate conversion, time compression/expansion, and mix/merge blending; manipulation of sound files by creating playlists that allow an infinite number of new arrangements; sample editing; and synchronization of SMPTE using MIDI Time Code. **For use with all Macintosh II series and Quadra machines.**

Sound Tools II 60DDMZ014 **MFR LIST** \$3495.00

Call Bradley for a current price quotation.



Accessory:

JLCooper's CS-1 Control Station has conventional tape transport controls, a jog/shuttle wheel, and user programmable keys that let you concentrate on your project and not your computer. Sound Tools is designed for ease of operation; when the CS-1 is added to your system, it becomes even faster to use.

CS-1 60JLCS1 **MFR LIST** \$599.95

DIGITAL AUDIO



The CardD System From Digital Audio Labs



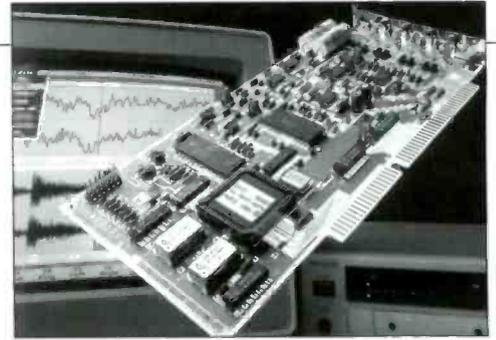
Convenient desktop hard-disk recording and editing isn't limited to programs for the Macintosh. For PC users, Digital Audio Labs has The CardD, a two-track recording system designed for radio stations and low-to-medium budget production facilities.

The *EdDitor for Windows* program is a sophisticated stereo waveform editor, well-suited for voice-over and sound-effects layering. Fast cut-and-paste operations, customized fades or crossfades, pitch shifting, reverse play, and flexible bass and treble equalization are done with ease. The catalog feature is ideal for broadcasters; it lets you create an unlimited number of boxes in a window, and assign each to a particular sound for quick access. MIDI and SMPTE features are useful in production environments. *Run the EdDitor with The CardD (below), or use it to enhance your existing audio card for Windows 3.1.*

The *CardD* audio card itself records and plays both 8- and 16-bit analog audio in mono or stereo, with specs of 92dB S/N and typical distortion of 0.003%. The system supports sampling of 48, 44.1, and 32kHz, and jumper-set levels of +4dBm or -10dBV on RCA connectors. The disk storage requirement is typically 10MB per minute for stereo recordings. Special grounds and filters reduce internal PC noise.

The *I/O Card* is a companion to The CardD which provides direct digital transfer to and from DAT, CD, or other devices using the S/PDIF format.

The *EdDitor for Windows* works best on an IBM-compatible 486 computer, or a 386 with at least a 40 MHz clock. Other requirements: 4MB RAM, 200MB hard



drive, mouse, Microsoft Windows 3.1, The CardD (or other Windows 3.1-compatible sound card), and a hard-disk optimizer program. If multitasking or doing longer recordings, more RAM may be required. Other cards are required for MIDI and SMPTE use; ask your Bradley professional.

EdDitor for Windows	60DATE01	MFR LIST	\$250.00
CardD	60DATC01	MFR LIST	\$795.00
I/O Card	60DAIO01	MFR LIST	\$295.00

Call Bradley for a current price quotation.

Protect your investment. See our line of UPS and other AC filtering products in the Furnishings section.

Digidesign Session 8

Session 8 is an integrated digital studio for professional-quality recording on a budget, designed to run on your PC or Macintosh computer. Well-suited for broadcast, home or project studios, Session 8 combines leading-edge technology like digital signal processing, random-access editing, digital mixing and track "bouncing", direct-to-disk digital multitrack recording, and MIDI compatibility.

Session 8 provides possibilities for creating a customized recording environment. If using an outboard console, you have a choice of either external analog, or internal digital mix modes; or use Session 8's powerful built-in console features.

The backbone of Session 8 is its audio processing hardware, powerful microcomputers on audio cards that include Motorola digital signal processing and a SCSI hard disk controller. The system software provides a choice of screens for different applications: a routing window to patch various audio inputs, a mixing screen that emulates an eight-channel mixing console, and an edit window with waveform display to cut, paste, and re-arrange audio segments with ease.

Thanks to the convenience of a disk-based system, you avoid many hassles associated with tape-based recording. For instance, all patching and re-routing is done on-screen rather than by hand. The user can load and unload tracks to try dozens of alternate takes. Tracking and mixing is done entirely in the digital domain.

For pro users who want an affordable digital multitrack system with balanced XLR-type connections, premium converter technology, and both AES/EBU and S/PDIF outputs, choose the Session 8 XL, which includes software, audio cards, and two of Digidesign's pro Audio Interfaces, the same used in their top-of-the-line Pro Tools recording/editing system. (Session 8 XL is for IBM compatibles only.)

For home or simple project studios, we recommend the standard Session 8 system, which includes software, audio cards, and the audio interface unit with unbalanced line I/O (on 1/4" TS connectors), balanced mic input (on XLR), S/PDIF I/O, 10x2 analog submixer, inserts, and effects sends/returns. It's essentially an economical, all-in-one digital studio.



Note: For PC users, Session 8 and Session 8 XL work best with a 486SX/25MHz computer with 4MB RAM or better and internal drive; for Session 8 on Macintosh, use Mac II series, Quadra series, or Centris 650 CPU with 8MB RAM or better. Call us for other computer requirements for your new system.

Also available: Session 8 R-1 Remote Controller for hands-on fader and transport control. It's a useful alternative to using a mouse, and excellent when doing live mix-downs.

Session 8 Digital Recording System for IBM compatibles

	60DDPZ001	MFR LIST	\$3995.00
Session 8 XL for IBM compatibles	60DDPZ002	MFR LIST	\$5995.00
Session 8 for Macintosh	60DDPZ003	MFR LIST	\$3995.00
R-1 Remote Controller	60DDR1	MFR LIST	\$995.00

Call Bradley for a current price quotation.



360 Systems DigiCart/II Digital Recorder



The DigiCart/II hard disk recorder improves on the benchmark performance of the DigiCart/I with more powerful software, even greater storage options, and enhanced remote control capabilities. Think of it as a digital cart machine, mini-workstation, and hard disk system.

Access 10,000 cuts and stacks instantaneously with just a few keystrokes. Play from cut to cut seamlessly (thus replacing several analog machines) and without re-cue time. Make beautiful 16-bit digital recordings, either in linear mode or with Dolby AC-2 data reduction. Make custom playlists or "stacks" of cuts; the machine acts like a programmable, seamless jukebox.

You can perform digital editing functions including head/tail trim, fade-in, and fade-out. All changes are reversible.

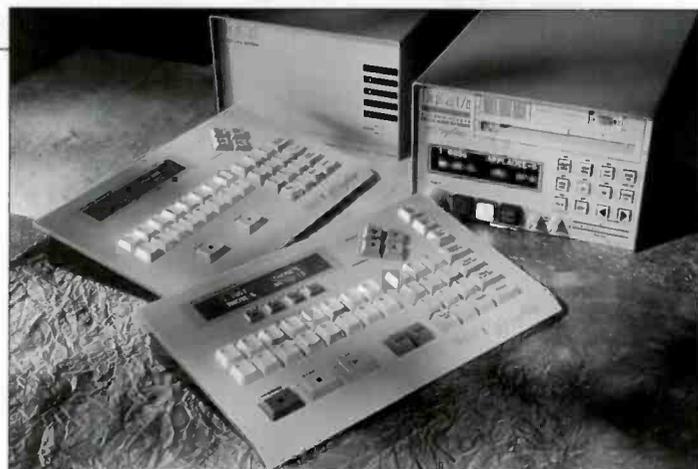
Three sizes of hard disk are capable of storing a library of between 111 and 480 minutes of stereo audio. Removable Bernoulli disks also let you take more than 70 minutes with you. Copies transfer at an efficient 10:1 rate. An optional companion Hard Disk System can house more drives for another 40 hours of storage.

In playback, the DigiCart/II display shows the names of both the playing cut and the next one that's cued up, plus time remaining. Loop, pause, and preset features make the machine a cinch to use.

Technical considerations: the DigiCart/II supports 48, 44.1, and 32kHz sampling. Expect 92dB dynamic range and distortion better than 0.005%. Inputs are electronically balanced, outputs are phase corrected, and XLR connectors are used.

Already own a DigiCart/I but want the extra software features of DigiCart/II? Call Bradley for information about upgrade firmware from 360 Systems.

- DigiCart/II Model 2002** includes hard disk for up to 111 minutes internal storage of stereo audio. 60THDCR2002 MFR LIST \$4995.00
- DigiCart/II Model 2005** includes hard disk for up to 240 minutes internal storage. 60THDCR2005 MFR LIST \$5995.00
- DigiCart/II Model 2010** includes hard disk for up to 480 minutes internal storage. 60THDCR2010 MFR LIST \$7250.00



Accessories:

The **RC-220 Remote**, designed for production work, duplicates the machine's front panel and includes 16 presets for instant playback and a keypad for rapid cut selection. Controls up to four machines.

60THRC220 **\$745.00**

The **RC-210 Remote** is a simplified control panel, designed for on-air playback. Quick access to playback functions; fast assembly of commercial breaks.

60THRC210 **\$595.00**

The **RC-205 Mini-keyboard Remote** is useful for titling directories and files. It maps up to 100 cuts to "hot keys," a powerful production tool.

60THRC205 **\$130.00**

Call Bradley for a current price quotation and pricing of external hard disk arrays for even more storage.

360 Systems DigiCart Digital Recorder

The DigiCart/I combines the convenience of an ordinary cart machine with the quality of 16 bit digital audio. It uses a unique, removable Digital Audio Disk (DAD) that can store up to 20 minutes of stereo audio. Each disk can store several spots or songs. Internal hard disk storage allows hours of recordings to be instantly accessed, depending on the model. Dolby AC-2 digital audio compression/expansion is available to increase storage time on DADs and hard disks.

A large cue knob makes it easy to dial up any selection, and the large display window shows the cut's name and run time. You can even cue the next cut while the machine is in use! Segments may be programmed for successive play; basic editing functions and loop playback are provided. Standard cart machine features, such as three cue tones and full remote control capabilities, are incorporated. Inputs and outputs are on balanced XLR connectors. The DigiCart produces ruler flat response with absolute phase accuracy. Sampling rates, as well as mono and stereo tracking, can be combined on a single disk to provide the highest fidelity and maximum playing time for your format. DigiCart is automation ready, as it can be controlled from an external computer.

DigiCart/I Model 1000 with 44MB cartridge drive and no hard disk. Stores up to 20.5 minutes stereo audio on each Digital Audio Disk (order disks separately). 60THDCR1000 MFR LIST \$3995.00

DigiCart/I Model 1002 includes cartridge drive plus HD-200 hard disk for up to 111 minutes internal storage. 60THDCR1002 MFR LIST \$4995.00



DigiCart/I Model 1005 includes cartridge drive plus HD-500 hard disk for up to 240 minutes internal storage.

60THDCR1005 MFR LIST \$5995.00

DigiCart I/Model 1010 includes cartridge drive plus HD-1000 hard disk for up to 480 minutes internal storage.

60THDCR1010 MFR LIST \$7250.00

Accessories:

Digital Audio Disks (10 pk) 60THDAD10 MFR LIST \$400.00

Digital Audio Disks (50 pk) 60THDAD50 MFR LIST \$2000.00

Call Bradley for a current price quotation.



Marantz CDR 610 Compact Disc Recorder



Recording your own CDs is easier than you think. The benefits will quickly become apparent: cut a demo or reference CD, compile jingles, make your own promotional discs, or customize a sound effects CD from your larger library. Great for long-term master storage without the print-through problems of tape. The CDR610 produces discs that are Red/Orange Book compliant so that they will play on any CD machine.

Analog I/O is on balanced +4dBm XLR connectors, switchable to -10dBV. High oversampling, one-bit A/D and D/A converters are used; AES/EBU and optical digital I/O are provided. Up to 99 tracks, with 99 indexes per track, can be recorded. Because the machine can create a temporary table of contents, recording can be stopped and then resumed at a later time. A unique skip feature allows misrecorded tracks to be masked. Other features include automatic, manual, and on-the-fly track numbering and comprehensive power protection. No SCMS: archiving is unlimited.

A wired remote control with important transport functions is now standard, and a nine-pin parallel I/O port allows control from external devices like digital workstations.

CDR 610 60MRCR610 MFR LIST \$5000.00

Call Bradley for a current price quotation and for information on blank discs.

Fidelipac DCR1000 Digital Cart Machine

The Dynamax name, well known in cart machine circles, now appears on a cart machine for the '90s, the DCR1000. Audio is recorded and played on standard 3 1/2" floppy disks available at any computer store. Maintenance is easier, tape costs go down, phase/flutter problems go away, and — best of all — the operators will feel instantly comfortable with the familiar controls.

Selectable sampling rates let you pick the best rate and disk size for your application. For example you might use 2MB disks for commercials, and 13MB disks for songs up to 5:10. Instant start, AES/EBU digital input, and SEC/TER tones are standard; a PC keyboard is included with record models for titling and editing. XLR inputs and outputs are provided; all models are 1/3 rack width by 5 1/2" high. The DCR1000 uses apt-X 4-to-1 audio compression.



DCR1020 Master Player 60FPDCR1020 MFR LIST \$2975.00
DCR1040 Record Module & Keyboard
 60FPDCR1040 MFR LIST \$2500.00

RM-4S Rack Shelf 61FPRM4S MFR LIST \$120.00
FP-3 Filler Panel (1/3) 60FPFP3 MFR LIST \$20.00

Call Bradley for a current price quotation.

Fostex RD-8 Digital Multitrack Recorder



With the RD-8 eight-track recorder, production and post facilities can take advantage of the benefits of ADAT digital audio on S-VHS tapes: multiple takes and edits for seamless composite performances, multiple copies without degradation, and superb audio fidelity.

The RD-8 is compatible with all hardware and software from the ADAT Group of companies. Its SMPTE generator/reader lets you stripe, read, or jam sync code, even convert to MIDI Time Code. In MIDI uses, the RD-8 can integrate easily into project studios, allowing transport control from within an MMC compatible sequencer. Off-line audio is easy for working with video editors.

Features include on-board synchronizer, track slip, selectable 44.1/48kHz sampling, and RS-422 port. Table of contents data can be stored right on the tape. Cross-fade time is controllable for machine-to-machine editing; 100 locate points are provided. ADAT uses 16-bit analog-to-digital conversion and 64x oversampling for better-than-CD quality. DB-25 connectors provide balanced +4dBm I/O; RCA connectors provide unbalanced -10dBV. The RD-8 includes rack ears and occupies three rack spaces.

RD-8 60FORD8 MFR LIST \$4795.00

Call Bradley for a current price quotation.

Don't forget to order S-VHS tapes for your new ADAT system. Ask your Bradley representative for details.



Alesis ADAT® S-VHS Digital Multitrack

From Alesis comes ADAT®, a multitrack tape recorder that combines the quality and ease of digital recording with the economy of analog reel equipment. ADAT records up to 40 minutes of CD-quality audio on a standard S-120 S-VHS tape. One ADAT records eight independent tracks. ADAT allows the user to overdub tracks repeatedly, control edit points accurately, and do gapless, seamless punch-ins and -outs.

An important feature is self-synchronization: the user may combine up to 16 ADATs, capable of handling 128 tracks, without an external synchronizer, thanks to the unit's built-in proprietary interface.

Alesis uses 16-bit linear PCM encoding at 48kHz sampling and individual AD/DA converters on each track to assure state of the art digital quality in a compact, three rack-space package. Both -10dBV RCA unbalanced and +4dBm multi-pin balanced ins and outs are standard.

The optional BRC™ Master Remote Control is useful in audio post work where control of individual tracks is critical. It's a machine controller and SMPTE time-code chase lock synchronizer; it also allows the user to copy an audio segment on one ADAT machine to any location on another ADAT, digitally and without patching.

The AI-1™ option allows direct digital transfer of audio between ADAT and other digital systems including hard disk and DAT; each AI-1 handles two adjacent ADAT tracks at a time, via the AES/EBU or S/PDIF format, at 44.1 or 48kHz. With a BRC, tracks need not be adjacent. For editing applications where ADATs are slaved to a master video recorder or editing system, the AI-2™ acts as a stand-alone chase synchronizer and Sony nine-pin protocol emulator, and provides MIDI Time Code.

ADAT S-VHS	60AEADAT	<i>MFR LIST</i>	\$3995.00
BRC Master Remote Control	60AEBRC	<i>MFR LIST</i>	\$1995.00
AI-1 AES/EBU and S/PDIF Digital Interface	60AEAI1	<i>MFR LIST</i>	\$895.00
AI-2 Multipurpose Audio/Video Synchronization Interface	60AEAI2	<i>MFR LIST</i>	\$995.00



Call Bradley for a current price quotation.

Tascam DA-88 Digital Multitrack Recorder

No matter how digital or random-access the audio industry becomes, an eight-track tape recorder will always be indispensable for many studios. Tascam's DA-88 provides a fresh take on that beloved format. In general use, the machine is like an old friend: eight channels in, eight channels out, and an effortless, menu-less transport control. Under the hood, though, this is like no eight-track you've ever used. Rather than using unwieldy open-reel tape at 15 IPS, the DA-88 uses a standard, available-anywhere, Hi-8 Cassette to give you 100 minutes of stunning digital storage on all eight tracks. That's enough, on one tape, to cover any CD project and most audio or video broadcast jobs.

The unit's large meters, transport jog wheel, single button punch-in, and simple controls virtually eliminate the learning curve for anyone used to multi-tracking. Up to six units can be linked together for a total of 48 tracks. The DA-88's numeric display shows you absolute time in Hours, Minutes, Seconds, and Frames, as well as displaying memo times, pitch change, SMPTE Time Code and Offset. With the optional SY-88 Synchronization Board, the DA-88 will act as either SMPTE Master or Slave and provides video sync, RS-422, and MIDI Machine Control protocols.

DA-88	60TEDA88	<i>MFR LIST</i>	\$4499.00
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Accessories:

RC-848 Multi-Machine Remote Control	61TERC848	<i>MFR LIST</i>	\$1499.00
RC-808 Single Machine Remote Control	60TERC808	<i>MFR LIST</i>	\$200.00
MU-8824 24-Channel Meter Bridge	61TEMU8824	<i>MFR LIST</i>	\$899.00

Call Bradley for a current price quotation.

Sony MDS-101 MiniDisc Player/Recorder



The world's first MiniDisc deck for the home plays both pre-recorded and user-recorded MD's. The 2 1/2" MD discs can hold up to 74 minutes of digital audio and can be recorded over and over. Text function lets you program the display so you can see what you're hearing. Random access, shuffle, repeat, and programming modes let you hear the cuts you want. Divide, Combine, Erase, and MOVE functions let you configure your recorded cuts any way you like. The same shock-resistant memory found in portable MD units is built into the MDS-101.

Digital in/out, line in/out, and mic input are provided, and a 25-key wireless remote control is included. The MD format uses ATRAC compression and 44.1kHz sampling. The MDS-101 is 9"W x 3"H x 11 1/2"D, and weighs 6 lbs., 6 ozs. See the Field Production section for info on Sony's portable MZ-1.



MDS-101	60SOMDS101	<i>MFR LIST</i>	\$1000.00
74 minute Disc	60SOMDW74	<i>MFR LIST</i>	\$16.99

Call Bradley for a current price quotation.

Sony DTC-690 DAT Recorder



Why go out on a limb when you're in the market for an economical DAT machine? You can get Sony quality at a value-oriented price with the DTC-690. The wireless remote control provides ten-key track selection. Inputs are RCA analog plus optical and coaxial digital; outputs are analog and optical. The display shows absolute and remaining time. The DTC-690 uses pulse type A/D and HDLC D/A converters and a three-motor, direct drive transport for reliable performance. It supports four-hour LP mode and incorporates SCMS copy management. Size: 17"W x 4 1/4"H x 13 3/4"D.

Need a rack shelf to hold your new DAT machine? See the line of Middle Atlantic products in our "Furnishings" section, or consider the Sony DTC-A7, below.



DTC-690	60SODTC690	<i>MFR LIST</i>	\$700.00
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Call Bradley for a current price quotation.

Sony DTC-A7 DAT Recorder



The DTC-A7 is similar to the economical DTC-690 (above) but also provides rack ears, a coaxial digital S/PDIF output, and a front-panel selector switch to choose sampling rates when recording from analog sources. The machine can also record the date and time on your tape.

DTC-A7	60SODTCA7	<i>MFR LIST</i>	\$980.00
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Call Bradley for a current price quotation.



Otari DTR-7 DAT Recorder

Otari has a simple DAT machine for a variety of uses around your facility. The DTR-7 offers important features like active balanced inputs and outputs on XLR connections, plus digital AES/EBU on XLR, and S/PDIF on RCA connectors. The major sampling frequencies of 48, 44.1, and 32kHz are supported, and 32kHz long-play mode is provided. The DTR-7 comes with its own rack-mount adapter and occupies three rack spaces. SCMS is incorporated on the S/PDIF connectors.

DTR-7	600TDTR7	<i>MFR LIST</i>	\$1848.00
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Call Bradley for a current price quotation.



Sony PCM-2700A DAT Recorder



The Sony PCM-2700A DAT machine is suited for broadcast use and record/play operations in recording studios. This is a sophisticated professional machine, with four heads for monitoring during recording, three sampling frequencies, and rack ears. Absolute time, high speed location, and date index are standard.

New features of the 2700A include remote fader start capability and dual digital I/O with both AES/EBU and S/PDIF formats to allow direct connection with most digital devices. Like its popular predecessor the PCM-2700, this model's analog inputs and outputs are balanced XLR connectors. Sony's 1-bit pulse D/A converter provides exceptionally clean playback with very low noise. The start and skip ID's can be written manually and easily moved in increments of 1/3 second using the rehearsal mode, a major convenience for broadcast use.

Wireless remote and rack kit are included. An optional wired controller provides parallel remote transport control.



Accessory:

RM-D7100 Remote Controller

60SORMD7100

MFR LIST

\$600.00

PCM-2700A DAT Recorder

60SOPCM2700A

MFR LIST

\$3230.00

Call Bradley for a current price quotation.

Bradley has all lengths of DAT tapes from Maxell, Panasonic, and others. See page 13 or call us today.

Tascam DA-30 DAT Recorder

The front panel of the DA-30 is as familiar as the face of an old friend. When you see and hear it perform, you'll wonder where it has been your whole life.

The DA-30 is an affordable, full function DAT recorder that combines outstanding audio performance with famous Tascam reliability. The A/D converters employ 64 times oversampling Delta Sigma modulation, and 18 bit, 8x oversampling D/A converters are used. Recording is offered at 48kHz and 44.1kHz sampling frequencies.

Features include 150 millisecond cue increments, AES/EBU digital input/output, start ID positioning, and both +4dBm and -10dBV analog inputs and outputs. The provided wired remote control allows control of all DA-30 functions, and includes numeric keys for direct search and playback programming. The clean layout and clearly marked controls make operation of the DA-30 a breeze.



DA-30

60TEDA30

MFR LIST

\$1399.00

Call Bradley for a current price quotation.

Panasonic SV-3700 DAT Recorder

Panasonic's third generation DAT recorder features high performance "one bit" A/D converters and four precision D/A converters. These advanced technologies produce improved performance and linearity. Instrumentation quality analog circuitry and specially developed digital components also ensure the utmost quality. Analog inputs and outputs are balanced XLR, and digital I/O is in both the professional AES/EBU and consumer S/PDIF formats. Recording is offered at 48kHz, 44.1kHz, and 32kHz.

The SV-3700 has a shuttle wheel for accurate cueing. The high speed transport, with up to 400 times speed, can access any point on a two hour tape in 30 seconds or less. The comprehensive front panel display can show error correction rates for assessing tape quality. The SV-3700 is built on a massive die-cast chassis that ensures stability. Rack mount included.



Accessory:

Remote Control 60PASSE44

MFR LIST

\$50.00

SV-3700

60PASV3700

MFR LIST

\$1840.00

Call Bradley for a current price quotation.



Panasonic SV-3900 DAT Recorder

The Panasonic SV-3900 features a fully implemented Serial Control Interface for bidirectional remote control of all transport and programming modes. This provides access to multi-machine networking, giving you an array of options previously unobtainable. The high speed transport, with up to 400 times speed, can access any point on a two hour tape in 30 seconds or less. The SV-3900 features high performance "one bit" A/D converters and four-stage D/A converters (two per channel) with 18-bit resolution. Analog inputs and outputs are balanced XLR, and digital I/O is in both the professional AES/EBU and consumer S/PDIF formats. Recording is offered at 48kHz, 44.1kHz, and 32kHz. Rack mount included.

Using the SH-MK390 remote control, up to 32 SV-3900s can be simultaneously controlled. This enables you to perform tasks like event automation, multiple DAT duplication, and assembly editing. The SH-MK390 gives you a complete readout on the status of any DAT you currently have selected. Additionally, an RS-422 Serial Control port is available on the SV-3900 for control from external sources, such as a computer or editor.

SV-3900 60PASV3900 MFR LIST \$2500.00



Accessories:

SH-MK390 Remote Control 60PAMK390 MFR LIST \$430.00

Software Developer's Toolkit

Provides a shell for programmers to write their own computer based control schemes for the SV-3900. For use with Apple Macintosh computers.

60PAST390M MFR LIST \$650.00

Call Bradley for a current price quotation.

Fostex D-10 DAT Recorder



Among high-class DAT decks, the D-10 is a lot of machine for your hard-won budget. Broadcasters will love the instant start feature, made possible by the built-in RAM system. Video and film post engineers can perform fast assembly edits with a pair of D-10's through their universal GPI ports. Auto record puts hands-free editing under microprocessor control.

Store and recall up to 100 cue points using the front-panel keypad. Record up to 799 PNOs. Use auto-rehearse to preview edits before recording them. Use the jog/shuttle features to adjust tape speed from 1/2 to 16x normal (audible from 1/2 to 5x normal). Features like auto cue to audio, instant start, and fast locate combine to make the D-10 ideal for tight production and editing or on the air.

The D-10 reads and displays A-Time or Pro-R time. Analog inputs and outputs are balanced XLR and unbalanced RCA; digital AES/EBU and IEC (optical) are also supported. The machine provides 48 and 44.1kHz sampling, and occupies three rack spaces. A wireless remote is included. SCMS copy guard is not incorporated, allowing you to make second generation digital copies. Material can be recorded from any digital source.



D-10 60FOD10 MFR LIST \$3295.00

Call Bradley for a current price quotation.

You'll find a full selection of portable DAT recorders in the Field Production section, beginning on page 14.

Henry Digistor

Henry Digistor is a versatile digital message storage device. When used with your phone system it will automatically answer the line and play your recorded message. It can also be used for "message-on-hold," or as a utility message repeater. With no cue time the caller always hears the message from the beginning. Features include single or continuous playback. Mode, play, stop, and record functions are remotely controllable. Battery backup prevents memory loss during AC failure. Records from a mic, tape deck, or studio and, depending on the model selected, provides up to 8½ minutes recording time.

Frequency 2.5kHz, 2:02 min.	60HEDS	\$335.00
Frequency 3.5kHz, 1:20 min.	60HEDSHF	\$355.00
Frequency 2.5kHz, 8:32 min.	60HEDSXM	\$499.00
Frequency 3.5kHz, 5:30 min.	60HEDSXMHF	\$525.00

Call Bradley for a current price quotation.



Halland Broadcast Services Compact Disc Libraries

Five dynamite CD libraries for on-air use at your station, from Halland and Bradley:

"Country" is a new compilation of the best hits from today's country artists, a perfect core library with 450 songs emphasizing hits from the late 80's through today. All original hit versions. Contemporary, upbeat, targeting the 25+ demographic.

"Country Gold" is a new library of secondary hit music to spice up country formats. Includes about 250 songs, a mix of researched gold like Patsy Cline plus recent material.

"Rock and Roll Graffiti", the definitive CD oldies library, featuring more than 1,200 songs on 50 CDs. This excellent collection is perfect for oldies stations or for AC/CHR stations who wish to supplement their formats with occasional oldies. All songs are the original versions, digitally remastered for excellent fidelity without tics, pops, or noise.

"The Seventies", a CD gold library covering 1970 to 1979. Consisting of 545 songs on 30 CD's, this library comes 95% from original source material.

"The Eighties Plus" includes 769 songs covering 1980 through 1992. An ideal core library for any AC, Hot AC, or CHR station. Updated periodically with additional CD's to keep the playlist current.

All Halland libraries come with a database on floppy disk, and are arranged on the CD's in alphabetical order by artist. Database permits the user to print the library sorted by artist, title, year, or time. Other data included are track number, intro time, running time, and type.



Please note: These CD libraries are available only to licensed broadcast stations. The user must complete a contract to verify licensee qualification. All CD libraries come with a five-day money-back satisfaction guarantee from Halland, along with a one year free replacement warranty on the discs.

Denon CD Cart Machines

The Denon DN951FA is the heir to the highly successful DN-950 line of CD players. The 951 offers improved performance and easier service, meaning less down time at your station. Each CD is housed in a plastic case, like a cart, so risk of scratching or other abuse is greatly reduced. Other features include speed changes accessed via the front panel. No more jumpers inside the unit to fool with! One may vary the speed as much as +3% in 0.2% increments. The large digital display shows Track Number, Index Number, and Elapsed or Remaining time in minutes, seconds, and frames, if so desired.

Use the rotary track select to dial up your next cut; the cue to music feature allows instantaneous audio when play is hit. Manually search through a track; preview the last several seconds of the track via the "End Monitor" mode; select single or continuous play modes. The unit will play "Orange Book" CD's, those which are partially recorded, with no table of contents.

The unit also incorporates Denon's Auto Track Select System (ATSS). The system reads barcodes placed on the CD by the program director. One may cue to a specified track, to the exclusion of all others via Track Exclusive mode; cue to a specified track, but allow the operator to manually select others on the disc via Track Priority mode; or exclude a specific track, allowing the operator to select any of the remaining tracks via Track Lockout mode. The small footprint of the machine allows three units to fit across a standard 19" EIA rack. Remote control is easy using pull-to-ground logic or via the RS422 serial interface. 16 bit linear, 8x oversampling assures quality audio. Outputs are balanced 600 ohm analog, adjustable from -20 to +18dBm and AES/EBU digital.

DN 951FA 60DEDN951FA MFR LIST **\$1350.00**

Also available:

Denon DN-961FA

The DN-961FA is the drawer-loading version of the DN951FA, for those stations who choose not to use the CD Cart format. All features are identical except for the absence of the Auto Track Select System.

DN 961FA 60DEDN961FA MFR LIST **\$1350.00**

Call Bradley for a current price quotation.



Denon 951FA



Denon 961FA



Sony CDP CD Players



Our Sony CDP machines are affordable high-fidelity single disc players, good for home or for simple CD applications at work. All use pulse D/A converters for superb linearity and 8x oversampling with an 18-bit digital filter. They provide 24-track programming, letting you play songs in any sequence you choose.

The Sony CDP-211 provides 10-key track selection, peak level search to help you set your volume control, shuffle play with track delete, programmable fader to start and end cuts, and more. 17"W x 4"H x 11½"D.

The CDP-311 provides the features above, plus a full-featured wireless remote control. Same dimensions as CDP-211.

The CDP-411 adds the wireless remote plus a more sophisticated keypad and an optical digital output. 17"W x 4¾"H x 11½"D.

CDP-211	60SOCDP211	<i>MFR LIST</i>	\$180.00
CDP-311	60SOCDP311	<i>MFR LIST</i>	\$200.00
CDP-411 (pictured)	60SOCDP411	<i>MFR LIST</i>	\$250.00



Call Bradley for a current price quotation.

Sony CDP-2700 CD Player

This affordable pro CD player uses advanced 18 bit, 8x oversampling D/A converters for superb audio reproduction. For error correction, the CDP-2700 employs cross interleave RSC which virtually eliminates noise. Auto cue to the first audio on a cut assures tight cues. Features include fader start/stop for remote control from a console, ±12.7% variable speed playback in 0.1% increments, and anti-vibration chassis with rack mounting hardware. Digital output supports AES/EBU and S/PDIF formats. Analog outputs are on both balanced XLR and unbalanced RCA phono connectors. An additional set of unbalanced monitor outputs and a front panel headphone jack are provided.

CDP-2700	60SOCDP2700	<i>MFR LIST</i>	\$1445.00
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Call Bradley for a current price quotation.

Technics SL-PD647 & SL-PD847 CD Changers

For those who desire a CD changer, Bradley and Technics offer two inexpensive but top performing models. The SL-PD647 and SL-PD847 share a number of outstanding features, among which are a front loading design (lets you change any four discs while the fifth is playing), Technics' renowned MASH 1-bit DAC system, dual directional platter, 32-step random access programming, sequential play and repeat, spiral play, and repeat capability (for a single track, entire disc, all five discs, or programmed songs). Both changers have high impedance, low level, unbalanced RCA outputs, so an interface amplifier (page 96) is recommended for broadcast applications. The difference between the two is that the SL-PD847 features a 27 key wireless remote control; the SL-PD647 does not.

SL-PD647	60TCSLPD647	<i>MFR LIST</i>	\$219.95
SL-PD847	69TCSLPD847	<i>MFR LIST</i>	\$249.95



Call Bradley for a current price quotation.

See Page 56 for convenient rack-mount shelves.



Technics SL-P1300 CD Player

Technics' top of the line professional CD player puts you in complete control. To find any point on a disc quickly, the SL-P1300 has a two speed search dial letting the operator "spin" the disc to the desired point. Slow speed gives one second of program time per rotation, while fast speed gives 30 seconds per turn. Once a selection is cued, you may preview the cue point for accuracy without losing that cue point. In the autocue mode, the SL-P1300 does the work for you by positioning the pickup at the start of the first note of the track, ready to begin play instantly at your command.

The SL-P1300 incorporates four digital-to-analog converters, 18 bit resolution with 8x oversampling, and twin Class AA analog circuitry. Other features include $\pm 8\%$ continuously adjustable pitch control on a long throw fader, comprehensive track selection and programming facilities, and an easy to read multi-function display. Programmable music scan lets you preview the first few seconds of each song on a disc. "Play," "stop," and "pause" functions may be controlled via a hard-wire rear connector. Outputs are low impedance, balanced, on XLR connectors.

SL-P1300 60TCSLP1300 MFR LIST \$1900.00

Call Bradley for a current price quotation.



Also available: SL-P1200 CD Player

Dual D/A converters, 2x oversampling, and only unbalanced outputs.

60TCSLP1200 MFR LIST \$1500.00

Technics SL-PS840 CD Player

This unit features Technics' MASH (Multi-Stage Noise Shaping) 1-bit digital to analog converters for most accurate sound reproduction. The SL-PS840 uses eight DACs with 64x oversampling. It also has a rugged, center mounted transport and a floating isolation design to protect against the effects of vibration. Features include auto cue to the beginning of any track's audio, CD edit function, high speed linear access system, headphone jack with volume control, large display with track and index information, optical digital output, and wireless remote control. Outputs are high impedance, unbalanced, on RCA jacks.

SL-PS840 60TCSLPS840 MFR LIST \$429.00

Call Bradley for a current price quotation.

Accessories:

Rack mount shelf for SL-PS840
61MATCSLPS840 \$78.00



Technics SL-PG340 & SL-PG440 CD Players

Technics' MASH technology is now available in these moderately priced units. The SL-PG340 and SL-PG440 have a digital servo system for faster access and improved focusing. Both units feature a four DAC design with 4x oversampling, 18-bit resolution, and a digital filter. The linear motor used in these players provides remarkably accurate and responsive tracking of the disc. Auto cue is provided. The SL-PG440 has the added features of a front panel headphone jack with level control, a wireless remote control, and 10 key direct access. Outputs are high impedance, unbalanced, on RCA jacks.

SL-PG340 60TCSLPG340 MFR LIST \$169.00

SL-PG440 60TCSLPG440 MFR LIST \$189.00

Call Bradley for a current price quotation.

Accessories:

Rack mount shelf for SL-PG340 61MATCSLPG340 \$78.00

Rack mount shelf for SL-PG440 61MATCSLPG440 \$78.00



Denon DN-2700F Double CD Player



A sophisticated dual transport CD system for serious live gigs. The DN-2700F includes the convenient features and ruggedness of Denon's popular DN-2000F, plus improvements based on user input such as enhanced three-range pitch control, 0.01 second instant start, a built-in six-second sampler, and a DJ-friendly front-panel jog wheel. If you need to walk away from the microphone for a few minutes, the random play feature will fill in seamlessly. The DN-2700F includes the transport and a wired remote control chassis, both rack-mountable. Outputs are high impedance, unbalanced, on RCA jacks.

DN-2700F 60DEDN2700F MFR LIST \$2300.00

Call Bradley for a current price quotation.



Denon DN-2000F Dual Transport CD Player

With the dance music scene bigger than ever, and with more and more music available only on CD, DJ's need a high-quality, road-worthy CD system. The DN-2000F is just the ticket. This double CD player features fast start, pitch control, cueing, pause control, pitch bend, and a self locking transport for rugged roadability. 8x oversampling means high sound quality, and the ability to separate the player from the controller means that you can organize your space in any way you'd like. Outputs are high impedance, unbalanced, on RCA jacks.

DN-2000F 60DEDN2000F MFR LIST \$1250.00

Call Bradley for a current price quotation.



Tascam CD-401 MKII CD Player

Tascam's CD-401 MKII gives you lots of broadcast features at a "consumer" price. This unit is rack mounted with XLR balanced and RCA unbalanced analog outputs, as well as S/PDIF format digital outputs. The CD-401 MKII comes standard with a fader start port and a pitch control with plus or minus 6% range. Technical specifications are broadcast standard with 18 bit, 4x oversampling, a precision three beam pick-up for accurate tracking, and Tascam's ZD "Zero Distortion" circuitry for a clean sound. Now is the time to step up to a Tascam CD-401 MKII and enter the world of broadcast gear without contracting sticker shock.

CD-401 MKII 60TECD401 MFR LIST \$999.00

Call Bradley for a current price quotation.



Accessory:

Wired remote control 61TERC401

MFR LIST

\$85.00

Tascam CD-301 CD Player

For professional quality and features on a budget, the CD-301 is an excellent choice. Tascam's ZD "Zero Distortion" circuitry and 18 bit, quadruple oversampling D/A converters assure excellent sound reproduction. Analog outputs are on balanced XLR and unbalanced RCA connectors, and rack mount ears are standard. Front panel controls are limited to the basics, with full programming available via the included, wired remote control. A special link function allows one unit to start another for sequence play. The single play feature stops the unit at the end of the selected track. For quality and value, the CD-301 is tough to beat.

CD-301 60TECD301 MFR LIST \$649.00

Call Bradley for a current price quotation.



Digital Audio Accessories

ATI Disc-Patcher

This unidirectional level and impedance interface is a popular choice for connecting a consumer compact disc player to a professional (600 ohm balanced, +4dBm) system. True transformer balanced, isolated, and protected outputs provide greater rejection of common mode interference, which is particularly important in high RF environments. The Disc-Patcher offers 102dB dynamic range, flat ± 0.25 dB 20Hz to 20kHz frequency response, and low 0.005% THD. A convenient Velcro mount is supplied.

60AIDP100 MFR LIST \$249.00

Accessory:

Rack Kit Holds one or two Disc-Patchers.

60AI20273 MFR LIST \$25.00

Call Bradley for a current price quotation.

Excalibur CD-1 & CD-2 Interface Amps

On everyone's list of the ten worst nuisances is interfacing semi-pro (-10dBV) to professional (+4dBm) equipment. Excalibur eases the pain with the CD-1, which amplifies one stereo source, and CD-2, which handles two. Inputs are on phono jacks; the barrier strip outputs are adjustable up to +22dBm. Frequency response is 10Hz to 25kHz ± 0.25 dB; THD is <0.006% and noise is >90dB below 4dBm. Guaranteed to work in the strongest RF fields.

CD-1 60EXCD1 \$99.00
 CD-2 60EXCD2 \$165.00

CD Jewel Boxes

These high quality replacement boxes are delivered quickly and at a great low price.

60EMJB 78¢

Purchase 25 or more for only 66¢ each

Denon Audio Technical CD

The 99 tracks on this CD include spot and sweep frequency tones and a variety of other signals to allow you to evaluate the THD, channel separation, and other playback characteristics of your CD player and other audio components in your facility.

60DETCDC \$19.95

Discwasher CD Cleaner

The computer designed gear drive system ensures true radial cleaning of the compact disc. The CD-1 cleaning fluid is specially formulated to remove debris from the compact disc safely.

61DICDC \$15.00

Accessories:

CD-1 Cleaning fluid refill and pads

61DICD1 \$6.95



Discwasher CD Lens Cleaner

This disc-shaped cleaner uses a dual wet/dry action to ensure thorough lens cleaning.

61DICDL2 \$21.95

Intraclean CD-121 CD Cleaning System

If the microscopic data encoded into a compact disc becomes soiled, the disc may not play properly. The CD-121 cleans discs using the radial movement (straight lines from the center out to the edge) recommended by disc manufacturers. The rotating cleaning mechanism, combined with the specially formulated cleaning fluid, can help to ensure long life for your valuable disc library.

60ICCD121 \$24.95

Accessories:

Package of three replacement pads

60ICCD122 \$9.95

Additional 1.5 ounce bottle CD-103 cleaning fluid

60ICCD103 \$6.95

Discwasher CD Polish

Removes minor scratches and blemishes from CD surfaces. Package includes CD-1 cleaner, CD-2 polish, six applicator swabs and four polishing wipes.

61DICD2 \$10.95

Henry TwinMatch

Hank knows you use more than one CD player, so he designed the TwinMatch to interface two consumer CD players into your professional level studio. Output level is up to +26dBm. Frequency response is DC to 20kHz ± 0.25 dB; THD is 0.008% at any level; and noise is 85dB below +4dBm. The metal chassis is RF proof, and every unit includes famous Henry reliability.

60HETM MFR LIST \$195.00

Call Bradley for a current price quotation.

Benchmark IFA-3 IHF-to-Pro Interface

When interfacing a consumer CD player, no one offers higher quality than Benchmark. The IFA-3 offers 26dB of gain, THD @2kHz of 0.0008%, 120dB dynamic range, and excellent RF immunity. Requires power supply.

IFA-3 Stereo IHF-to-Pro interface

60BMIFA3 MFR LIST \$155.00

Power Supply for IFA interfaces.

Handles up to 10 devices.

60BMPS1 MFR LIST \$35.00

Call Bradley for a current price quotation.

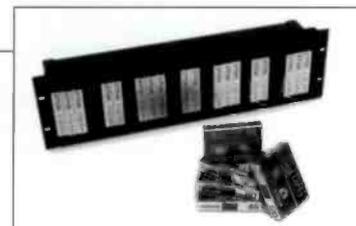
Rack holders pictured can be found in the Furnishings section.

DAT Tape

Digital Audio Tape

Length	Panasonic #	Price	Maxell #	Price
46 Minutes	61PARTR46P	\$6.69	61MXR46DM	\$6.95
60 Minutes	61PARTR60P	\$7.30	61MXR60DM	\$8.10
90 Minutes	61PARTR90P	\$8.80	61MXR90DM	\$9.75
120 Minutes	61PARTR120P	\$9.50	61MXR120DM	\$11.55

Geneva DAT Head Cleaning Tape 61NOPF390 \$29.00



Sony TCD-D7 DAT Walkman



Take DAT with you using the TCD-D7 DAT Walkman from Sony. This lightweight record/play machine weighs about a pound. It has built-in anti-shock features and can run for four hours on four "AA" cells, providing 20-22kHz audio at 48 and 44.1kHz; 32kHz is also supported. Standard DAT tapes give you two hours of the highest fidelity audio, or four hours in long-play mode. Digital volume limiting, automatic date function, and audible cue make the TCD-D7 functional for your field work.

TCD-D7 60SOTCDD7 MFR LIST \$699.95

Call Bradley for a current price quotation.



Sony MZ-1 MiniDisc Digital Recorder

The MZ-1 offers the random access advantages of the compact disc format, in a portable recorder. The new MiniDisc format allows you to record up to 74 minutes on a single 2 1/2" disc. Shock resistant memory resists up to 10 seconds of continuous shock or vibration, so it's great for news gathering efforts. Digital inputs and outputs allow you to offload your gathered audio quickly with no degradation of sound. A line or mic input and line or headphone output are provided. The MZ-1 utilizes a standard 44.1kHz sampling rate and the ATRAC data compression method to give you 20Hz to 20kHz frequency response. Measuring 4 1/2" x 1 1/8" x 5/8", and weighing only 1 1/2 lbs including the battery, the MZ-1 is portable enough to go anywhere. Supplied accessories include headphones, rechargeable Ni-cad battery, AC adapter, lithium battery, carrying case, one 60 minute recordable MiniDisc, and a stereo connecting cable.

Now the great MiniDisc technology is also available in a play-only version, the MZ-2P.

MZ-1 60SOMZ1 MFR LIST \$749.95
 MZ-2P 60SOMZ2P MFR LIST \$549.00

Accessories:

60 Minute Disc
 60SOMDW60 \$13.99

74 Minute Disc
 60SOMDW74 \$16.99

Optical Digital Cable
 60SOPCMZ1 \$34.95

Call Bradley for a current price quotation.



Sony NT-1 Scoopman Mini-DAT Recorder

When Sony sets out to miniaturize, they really go to town! The Scoopman is designed as the most portable digital tape recorder ever. It measures 4 1/2" x 1 1/8" x 2 1/4", weighs only 5.2 ounces, and boasts a frequency response of 10Hz to 14kHz. The remarkable mini-DAT tapes used in the Scoopman are no bigger than a large postage stamp.

Imagine being ready to get the story wherever you are, unburdened with traditional equipment. And if there isn't a story to be gotten immediately, relax and enjoy music that you previously recorded, with incredible fidelity. The Scoopman provides everything you need... power supply, line in/out adapter, one-point stereo condenser microphone, earset, case, and cables. The connectors are 1/8" TRS.

You can record up to two hours on a double-sided cassette (that's right, you can flip these tapes over... not typical in a helical scan mechanism) with a 32kHz sampling rate and a 2x oversampling rate. The Scoopman runs up to seven hours on an "AA" cell, making it an economical audio-capturing device. If high-quality audio in a very portable package is important to you or your job, you can't afford to be without the Scoopman.

Scoopman NT-1 60SONT1 MFR LIST \$995.00



Call Bradley for a current price quotation.

Accessories:

60 Minute NT Tape 60SONTC60 \$9.95
90 Minute NT Tape 60SONTC90 \$13.95
120 Minute NT Tape 60SONTC120 \$16.95
NT Cleaning Tape 60SONTC10CL \$14.95



Sony TCD-D10 Pro II Portable DAT Recorder

Sony has taken a great DAT recorder and made it even better. The TCD-D10 Pro II boasts both the incredible audio performance of DAT and a remarkably rugged transport. Absolute Time recording and playback provides an accurate time reference that can be translated to SMPTE time code. Four direct drive motors enhance reliability and provide great stability in extended use.

Mic/line inputs are balanced XLR, and a level attenuator, low cut filter, and peak limiter can be used with the mic inputs. Digital transfer is possible in both the AES/EBU and S/PDIF formats. The index and search features allow high speed search of your selections, and a wide variety of status information is available on the LCD front panel display. End search makes it easy to find the position of your last recording. Weight: 4 lbs. 7 ozs.

Bradley and Sony pack the TCD-D10 Pro II with two rechargeable battery packs, a battery recharger, an AC power supply, a pistol-grip type remote control, a carrying case with strap, and a complete manual.

TCD-D10 Pro II 60SOTCDD10PRO *MFR LIST* **\$3675.00**

Accessory:

Spare rechargeable battery 60SONP22H *MFR LIST* **\$50.00**

Call Bradley for a current price quotation.



JVC XD-P1 PRO Portable DAT



JVC has a fresh solution to the problems of portable DAT. The XD-P1 PRO is suitable for location recording, effects sampling, or serious news work. It's a modular recording package, all detachable, including an MS stereo mic with digital output and a rechargeable battery pack. Analog mic/line inputs are on minijacks, but note: when it's used together, the unit can be operated in one hand, with no cables to worry about. Or detach the mic and hold it with the included combo table-stand/pistol grip; a digital cable is provided.

The mic has its own preamp and A/D converter; used with its battery pack, its digital output will drive any S/PDIF device. Flip a switch and the mic changes from stereo to short shotgun mono. Low-cut and 20dB attenuation are provided.

The deck is durable, yet the package weighs less than 23 ounces. The XD-P1 DAT machine operates without the copy restrictions of SCMS, and it records and plays at all three standard sampling rates: 32, 44.1, and 48kHz. The unit includes battery and adapter/charger, microphone, windscreen, and pistol grip/stand. The rechargeable battery provides 2½ hours of recording time, three hours of play; a six-hour battery is available as an option.

XD-P1 PRO 60JVXDP1 **\$1849.00**

Spare standard battery 61JVXDPILPB **\$159.00**

Long play battery 61JVXDPIPB **\$269.00**

Call Bradley for a current price quotation.



Consider a stereo microphone for your portable DAT. See page 27.



Bradley ENG Mic Cables

These popular cables are designed to be used with portable DAT and cassette recorders, and will stand up to the rigors of field use. Straight cords are 6'; coiled cords extend to over 10'. Other flavors of XLR to XLR cables can be found in our Microphone section.

XLR female to 1/4" TS, straight cable	61WHENG4	\$12.00
XLR female to 1/8" TS mini, straight cable	61WHENG	\$12.00
XLR female to 1/4" TS, coiled cable	61WHENG2	\$28.00
XLR female to 1/8" TS mini, coiled cable	61WHENG3	\$28.00
XLR female to XLR male, coiled cable	61GCENG5	\$35.95
XLR female to XLR male, straight cable	61WHMK406	\$12.00



Marantz Portable Cassette Recorders

The **PMD 222** is our most popular portable cassette recorder. This three head mono deck includes a balanced XLR mic input for direct connection of your favorite professional microphone. Other features include: two-speed operation, auto-shutoff, four way power, VU meter, built-in electret condenser mic, cue and review, memory rewind/replay, and 1/4" TRS headphone jack. This lightweight, low profile package incorporates switchable limiter, built-in modular telephone jack, pitch control, automatic noise-control switch, and metal tape capability.

PMD 222 60MR222 \$309.00

The **PMD 221** contains all features of the PMD 222, but its mic input is 1/8" TS mini.

PMD 221 60MR221 \$289.00

The **PMD 201** is a two head version of the PMD221, minus memory rewind and play. Mic input is 1/8" TS mini.

PMD 201 60MR201 \$239.00

The **PMD 430** is a sophisticated Marantz stereo portable with dbx noise reduction. With three head performance, 6% pitch control, illuminated VU meters, limiter, Dolby B, and bias fine adjust, the PMD 430 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. Mic inputs are 1/4" TS and line inputs and outputs are RCA phono. Carrying case included.

PMD 430 60MR430 \$449.00

Accessories:

Vinyl carrying case for PMD 221 and 201 60MRCLC221 \$33.00

Porta-Brace deluxe case for all PMD recorders 60PBAR222 \$175.00

Ni-cad battery pack for all PMD recorders 60MRRBD430 \$66.00



Marantz PMD 101



If you like Marantz quality but your cash is extra tight, the brand-new PMD 101 could have been made just for you. It's a two-head mono portable with $\pm 20\%$ pitch control, tape counter, line input/ output RCA jacks, and a headphone jack. Use the built-in condenser or plug in your own mic with 1/4" connector. Tone control, low-battery LED, and two speeds are standard. Super for newsrooms on a tight budget.



PMD 101 60MR101 \$199.00

Bradley "Get The Story" Packs

With this complete ENG kit, you'll be prepared to "get the story" at a moment's notice. Choose a Marantz monaural recorder, and we'll put it together with the Shure VP64 hand held mic and a Bradley coiled ENG cable at a great low price.

Package 9404 with PMD 222	\$419.00
Package 9405 with PMD 221	\$389.00
Package 9406 with PMD 201	\$345.00

News gathering can get hectic. That's why Bradley has put it all together with these complete news gathering outfits. Be prepared to get the story first!



Bradley "Bring It Back" Packs

Monaural Package

This package includes the rugged Marantz PMD 222 three head cassette recorder with vinyl case, a top-of-the-line Beyer M58 mic with windscreen and clip, Sennheiser HD320 headphones, a coiled ENG cable, a 25' XLR to XLR cable with Cord-Lox, a 16" Rubberneck gooseneck, and a Rowi clamp.

Valued at over \$900.00.



Package 9407 \$678.00

Stereo Package

The Audio-Technica AT822 stereo mic and the Marantz PMD 430 three head stereo cassette deck are at the heart of this package. Also included are a windscreen and adapter cables for the mic, a case for the recorder, and a 25' XLR to XLR cable with Cord-Lox.

Valued at over \$940.00.



Package 9408 \$719.00

Sony Portable Cassette Recorders

Sony M607V Pressman

This microcassette machine uses a smaller analog tape and is intended for convenient voice recording, with frequency response of 250-4000Hz. Take one anywhere you might need to record your thoughts or capture someone else on tape. The M-607V weighs less than six ounces and can operate for up to 18 hours on two "AA" cells.

A cue function plays the tape at 20% faster speed to let you find your spot on the tape quickly. The mic is built-in, or you can plug in your own with a mini jack. A counter, battery LED, and auto shut-off are standard. This model features voice operated recording; it activates the recording function only when audio is present. Other Sony micro-cassettes are also available from Bradley.



M607V 60SOM607V \$49.95

Sony Microcassettes, 10 pack, 30 min./side
60SOMB60BMA \$25.00

Sony TCM-5000EV Pressman Cassette

Sony built this portable cassette recorder with the working journalist in mind. The 5000EV is a mono three-head machine with built-in monitor and sophisticated voice activated recording system. Through the use of a clever Bucket Brigade Device delay, the machine will, when in the voice activated (VOX) mode, hold back the audio material until the motors get up to speed. The result is gapless VOX operation. Other features include one touch recording, a -20% to +40% pitch control, instant edit mode, one touch review, complete auto shutoff at the end of the tape, locking pause control, accurate VU meter/battery life indicator, three digit tape counter, built-in condenser mic, and earphone jack. Mic input is 1/8" mini TS. Four alkaline "C" cells will provide about 20 hours of recording.

TCM-5000EV 60SOTCM5000EV \$429.00

Sony TC-D5 Pro II Portable Stereo Cassette Recorder

The stereo TC-D5 Pro II has been a portable, high quality stereo cassette standard for years. The mic inputs are female XLR connectors, line outputs are RCA, and the headphone output is 1/4" TRS. Powering is by battery, the optional AC supply, or external 6 or 12VDC. Frequency response is excellent with standard cassettes, and Dolby B provides a 6dB improvement in signal/noise ratio. Lighted VU meters, battery check button, and record limiter are other desirable features.

TC-D5ProII 60SOTCD5 \$889.00

Accessories:

Porta-Brace deluxe case 60PBARD5 \$175.00

Also available:

TC-D5M has all of the features of the Pro II with the exception of the mic inputs, which are 1/4" TS.

TC-D5M 60SOTCD5M \$646.00

Accessory:

AC adapter 60SOACD4L \$32.95

Call Bradley for a current price quotation.



Shure FP410 Automatic Mixer

Using multiple open mics can be a hassle. You can try to ride gain, but even the fastest fingers can't keep pace with a lively conversation. The Shure FP410 with IntelliMix gives you flawless "hands-off" automatic performance. Within four milliseconds of the moment a new talker begins, the FP410 silently activates the appropriate mic.

Noise-Adaptive Threshold distinguishes between constant background noise and rapidly changing sound such as speech. MaxBus assures that one talker will only activate one microphone. And when the talker stops, Last Mic Lock-On keeps that mic on until a new one is activated. Features include four transformer balanced mic/line inputs, dual XLR outputs, switchable phantom power, linking



capabilities for up to 25 mixers, 9V battery/AC operation, and limiter.

FP-410 60SHFP410 MFR LIST \$1595.00

Accessory:

Porta-Brace deluxe carrying case 60PBMX410 MFR LIST \$50.00

Call Bradley for a current price quotation.

Shure Mixers

(1) **FP42** provides the features of the industry standard M267A (below), plus stereo capability and more. Four balanced mic/line inputs with pan pots are provided. Each channel provides phantom power, and cue audio is routed to the stereo headphone jacks when a channel control pot is pulled out. It can operate for eight hours continuously on three 9V alkaline batteries. Front panel controls include mono/stereo switch, tone oscillator, limiter on/off, and headphone level control.

FP42 60SHFP42 MFR LIST \$1050.00

(2) **M267A** is a compact, lightweight, four-input professional microphone mixer that offers excellent performance and capabilities. Features include peak program limiter, phantom mic power, built-in battery pack, LED power indicator, automatic muting circuit, active gain controls, electronic power supply regulation, powerful headphone amp, and front panel headphone jack with level control. Both mic and line level outputs are provided. Also featured are transformer balanced inputs and outputs, mix bus connection, low cut filters, and low RFI and noise susceptibility.

M267A 60SHM267 MFR LIST \$535.00

Also available:

M268 five input microphone mixer features four transformer balanced mic inputs with phantom power, an auxiliary line input, and a master volume control. Connecting the M268 with the M267A via the latter's mix bus effectively creates a nine input mic mixer. The M268 can also be used to expand inputs on other existing equipment.

M268 60SHM268 MFR LIST \$325.00

M68FCA is a practical device for increasing the flexibility of systems requiring multiple mic inputs. The M68FCA features four mic inputs, Lo-Z or Hi-Z, plus one high level auxiliary input. Both mic and line level outputs are provided.

M68FCA 60SHM68FC MFR LIST \$245.00

(3) **FP16A** is a 1x6 distribution amplifier which will accept a mic or line input and feed any combination of six mic or line outputs. Line in and out jacks allow ganging units together for additional output capability or inserting processing. Phantom power is available, and the entire unit may be operated at +4dBm output in continuous use for up to 20 hours on three 9V batteries. The battery supply also automatically cuts in if normal AC power fails. Inputs/outputs are XLR and link jacks are 1/4" TS. The FP16A is ideal for remote functions, news conferences, ENG applications, or any place where multiple mic/line outputs are needed.

FP16A 60SHFP16 MFR LIST \$595.00

Accessories:

Rack mount kit for M267 & M268 61SHA268R MFR LIST \$30.00

Rack mount kit for M68FC 61SHA68R MFR LIST \$30.00

Rack mount kit for FP42 and FP16A. 60SHA16R MFR LIST \$32.00

Call Bradley for a current price quotation.



Shure FP22 Stereo Headphone Amp



This 16-ounce unit is a new standard in headphone amplification, providing stereo monitoring. The "Stereo+1" feature allows a mono signal and a stereo signal to be mixed any way the user wishes (with either or both signals in either or both ears). It's also 16dB quieter than its predecessor, the FP12. Loop-through bridging lets you chain units together. An attached belt clip lets you set it and forget it. XLR and phone jack connectors are used. Power is from one 9V battery or 12-24VDC.

FP22 60SHFP22 MFR LIST \$375.00



Shure FP11 Mic/Line Amp

This compact, battery operated mic-to-line amplifier provides gain of up to 84dB, adjustable in 6dB steps. The unit has both a balanced XLR mic level input and a 1/8" TS mini 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. A very smooth switchable peak limiter and belt clip are included in this rugged, dependable unit. Powered by a single 9V battery.

FP11 60SHFP11 MFR LIST \$290.00

Call Bradley for a current price quotation.

U.S. Audio MIX-5 Mixer

There is always a need for a convenient, quality small mixer. U.S. Audio's MIX-5 fits the bill perfectly as a single space, rack mountable five input mixer available in mono and stereo output versions. The first four inputs offer balanced XLR microphone and high impedance 1/4" TS line level connectors, and a stereo auxiliary input (summed on the mono version) is in the last position. Includes a ten segment LED level indicator.



Mono output	60WHMIX5	MFR LIST	\$399.00
Stereo output	60WHMIX5S	MFR LIST	\$499.00

Call Bradley for a current price quotation.

Shure FP32 & FP32A Stereo Mixers

FP32: 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 slate mic and tone feature, plus built-in simplex or AB phantom powering. Two illuminated VU meters plus battery check switch are provided, along with carry case and shoulder strap.

FP32A: Never a company to leave well enough alone, Shure has introduced an improved portable stereo mixer with a 30dB reduction in self-noise, so it's more compatible with today's high-quality digital equipment. We like it for critical field work. Other improvements: a dynamic range of over 100 dB; LED indicators for input levels, limiters, and low battery; recessed panpots to prevent accidental movement; and three kinds of phantom power for each input, including 48V. Standard features include three inputs, two outputs, and cable to connect two mixers. Uses two 9V batteries.

FP32	60SHFP32		
	MFR LIST	\$1295.00	



FP32A	60SHFP32A		
	MFR LIST	\$1795.00	



Call Bradley for a current price quotation.

Zercom MAX-Z II Remote Console

MAX-Z II is an elegant unit for remote broadcast situations. Its basic features include two mic/line inputs (one switchable to cue), plus 1/8" TS tape input, two headset outputs, and 24 hours continuous duty on one battery charge. Front panel indicators display battery and AC status, power on, line active, cue active, and VU indications. A tone/pulse touch pad features last number recall. Weighing only six pounds, this compact unit comes complete with carrying case so it is road-ready for your remote requirements.

MAX-Z II	60ZEMAXZII	MFR LIST	\$600.00
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Also available:

MAX-Z includes four mic/line inputs with front panel level controls and rear panel trim pots, clock with set controls, and timer. Buttons are provided for channels 3 and 4 which divert audio to the cue bus for "spotters" or other cueing needs. The complete MAX-Z system includes a custom carrying case, built-in rechargeable battery, and 110/220VAC operation. Size: 13" x 17" x 5"; weight: 15 lbs.

MAX-Z	60ZEMAXZ	MFR LIST	\$1095.00
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Call Bradley for a current price quotation.

**Special
Zercom
"Game of
the Week"
Packages**



Get a Zercom remote console with carrying case and two Beyer DT109 headsets with straight cables and connectors at a very special price. Put together your own combination by calling or faxing us today.

Valued at \$1424.70	Max-Z II Package 9409	\$1085.00
Valued at \$1899.70	Max-Z Package 9410	\$1545.00

Whirlwind Medusa Press Boxes

Press conferences require a single audio source with multiple feeds so that each journalist can record the proceedings independently. These passive press boxes take a single incoming line-level signal and provide multiple mic level, 150 ohm output feeds from it. Designed to hold up under severe treatment, their cold-rolled steel boxes house state-of-the-art Whirlwind transformers and components which ensure flawless performance year after year.

6 Channel	61WHPB06	\$180.00
12 Channel	61WHPB12	\$312.00
16 Channel	61WHPB16	\$442.00
24 Channel	61WHPB24	\$655.00



Whirlwind Presspower Active Press Box

This innovative press distribution box has presidential features at a school board price. All inputs and outputs are transformer isolated and appear on XLR connectors. Both inputs accept mic or line levels and have low cut filters. A VU meter and a headphone jack with volume control allow easy monitoring of the input level. Sixteen outputs are provided, so you are well prepared for the crowd.

Twelve outputs are mic level fixed at -50dB, available on XLR or 1/8" connectors, two are line level fixed at 0dB, and two are line level with individual level controls. The variable outputs also appear on 1/4" TRS connectors. A 1kHz tone can be sent to all outputs so everyone can set their levels properly. This press box can be powered by four 9V batteries or AC. It is supplied with a carrying case or it may be rack mounted. With the Whirlwind Active Press Box, you can get your favorite politician out from behind a forest of microphones so you can look him/her right in the eyes.



Presspower 61WHPP \$1695.00

Cellabs Linejack II

Remote broadcasts from ANYWHERE are as simple as having a cellular phone. With the Linejack II Cellular Broadcast Interface, you can use your choice of mixers, microphones, and tape machines.



A transformer isolated XLR input switchable between line (0dB) and mic (-50dBm) is provided, as is a transformer isolated XLR output. A special jack lets you plug in an external tuner to monitor your broadcast, sending the output to the provided headphone jack. The Linejack II also gives you trim pots for input and output, and a switch to select between the cellular handset or the unit (cellular keypad is always active for dial-up). With Cellabs interfaces, you can easily create your own remote solutions using a cellular phone as your two-way link.

A cellular phone adapter cable, available for most cellular phones, is required at extra cost.

Linejack II 60CZLJ MFR LIST \$245.00

Call Bradley for a current price quotation.

Cellabs Datajack

Imagine the power of being able to send a fax or plug your laptop computer's modem into your cellular phone.



Cellabs' Datajack lets you do all of these. A standard RJ-11C telephone jack means compatibility with all standard fax machines and modems. A cellular phone adapter cable, available for most cellular phones, is required at extra cost.

Datajack 60CZDJ MFR LIST \$144.00

Call Bradley for a current price quotation.

Gentner EFT Series Frequency Extenders

Those who enjoy the challenge of getting the phone company to install a loop may find the EFT series useful. The other 99% of us will find it essential. The EFT encoding and processing systems can produce respectable remote audio using a single dial-up phone line. Using a 250Hz 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" and natural character to the audio. Hum and noise, generally added to the phone transmission in the lower frequencies, all but vanish when the signal is decoded.

The EFT's onboard Apex enhancement convincingly simulates much of the high frequency information lost in the circuit. Units can be set up for single or bidirectional frequency extension. Each unit provides both encoding and decoding functions. A pair of units is required for operation.

Three models are offered. The basic EFT-100 requires the use of a telephone hybrid to properly couple to the phone line. The EFT-900A includes the required hybrid and adds a front panel headphone jack for monitoring. The EFT-1000A adds auto-answer and auto-disconnect features. A DTMF tone may be used to



have EFT-1000A units "handshake" to ensure correct encoding/decoding status. EFT models are compatible, so you can use an EFT-100 at the studio where you already have a hybrid and take one of the other models into the field.

EFT100 60GEEFT100 MFR LIST \$649.00
 EFT900A 60GEEFT900 MFR LIST \$939.00
 EFT1000A 60GEEFT1000 MFR LIST \$1469.00

Call Bradley for a current price quotation.



Comrex Single & Multi Line Frequency Extenders

Comrex frequency extension is an encode/decode system that upgrades telephone lines to broadcast quality. One line systems encode the audio by shifting all frequencies up by 250Hz. At the decode end, frequencies are downshifted 250Hz to restore 2½ octaves of program energy to the low end. In the two line system, 2500 to 5000Hz audio is shifted to the passband of the second phone line and then restored at the decoder. The result is a full 5kHz of program audio.

Single line encoding is accomplished with either the LXT Basic extender or the PLXmicro portable extender. The LXT includes a built-in coupler for direct connection to the phone line. The PLXmicro is battery operated and connects to standard dial lines and to cellular telephones with the Cellabs Linejack II (sold separately). At the studio end, use the LXR decoder.

The compact 2XP two line encoder includes couplers for both program lines and a communications line. The 2XR two line decoder requires either two couplers or the 2XL auto leveler for connection to phone lines.

Also available: the multiline 3XP encoder and 3XR decoder, providing one line (50Hz to 3kHz), two line (50Hz to 5kHz), and three line (50Hz to 8kHz) operation.

LXT one line encoder	60CCCLXT	MFR LIST	\$750.00
PLXmicro portable one line encoder	60CCPLX	MFR LIST	\$1450.00
LXR one line decoder	60CCCLXR	MFR LIST	\$750.00
2XP two line encoder	60CC2XP	MFR LIST	\$3500.00
2XR two line decoder	60CC2XR	MFR LIST	\$3000.00
3XP encoder	60CC3XP	MFR LIST	\$5000.00
3XR decoder	60CC3XR	MFR LIST	\$4000.00



Accessories:

Rack mount for LXT or LXR	60CCRA	MFR LIST	\$40.00
AC adapter for PLXmicro	60CCPLXAC	MFR LIST	\$85.00
Case for 2XP/3XP	60CCXPC	MFR LIST	\$175.00
2XL Auto Leveler for 2XR	60CC2XL	MFR LIST	\$1950.00
<i>(Includes two built-in, auto-answer couplers. Matches the two telephone lines to equal levels when the test tone is sent from the 2XP.)</i>			
Cellabs Linejack II	60CZLJ	MFR LIST	\$245.00

Call Bradley for a current price quotation.

Comrex Digital Audio Codecs



Comrex Codecs employ DSP technology to obtain studio quality audio on the widely available digital telephone services such as Switched 56 and ISDN. Comrex specializes in remote broadcast audio transmission, and their range of digital audio codecs is a natural extension of that specialty.

DXP and DXR — These G.722 codecs are ideal for excellent quality voice transmission. They produce 7.5kHz, bi-directional audio on a single 56 or 64kbps circuit. The compression used has a low 4:1 ratio, resulting in very low delay. This can be a significant factor for live program because "mix-minus" audio can be sent in real time over the reverse channel of the same digital circuit. Also, the G.722 algorithm that these codecs use is an international telephony standard, and as such will "talk" with other codecs using this standard.

The DXP is a portable unit with built-in AC supply, headphone output, and selectable mic/line input. The DXR is a rack mount unit with balanced line level input and output. Together they provide a low-cost alternative to satellite feeds or dedicated circuits.

DX100 — The DX100 uses a fixed 4:1 compression to provide varying bandwidth, depending on the data rate used. For example, it allows full bandwidth (15kHz) mono audio on a data channel of 128kbps or wideband stereo at a data rate of 256kbps. Apt-X is a popular, low-noise, low-delay audio coding scheme that is considered more "benign" to audio problems that can occur from transcoding and post-processing than codecs using perceptual data compression methods, such as ISO/MPEG Layers II & III.

The DX-100 has a built-in Inverse Multiplexer (IMUX) which adds the data rate of two independent 56 or 64kbps data channels. The IMUX may be configured for IN (for ISDN or Switched 56 operation) or OUT (for satellite, wireless modem, or fractional T1 applications). The DX-100 comes in a single-space, rackable chassis with balanced I/O on XLR connectors; data ports are V.35.



Comrex DX100	60CCDX100	MFR LIST	\$3000.00
Comrex DXP	60CCDXP	MFR LIST	\$2395.00
Comrex DXR	60CCDXR	MFR LIST	\$1995.00

Call Bradley for a current price quotation.



Comrex MusicLine Codex



The Comrex MusicLine digital audio compression devices use ISO/MPEG Layer II audio coding, which allows transmission of full bandwidth stereo audio, 15kHz or more, along digital transmission paths of 112kbps or more. This lets a broadcaster, recording studio, or music service transmit high quality stereo audio using a Basic Rate ISDN phone line or a pair of Switched 56 lines, or mono (10kHz) audio on a single SW56 or 64kbps link. Compare to the cost of running traditional equalized phone lines!

The **DX200 Encoder/Decoder** is contained in a single space rack-mount chassis with built-in AC power supply. Parameters such as bandwidth and data rate are set with internal jumpers. Audio I/O is on balanced XLR connections. If configured for "auto" mode, the unit will adapt between 56 and 64kbps, or between 2x56 and 2x64kbps operation. For portable operation, order the **DX210**, housed in a rugged road chassis, with dip switch settings accessible on the rear panel.

The **DX220 Decoder** utilizes only the incoming data on your digital channel(s) and leaves the outgoing data free to use for other purposes. This rack-mount unit is a good money saver for applications such as distribution and one-way feeds.

The **DX230 Encoder/Decoder Plus** is the ultimate MusicLine codec, with all of the capabilities of the DX200 and some important extras. All settings are easily made and checked on a front-panel display. Scrolling menus allow status readings and loopback capability to be checked "on the fly." An auxiliary data port allows simultaneous communication via a terminal or PC. An optional AES/EBU interface is available for the DX-230; call for pricing.

DX200 Encoder/Decoder	60CCDX200	MFR LIST	\$3500.00
DX210 Portable Encoder/Decoder	60CCDX210	MFR LIST	\$3700.00
DX220 Decoder	60CCDX220	MFR LIST	\$1500.00
DX230 Encoder/Decoder Plus	60CCDX230	MFR LIST	\$5500.00

Call Bradley for a current price quotation.

Telos Zephyr Digital Transceiver



Zephyr will change the way you think about remote broadcasts. No longer will you be constrained by high cost and complicated equipment. Utilizing Integrated Services Digital Network (ISDN) telephone lines and sophisticated digital audio compression technology, Telos makes setting up a remote as easy as sending a fax.

Zephyr is capable of transmitting broadcast quality audio virtually anywhere in the world for about the same price as an ordinary voice call. It is the ideal solution for remote broadcasts, ad hoc networks, backup to microwave and satellite links, and many other applications.

Each ISDN line has two 64kbps channels and one 16kbps channel on a single copper pair. Zephyr, on just one ISDN line, provides bidirectional, 15kHz stereo plus ancillary data transmission. To compress the program audio signal for transmission, Zephyr uses ISO/MPEG Layer-III coding. Several international listening tests have demonstrated Layer-III's superior performance at data rates of 64kbps or less per channel.

- Each unit can serve as either a transmitter or receiver.
- 15kHz stereo, duplex audio can be sent on a single dial-up ISDN line or two Switched 56 lines using Layer-III coding.
- 7.5kHz transmission using G.722 is included for transmission to and from installed codecs.
- 2400 baud RS-232 bidirectional data allows communications and control.
- Four "end-to-end" parallel contact closures are provided for summary alarm and control of recorders and other devices.
- The ISDN terminal adapter is built-in; no separate boxes are needed.
- V.35/X.21 port allows Zephyr to be connected to one or two Switched 56 lines. (External CSU/DSU required for Switched 56.) This port also provides compatibility with spread spectrum wireless modems, satellite links, and other data paths.
- Full metering, analog audio limiting, and straightforward controls make operation easy.

Zephyr has three transmission modes:

- * **Stereo mode**, with either bi-directional, full duplex stereo at 15kHz for maximum fidelity, or 15kHz stereo transmission and stereo 7.5kHz return for reduced end-to-end delay;
- * **Dual-Mono mode**, with bi-directional, full duplex dual-mono at 15kHz, or dual-mono 15kHz stereo transmission and dual-mono 7.5kHz return, or dual-mono 7.5kHz transmission and return for compatibility;
- * **Split-channel mode**, allowing you to send individual mono signals to separate sites. Choose between 15kHz Layer-III or 7.5kHz G.722 on transmit and return paths.

Zephyr (mono transmit)	60TSZ9100	MFR LIST	\$3980.00
Zephyr (stereo transmit)	60TSZ9200	MFR LIST	\$4980.00

Call Bradley for a current price quotation.



INC Switched 56 kbps CSU/DSU Products

Switched 56 Digital Services are rapidly becoming the standard for transmission of point-to-point audio for broadcast, replacing traditionally used analog audio services. There are several reasons for this change. Switched 56 offers 7.5 kHz bidirectional simultaneous audio capability, when used with Comrex DXP/DXR codecs. Bidirectional capability eliminates the need for separate cueing facilities, and network use costs are based on per-use charges, once the initial service connection to your local CO has been made. Switched 56 service is available in over 97% of the United States, and also internationally via all major inter-exchange carriers (AT&T, MCI, Sprint, etc.).

Integrated Network Corporation is the leader in Switched 56 interconnect products for the data communication and audio industries. With a full line of compatible CSU/DSU products, INC can assist the Switched 56 user with interface products which are interoperable across the switched digital network. Each INC CSU/DSU offers full diagnostic and control capability, keypads and LCD display for easy control of call and network status, and end-to-end test capability of any two units, regardless of intermixed two and four wire switched service.

Bradley and INC offer assistance with the inception and maintenance of your Switched 56 application. We can help you contact personnel within your local telco to acquire and connect to the Switched 56 service offered in your area.

Products listed are in desktop format. Call Bradley for information on single and double rack mount versions, and for a current price quotation.



CM1056S CSU/DSU: Entry level unit, single network port for either switched or dedicated service, four wire interconnect.

60NCCM1056S MFR LIST \$1095.00

CM1056 CSU/DSU: Two Network ports, one switched, one dedicated, with built in A/B switch, four wire interconnect.

60NCCM1056 MFR LIST \$1950.00

CM1056DP CSU/DSU: For two-wire Switched 56 Digital Service.

60NCCM1056DP MFR LIST \$1395.00

Gentner Microtel

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 one. 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 and turns your telephone into a complete remote mixer. Inputs are provided for a mic (XLR) and an aux (1/8" TS mini). An additional input allows you to feed the headphone bus with IFB or air monitor. Outputs are provided for headset (1/4" TRS) and high-level (1/8" TS mini), as well as an auxiliary feed jack for tape machines or dedicated loops.

Microtel 60GEMICRO MFR LIST \$259.00

Accessory:

AC adapter 60GEXFMR MFR LIST \$29.00

Call Bradley for a current price quotation.



Sound America Voice-Act V • Sound America R/SVP • Shure 50AC Coupler

Voice-Act V makes it possible to transmit any electronic audio material by telephone. This device screws in place of your phone transmitter, and doesn't interfere with its normal phone operations. The Voice Act V requires no batteries since it operates from the phone line. A two position mike sensitivity switch and a 1/8" TS mini-jack input for a tape recorder allow you to feed just the tape or a mix of the tape and your voice.



For GTE phones 60SAVAGTE \$99.95

For Western Electric phones 60SAVAWE \$94.95

Accessories:

Carry case 60SAVACC \$9.95

Patch cord to connect tape recorder. 6'

1/8" TS - 1/8" TS 60SAPCM \$3.50

1/4" - 1/8" TS 60SAPCQ \$4.00

R/SVP (Record or Send Verywell Phone) is a standard 2500 Series Touchtone phone with a built in audio coupler. The panel provided on the phone base has both send and receive mini-jacks. A dual mic sensitivity switch also allows the mic to be muted while feeding a tape, and voice through the phone receiver can be mixed with the tape source.



R/SVP 60SARSVP \$139.00

Shure 50AC is designed to acoustically couple the output of your tape recorder 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.



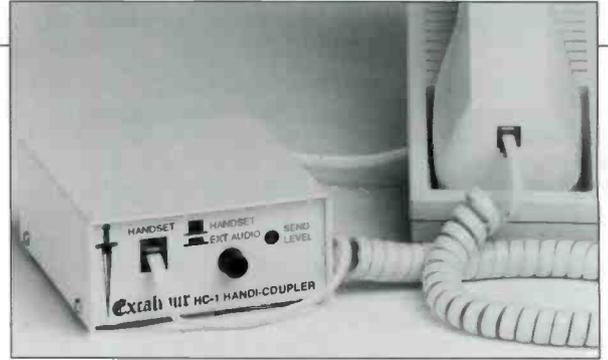
50AC 60SH50AC \$47.00

Excalibur HC-1 Handi-Coupler

The HC-1 Handi-Coupler gives you the simplest, quickest, most convenient way to connect audio to a telephone. The HC-1 connects in series with the handset of any telephone using modular connectors. Since a connection to the telephone line is not required, the HC-1 can be used with almost any telephone, single or multi-line, modern electronic or older key systems. Pressing the front panel button disconnects the handset and connects the external audio in/out jacks to the telephone. Releasing the button reconnects the handset, allowing normal use of the phone. External audio is connected via separate in and out jacks. Both inputs and outputs are 1/4" TRS jacks wired so that you may connect either balanced or unbalanced connectors into them.

The Handi-Coupler is ideal for use in many locations around the station: on-air, production, the newsroom, the sales office, and so on. Its low price lets you put an HC-1 everywhere one is needed.

HC-1 60EXHC1 \$99.00



Porta Brace Run Bags

When you need to grab your gear and run, you need the Run Bag from Porta-Brace. Compared with most bags, the Run Bag holds more, is much sturdier, and can be loaded in more practical ways without dumping one thing on top of another. It's made from rugged blue Cordura with leather handles and shoulder strap. The Run Bag has just enough foam padding to keep its shape and protect your gear while remaining flexible. The full length zipper allows the bag to open flat. The main compartment has two dividers allowing you to create up to three compartments. The main compartment is approximately 7" wide and 9 1/2" high, and three lengths are available. Zippered side compartments and a slip pocket add even more convenient storage.

18" length	60PBRB1	<i>MFR LIST</i>	\$125.00
21" length	60PBRB2	<i>MFR LIST</i>	\$130.00
25" length	60PBRB3	<i>MFR LIST</i>	\$135.00

Call Bradley for a current price quotation.



Porta Brace Audio Organizer

You can jump from one job to another with the Audio Organizer, a convenient way to carry and connect equipment without constant packing and unpacking. You can carry a mixer, wireless mic, headphone, shotgun mic, fishpole, hand-held mic, and cables. Organize your gear and leave it in place; you can access the connectors through the top or side openings. Adjustable dividers let you organize things your way.

The Audio Organizer measures 6"W x 8"H x 14"L and includes shoulder strap and video belt.

Porta Brace Audio Organizer 60PBA01 \$187.00

Contact your Bradley professional for pricing and information on the full line of Porta Brace video and audio cases for field production.



SKB Rack Mount Cases

Constructed of polyethylene with welded frames, these racks are extremely durable with less than half the weight of comparable wooden racks. The draw-tight latch front and rear covers are gasket sealed to keep out moisture and dirt. Structural rigidity is built-in, so that your equipment takes less abuse in travel. These racks meet Airline Transport Association (ATA) specs and are manufactured in the USA by SKB.

Rack mount cases have removable front and rear covers and front mounting rails. Inside depth is 15" without covers, 17" with covers. Cases have two carrying handles and can be stacked.

2 space	77SK192	\$75.00	8 space	77SK198	\$120.00
4 space	77SK194	\$85.00	10 space	77SK1910	\$135.00
6 space	77SK196	\$95.00	12 space	77SK1912	\$150.00

Also available:

Need a case to stash those odds and ends? The SKB-1713 is the answer. It offers the same rugged construction, but is carried brief-case style. Top lid is hinged at the back. 17" x 13" x 12".



Utility case 77SK1713 **\$ 69.00**

Kaces III Equipment Cases

Kaces III and Bradley present gig bags for carrying electronics, with sturdy web handles, tear-resistant nylon, thick padding, heavy-duty zippers, and lots of room for microphones, cables, and notepads. For the Mackie 1202, order the KEB22; for Marantz PMD cassette decks, choose the KEB20. Bags for other products are available; give Bradley a call for more info.

Kaces KEB22 Gig Bag	40KEKEB22	\$22.50
Kaces KEB20 Gig Bag	40KEKEB20	\$22.50



Anvil Equipment and Rack Mount Cases

Bradley and Anvil can provide rugged, dependable protection for your recorders, mixers, cameras, A/V gear, and everything else you must transport. When you are shipping equipment or checking it as baggage, Anvil ATA cases are your best choice.

Anvil has templates for thousands of pieces of equipment and custom case requirements can be quoted from your faxed drawing.

Several styles of ATA cases are available for your rack mounting equipment. In addition to the styles listed below, cases can be built to any depth and can include rear rack rails, several styles of casters, locking hasps, stacking corners, and other options.

Standard cases are 14" or 18" front to back rackable depth, and lids leave 2" of additional interior room. Available in 1/4", 3/8", and 1/2" construction. 14" deep racks are available in sizes up to 17 spaces, 18" deep up to 27 spaces.

Shock mounted cases have a 1/4" thick shell surrounded by 2" of foam and can be made up to 27 spaces tall. The outer shell can be 1/4", 3/8", or 1/2"

construction. 18" rackable depth; 25" with lids.

AIR racks use shock isolators to control impact and vibration. They are 30% lighter than conventional foam isolated racks and offer maximum protection for your most delicate equipment. Front and rear rack rails are provided. Available with 1/2" or 3/8" outer shell and 18" or 24" rackable depth.

Anvil cases are provided in blue unless one of the dozens of available colors is specified.

Accessories:

Heavy duty casters	77ANHDC	\$99.00
H. D. casters w/2-locking	77ANHDC2	\$129.00
Rear rack rails (per rack space)	77ANRR	\$2.25
Hasp/Twist-Latch to replace standard Twist-Latch.		
Allows use of padlock. Four recommended per case.		
	77ANTLHL	\$18.82 ea

Size	Shallow case 14" deep, 1/4" shell	Standard case 18" deep, 1/4" shell	Shock Mounted case 18" deep, 1/4" shell	AIR case 18" depth, 3/8" shell
2 Space (3 1/2")	77AN021414 \$218.00	<i>Not available</i>	77ANSM021814 \$392.00	<i>Not available</i>
4 Space (7")	77AN041414 \$236.00	77AN041814 \$306.00	77ANSM041814 \$412.00	<i>Not available</i>
6 Space (10 1/2")	77AN061414 \$247.00	77AN061814 \$319.00	77ANSM061814 \$430.00	<i>Not available</i>
8 Space (14")	77AN081414 \$258.00	77AN081814 \$333.00	77ANSM081814 \$449.00	77ANAIR81838 \$685.00
10 Space (17 1/2")	77AN101414 \$269.00	77AN101814 \$346.00	77ANSM101814 \$468.00	77ANAIR101838 \$696.00
12 Space (21")	77AN121414 \$280.00	77AN121814 \$359.00	77ANSM121814 \$487.00	77ANAIR121838 \$709.00
14 Space (24 1/2")	77AN141414 \$303.00	77AN141814 \$387.00	77ANSM141814 \$510.00	<i>Not available</i>
16 Space (28")	77AN161414 \$314.00	77AN161814 \$402.00	77ANSM161814 \$529.00	<i>Not available</i>

Headsets

(1) Sennheiser HMD 224X

The HMD 224X 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 off to the side of the mouth, and results in one of the most natural sounding headset mics available. Extremely rugged, the HMD 224X weighs under one pound.

60SNHMD224 \$245.00

(2) Shure SM2

The SM2 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, ensures 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. The cable is detachable for quick and easy changes between mono, stereo, or split feed headphone functions. Supplied with cable and windscreens.



60SHSM2 \$165.00

3) Beyerdynamic DT 109 and DT 108

Beyerdynamic moving-coil microphone/headphone combos are well-suited to both remote and studio use. Lightweight and comfortable, the headphone has extended response and is virtually impossible to overload. The wide frequency response of the noise-cancelling mic results in rich, clear transmission.



The rugged headphones are 400 ohms and the mic is 200 ohms; other impedances are available. Straight cable included; coiled cable available at an extra cost. The DT-109 is a dual-earmuff model; the DT-108 has one earpiece.

Windscreens and balanced mic versions are available for both models.

DT-109 60BE422045 \$205.00
DT-108 60BE421790 \$169.00
Coiled Cable 60BE198900 \$32.00

Please Note: All headset cables require user-installed connectors.

Most orders for field production are shipped within 24 hours.



Sennheiser Electret Mic System NEW

With this rugged system, a single K6 module plus a few interchangeable capsules provide the user with flexibility that would otherwise require a number of individual mics. It converts quickly by simply threading together the components. All capsules use back-electret technology. The K6 powering module runs on a single "AA" cell or 12-45V phantom, and includes bass rolloff switch (-11dB); its output is balanced, low-impedance (200 ohms) and terminates in a 3-pin XLR. Black finish.

Powering Modules:

K6 (phantom and "AA") 60SNK6 \$255.00
K6P (phantom power only, no on/off switch) 60SNK6P \$255.00

Mic Capsules:

ME62 Omni without proximity effect, good for interviews. 20-20kHz. 60SNME62 \$159.00
ME64 Cardioid, tight pattern, high gain before feedback. 50-20kHz. 60SNME64 \$190.00
ME66 Short Shotgun combines supercardioid at low frequencies plus shotgun above 2000Hz. Excellent for ENG/EFP or podium use. 50-20kHz. 60SNME66 \$269.00
MKE2-60 Omni Lavalier, less than 1/4" diameter, popular for broadcast or clip-on instrument use. 20-20kHz. 60SNMKE260 \$285.00
MKE102-60 Omni Lavalier, low noise and high SPL, exchangeable capsule to allow different cables to be used with straight or right-angle connectors. 40-20kHz. 60SNMKE10260 \$275.00
MKE40-60 Cardioid Lavalier, for isolation from ambient noise or increased gain before feedback. Swivel mount for easy positioning. 40-20kHz. 60SNMKE4060 \$330.00

Also available: ME65 and ME67. Call for more information!

Note: K3 series mics do not interchange with the new K6 models.

Light Wave Screens, Mounts & Fishpoles

Bradley and Light Wave Systems offer the widest selection of screens and mounts



for your shotgun and field production mics. Super Screens combine superior isolation with thoughtful design for maximum wind attenuation and no loss of midrange frequency response. Use the Super Screen with the Super Mount pistol grip for the best in mic isolation (see next page for pricing). Also available are economical Mini Screens and Mini Mounts, including models for camera mounted mics.

Several models of high wind covers are available to provide further protection, including the classic Super-Sock, an oversized Super-Sock, and the Windmaster with 3/8" deep fur-like pile. Light Wave fishpole booms have telescoping cam locks and provisions for internal wiring. Call for details.

Sample pricing:

FP12 fishpole 4' to 12'.
 60LWFP12 MFR LIST \$210.00
FP6 fishpole 28" to 6'.
 60LWFP6 MFR LIST \$195.00
Super-Sock for Super Screen
 60LWSSCXXX MFR LIST \$50.00
Super-Sock for Mini Screen
 60LWMSCXXX MFR LIST \$35.00

Light Wave products are available for over a dozen manufacturers' products. Call Bradley for a current price quotation on the system for your mics.

Rowi Clamps

These clamps allow you to attach your microphone to virtually anything! The clamp jaw opens to 1 1/2", and the mic adapter swivels. Our most useful and popular mic accessory.



Rowi Clamp 60BBRC \$36.95

Stewart BPS-1 Battery Phantom Supply

This single channel, 48 volt phantom power supply is rated for up to 200 hours using a pair of 9V alkaline batteries. It can deliver up to 4.5 mA at 48VDC, and has locking XLR connectors. The all-aluminum chassis includes a detachable belt clip.



BPS-1 60SEBPS1 \$95.00



Stereo Microphones

(1) The AT825 from Audio Technica has two wide range, closely matched condenser elements in an X/Y pattern. The elements are shock mounted to reduce handling noise. The AT825 is mono compatible and produces spatially accurate stereo recordings. Internally powered using an "AA" cell, or may be phantom powered. Switchable low cut filter and windscreen included. Cable termination is dual XLR connectors.

AT825 60AT825 MFR LIST \$500.00
Also Available:

AT822 stereo mic is similar to the AT825, but is designed for battery use only and outputs are unbalanced. Provided with two cables: One terminating with a 1/8" stereo mini-plug and the other with dual 1/8" mono mini plugs with 1/4" phone plug adapters. The AT822 is an ideal match for your portable DAT recorder. Why gather sound in mono, when the AT822 makes stereo so affordable?

AT822 60AT822 MFR LIST \$385.00

(2) Sony's MS stereo ECM-MS5 packs an unbelievable amount of performance to handle your every recording requirement. It features three capsule mic elements, assuring superior transient response for clean, uncolored sound. With the adjustable directivity feature, you can select from six click stop positions ranging from 0° for mono recording to 127° for a rich, well balanced stereo atmosphere. The ECM-MS5 has switchable low-cut filters. This mic is at home indoors and out in its sturdy aluminum housing. Operates on phantom power, or by battery with the optional DC-MS5.

ECM-MS5 60SOECMMS5 MFR LIST \$1340.00

Accessories:

DC-MS5 uses an "AA" cell to power the ECM-MS5. Short and slim, this unit is supplied with a flexible belt holder. 20 hours of continuous operation can be obtained, and an LED shows battery condition when the power is turned on.

DC-MS5 60SODCMS5 MFR LIST \$340.00

(3) Shure's VP88, an advanced single point stereo condenser mic, recreates the sonic environment with extraordinary fidelity and meets Shure's legendary standards for ruggedness and reliability. The capsules are in a Mid-Side configuration, and the VP88 offers three switch selectable stereo modes or direct M-S output. Mic elements, stereo matrix, and powering electronics are all in an easy to handle component. Powering is by internal battery or external phantom. Other features include a low frequency roll-off, built-in pop filter, foam windscreen, and 30" Y-cable terminating on two color coded XLR cables. Whether you are just beginning to look at stereo miking, or you want to take your stereo to the next level, consider the advantages of the Shure VP88.

VP-88 60SHVP88 MFR LIST \$995.00

Call Bradley for a current price quotation.



Shotgun Microphones

Let Bradley give you the longest arm in the crowd with a shotgun mic. We've pictured the models our customers tell us provide them with quality and value. Shotgun mics are for applications where close miking is impossible, and most can be hand held, camera or boom mounted, or operated from a fish-



pole. Long shotguns are best used for sound sources at a distance. Short shotguns are recommended when sound sources may be closer and may have a tendency for moving "off-mic."

(4 & 5) At only nine ounces and 18%, the Audio Technica AT815 won't load you down. It includes a stand clamp, storage case, windscreen, and 16' cable. The AT815a version is powered by a single "AA" cell, while the AT815R uses phantom power systems from 9 to 52 volts.

The AT835A extended-range condenser combines the best attributes of cardioid and shotgun mics. Phantom or internal battery powered, the AT835A combines high sensitivity and flat response. It is just 11" long and comes with the same accessories as the AT815.

AT815a battery powered 60AT815 \$229.00
AT815R phantom powered 60AT815R \$295.00
AT835A battery powered 60AT835 \$235.00

(6) The Sony ECM 672 is a light-weight, short electret shotgun mic that doesn't sacrifice audio quality or durability to its economical price. It is designed to be mounted on a portable video camera or can be hand held. The ECM 672 will operate for approximately 3000 hours on an "AA" cell and can also be 48V phantom powered. A built-in LED indicator shows battery condition. This versatile mic also has a two position low frequency roll-off.

ECM 672 60SO672 \$425.00

(7) Sennheiser's RF condenser technology results in microphones with the lowest inherent noise. These mics have fast, distortion-free response to audio transients over an extended frequency range. The MKH 70 long shotgun and MKH 60 short shotgun both offer a switchable low cut filter, presence boost, and input attenuator. The MKH 70 is 16.4" long and weighs 6.3 ounces, and the MKH 60 is 11.2" and weighs 5.25 ounces. Models listed use 48V phantom powering; models using 12 volt AB powering are available at the same price. Sennheiser shotguns fit the bill when you demand the best.

MKH 70 P48U3 60SNMKH70 \$1529.00
MKH 60 P48U3 60SNMKH60 \$1259.00

Also available:

Sennheiser MKH 816 and MKH 416 are in wide use in broadcast, film, and recording. Call or fax for details.

Accessories:

Light Wave Super Screens and Super Mounts are available for all shotgun mics. Ask your Bradley professional about wind covers, fishpoles, and other accessories to round out your mic package.

Light Wave Super Screens

For AT815 60LWSS815 MFR LIST \$280.00
For AT835 60LWSS835 MFR LIST \$270.00
For ECM 672 60LWSS672 MFR LIST \$260.00
For MKH 70 60LWSS70 MFR LIST \$280.00
For MKH 60 60LWSS60 MFR LIST \$270.00

Light Wave Super Mount Pistol Grips

For AT815 60LWSM815 MFR LIST \$145.00
For AT835 60LWSM835 MFR LIST \$140.00
For ECM 672 60LWSM672 MFR LIST \$150.00
For MKH 70 60LWSM70 MFR LIST \$150.00
For MKH 60 60LWSM60 MFR LIST \$150.00

Mint screens and package discounts are available. Light Wave screens are also available for the shotguns when camera mounted. Call for details and a current price quotation.

Bradley accepts Visa, Mastercard, and Discover for your convenience.

Hand Held Microphones for ENG/EPF



(1) Shure VP64

The VP64 features a neodymium magnet for an output up to 6dB higher than other omnidirectional mics. It sounds brighter, providing an extra clarity in noisy environments without sounding harsh or hissy. Additionally, an internal shock mount reduces pickup of handling noises. The longer handle on the VP64 provides an interviewer with better reach, and its contemporary styling looks great and is less reflective on camera. Its black polyurethane finish is impervious to scratching and chipping. The VP64 is supplied with a foam windscreen and a stand adapter.

VP64 60SHVP64 \$89.00

(2) Beyer M 58

The M 58 is extremely rugged, and will hold up under heavy field punishment. Its unique low mass diaphragm produces unprecedented intelligibility, even off-axis. Shock mounted for low handling noise, the M 58 has a special non-reflective finish that looks great on camera. The 10" shank is balanced for a positive feel in your hand. Probably our finest hand held omnidirectional mic.

M 58 60BEM58 \$166.00

Accessories:

Mic clamp 61BEMKV8 \$17.95

Windscreen 60BEWS58 \$22.98

(3) Electro-Voice 635A

The most popular mic in broadcast for remote or studio use. Virtually indestructible, the omnidirectional 635A has an 80Hz to 13kHz response. The individual mics are packaged with stand adapter. Save by purchasing the 635A in a six pack without stand adapters. Now also available in black.

635A 60EL635A \$108.00

635A/B 60EL635AB \$108.00

6-pack/635A 60EL635A6 \$525.00

Windscreen 60EL314E \$15.00

(4) Electro-Voice DO56L

This omnidirectional mic is shock mounted to isolate the element from both handling and cable noise. The DO56L provides excellent vocal quality. 11 1/2" shank.

DO56L 60ELDO56L \$157.00

DO56 6 1/2" Shank 60ELDO56 \$142.00

Windscreen for DO56L/DO56

60EL351 \$12.00

(5) Electro-Voice RE50

The RE50 has the same tailored response and high output of the 635A, and its resilient "mic-within-a-mic" 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. Now also available in black.

RE50 60ELRE50 \$162.00

RE50B 60ELRE50B \$162.00

Windscreen 60EL376 \$19.00

(6) Shure SM63L

The SM63L is a small, elegant, rugged microphone with output up to 6dB higher than comparable mics. It's omnidirectional with extended frequency response. A low frequency roll-off gives a natural sounding pickup. The Shure mechano-pneumatic shock mount isolation cuts handling noise and an effective humbucking coil rejects interference from strong magnetic fields. The SM63L has an integral wind and pop filter and nearly indestructible grille. It has an extended 9 1/2" handle, weighs less than 4 1/2 ounces, and includes a foam windscreen.

SM63L 60SHSM63L \$109.00

Also available:

SM63 5 1/16" handle version.

60SHSM63 \$99.00

(7) Audio Technica AT804

The hardened steel grille and die-cast case make the omnidirectional AT804 a great choice for the rough and tumble of field recording. The frequency response is 50Hz to 15kHz and the mic has high sensitivity to match the input of most recorders and mixers. Windscreen, carrying case, and stand adapter are provided.

AT804 60AT804 \$69.00

Electro-Voice RE Series

The Variable-D design of all RE series mics ensures uniform off-axis pickup and eliminates bass-boosting proximity effect.

(8) **RE10** is a moderately priced mic for sound reinforcement, broadcasting, or stage work. Its cardioid pattern provides maximum rejection 150° off-axis for improved directional characteristics. Includes bass roll-off switch. 90Hz to 13kHz.

60ELRE10 \$189.00

(9) **RE11**, electronically similar to the RE10, has a built-in blast filter and Menralflex grille screen.

60ELRE11 \$199.00

(10) **RE15** provides better frequency response (80Hz to 15kHz) and is manufactured to tighter tolerances for situations where closely matched mics are required.

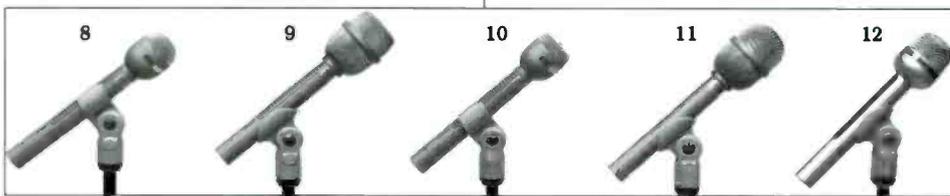
60ELRE15 \$280.00

(11) **RE16**, similar to the RE15 in response, uses a different blast filter, for closest use without "P-Pops." Its rugged, mechanically nested design is highly resistant to damage.

60ELRE16 \$295.00

(12) **RE18** has an integral shock mount for superior hand held performance. This mount also effectively eliminates transmission of stand or lectern noises.

60ELRE18 \$315.00



Accessories:

Shock mount clamp designed to provide isolation for RE series or other 3/4" diameter mics.

Gray 60EL313A \$42.00

Black 60EL313 \$42.00

Colored windscreen for RE11, RE16, or RE50.

Select from black, red, orange, yellow, green, blue, and violet.

Pop filter for RE18 60EL351 \$13.00

Windscreen for RE18 60EL338 \$27.00

Pop filter for RE11 and RE16

60EL376 \$19.00

Windscreen for RE10 and RE15 mics. Two piece design has zippered rear portion to cover shank of mic. Rear portion can be used on RE11 and RE16.

60EL314 \$28.50

Security clamp for all RE series, except RE20/27.

60EL340 \$30.00

Replacement clamp for all RE series mics, except RE20/27.

60EL311 \$15.00

Call Bradley for information on replacement clamps and all EV accessories.





(1) AKG D190E Microphone

The smooth response of the D190E has a slight midfrequency rise for natural sound. Recommended for vocal and announce use, it has a built-in windscreen and a shock mounted transducer.

D190E 60AKD190E *MFR LIST* \$189.00

(2) Electro-Voice RE27N/D Microphone

This mic may look familiar, but beneath its satin nickel finish it is unlike any other announce mic you've heard. Using a neodymium alloy magnet and a reinforced diaphragm dome, the RE27N/D cardioid has increased sensitivity, undistorted output at high sound pressure levels, and an extended high frequency response. A hum bucking coil reduces interference from lighting and other sources, while the Variable-D design reduces proximity effect for uniform response. The RE27N/D features two bass roll-off switches, a high frequency boost reduction switch, and an integral shock mount and blast filter. Hear how good your voice can sound.

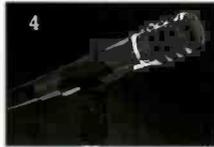
RE27N/D 60ELRE27 *MFR LIST* \$659.00

Accessory:

Shock mount 60EL309 *MFR LIST* \$100.50

(3) Audio Technica ATM-25 Microphone

A-T discovered that this instrument mic also sounds great as an announce mic. The hypercardioid



Call Bradley for a current price quotation.

pattern rejects unwanted sounds outside of the pickup pattern, and it withstands high sound pressure levels. With a response that enhances both male and female voices, the ATM-25 is a top contender with a moderate price.

ATM-25 60ATATM25 *MFR LIST* \$270.00

(4) Audio Technica ATM-63HE With a unidirectional hypercardioid pickup pattern and frequency response of 50Hz-18kHz, the ATM63HE is a good choice for field production and ENG types. Utilizing a high sensitivity neodymium design, the mic provides extremely fast transient response. Enhanced shock mounting consists of a new floating diaphragm and a double-isolated element housing. All this adds up to an extremely low noise, high output microphone.

ATM 63HE 60ATM63 *MFR LIST* \$200.00

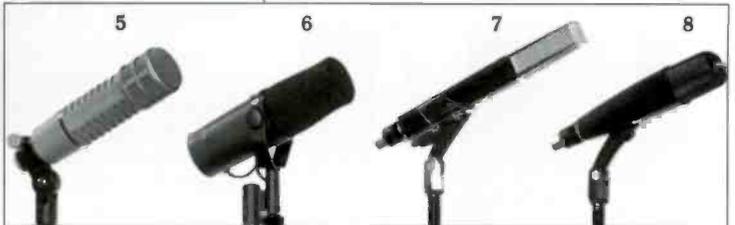
(5) Electro-Voice RE20 can be seen in many of America's premier broadcast stations. The reasons are obvious. Performance that rivals the best condenser mics, undistorted output at high SPL, and a carefully tailored response curve make the RE20 a true industry standard.

RE20 60ELRE20 *MFR LIST* \$580.00

Accessories:

Shock mount 60EL309 *MFR LIST* \$100.50

Windscreen 60NEWS87 *MFR LIST* \$30.00



(6) Shure SM 7 is among the finest professional dynamics for voice-over recording in radio and TV work. It features 40Hz to 16kHz 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.

SM 7 60SHSM7 *MFR LIST* \$566.50

Windscreen 61SH90KR2600 *MFR LIST* \$15.50

(7) Sennheiser MD441 is often called acoustically transparent and is widely used in the studio and on the road. The super-cardioid pattern prevents leakage and feedback. Ten position bass contour switch and smooth response from 30Hz to 20kHz make the MD441 one of the best dynamic mics available.

MD441 60SN441 *MFR LIST* \$695.00

Windscreen 61SNMZ441 *MFR LIST* \$35.00

(8) Sennheiser MD421 is hailed worldwide for its durability and lively sound quality. The dynamic cardioid element with large diaphragm makes voices "jump right out." The MD421 has a multi-position bass roll-off switch and a smooth response from 30Hz to 17kHz.

MD421 60SN421 *MFR LIST* \$469.00

Accessories:

Windscreen 61SNMZ421 *MFR LIST* \$30.00

Shock mount 60SNMZS100 *MFR LIST* \$98.00

Shure SM58-LC

The world standard professional stage microphone. Cardioid pattern with spherical windscreen and fixed bass roll-off to prevent popping or boominess in close-up use. Rugged.



SM58-LC 60SH58 *MFR LIST* \$188.75

Also Available:

SM58 version with on-off switch on mic.

60SH58S *MFR LIST* \$198.50

Windscreen available in a variety of colors.

61SHA61WSXX \$5.25

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.

SM57-LC 60SH57 *MFR LIST* \$147.00

Windscreen 61SHA2WS \$12.00

Call Bradley for a current price quotation.

Studio Condenser Mics

AKG C414B/ULS

This latest version of one of our most popular mics uses an ultra-linear element for flattest response from 30Hz to 20kHz. This large diaphragm condenser is phantom powered and switchable for four pickup patterns: hypercardioid, cardioid, omni, and bidirectional. The mic has a built-in three position attenuator and a selectable bass roll-off. A superior announce mic, its wide range and very low noise make it ideal for digital recording.



60AK414 *MFR LIST* \$1199.00

Accessory:

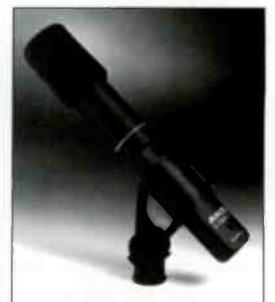
Elastic suspension system

60AKH17A *MFR LIST* \$399.00

Call Bradley for a current price quotation.

AKG C1000S

AKG condenser quality is available in the economical C1000S. Designed for voice and instrument use, it includes a unique pattern converter that provides either a cardioid or hypercardioid pattern.



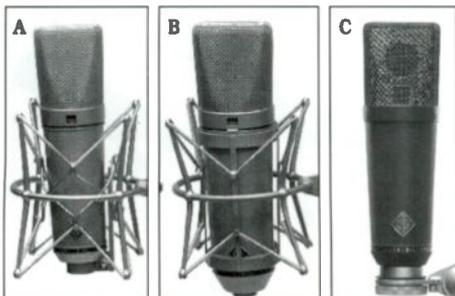
The C1000S has a rugged steel mesh grill; internal shock mounting of the capsule reduces handling noise. Powering is via an internal 9V battery or external phantom power. The C1000S comes packaged with a foam windscreen and stand adapter.

The sound is pure AKG. Some say that when used for speech, the C1000S sounds similar to the C414B/ULS. Let your ears be the judge.

C1000S 60AKC1000S *MFR LIST* \$429.00

Call Bradley for a current price quotation.





Neumann Condenser Mics

(A) **U89**, a five pattern studio mic, has exceptional frequency response and overload characteristics. Suiting both instrumental and vocal applications, it handles sound levels up to 140dB SPL with less than 0.5% distortion with the 6dB attenuator switched in. A high pass filter provides 80Hz or 160Hz rolloff. Requires 48V external power. Includes EA89 shock-mount suspension, windscreen, and 25' cable.

U89 60NEU89Z MFR LIST \$2780.00

(B) **U87A** is an updated version of a recording industry standard. An excellent vocal mic, it includes three separate switches for pattern selection, frequency response, and pressure sensitivity. Requires 48V external power. Includes shock mount suspension, windscreen, and 25' cable.

U87A 60NEU87AZ MFR LIST \$2780.00

(C) **TLM-193 Large Diaphragm Condenser**

If you want the performance of a flagship Neumann but your budget is tight, consider the TLM-193, a cardioid large-diaphragm condenser with 130dB dynamic range, 20-20k response, very low self-noise, and the same capsule used in the legendary U89i/TLM-170 series. Requires 48V phantom power.

TLM-193 60NETLM193 MFR LIST \$1295.00



Shure SM81

The SM81 is 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. Mic element capsule may be interchanged with the optional omnidirectional capsule.

SM81 unidirectional. 60SH81 \$299.00

Accessory:

R104A omnidirectional capsule. 60SHR104A \$135.00

Neumann KM 100 System Mics

The KM 100 output stage operates with the four available mic capsules and a wide variety of accessories. Since the microphone circuitry is entirely in the capsules, they may be placed up to 1000' from the output stage, a real asset in live recording applications. Over two dozen mounts and adapters let you place KM 100 series mics, individually or in stereo pairs, in the exact location you need them. Audio performance is outstanding and particularly suited to digital recording. Dynamic range exceeds 120dB and the mics handle over 138dB SPL.

Listed below are complete systems with capsule and output stage. Your Bradley professional can help you select extra capsules and system components.



- KM 130 Omnidirectional**
60NEKM130 MFR LIST \$950.00
- KM 140 Cardioid** 60NEKM140 MFR LIST \$950.00
- KM 145 Cardioid w/LF roll-off**
60NEKM145 MFR LIST \$950.00
- KM 150 Hypercardioid**
60NEKM150 MFR LIST \$1125.00

Call Bradley for a current price quotation.

Microtech Gefell UM-70 & UM-70S

These large diaphragm condenser mics, built around the Neumann M7 capsule, provide cardioid, omni, and figure eight patterns, 10dB pad, and bass rolloff. The internal amp system has a FET input stage coupled to a custom hybrid amplifier. Power is 12-48V phantom. Cable and foam windscreen are included.

For voice work or close-mic music recording, choose the UM-70 (with SPL of up to 137dB for THD of better than 0.5%). For applications where self-noise is a concern, like classical and other uses in which one mic serves a large area, order the UM-70S, which offers 3dB improved noise.



- UM-70** 60MGUM70 MFR LIST \$1150.00
- UM-70S** 60MGUM70S MFR LIST \$1395.00
- M-71 cardioid only**
60MGM71 MFR LIST \$895.00
- M-71S cardioid only**
60MGM71S MFR LIST \$1065.00

Call Bradley for a current price quotation.

Audio Technica 4033

The AT4033 is a cardioid condenser microphone with a frequency response of 30Hz to 20kHz. Powered by an external 48V phantom source, the AT4033 can handle up to 140dB SPL (150dB SPL with the switchable 10dB pad) without distorting. With a dynamic range of 123dB, the mic is ideally suited for digital recording applications. The mic also has an 80Hz hi-pass filter to reduce sensitivity to "popping" in close



vocal use. The mic is available in two versions: the 4033/SC includes the AT8430 stand clamp, the 4033/SM includes the AT7441 shock mount. Both mounts are compatible with 5/8"-27 threaded stands.

AT 4033 60AT4033 MFR LIST \$699.00

Call Bradley for a current price quotation.

CAD Equitek E-200 Microphone

This 48-volt phantom-powered condenser offers three standard patterns in one mic: omni, cardioid, and figure-eight. The E-200 handles quietly and provides excellent frequency response, particularly at the low end (flat to 10 Hz, useable to 3Hz). Its unusual powering design puts Ni-cad batteries right in the circuit for extra power, so the microphone can handle difficult transients easily. The batteries are trickle charged from the phantom power, and an auto power shut-off feature saves on battery drain. A swivel mount is included. Also available: windscreens and 24-volt phantom supply.



The batteries are trickle charged from the phantom power, and an auto power shut-off feature saves on battery drain. A swivel mount is included. Also available: windscreens and 24-volt phantom supply.

E-200 60CDE200 MFR LIST \$669.00

Call Bradley for a current price quotation.



Lavaliers

Audio Technica AT805S

An excellent choice in omnidirectional lavaliers. The high sensitivity electret condenser element has a response from 50Hz to 15kHz. On/off switch. Battery operation.



60AT805S \$65.00

Also available:

AT803B ultra-miniature lavalier. Battery or phantom powered. 60AT803A \$135.00

Shure SM11

The SM11 is the world's smallest dynamic lavalier. Optimized response, natural sound quality plus ruggedness make it a leader. The three mounting options provided are lavalier cord, tie bar, and tie tack.



60SH11 \$85.00

Shure SM 84 and SM 83

Noisy studio and outdoor environments, talk shows, and multi-lavalier formats are situations where the SM-84 is vital. This unidirectional condenser lavalier mic was developed to solve problems of extraneous sound pickup and gain-before-feedback which plague lavalier mics. For many less complex applications, the omnidirectional SM-83 remains an excellent choice. Shure engineers modified the performance of the widely used SM-83 omni lavalier by developing a super-cardioid pickup pattern to reject peripheral sounds, while retaining the SM-83's specially tailored response pattern. Includes tie clip, cable, and in-line preamp with 10dB boost and low-cut. Takes 12V-48V phantom power.



SM-84 unidirectional 60SHSM84 \$209.00
SM-83 omnidirectional 60SHSM83 \$175.00

Sony Lavaliers

Sony lavaliers provide immunity to external noise and the convenience of operation with "AA" cells. The ECM-55 has an omnidirectional pattern for the widest variety of applications. The ECM-66 has a unidirectional pattern ideal for musical instrument miking. The ECM-77, a mere 1.5 grams, is Sony's smallest lavalier. The ECM-44 is omnidirectional, and makes Sony quality available at an economical price. All versions can be powered with an internal battery or external 48V phantom. Also available are unterminated versions of all mics for use with wireless systems. Matte Black.



ECM-55 60SO55B \$259.00
ECM-66 60SO66B \$289.00
ECM-77 60SO77B \$289.00
ECM-44 60SO44B \$155.00

AKG C407

The C407 Micro Mic is an omnidirectional condenser with a frequency response optimized for speech. It is less than one-third of an inch in diameter, making it one of the smallest lavalier mics. Two versions are available. The standard C407 terminates on an XLR connector for user supplied phantom powering. The C407/B requires the B9 battery power supply. The unique B9 powers two Micro Mics and the balance between the two inputs and overall volume are both continuously adjustable. Micro size with macro performance.



C407 phantom 60AKC407 MFR LIST \$169.00
C407/B battery 60AKC407B MFR LIST \$119.00

Accessory:

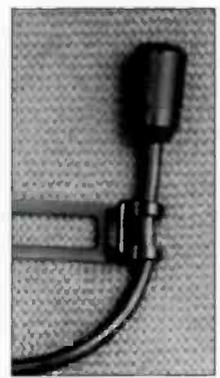
B9 Battery supply for one or two C407/B's
 60AKB9 MFR LIST \$69.00

Call Bradley for a current price quotation.

Sennheiser MKE-2

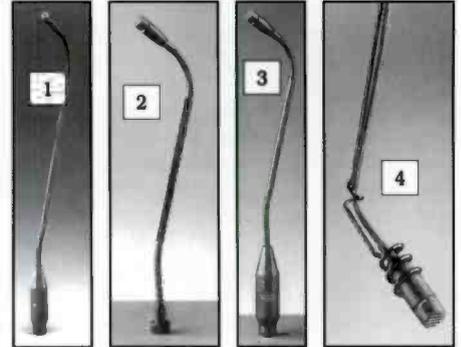
The MKE2-60 is the latest version of the phenomenally popular lavalier. It provides open, natural sound and measures less than 1/4" wide and 9/16" long. The MKE2-60 works with the new K6 or K6P powering modules (described in more detail on page 26), for phantom or "AA" cell operation.

MKE2-60 Omni Lavalier (black) 60SNMKE260B \$285.00
MKE2-60 Omni Lavalier (flesh) 60SNMKE260F \$285.00
K6 Powering Module (phantom and "AA") 60SNK6 \$255.00
K6P Powering Module (phantom power only, no on/off switch) 60SNK6P \$255.00



Audio-Technica UniPoint Series

These miniature cardioid mics offer highly symmetrical cardioid pickup and exceptional off-axis rejection for feedback control.



1. AT859QML

Plugs into any XLR jack for instant installation and removal.

AT859QML 60AT859 \$125.00

2 & 3. AT857

The 857AMa mounts on a mic stand or its own threaded surface mount adapter. The 857QMa plugs directly into a female XLR connector and operates only on phantom power.

AT857AMa 60AT857AM \$229.00
AT857QMa 60AT857 \$183.00

4. AT853a

Hangs from its own cable using a plastic coated, stainless steel hanger, or mounts on a stand adapter.

AT853a 60AT853 \$185.00

Popper Stopper

Get rid of troublesome pops from B's, P's, D's, and K's by adding a Popper Stopper pop filter to your microphone. The Stopper is a double-sided screen with 1/4" dead airspace straining out those percussive blasts of air from your talent. (Reducing their hot air is your problem.)



The clamp and gooseneck design make attachment and placement easy. All hardware is non-reflective black. The Popper Stopper is available in 4" and 6" screen sizes. Besides, you have to love the name.

4" screen 60PS4G \$58.00
6" screen 60PS6G \$59.00



Shure Automatic Microphone System

The Shure AMS Automatic Microphone System provides a comprehensive, effective approach to the often aggravating problems of multiple mic installations. Advanced microphone, mixer, and logic technologies allow sound sources to turn on and off quickly, quietly, and automatically. With more than one mic active, the system provides gain compensation to prevent feedback.

Each mic and mixer channel contains logic circuitry, allowing each mic to actuate independently. Furthermore, AMS microphones will turn on only when addressed within a 120° acceptance window. Background or crowd noise, regardless of volume, will not "open up" a microphone. The AMS mixer incorporates individual channel logic controls which provide special functions such as a cough/privacy button, channel priority, zone loudspeaker muting, and chairman muting.

Four styles of AMS mics are available: low profile, gooseneck, probe, and lavalier. Due to the integrated design of AMS, use of non-AMS mics is not appropriate. AMS is ideal in many settings. Churches, courtrooms, broadcasting, teleconferencing, and group meeting places will all benefit from use of AMS.

Call your Bradley professional for full details on all AMS systems and products.

AMS 8000 eight channel mixer	60SHAMS8000	MFR LIST	\$2850.00
AMS 22 low profile mic	60SHAMS22	MFR LIST	\$220.00
AMS 24 gooseneck mic	60SHAMS24	MFR LIST	\$255.00
AMS 26 probe mic	60SHAMS26	MFR LIST	\$220.00
AMS 28 lavalier mic	60SHAMS28	MFR LIST	\$245.00

Call Bradley for a current price quotation.



Special Purpose

Audio-Technica AT808G

Looking for a high quality talk-back microphone? The AT808G is it! The subcardioid pickup pattern is sensitive to sounds originating in front of the mic, reducing pickup of unwanted noise. Gooseneck allows the mic to be positioned. Response is 200Hz-5kHz. Low-Z XLR male connector on the base of the gooseneck plugs directly into your console.



AT808G	60AT808G	MFR LIST	\$145.00
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Shure SM Series

This series of head-worn mics is designed for use in sports, news gathering, and intercommunication systems. They offer an excellent solution to the problem of hands-free, close talking vocal pickup.



SM10A with mic only	60SH10	\$105.00
SM12A with mic and one earphone	60SH12	\$149.00

Crown PZM and PCC Microphones

Crown PZM mics use the pressure zone at an acoustic boundary to eliminate distortion and comb filtering problems. They're ideal for picking up sounds with clarity and at greater distances than conventional mics. The PZM-180 is a low-impedance, affordable "semi-pro" mic, powered by an internal "N" cell or external phantom power. The male XLR connector is in the handle. The Sound Grabber is a moderately-priced PZM powered by an "AA" cell. It has an unbalanced high-impedance output, 10' cable to 1/8" TS plug, and adapters for 1/4" TS phone and 3/32" TS applications. Both models are black.

PZM-180	60CR180	MFR LIST	\$179.00
Sound Grabber	60CRSG	MFR LIST	\$99.00
PCC-160 Black	60CRPCC160	MFR LIST	\$295.00
PCC-160 White	60CRPCC160W	MFR LIST	\$295.00

The PCC-160 has a phase-coherent supercardioid pattern to minimize background noise. Its large surface increases sensitivity and prevents phase cancellation. Ideal for lecterns or conference tables where maximum gain is sought. Choose black or white.



Other Crown PZM and PCC mics are available. Call us for details!

Shock Mounts

(1 & 3) Tensimount "spider" shock mounts come in three sizes to fit most microphones. Requires use of stand adapter.

TM1 for mics up to 1 3/8" diameter.	60AKTM1	\$21.00
TM2 for mics up to 2" diameter.	60AKTM2	\$24.00
TM3 for mics up to 2 3/4" diameter.	60AKTM3	\$28.00

Accessory:

Mic stand adapter for Tensimount	61AKSA40	\$12.00
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(2) Audio Technica 8415 shock mount is designed primarily for the rigors of field production. Elastic suspension accommodates a variety of mics. Versatile and economical. 60AT8415 **\$49.00**

(4) Audio Technica AT8410a "universal" shock mount with "clothes-pin" flexible clamp fits most shapes and sizes of mics without extra sleeves or adapters. Special neoprene suspension cords isolate the mic from shock from every direction.

61AT8410A	\$49.00
(5) Sennheiser MZS100 is our finest quality studio shock mount. It attaches to any microphone with the mic's own stand adapter. The thumbscrew adjusts the tension of the shock absorbing mechanism so that it can be optimized for the weight of the mic. Looks different, performs wonderfully.	60SNMZS100 \$98.00



Microphone Stands and Booms

1. AKG KM-251 heavy duty, collapsible floor stand adjustable: 23" to 53".
Chrome 60AKKM251 \$75.00
Black 60AKKM251B \$75.00

2. Atlas MS-12C basic stand with heavy duty base.
Chrome 61ATMS12 \$20.00
Ebony 61ATMS12CE \$20.00

3. Atlas MS-20 heavy duty mic stand with shock mounting.
Chrome 61ATMS20 \$49.00
Ebony 61ATMS20E \$49.00

4. Shure S15 ultra-lightweight, collapsible mic stand which can be adjusted to heights of 3½ to 14 feet. It is sturdy and stable enough to hold large, heavy microphones, and yet it weighs only five pounds. This stand is the ultimate for location work. Comes complete with vinyl carrying bag and cable strain relief.
 60SHS15 \$149.00

5. ST-201A/2 professional two section collapsible mic stand. Lightweight, yet stable. Our best seller.
Chrome 61KM201 \$33.00
Black 61KM201B \$33.00

6. Atlas MS-25 heavy duty mic stand with shock mounting and triangle base so talent can step up close.
 61ATMS25 \$77.00

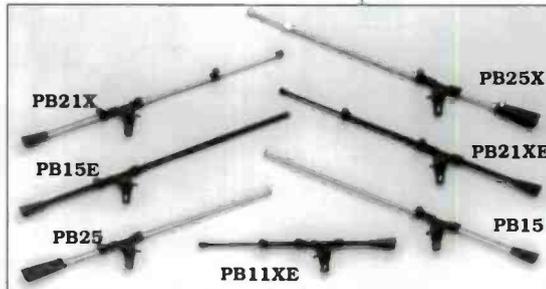
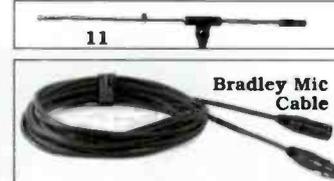
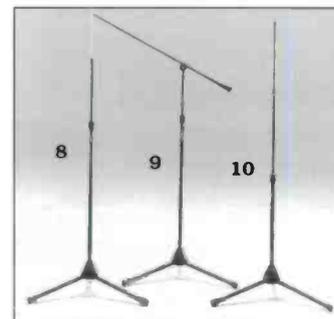
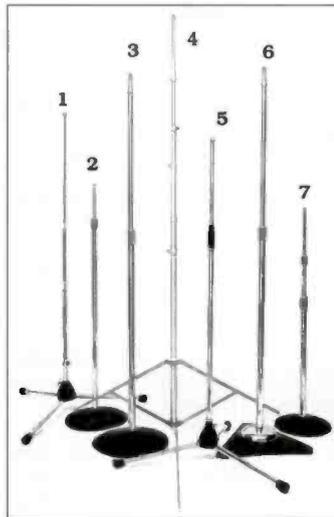
7. Atlas MS-4 three section version of the MS-20.
 61ATMS4 \$40.00

8-10. Atlas Performer Series Stands
 These all-metal tripods feature Glide-n-Lock legs for secure positioning without knobs and screws, the wearproof clutch, high density rubber feet, and a non-reflective ebony finish.

2-section, 34" - 63" high
 61ATTL34E \$49.95
 As above with boom
 61ATTL34BBE \$64.00

3-section, 26" - 63" high
 61ATTL343E \$69.00

11. SCH-211/2 collapsible boom extends to 38".
Silver 61KM2112 \$22.00
Black 61KM2112B \$22.00



Atlas Performer Series Booms
 Feature swivel/clamp, single hand adjustability, bushings for smooth positioning, and counterweights for optimum microphone balance..

PB11XE - 16½" - 24½", black
 61ATPB11XE \$35.00

PB15 - 34", chrome
 61ATPB15 \$29.00

PB15E - 34", black
 61ATPB15E \$23.00

PB21X - 25½" - 38½", chrome
 61ATPB21X \$33.00

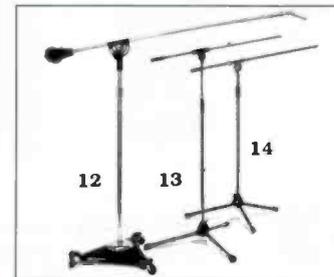
PB21XE - 25½" - 38½", black
 61ATPB21XE \$27.00

PB25 - 34½", heavy duty, chrome
 61ATPB25 \$35.00

PB25X - 32" - 51½", hvy duty, chrome
 61ATPB25X \$40.00

BB77 - Basic Boom, 34", chrome
 61ATBB77 \$16.00

BB77E - Basic Boom, 34", black
 61ATBB77E \$16.00



12. Atlas SB-36 professional boom/stand with a grip action clutch and air suspension. Stand extends from 50" to 74", boom length is 62".
w/o casters 61ATSB36 \$165.00
w/casters 61ATSB36W \$189.00

13. Beyer GST 400 Boom Stand combo with black finish. Stand adjustable 35"-65". Boom fixed at 33". Tripod style base.
GST 400 60BEGST400 \$70.00

14. K&M Mic Boom Stand A low cost professional collapsible mic stand with adjustable 31" boom. Tripod base.
KM 271 60KM271 \$36.50

15. Ultimate Liberty has a unique clutch that makes it the easiest stand to adjust. Height ranges from 34½" to 64", and the 10" diameter round base allows six stands to be conveniently stacked. Lifetime guarantee.
 61USL \$29.00

16. AKG 231 portable, collapsible desk stand is so useful and lightweight, it should be a part of every remote kit. All metal construction for strength and durability, simple leg fold design for reliability, and extremely low weight for portability make this desk stand the most versatile around.
 60AK231 \$12.00



17. Atlas DS-7 heavy duty adjustable desk stand is our most requested, and now available in either chrome or ebony finish, both with black base.
Chrome 61ATDS7 \$12.90
Ebony 61ATDS7E \$15.90

Bradley Assembled Mic Cables

You need them, and Bradley's got them. Our own high quality mic cables, using Neutrik XLR connectors, come in 25' and 50' lengths.
25' cable 61WHMKS20 \$14.50
50' cable 61WHMKS50 \$22.00

Bradley Bulk Mic Cable
 Our low impedance mic cable is rugged and reliable. Get as much as you want or as little as you need.
 60AT8300 **34¢ per foot**

Canare Star Quad Assembled Mic Cables
5 feet 60CAEC005FBXX \$21.75
15 feet 60CAEC015FBXX \$27.00
25 feet 60CAEC025FBXX \$31.50
50 feet 60CAEC050FBXX \$44.50

Canare cables are made with Neutrik XLR connectors. Black is available from stock. Other colors are special order and are priced the same. All special order cables have a minimum order of 10 cables in any mix of colors and lengths.

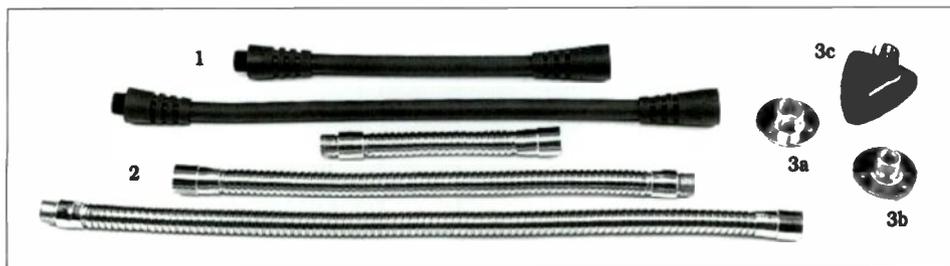
Bulk Star Quad
 60CAL4E6BK **48¢ per foot**
 656' reel 60CAL4E605XX \$293.00
 1000' reel 60CAL4E610XX \$445.00

Black is the only color offered by the foot. Reels are available from stock in black, or in blue, brown, grey, green, orange, purple, red, white, and yellow by special order. Call for pricing on multipair cable with 2, 4, 8, 12, 16, and 24 pairs.

Be sure to see our entire line of bulk cable and connectors on pages 101-102



Goosenecks



1. **Mic-Eze Rubbernecks** are unique goosenecks that eliminate the noise caused by standard goosenecks. Black rubber-like construction.

16" Neck	61ACR16	\$11.95
10" Neck	61ACR10	\$10.95
12" Neck w/ XLRs	61ACR12XLR	\$49.95

2. **Standard Goosenecks** are available in both chrome and black finishes.

6" Chrome	61ATGN6	\$5.95
6" Black	61ATGN6E	\$5.95
13" Chrome	61ATGN13	\$6.95
13" Black	61ATGN13E	\$6.95
19" Chrome	61ATGN19	\$7.95
19" Black	61ATGN19E	\$7.95

3. Atlas Gooseneck Mounting Flanges

a. AD-11B Female 5/8"-27

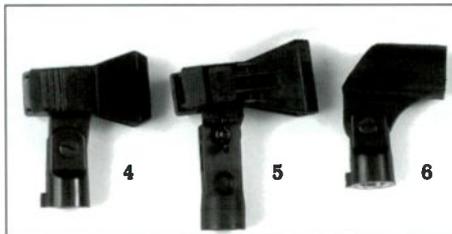
Chrome	61ATAD11B	\$3.69
Ebony	61ATAD11BE	\$3.69

b. AD-12B Male 5/8"-27

Chrome	61ATAD12B	\$3.69
Ebony	61ATAD12BE	\$3.69

c. AD-18B Heavy Duty Female

Chrome	61ATAD18B	\$6.59
Ebony	61ATAD18BE	\$6.59



Shure A58WS Windscreens



These windscreens fit most mics with ball shaped heads. Available colors are orange, red, blue, brown, black, white, green, and yellow.

61SHA61WSXX	\$5.25
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Microphone Mounting Accessories

4. "Clothes-Pin" type spring loaded swivel mic adapter. Fits most mics. 61BEMKV6 \$14.95

5. **Mic-Eze Adapter** is a unique unbreakable mic holder with locking bolt and non-slip grip. 61MEM4 \$12.95

6. **Tapered Swivel Adapter** fits most Shure mics and many other models. 61SF1 \$4.95

7. **Suspenders Stand Clamp** attaches to any tubular stand, such as a mic or drum stand. It has a 5/8"-27 thread mount for mic clamp to be attached. 61LPS420 \$7.95

8. **AKG KM235/1** twin mount for horizontal extension or installation of two mics on one stand. Three pivot points allow flexible mic positioning. 60AKKM235 \$14.99

Also available:

Atlas TM-1 allows installation of two or three mics on a single stand. 61ATTM1 \$13.95

Shure A27M twin mount allows placing two mics vertically on one stand. Designed for M-S stereo mixing. 61SHA27M \$62.00

Shure A27T triple mount is the type used by the President of the U.S. to hold three Shure SM57 mics. 61SHA27T \$138.00

9. **Rowi Clamps** allow you to attach your microphone to virtually anything. The clamp jaw opens to 1 1/2", and the mic adapter swivels. Possibly our most popular and useful mic clamp. 60BBRC \$36.95

10. **Atlas CO-1B** clamps to mic stands or booms to allow attaching a second mic. 61ATCO1B \$11.19

11. **MZA-217** 5/8" external to 3/8" internal thread adapter. 61SNMZA217 \$3.00

12. **Atlas LO-2B** allows quick disconnect of mic clamp. **Chrome** 61ATLO2B \$11.00
Ebony 61ATLO2BE \$11.00

13. **Atlas VM-1** shock mount adapter reduces vibrations to mic. 61ATVM1 \$13.95

14. **Atlas SW-1B** swivel attachment makes mic placement more convenient. 61ATSW1B \$19.00

15. **Atlas CH-1B** attaches to mic stand and provides a place to hang the mic cable. 61ATCH1B \$9.69

16. **Suspenders Clip Clamp** is a spring loaded adapter that clips onto just about anything. Features a 5/8"-27 thread adapter. Keep a few in your road kit. 61LPS413 \$5.75

Atlas Adapters

Bradley can assist your next installation with these useful adapters. Chrome.

5/8"-27F to 1/2" pipe M	61ATAD1B	\$3.69
3/8" pipe F to 5/8"-27M	61ATAD2B	\$3.69
3/8" pipe F to 5/8"-27F	61ATAD3B	\$3.69
3/4" long, 5/8"-27M thread	61ATAD4B	\$3.69
Coupling; 5/8"-27F to 5/8"-27F	61ATAD5B	\$3.69
Coupling; 7/8"-27F to 7/8"-27F	61ATAD6B	\$5.19
3" long tube; 5/8"-27M thread each end	61ATAD7B	\$3.69
6" long tube; 5/8"-27M thread each end	61ATAD8B	\$3.69
7/8"-27F to 5/8"-27F	61ATAD9B	\$6.99
5/8"-24F to 5/8"-27F	61ATAD10B	\$6.59
7/8"-27M to 5/8"-27F	61ATAD13B	\$5.99
90° angle tube; 5/8"-27M & F	61ATAD14B	\$6.59
"Feed thru", 5/8"-27M & F	61ATAD15B	\$6.59
45° angle tube; 5/8"-27M & F	61ATAD19B	\$13.39



Luxo Studio Desk Mounting Arms

A. Luxo KM-1 Mic Arm

The KM-1 has no external springs and a 41" reach. Balanced for mics weighing two pounds. Requires mounting bracket or riser.

KM-1 Oyster	61LUKM1	\$49.00
KM-1 Black	61LUKM1B	\$49.00

B. Luxo LM-1 Mic Arm

Professional spring loaded boom with 41" reach. Balanced for mics weighing one pound. Requires mounting bracket or riser.

LM-1 Oyster	61LULM1	\$44.50
LM-1 Black	61LULM1B	\$44.50

Also available:

Luxo LM-2 is similar to LM-1 but has a 26" reach.

LM-2 Oyster	61LULM2	\$41.50
LM-2 Black	61LULM2B	\$41.50

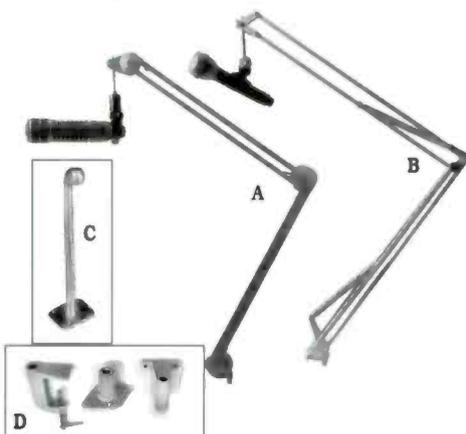
C. Pro Riser

This rugged all-aluminum, 12" pedestal provides for more convenient installation and a longer reach for your Luxo arm.

Oyster	61LURISER	\$21.00
Black	61LURISERB	\$21.00

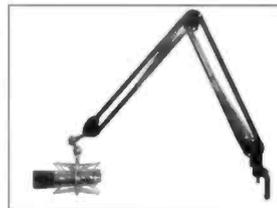
D. Luxo Mounting Brackets

C-clamp Oyster	61LUABR	\$9.95
C-clamp Black	61LUABRB	\$9.95
Table mount Oyster	61LUCBR	\$9.95
Table mount Black	61LUCBRB	\$9.95
Wall mount Oyster	61LUBBR	\$9.95
Wall mount Black	61LUBBRB	\$9.95



O. C. White Mic Arms

This complete series of mic arms and accessories accommodates virtually all mics, providing strength and durability in microphone installation. Grey, with models in black available by special order at extra cost.



Single mic arm with riser	60OCSMAR	MFR LIST	\$128.00
Single mic arm only	60OCSMA	MFR LIST	\$93.00
Two joint single mic arm	60OCTJSMA	MFR LIST	\$179.00
Triple mic arm with riser	60OCTMA	MFR LIST	\$419.00

Call Bradley for information on other configurations and mounts and a current price quotation.

Rane MS1 Mic Preamp

Going from the output of a microphone into an otherwise line level world is a common problem. The simple answer is the Rane MS1 mic preamp with a minimum of noise, distortion, cost, and hassle. Only 1.65"H x 5.1"W x 4.25"D, the MS1 is designed to be installed where you need it. It provides switchable (+15VDC) phantom power, continuous rotary gain trim between 20dB and 60dB, LED overload indicator, XLR input connector, and balanced TRS 1/4" output. The MS1 uses one of the finest ultra low noise amplifier designs available featuring true differential inputs with high common mode rejection.

MS1	60RNMS1	MFR LIST	\$189.00
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Call Bradley for a current price quotation.

ATI Mic Preamps

Microphones are a basic necessity. Treat them properly with ATI mic preamps and hear the difference.

The M100 *Ultimike* is a small, rugged, full featured preamp that can be mounted near the audio source and has an unusually quiet active balanced instrumentation type input stage with impressive hum and RF rejection. Built in are a switchable limiter and low-cut filter. Gain is adjustable over a wide range, plus a front panel jack allows you 15dB of gain trim from a remote location with a 10K pot. For condenser mics, 48V phantom power is available at the flip of a switch. A phase reversing switch is on the front panel, and XLR connectors are used for inputs and outputs.

The M1000 is a dual microphone preamplifier for use as a stereo mic preamp or for two mono mics. Versions are available with transformer or balanced differential outputs, with or without switchable 48V phantom power.

Ultimike	60AIM100	MFR LIST	\$349.00
M1000 transformer output	60AIM10001	MFR LIST	\$429.00
M1000 differential output	60AIM10002	MFR LIST	\$399.00

Call Bradley for a current price quotation.



M1000 transformer output, phantom power	60AIM10001P	MFR LIST	\$459.00
M1000 differential output, phantom power	60AIM10002P	MFR LIST	\$429.00
Accessories:			
Rack mount kit for one M1000	60AI20021	MFR LIST	\$20.00
Rack mount kit for two M1000	60AI20024	MFR LIST	\$25.00



Stewart Phantom Power Supplies

Stewart phantom supplies are a reliable alternative to supplies that cost too much. They may be used with most microphones or accessories requiring 48 volts DC. The modules contain the audio connectors, power regulator, and all associated isolation circuitry. Up to 12 channels can be powered from a single PS-1 AC converter. Modules are easily interconnected with cables using standard 1/4" TS phone plugs. For field work, use the BPS-1 battery supply which uses two 9V batteries to produce 48VDC phantom power for a single mic.

PMO-1 one channel module	60SEPM1	\$59.00
PMO-2 two channel module	60SEPM2	\$95.00
PMO-4 four channel module	60SEPM4	\$120.00
PS-1 AC converter	60SEP1	\$17.00
BPS-1 battery powered supply	60SEBPS1	\$95.00



Symetrix 528 Mic 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, or as a specialized processor for recording and sound reinforcement. Switchable phantom power is provided for condenser mics. The comprehensive front panel controls and metering enable you to tailor voices to your requirements.

528	60SY528	<i>MFR LIST</i>	\$679.00
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Call Bradley for a current price quotation.

Symetrix SX202 Dual Mic Preamp

Designed for critical analog or digital recording, the SX202 has variable gain inputs with 15dB pads and selectable 48VDC phantom powering. When used with a stereo pair of mics, the SX202 has the advantages of less than 10° phase shift at 20kHz and a polarity switch on one channel. This unit boasts low noise and distortion, as well as excellent transient characteristics.

SX202	60SYSX202	<i>MFR LIST</i>	\$299.00
Rack mount kit for one or two SX series units.	60SYRM2	<i>MFR LIST</i>	\$39.00



Call Bradley for a current price quotation.

Orban 787A Mic Processor

The 787A is a three-band parametric equalizer, compressor, de-esser, noise gate, and compressor gate integrated into a compact and powerful rack mounted system. It stands apart from similar mic processors in that it is fully programmable. Up to 32 different programs can be saved, instantly recalled, and A/B compared. In the absence of line power, the memory is held by an internal lithium battery. Control settings can be locked with a security code to prevent unauthorized tampering. The 787A's standard line input will accept a direct mic input with an optional ultra-low noise Jensen transformer mic preamp. Transformer-coupled to ensure RF immunity, this preamp is vastly superior to most console preamps.

The 787A can be used in broadcasting to individualize processing for any of several announcers. At each change of announcer, the appropriate program can be instantly recalled. In the newsroom, the 787A provides in three rack spaces a complete processing facility for dubbing reporters' cassette interviews, processing "voicers", and even dramatically improving phone feeds. In multitrack recording and production the 787A can store preferred settings for individual voices. Whatever your audio specialty, the Orban 787A is a powerful processing arsenal.



787A/U	60OB787A	<i>MFR LIST</i>	\$1450.00
787A/UP with Jensen transformer mic preamp.	60OB787AP	<i>MFR LIST</i>	\$1645.00
787A/UX with MIDI or RS-232 serial port.	60OB787AX	<i>MFR LIST</i>	\$1545.00
787A/UPX with Jensen transformer mic preamp and serial port.	60OB787APX	<i>MFR LIST</i>	\$1740.00

Accessories:

Slave channel for 787A for dual mono or stereo operation.	60OB787ASL	<i>MFR LIST</i>	\$1150.00
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Call Bradley for a current price quotation.



Telex Wireless Systems



FMR-4 System

Telex offers the FMR-100 and FMR-70 diversity systems, as well as the FMR-4 and ENG-4 multichannel systems. Use the dollar amounts shown to budget your system. Then call your Bradley professional for a great package deal and details on options and accessories.

Telex Multichannel Wireless Systems

FMR-4 Diversity Receiver

- 20 stock frequencies; use 18 systems together
- Frequency agile (Four channels)
- 104dB S/N

60TXFMR4 MFR LIST \$2000.00

ENG-4 Non-Diversity Portable Receiver

- 20 stock frequencies; use 18 systems together
- Frequency agile (Four channels)
- 104dB S/N
- Portable runs on four "AA" cells
- Ideal for camera-mount or where AC is unavailable

60TXENG4 MFR LIST \$1500.00

WT-400 Belt Pack Transmitter

- Frequency agile (Two channels)
- Lemo connector

60TXWT400 MFR LIST \$1000.00

Microphones for WT-400

WLM-200 Omnidirectional lav
60TXWLM200 MFR LIST \$135.00

ELM-22L Ultra Mini omnidirectional lav
60TXELM22L MFR LIST \$200.00

ELM-33L Ultra Mini unidirectional lav
60TXELM33L MFR LIST \$205.00

HT-400 Dual Channel Hand Held Transmitters

HT-400/10 Condenser, Telex TE 10 head
60TXHT40010 MFR LIST \$1050.00

HT-400/58 Dynamic, Shure SM58 head
60TXHT40058 MFR LIST \$1200.00

HT-400/87 Condenser, Shure SM87 head
60TXHT40087 MFR LIST \$1300.00

Telex Single Channel Diversity Systems

FMR-100 Diversity Receiver

- 10 stock frequencies; use 12 systems together
- 104dB S/N
- Dual meters; balanced mic output
- Silent "noise-up" relay eliminates noise bursts

60TXFMR100 MFR LIST \$567.00

FMR-70 Diversity Receiver

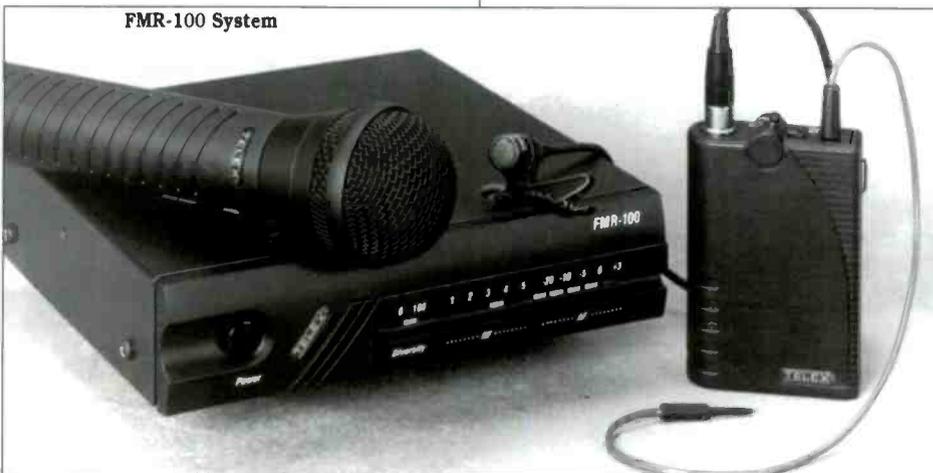
- 10 stock frequencies; use six systems together
- 94dB S/N

60TXFMR70 MFR LIST \$329.00

WT-80 Belt Pack Transmitter

- Single channel, metal construction
- TA4 connector

60TXWT80 MFR LIST \$433.00



FMR-100 System

WT-60 Belt Pack Transmitter

- Single channel, ABS plastic construction
- TA4 connector

60TXWT60 MFR LIST \$279.00

WT-55 Belt Pack Transmitter

- Single channel, economy model
- TA4 connector

60TXWT55 MFR LIST \$235.00

Microphones for WT-80, WT-60, and WT-55

WLM-50 Omnidirectional lav
60TXWLM50 MFR LIST \$93.00

Sony ECM-144 Omnidirectional lav
60TXS0144 MFR LIST \$90.00

Audio-Technica AT-831b Unidirectional lav
60TXAT831 MFR LIST \$140.00

ELM-22S Ultra Mini omnidirectional lav
60TXELM22S MFR LIST \$195.00

ELM-33S Ultra Mini unidirectional lav
60TXELM33S MFR LIST \$200.00

HT-100 Hand Held Transmitters

HT-100/10 Condenser, Telex TE-10 head
60TXHT10010 MFR LIST \$381.00

HT-100/11 Dynamic, Telex TE-11 head
60TXHT10011 MFR LIST \$381.00

HT100/58 Dynamic, Shure SM58 head
60TXHT10058 MFR LIST \$443.00

HT100/757 Dynamic, EV N/D 757 head
60TXHT100757 MFR LIST \$473.00

HT-100/87 Condenser, Shure SM87 head
60TXHT10087 MFR LIST \$638.00



Shure L Series Wireless Systems

If you have any doubts about affordable VHF wireless, you can rest a-Shure-d with Shure's L Series. Available in both diversity and non-diversity systems, the performance and price of the L Series will certainly please you. The non-diversity L3 receiver features double tuned RF stages with high gain, low noise MOS-FETs for sensitive, interference-free operation. The true diversity L4 receiver features MARCAD (Maximum Ratio Combining Audio Diversity). In addition to providing the benefits of two independent RF sections, MARCAD combines the signals for improved signal-to-noise ratio and outstanding reception. Both the L3 and L4 offer a 102dB dynamic range.

The rugged L11 body pack transmitter has noiseless muting and extended dynamic range. It can be used with a variety of lavalier mics and instrument outputs. For hand held applications, choose between units with an SM58 dynamic element or SM87 condenser element.

Systems are priced below and individual components are available. Optional accessories include rack mount kits for the receivers and an antenna splitter with power supply for multiple receiver systems.

Non-Diversity Lavalier System

w/L3 receiver, L11 bodypack transmitter, mic

SM84W uni mic 60SHLS1384 *MFR LIST* **\$505.00**

Non-Diversity Handheld System

w/L3 receiver and handheld transmitter

SM58 capsule 60SHLS2358 *MFR LIST* **\$550.00**



Diversity Lavalier Systems

w/L4 receiver, L11 bodypack transmitter, mic

SM83W omni mic 60SHLS1483 *MFR LIST* **\$605.00**

SM84W uni mic 60SHLS1484 *MFR LIST* **\$645.00**

Diversity Handheld Systems

w/L4 receiver and handheld transmitter

SM58 capsule 60SHLS2458 *MFR LIST* **\$690.00**

SM87 capsule 60SHLS2487 *MFR LIST* **\$750.00**

Accessory:

WA404 Antenna Splitter

60SHWA404 *MFR LIST* **\$600.00**

Call Bradley for a current price quotation.

Shure SC Series Wireless Systems



Shure also listened when you said you wanted an affordable wireless mic system that would let you change frequencies if you start picking up interference. The new SC Series is a diversity VHF system that lets you choose among eight frequencies (four in traveling models), selectable in seconds, all with MARCAD performance. A battery "fuel gauge" right on the mic handle or bodypack tells you how much life is left in the 9V or optional Ni-cad battery.

Tone Key Squelch lets you turn the transmitter power on or off without unwanted noise; the receiver remains muted, so undesired signals don't get into the system. Each receiver occupies only a half-rack space; mount two side by side, or center-mount one, or mount one receiver plus two front-mount antennas. System response is 50-15kHz ± 2dB, with 100dB S/N (A-weighted).

SC Series Diversity Lavalier Systems

w/receiver, bodypack transmitter, WL83A omni lavalier mic, two 1/4 wave antennas, rack kit

SC14/83-F with front antenna rack mount kit
60SHSC1483F *MFR LIST* **\$795.00**

SC14/83-S with single rack mount kit
60SHSC1483S *MFR LIST* **\$775.00**

SC14/83-D with dual rack mount kit to accommodate a second receiver
60SHSC1483D *MFR LIST* **\$775.00**

SC Lavalier Systems are also available with unidirectional lav, omni micro-lav, or headworn microphones. Call for details.



SC Series Diversity Handheld Systems

w/receiver, handheld transmitter with SM87 mic element, two 1/4 wave antennas, rack kit

SC24/87-F with front antenna rack mount kit
60SHSC2487F *MFR LIST* **\$955.00**

SC24/87-S with single rack mount kit
60SHSC2487S *MFR LIST* **\$935.00**

SC24/87-D with dual rack mount kit to accommodate a second receiver
60SHSC2487D *MFR LIST* **\$935.00**

SC Handheld Systems are also available with an SM58 mic element.

Call Bradley for a current price quotation.

Sony UHF Wireless

This UHF wireless mic system operates in the relatively vacant 800MHz band which is hardly affected by external noise and interference with other wireless systems. Phase Locked Loop synthesis controls both the transmit and receive frequencies. The space diversity system offers stable reception at extended operating distances. Presets are programmed into each tuner for instant configuration of systems using up to 11 channels simultaneously.

Receivers are one rack space tall and include rack ears. Antennas are powered from the receiver and are purchased separately. Both transmitters and receivers feature a multi-function LCD status display.



WRR-820A Diversity Receiver	60SOWRR820A	MFR LIST	\$1420.00
WRR-840A Dual Diversity Receiver	60SOWRR840A	MFR LIST	\$2120.00
WRR-810A68 Portable Receiver with antenna (uses two "AA" cells)	60SOWRR810A68	MFR LIST	\$1155.00
WRT-810A Handheld Transmitter	60SOWRT810A	MFR LIST	\$870.00

WRT-820A Bodypack Transmitter with Sony Lavalier Mic
60SOWRT820XXX MFR LIST \$865.00-\$1065.00

AN-820A Antenna with built in amp
60SOAN820A MFR LIST \$179.00

WD-820A Antenna Distributor for using two antennas with up to four receivers
60SOWD820A MFR LIST \$1270.00

Call Bradley for a current price quotation.

Dorrough Model 40-A Loudness Monitor

The war has raged 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. The Dorrough Loudness Monitor uses a three color, 40 LED array with two simultaneous displays. A bar graph shows perceived loudness while a bright-dot display indicates electrical peak levels. Display range -25dB to +14dB (rel. to zero, which can be set from -30 to +20dBm). Input is screw terminal, direct coupled balanced bridging.



40-A	60DR40A	MFR LIST	\$475.00
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Call Bradley for a current price quotation.

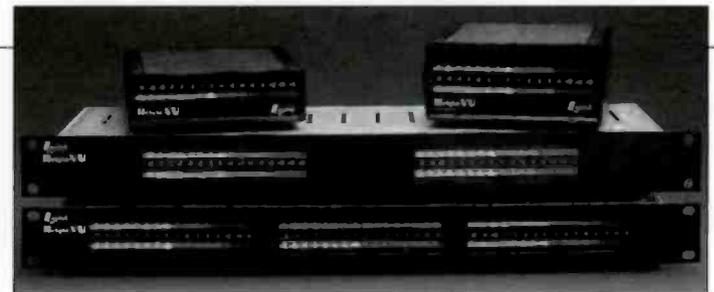
Accessory:

Rack mount kits (3 1/2" high)

For one meter	60DR40SR	MFR LIST	\$45.00
For two meters	60DR40DR	MFR LIST	\$45.00

Logitek Bright VU

Bright VU is a three color coded LED meter. It bridges onto any audio circuit via a balanced high impedance rear panel input. Sensitivity is adjustable to accommodate any system operating level from -20dBm to +20dBm. Ballistics are switchable for either peak or average. Bright VU is ideal for level monitoring in large control rooms where distances make even the largest standard VU meters difficult to read. Individual meter channels can be set to display either average (VU) or peak (PPM) levels. Available in complete, rack mounting sets that are one rack space high, or as individual meters.



Single stereo package	60LTBV2C	MFR LIST	\$545.00
Dual stereo package	60LTBV4S	MFR LIST	\$795.00
Triple stereo package	60LTBV6S	MFR LIST	\$995.00
Mono meter in enclosure. Requires power supply.	60LTBVUM	MFR LIST	\$205.00

Stereo meter in enclosure. Requires power supply.
60LTBVUS MFR LIST \$340.00

Power supply for two mono or one stereo Bright VU.
60LTBVUPS MFR LIST \$50.00

Call Bradley for a current price quotation.



Dorrough 1200 Stereo Signal Test Set

The 1200 is a modern version of the classic "gain set." The unit includes two Dorrough Loudness Meters which indicate both peak and average levels on a single display. Front panel controls allow accurate measurement of signals in numerous ranges down as low as -76dBm. The meters may be operated in either Left and Right or Sum and Difference formats. This test set can be invaluable in setting levels, checking cross-talk, and many other measurements.

1200 60DR1200 MFR LIST **\$1650.00**



Call Bradley for a current price quotation.

TOA DT-910 AM/FM Tuner

The DT-910 provides highly sensitive reception and extremely stable operation. Employing a quartz locked, frequency synthesized, digital tuning system, the DT-910 provides memory for 10 AM and 10 FM preset stations. Front panel controls allow the choice of AM or FM and up or down station selection. Included in the DT-910 is a signal strength meter and automatic next station scan with next station display.

DT-910 60TODT910 MFR LIST **\$438.00**



Accessory:

Rack mount kit 60TOMBTD910 MFR LIST **\$72.00**

Call Bradley for a current price quotation.

Technics AM/FM Receivers

Here's a receiver with performance good enough for critical monitoring. Seventy watts of power per channel will drive almost any speakers to ear shattering levels. Four external audio inputs (one RIAA equalized) allow you to monitor a turntable, CD player, cassette deck, and maybe a feed from the production room. The 36 key wireless remote control allows convenient operation. Thirty station presets permit monitoring your station, the competition, and several stations that play what you'd rather hear.

SA-GX130 60TCSAGX130 MFR LIST **\$229.00**

Also available:

SA-GX350 with 100 watts/channel, Dolby Pro Logic Surround Sound, new Class A design amp, digital rotary encoded tuning, two A/C outlets.

SA-GX350 60TCSAGX350 MFR LIST **\$340.00**



SA-GX550 with 110 watts/channel, Dolby Pro Logic Surround Sound, center channel amp, parametric EQ with six curve presets, loudness control for added bass, and more.

SA-GX550 60TCSAGX550 MFR LIST **\$449.00**

Call Bradley for a current price quotation.

Denon TU-660 AM/FM Tuner

The TU-660 was the first tuner with an AM section to meet the NRSC standards for audio de-emphasis, bandwidth, and noise filtering. In addition, it has superior FM Stereo reception ability. Thirty station presets and a full set of tuning modes are among this unit's fine features.

TU-660 60DETU660 MFR LIST **\$330.00**

Call Bradley for a current price quotation.



Accessory:

Rack mount shelf 61MADETU660 **\$89.00**

Gentner Silence Sensor

This is a silence sensor that does something more than just make noise when things get quiet. On detecting silence, an open collector output (capable of sinking 250mA, 48VDC, non-inductive) is activated. Simultaneously, a timer is activated. At the end of the time period, a second open collector output and a relay closure are also activated. Use the first output for an alarm, and the second output for a second, louder alarm while the relay closure starts a backup tape machine. The timer's period is user adjustable over a range of 0-99 seconds or 0-99 minutes.



The Silence Sensor is ideal as a failsafe device when using a dial-up transmitter remote control such as the Gentner VRC-2000.

Silence Sensor 60GESS MFR LIST **\$509.00**

Call Bradley for a current price quotation.



World Band Receivers



No longer must you purchase bulky, expensive receivers to listen to shortwave broadcast and other HF bands. Eavesdrop on the BBC, Radio Moscow, and a smorgasbord of international broadcasts with Bradley's lineup of convenient receivers. They're great for news departments.

Panasonic's RF-B45 has convenient digital tuning and single side band capability so you can listen in on ham operators during natural disasters and weather emergencies. Pre-set up to 18 stations. A clock timer is built into this rugged, 1½ pound receiver, which can operate on four "AA" cells or an optional adapter.

Sony's ICF-7601 is an economical radio with analog tuning, about the size of a paperback book. Monitor ten SW bands plus MW and FM. It takes four "AA" cells.

Sony's ICF-SW1S puts the world in your palm, weighing only about eight ounces. Ten station presets, manual/auto scanning, and a built-in clock with alarm are standard. Operates on two "AA" cells or the provided adapter. Headphones and carrying case included.

Sony's ICF-SW55 is ideal for the serious world band listener. It comes preset with 20 stations, and will accept 125 presets. A mini-jack output allows tape recording. Clock/timer functions include alarm, sleep timer, world time scale, and more. This is a heavy duty, two pound receiver. A carrying case, earphones, and multivoltage AC adapter are supplied; it will also run on four "AA" cells.

Panasonic RF-B45 Shortwave Receiver

60PARFB45 MFR LIST \$199.00

RP-65 A/C Adapter 61PARP65 MFR LIST \$6.95



Sony ICF-7601 Receiver

60SOICF7601 MFR LIST \$129.95

Sony ICF-SW1S Receiver (pictured)

60SOICFSW1S MFR LIST \$349.95

Sony ICF-SW55

60SOICFSW55 MFR LIST \$389.95

Call Bradley for a current price quotation.

Belar AS-1 Audio Sentry

Silence is golden, except when it's your station that's silent! A silence sensor is an absolute necessity for unattended satellite or automation systems, or for AM/FM combo operations where only one station is monitored off the air. The AS-1 has both aural and visual alarms. A front panel push button lets you silence the aural alarm while you're troubleshooting, and rear panel connections also allow you to also use an external alarm. Upon restoration of audio, the AS-1 automatically resets. Order an AS-1 today; it's inexpensive insurance.



AS-1

60BLAS1

MFR LIST

\$295.00

Call Bradley for a current price quotation.

Wohler Powered Stereo Monitors

Compact design and clear stereo monitoring make these ideal for VTR's, production vans, cable facilities, teleconferencing, satellite links, you name it. These powered rack-mount speaker systems have thorough magnetic shielding. The design of the AMP-1A (top) creates bass and treble response from below 100Hz to above 10kHz, at levels loud enough for a busy production room or mobile truck. Mid- and high-frequency material is reproduced through the left and right speakers, while low frequency material is combined into the center driver. The AMP-1A is only 1RU and it requires only 15" of depth, including connectors. Options such as phase indicators, meters, and headphone output are available.

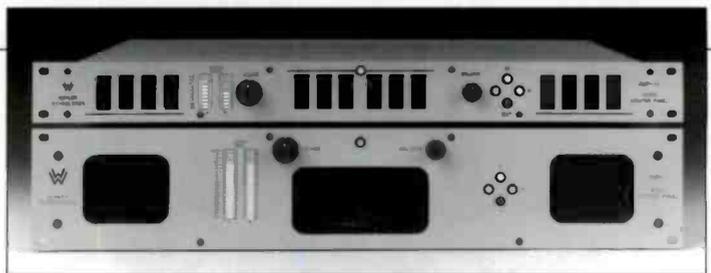
For extended response with even louder capabilities, the two rack unit AMP-2 (bottom) is your choice. Also available is the economical AMP-9, which provides voice grade output in a one rack space chassis.

Also Available:

AMP-1APF- Same as AMP-1A, but with visual phase/polarity indicator. Shows amount of reverse polarity information in a two channel source. Also distinguishes stereo from mono and gives three state level indications (off, on, or over range).

AMP-1AF- Same as above, with visual phase/polarity indicator only.

AMP-1AP- Same as above, but with level meters only.



AMP-1A

60WOAMP1A

MFR LIST

\$720.00

AMP-2

60WOAMP2

MFR LIST

\$1100.00

AMP-9

60WOAMP9

MFR LIST

\$515.00

AMP-1APF

60WOAMP1APF

MFR LIST

\$1,000.00

AMP-1AF

60WOAMP1AF

MFR LIST

\$840.00

AMP-1AP

60WOAMP1AP

MFR LIST

\$880.00

Call Bradley for a current price quotation.



Fostex 6301B

No matter how sophisticated a facility you have, it always seems that you can use additional audio monitoring capability. We love these convenient, high quality powered monitors. Measuring only 7 1/4" x 4 3/4" x 5", the 6301B packs 10 watts RMS power and 80Hz to 13kHz response into each unit. Use them alone for mono, in pairs for stereo, or throughout your station as a house monitor system. Accepts input levels as low as -10dBV. The 6301B has a 1/4" TS input. The 6301B/EAV adds an active balanced XLR input and special magnetic shielding, so it can be mounted adjacent to video monitors or other sensitive equipment without causing interference. 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.



6301B	60FO6301	\$179.00 ea
6301B/EAV	60FO6301X	\$209.00 ea

Accessories:

Rack kit for single unit	61MA6301RM	\$60.00
Rack kit for two units	61MA6301RMD	\$68.00

Anchor AN-1000X

The AN-1000X is a full range (70Hz to 14kHz, ±4dB) powered monitor speaker. It features a 50 watt MOS-FET amplifier and Anchor's Audio Contour equalization network for full range, low level listening. The unit only measures 5 1/4" high, 8" wide, and 8 1/2" deep. Line input is 1/4" TS, and a balanced XLR mic or line input can be ordered. Anchor offers a variety of configuration options.



AN-1000X	60AN1000X	<i>MFR LIST</i>	\$409.00 ea
AN-1001X unpowered monitor driven by AN-1000X.	60AN1001	<i>MFR LIST</i>	\$149.00 ea

Accessories:

Single Rackmount	60ANRM1	<i>MFR LIST</i>	\$55.00
Dual Rackmount	60ANRM12	<i>MFR LIST</i>	\$63.00
Speaker Stand	60ANSS450	<i>MFR LIST</i>	\$169.00

Call Bradley for a current price quotation.

Auratone 5RMC Multi-Channel Speaker

Here's a unique monitoring system: three independent Auratone speakers in one compact enclosure. Only 5 1/4" high, it can sit on top of your console or, with optional ears, be rack mounted. Frequency response is 100Hz to 12.5kHz, ±3dB. Power handling is 40 watts for each speaker. Use this great set to simultaneously monitor the mono sum as well as left and right, or use them at the transmitter for simultaneous AM and FM monitoring. Put your imagination to work and you'll find many applications.



5RMC	60AA5MC	<i>MFR LIST</i>	\$210.00 ea
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Accessory:

Rack ears	60AA5MCR	<i>MFR LIST</i>	\$9.95
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Call Bradley for a current price quotation.

Auratone 5PSC Primo Sound Cubes

These monitors have been upgraded with a shielded driver for even better performance. Durability, smooth full range response, 35 watts nominal power handling, and portability make the Auratone a favorite for comparison and final mixes, auditioning, remotes, and as a reference standard speaker. Woodgrain, black, or white vinyl finish with matching removable, fabric grille.



Walnut	60AA5C	\$119.00 pair
Black	60AA5CB	\$119.00 pair
White	60AA5CW	\$119.00 pair



Tannoy Systems 6 & 8 NFM II

Good power handling and wide frequency response make these monitors suitable for nearfield work. The single point source design allows for accurate location of sounds within the stereo field. The System 6 NFM II has a new 6.5" dual concentric wave guide; the compact design of the 22" high cabinet reduces sight line obstruction. The System 8 speaker uses an 8" dual concentric driver and adds some nice touches like woven internal wiring, gold-plated contacts, and HF rear cavity absorber.

Response of both systems is at least 52Hz to 25kHz \pm 3dB. Designed for 20 to 120 watt amplifiers, the System 6 can handle 175 watts peak and the System 8 handles 200 watts peak.

System 6 NFM II

60TAS6NFM MFR LIST \$795.00 pair

System 8 NFM II

60TAS8NFM MFR LIST \$1295.00 pair

Call Bradley for a current price quotation.



Tannoy PBM II Series

For excellent sound in applications where space is tight, the award winning PBM near-field monitors merit a good look. These compact and lightweight enclosures fit on console tops or in small shelf areas. For example, the 12" high PBM 5 has a 5" woofer and 3/4" dome tweeter with the smooth, wide-range sound characteristic of Tannoy's famous larger studio monitors. The PBM 6.5 has a 6 1/2" woofer and the PBM 8 has an 8", for extended low frequency response. The high sensitivity of these speakers permits their use with lower power amplifiers. External finish is vinyl matte grey with black cloth grilles, which are removable. We know you'll be pleased with the sound you'll get from these small monitors.

PBM 5 II	60TAPBM5II	\$259.00 pair
PBM 6.5 II	60TAPBM65II	\$349.00 pair
PBM 8 II	60TAPBM8II	\$625.00 pair

Call Bradley for a current price quotation.



JBL 4200 Series Studio Monitors

These speakers bring a new look and a new sound to console-top, near field monitoring. The unique Multi-Radial baffle optimizes stereo imaging between three and five feet from the speakers. Both the new 1" titanium high frequency transducer and low frequency components are shielded for use close to video monitors and other sensitive equipment. Woofers are 6 1/2" on the 4206 and 8" on the 4208. The enclosures are covered with gray vinyl and the front baffles are injected molded polypropylene.

4206	60JB4206	MFR LIST	\$210.00 ea
4208	60JB4208	MFR LIST	\$275.00 ea

Call Bradley for a current price quotation.



Electro-Voice S-40 Compact Monitor Speaker

Only E-V could pack this much sound into such a compact package. The S-40 features a 5 1/4" direct-radiating polypropylene woofer and a 1" ferro-cooled soft dome tweeter in a high-impact polystyrene enclosure that is only 9.8" x 7" x 5.9". The drivers produce an exceptionally smooth response and have low flux leakage designs enabling placement close to video monitors. Long term power handling is rated at 160 watts and protection circuits prevent against accidental overload. The S-40 comes with threaded inserts for Omnimount Series 25 mounts and a U-type mounting bracket is optionally available.

S-40 Black	60ELS40	MFR LIST	\$289.00 pair
S-40 White	60ELS40W	MFR LIST	\$289.00 pair

Accessories:

Black U-type bracket

60ELS40MB MFR LIST \$30.00 pair

White U-type bracket

60ELS40MBW MFR LIST \$30.00 pair

Call Bradley for a current price quotation.



Omnimount Universal Mounting Systems

These durable and functional mounting systems come in models to meet any installation requirement. The patented ball and clamp assembly enables omnidirectional movement. Wiring can be hidden in the assembly for a dressed installation. The 50 series holds up to 20 pounds, the 75 series is rated for 40 pounds, and the 100 series will hold 70 pounds. The "WB-BC" bottom mount has a double bend tube to hold the speaker from its bottom. The "WA-BC" is of similar design, but has a single bend tube to hold the device from the rear. Also available is the "CA-MP" ceiling mount, several other configurations, and series with greater load handling. Your Bradley professional can help you select the right Omnimount for the job.



50 WA-BC	600M50WA	\$38.00	75 CA-MP	600M75CAMP	\$57.00
50 WB-BC	600M50WBBC	\$38.00	100 WA-BC	600M100WA	\$68.00
50 CA-MP	600M50CAMP	\$43.00	100 WB-BC	600M100WB	\$68.00
75 WA-BC	600M75WABC	\$57.00	100 CA-MP	600M100CAMP	\$68.00
75 WB-BC	600M75WBBC	\$57.00			

Pivotelli Speaker Brackets

These universal brackets are known for their outstanding performance in a supporting role. They hold speakers weighing up to 44 pounds and between 4" and 10" deep. The speakers are clamped front and back, and, while screw holes are provided on the bottom of the bracket, screwing into most speakers is not required. Speakers can swing side to side and tilt up and down. The distance to the wall is also adjustable. Pivotelli brackets have a five year warranty, and are packed with complete hardware for installation into wooden wall studs, brick, or concrete.

Speaker Brackets

60PVSS MFR LIST \$89.95 pair

Accessory:

Metal stud kit must be used for mounting on metal studs. Order two kits for each pair of brackets.

60PVMKS MFR LIST \$10.00



JBL Control Monitors

1. Control One

The Control One two way loudspeaker system is a small, high performance monitor especially suited to broadcast and video applications. It is made of a molded polypropylene material with special magnetic shielding. As a result, it can be mounted adjacent to video monitors or other sensitive equipment without causing interference. High power handling capacity and excellent audio quality make it suitable for even your most demanding monitoring needs.

Control One 60JBCNTRL1 MFR LIST \$260.00 pair

Control One Plus

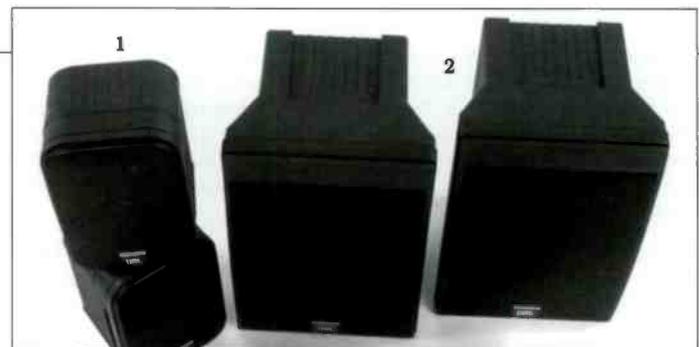
Identical in shape to the Control One, the Plus version offers greater bandwidth and better bass response. Produced in matched, mirror image pairs for superior stereo imaging.

Control One Plus 60JBCNTRL1P MFR LIST \$330.00 pair

2. Control Five

Like the Control One, the Control Five is made of a molded polypropylene material with special magnetic shielding and is especially suited to broadcast and video applications. The system consists of a titanium dome tweeter and a 6 1/2" woofer. The dividing network incorporates protection circuitry to prevent overload damage, and uses high quality components for excellent transient response. The Control 5 is very efficient, and can handle high power for sound output greater than you might expect from a compact monitor system. Mount with Omnimount 75 series or with MTC-53 for rack mounting.

Control Five 60JBCNTRL5 MFR LIST \$450.00 pair



Accessories:

MTC-2

Universal Mount allows mounting of Control One and Control One Plus monitors on any rigid surface while permitting the speaker to be aimed in almost any direction.

MTC-2 60JBMT2 MFR LIST \$50.00 ea

MTC-53 rack mount kit for a pair of Control 5 monitors.

60JBMT53 MFR LIST \$80.00 set

Call Bradley for a current price quotation.



JBL and UREI Monitor Speakers

The 4400 series continues the tradition of quality JBL has established in small studio monitors. They produce flat on-axis and smooth off-axis response, critical to accuracy. Careful attention has been given to dividing networks so that undesirable interaction between drivers is negligible. The ribbed dome tweeters use a titanium diaphragm, and the mid- and low-frequency drivers use JBL's exclusive Symmetrical Field Geometry magnetic structure which is designed to reduce distortion components.

The 4408A is a two way, 8" woofer system ideal for broadcast and general monitoring applications.

The 4410A is a powerful three way, 10" woofer studio monitor that gives exceptional spatial detail because of its vertical, in-line driver array.

The 4412A is a three way, 12" woofer studio monitor that has superior efficiency, greater power handling capacity, and extended bandwidth.

UREI 809A Time Align monitors have become a reference standard because of their unquestioned accuracy in a size and price range suitable for almost any near field monitoring application. This design uses a coaxial driver to achieve very low smear (phase distortion) and super-accurate stereo imaging. The 12" driver incorporates a ceramic magnetic 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'll knock over a wall before blowing one out. Response is 50Hz to 17.5kHz, ± 3 dB.

Price shown is per speaker. Add R or L to part number to specify Right or Left when ordering.

(1) 4408A	60JB4408X	MFR LIST	\$325.00 ea
(2) 4410A	60JB4410X	MFR LIST	\$450.00 ea
(3) 4412A	60JB4412X	MFR LIST	\$725.00 ea
(4) 809A	60UR809X	MFR LIST	\$895.00 ea

Accessories:

Rack mount kit for one 4408	60JBMR4408	MFR LIST	\$35.00
Grille for UREI 809A	60UR809G	MFR LIST	\$50.00



Call Bradley for a current price quotation.

Electro-Voice Sentry 100A

A compact and economical monitor for use where sound quality is of primary concern. The Sentry 100A features an 8" woofer and a SuperDome tweeter that responds up to 18kHz and can survive accidental high frequency blasts from tape head contact during fast forward/rewind. The 100A is popular in broadcast and video production. Finished in black with a removable gray grille.

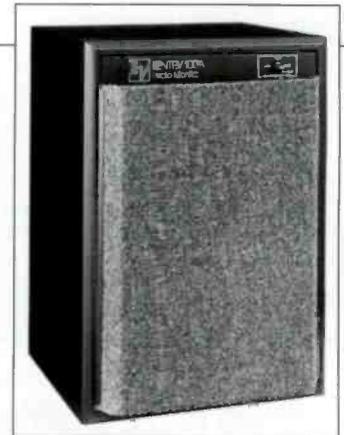
100A	60ELSEN100	MFR LIST	\$355.00 ea
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Also available:

Sentry 100EL is a powered version of the Sentry 100A which has an internal 50 watt amplifier. 60ELSEN100EL MFR LIST \$750.00 ea

Accessory:

Rack mount kit for Sentry 100A and 100EL	60ELSRB7	MFR LIST	\$37.50 ea
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Yamaha NS-10M Studio

In recent years, the Yamaha NS-10M Studio has found wide acceptance as a near-field production reference monitor. Its 7½" woofer and 1½" soft dome tweeter create surprisingly smooth 60Hz to 20kHz response, while still giving the listener a good feel for how the material will sound when played on a more modest system. The NS-10M Studio has become a familiar sight perched on top of major studios' consoles. It's wise to use monitors that will be compatible with those of other studios when material will be worked on in more than one location. For the price of a pair of NS-10M Studios, that reassurance comes easily.

NS-10M Studio 60YANS10MS *MFR LIST* **\$538.00 pair**

Also available:

NS-10MC is a commercial version of the NS-10M Studio intended for installation. The cabinet accommodates several types of mounting brackets, and a black cloth grille is included. These have the identical performance of the studio version.

NS-10MC 60YANS10MC *MFR LIST* **\$478.00 pair**

Call Bradley for a current price quotation.



Carver Power Amplifiers

These amps pack a host of professional features. All feature XLR, TRS, and barrier strip inputs, dual front panel level controls, headphone jack, and full protection circuitry. Per channel output at 8 ohms is 40 watts for the PM-120, 110 watts for the PM-300, and 200 watts for the PM-600. The PM-120 and PM-300 are only one rack unit high, while the PM-600 is two units high. Extremely low noise and wide, flat response make these an excellent choice to drive studio monitors.

PM-120 60CVPM120 *MFR LIST* **\$560.00**

PM-300 60CVPM300 *MFR LIST* **\$750.00**

PM-600 60CVPM600 *MFR LIST* **\$860.00**



Also available:

We carry the full range of Carver power amplifiers for sound reinforcement. Call for details.

Call Bradley for a current price quotation.

Crown D75 Amplifier

The D75 is a most popular choice for control room or production monitor applications where accurate reproduction is a must. This amplifier can drive any type of load without fear of amp burnout, with 50 watts per channel into 8 ohms. THD is below 0.05%, IMD below 0.01%. Complete output protection, direct coupled circuitry with balanced XLR or unbalanced inputs, front panel level controls, and headphone output are all provided. 19" rack mount standard; uses only one rack space.

D75 60CR75 *MFR LIST* **\$549.00**

Call Bradley for a current price quotation.



Also available:

See the Sound Reinforcement section of this catalog for our complete selection of higher power Crown amps.

Symetrix A-220 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 XLR and unbalanced 1/4" TS input connections, and a rear panel switch to select stereo or mono bridge operation. With 0.08% distortion, the A-220 provides quality and value.

A-220 60SYA220 *MFR LIST* **\$349.00**



Call Bradley for a current price quotation.



Ashly CFT-1800 Amplifier



The CFT-1800 Amplifier is something new from Ashly: a beefy power amp with the performance of big MOS-FETs but minus the fan. The CFT-1800 is intended for use in broadcast and other studios where quiet convection cooling is preferred. In stereo operation, the CFT-1800 delivers 200 watts per channel into 8 ohms, and 300 into 4 ohms. Occupying only two rack spaces, the unit has rear-panel switches to choose between stereo or mono and normal or bridged modes. LED output meters are provided. For easy connection, balanced XLR, 1/4" TRS, and barrier strips are all standard.

The CFT-1800 is compatible with Ashly's Power Card Series of options, described on page 113.



CFT-1800 60ASCFT1800 *MFR LIST* **\$1080.00**

Call Bradley for a current price quotation.

Ashly SRA-120 Amplifier

Ashly has long been known for their high-quality, rugged power amplifiers. The SRA-120 is a single rack space amp that's perfect for bi-amplification or close-field monitoring. Delivering 60 watts per channel into 4 ohms (45 per channel into 8 ohms), the feisty SRA-120 utilizes a complementary bipolar output section for low distortion and excellent overload characteristics. It features turn-on delay circuitry and instantaneous turn-off, for protection against speaker damage.



SRA-120 60ASSRA120 *MFR LIST* **\$429.99**

Call Bradley for a current price quotation.

U.S. Audio P-12 Amplifier

The P-12 works perfectly as a headphone monitor amp. With 12 watts per channel in stereo, it's more than enough to drive even the least efficient pro headphones. The front-panel headphone jack is next to a speaker on/off switch so that a small pair of monitor speakers can also be selectively driven. A pair of LEDs will tell you if your signal is clipping. Why use a big beefy power amp when you can get something that does just what you need it to do for less?



P-12 60WHP12 *MFR LIST* **\$198.00**

Call Bradley for a current price quotation.

Stewart PA Series Half Rack Amplifiers

The PA50B provides 25 watts per channel stereo and 100 watts when bridged mono, and the PA100B will supply 50 watts and 200 watts respectively. Specifications rival much more expensive units, with response of 20Hz to 20kHz, ±0.5dB, S/N of 98dB, and distortion at 1kHz a mere 0.1%. The entire chassis on these potent little power amps serves as a heat sink and will keep them cool even when rack mounted and in constant use. Inputs are 1/4" balanced, level controls are tamper resistant screwdriver pots on the front panel. The PA200B, based on the PA100B, features front panel knobs instead of screwdriver access, 1/4" phone output jacks, and a Stewart IEQ circuit.



PA50B	60SEPA50B	<i>MFR LIST</i>	\$299.00
PA100B	60SEPA100B	<i>MFR LIST</i>	\$399.00
PA200B	60SEPA200B	<i>MFR LIST</i>	\$429.00

Accessories:
Single rack kit 60SERMK1 *MFR LIST* **\$20.00**
Dual rack kit 60SERMK2 *MFR LIST* **\$30.00**

Call Bradley for a current price quotation.



Yamaha P2075 Amplifier

Yamaha produces professional tools for professional people. Built in a rugged, convection cooled two rack space chassis, the P2075 will provide up to 50 continuous watts per channel, and can be switched into bridged mono operation. The recessed front panel input attenuators are 32 point detented and calibrated for accuracy. On the rear, the inputs are electronically balanced with 1/4" TRS and XLR connectors. Outputs are through binding posts and 1/4" jacks. Comprehensive overload, transient, DC offset, and output relay speaker protection add up to make a safe and reliable amplifier for any application.

P2075 60YAP2075 MFR LIST \$429.00

Call Bradley for a current price quotation.



Also available:

See the Sound Reinforcement section of this catalog for our complete selection of higher power Yamaha amplifiers.

Rane HC6 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 front and rear panel 1/4" TRS outputs. Each amplifier also has a separate mono balanced/unbalanced input, allowing the HC6 to be up to six independent amplifiers. A front panel master level control and mono/stereo push button are also provided. Rack mount is standard.



HC6 60RNHC6 MFR LIST \$429.00

Call Bradley for a current price quotation.

Symetrix SX204 Headphone Amplifier

One of the SX Series half-rack units, the SX204 is a 1 in, 4 out stereo headphone amplifier. Four independent stereo amps will drive even high-impedance headphones to maximum levels. Controls provided are master input level, stereo/mono switch, and individual level controls. Balanced or unbalanced inputs are on 1/4" TRS jacks, outputs also 1/4" TRS.

SX204 60SYSX204 MFR LIST \$299.00



Call Bradley for a current price quotation.

Accessory:

Rack mount kit for one or two SX series units.

60SYRM2 MFR LIST \$39.00

ATI HD1000 Headphone Amplifier

The HD1000 is a clean sounding, stand-alone headphone amp and serves as the heart of a comprehensive and flexible headphone distribution system. The HD1000 has a stereo line level input plus a front panel, panned mic input for paging and commentary. The two inputs may be mixed to drive the four headphone outputs, each with individual level control. Expansion outputs allow daisy chaining of any number of HD1000s or HD100 single headphone amp modules. The HD100 is compact and rugged for convenient installation anywhere.

HD1000 Mixer/Headphone Amp 60AIHD1000 MFR LIST \$479.00

HD100 Single Headphone Amp Module 60AIHD100 MFR LIST \$199.00



Accessories:

Rack mount for one HD1000 60AI20021 MFR LIST \$20.00

Rack mount for two HD1000s 60AI20024 MFR LIST \$25.00

Call Bradley for a current price quotation.

Benchmark Stereo Headphone Amplifiers

You can use additional headphone amps in your consoles, at your patch bay, in the talk studio, and several other locations around the facility. The Benchmark HPA-1 puts the monitoring right where you need it most. Capable of driving both low and high impedance headphones, the HPA-1 includes a gain pot adjustable from Off to +18dB. Requires ±9 to ±22VDC bipolar power to be user supplied.

For a high quality, self contained headphone amp, we offer the IFA-7. Separate left and right XLR inputs ease installation. Requires PS-1 power supply.

HPA-1 60BMHPA1 MFR LIST \$70.00

IFA-7 60BMIFA7 MFR LIST \$195.00



Accessory:

PS-1 power supply for IFA-7 60BMPS1 MFR LIST \$35.00

Call Bradley for a current price quotation.



Whirlwind Headphone Breakout Box

With two stereo inputs (for daisy chaining) wired to six resistor-bridged outputs, this passive headphone splitter is perfect for the recording studio or remote applications where multiple headphones are used. Housed in a heavy gauge, cold rolled steel box, the Box uses locking 1/4" TRS jacks to prevent accidental disconnection.



Headphone Box 61WHBB \$109.00

U.S. Audio Headphone Satellite Module



The U.S. Audio PHSAT Satellite Module accepts any stereo input and distributes it to either of two stereo outputs. It has parallel 1/4" TRS input/output connectors for daisy chaining as well as separate gain and pan controls and mono/stereo switching for two sets of two headphones. An optional mounting bracket will attach the PHSAT to a standard 5/8" thread mic stand.

PHSAT Satellite Module 60WHPHSAT *MFR LIST* \$149.00
PHCLIP mic stand mount 60WHPHCLIP *MFR LIST* \$17.95
 Call Bradley for a current price quotation.

AKG Headphones

K141/2

The K141/2 is a new version of this popular lightweight, comfortable headphone. It is semi-open featuring resonance-free characteristics but with freedom from low frequency side effects. The K141/2 provides a broad, flat response almost totally free of coloration. It produces sound which is warm, not boomy; open and present without harshness. Weighs in at only eight ounces. 600 ohms.

60AKK141 \$89.00



K240M

This circumaural stereo headphone provides excellent directional sound perspective and distance discrimination, faithfully simulating hearing in natural room conditions. Patented design combines main transducers and 12 passive diaphragms, providing crossover at 200Hz. Weighs 8 1/2 ounces. 600 ohms.

60AKK240 \$109.00



K240DF Studio Monitor

A calibrated version of the popular K240M. The K240DF is designed with a flat frequency response based on European requirements for a reference monitor headphone. Weighs 8 1/2 ounces. 600 ohms.

60AKK240DF \$129.00



Stanton 35M/HB

The 35M/HB is a single muff headphone with comfortable headband. Used by DJ's in clubs or stations to monitor a mix or cue. Patented Samarium Cobalt driver produces extremely accurate sound.



35M/HB 60ST35MHB *MFR LIST* \$79.00
 Call Bradley for a current price quotation.

Sennheiser Headphones

HD 320 Studio



Another open-are success story from Sennheiser. The HD 320 replaces the popular HD 450 and offers full sized diaphragms, redesigned earcup, and a micro-adjustable inner headband for a more precise fit. Triple wound copper voice coils and neodymium-ferrous magnets produce excellent sound. The integral 10' cable terminates in a 1/8" stereo phone plug with 1/4" adapter. Weight: less than five ounces. 60 ohms.

60SNHD320 \$79.00



HD 250

For applications requiring a sealed headphone, the HD 250 meets the demand. Response is 10Hz to 25kHz and these lightweight headphones weigh less than five ounces. 600 ohms.

60SNHD250 \$179.00



Note: Replacement cushions, drivers, and cables are available for all Sennheiser headphones. Call Bradley for pricing.

Studio Headphones

Fostex T20RP

A lightweight headphone providing superior reproduction using Fostex's exclusive RP technology. Absolutely one of the most comfortable phones you'll wear. 50 ohms.

60FOT20 \$99.00



Beyer DT 220

These closed system headphones combine exceptional comfort, long lasting durability and superior intelligibility for critical monitoring. Frequency response of 20Hz to 20kHz and high SPL before distortion. 400 ohms.

60BEDT220 \$123.00



Koss PRO 4AA

The PRO 4AA gives you full range (10Hz to 20kHz) with freedom from distortion even at high levels. The patented, air filled ear cushions conform to any head shape, forming a secure seal against outside noise. 100 ohms.

60KOP4AA \$79.00



Sony Headphones

These professional headphones have closed ear designs for reduction of external noise, and a gold 1/8" plug with screw-on 1/4" adapter.

MDR-7502 (not pictured)

A cost effective headphone with a 30mm driver and 60Hz-16kHz response. 45ohms.

60SOMDR7502 \$45.00

MDR-7504

The MDR-7504 yields a 15Hz to 18kHz frequency response from its 40mm drivers. Folding construction for compact storage. 45 ohms.

60SOMDR7504 \$65.00

MDR-7506

This is Sony's professional version of their MDRV6 model. This rugged headphone is one of the most popular for studio and field use. 10Hz to 20kHz response, 40mm drivers, and folding construction. 36 ohms.

60SOMDRV6 \$79.00



ESE ES520 Timer

This up-counting timer from ESE packs it all. The four digit, 60 minute ES520 can be controlled from the front panel start, stop, and reset controls or via two remote options. A momentary short to ground or 5V logic "O" can activate any of the functions, and four "trigger resets" can reset the timer using either a momentary or continuous signal. The large LED display makes the ES520 easy to read in all light conditions. The serial output on the ES520 can be used to drive up to 100 remote slave displays. Rack mount version also available.

ES520 60ES520 *MFR LIST* **\$179.00**

Call Bradley for a current price quotation.



Radio Systems Analog Master Clock System

Synchronize up to 50 low cost, big wall clocks to within one second accuracy with Radio Systems impulse clock system. Just three wires between each clock keep every unit on time. The master driver lets you set Daylight Savings Time with the push of a button, and works during power failures, all without losing a second. The unit comes complete with an internal crystal reference or will operate with various external references. Uses only a single rack space.

Master Clock Driver 60RSMCD *MFR LIST* **\$525.00**
12" Analog Clock Display 60RSAC *MFR LIST* **\$95.00**

Call Bradley for a current price quotation.



Radio Systems Digital Clocks and Timers

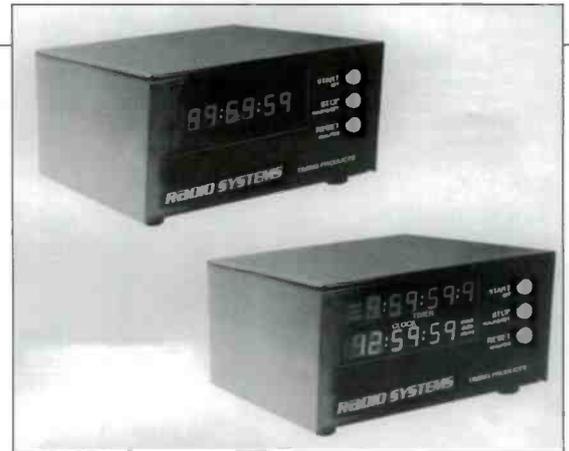


The new kids on the clock block are old hands at solving your studio problems. Radio Systems now offers Super Clocks, a line of six-digit master clocks and event timers. Put displays throughout your facility easily and affordably. Choose between traditional desktop/rack units, or wall displays with 2" digits.

Any of the clock models can act as a standalone unit, or as a master or slave in an integrated system. The master reference can be the internal crystal, optional TCXO, external pulse, or AC line; the system can also adjust hourly to a closure derived from your satellite feed, which means your house time will always be in sync with the net. If the reference signal between clocks is lost, each clock will continue to keep local time until the connection is re-established. Any clock can drive up to 32 digital slaves. Thirty-minute battery backup and top-of-hour closure are standard. A WWV receiver is available as an option.

Timer displays provide tenths-of-a-second accuracy. Count up from zero; with an optional keypad, count down from a pre-set (including ten stored pre-sets). The best value in the line is the DTCT-6, which combines the master clock and timer features.

DTCT-6 Tabletop Dual Clock/Timer 60RSDTCT6 *MFR LIST* **\$595.00**
DTC-6 Tabletop Clock 60RSDTC6 *MFR LIST* **\$395.00**
DTT-6 Tabletop Timer 60RSDTT6 *MFR LIST* **\$395.00**
DWC-6 2" Display Clock (add MT-2 for wall or rack mount) 60RSDWC6 *MFR LIST* **\$795.00**
DWT-6 2" Display Timer (add MT-2 for wall or rack mount) 60RSDWT6 *MFR LIST* **\$795.00**



Accessories:

KP-CT Keypad 60RSKPCT *MFR LIST* **\$95.00**
RK-CT 19" Rack Mount for Tabletop Displays 60RSRKCT *MFR LIST* **\$45.00**
MT-2 Rack/Wall Mount for 2" Displays 60RSWMCT *MFR LIST* **\$45.00**

Call or FAX for a current price quotation and information about TCXO, extended battery backup, and WWV options.



Warning Lights

1. Fidelipac Warning Lights

Red lettering on a black background provides a highly visible warning that microphones are live. ON AIR or RECORDING legends are available in English. The ON AIR legend is also available in Spanish, French, German, Japanese, and four other languages. Lights are 5" high, 10" long, and 2½" deep.

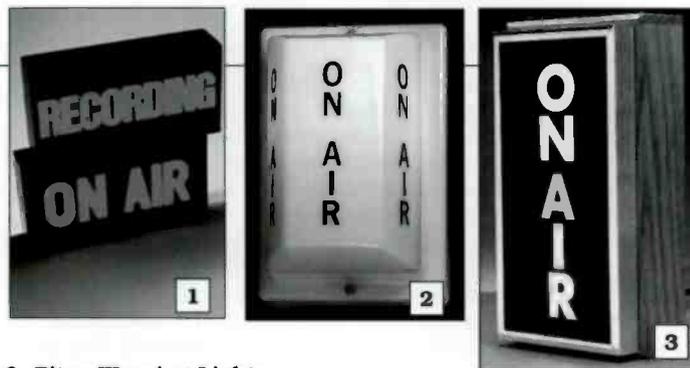
ON AIR	60FP340	MFR LIST	\$72.00
RECORDING	60FP340REC	MFR LIST	\$72.00

2. BE Studio Warning Light

This classic design light comes complete with a 25 watt red bulb and an attention grabbing flasher. The silkscreened globe housing fastens to a steel mounting plate. Available legends are ON AIR, AUDITION, REHEARSAL, and RECORD. Specify vertical or horizontal lettering. Also available in other languages or blank, so you can label your own.

60BR83500X	\$62.00
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Call Bradley for a current price quotation.



3. Titus Warning Lights

Titus ON AIR and RECORDING lights are beautiful and practical ways of indicating that a studio is in use. Four internal lamps are wired in parallel, and use 24VDC, eliminating the need for relay interface boxes. The mounting base is of solid oiled oak, and overall dimensions are 8½" wide, 4¾" high, and 2½" deep. Lettering is on a smoked glass window that is available with either a horizontal or vertical orientation with a silver or a gold frame.

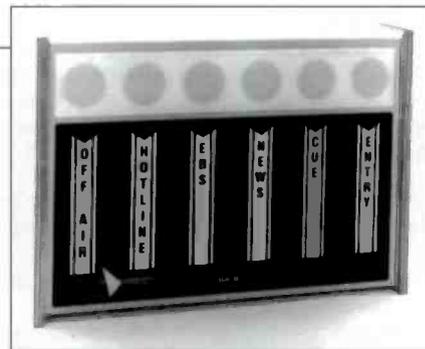
60TIOALXX	MFR LIST	\$125.00
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Enberg Alert Monitors

These innovative units provide visual indication of multiple alert signals. Alerts can be EBS receivers, TTY machines, weather bulletins, transmitter alerts (through your remote control), doorbells, burglar alarms, silence sensors, and cue tones. Three modes of operation are provided and can be individually assigned by channel. Manual Reset requires the operator to reset the monitor; Auto Reset allows the lamps to stay on from 15 seconds to 30 minutes before shutting off; and Fone/Latching, enabled with the included FN-6 module, displays incoming phone calls and is used for latching closures. The Alert Monitors have opto-isolated inputs and solid state relays. The BA-6 wall mount unit displays alerts with 120 volt, 15 watt flashing lamps. The BA-6RX rack mount unit uses 8mm red LEDs. Thirty standard labels are included and custom labels are available.

BA-6 wall mounting	60ENBA6	MFR LIST	\$379.00
BA-6RX rack mounting	60ENBA6RX	MFR LIST	\$379.00

Call Bradley for a current price quotation.



Accessories:

Remote slave monitors. Up to ten remote monitors may be driven by a BA-6 and up to 15 by the BA-6RX.

BA-6R wall mount remote	60ENBA6R	MFR LIST	\$199.00
BA-6RXR rack mount remote	60ENBA6RXR	MFR LIST	\$119.00
Extra telephone module. Each module detects ring for two separate lines.	60ENFN6	MFR LIST	\$35.00

The Informers

How hot or cold is it outside? What's the temperature in your transmitter room or garage? The Informers have the answer.

The digital readout version reads from -40° to 120°F, and has high and low temperature memories. The 50' cable with probe allows continuous outdoor readings. A single "AA" cell powers it for up to a year.

Designed for transmitter remote control use, the voltage Informer provides an output of 10mV/degree (100°F equals one volt). Its range of 0° to 230°F and its 18' cable let you install the probe anywhere, including inside the transmitter's exhaust ducts. Users must provide 5-12VDC to power the voltage version.

Digital readout	60TKI	\$54.95
Voltage output	60TKITX	\$58.95



Power Distribution

1. Nigel B. ends "transformer cram" with the SP8, an eight-outlet surge-suppressing power strip featuring special spacing to accommodate up to three transformers without blocking other outlets. It's rack-mountable! The "LT" version provides a 12V BNC socket for popular gooseneck lamps and a handy pass-through phone connector on the front panel.

2. In a typical 70" rack you can't fit two 48" power strips. Nigel solves the problem with the 35-12SPL, a 12 outlet, 35" strip with the power entries side-mounted; use two strips to fit 24 outlets within 70". Full surge suppression is built into this 15 amp strip. A 12V BNC outlet accommodates a removable gooseneck lamp, great for lighting the inside of your cabinet.

SP8	60NBSP8	\$120.00
SP8LT	60NBSP8LT	\$139.00
35-12SPL	60NB3512SPL	\$130.00
12" Gooseneck lamp (pictured, fits all three strips listed above)	60NB1212	\$34.00

3. Whirlwind AC6R 19" rack mount panel has six outlets, on/off switch, and resettable circuit breaker. 15 amps.

AC6R	61WHPC1	\$43.00
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4. Furman AR-117 AC line regulator protects equipment from problems caused by brownouts and overvoltages. It accepts voltages from 97 to 131 volts, and converts them to US standard 117 volts. Output of 100VAC is also switch selectable. Input capacity 15 amps; output 12 to 15 amps. Unit instantly shuts down to protect your gear should an extreme overvoltage situation occur.

AR-117	60FUAR117	\$449.00
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5. Furman PL-Plus has eight switched outlets, a ten foot heavy duty power cord, a front panel LED voltage monitor, and RF filtering. Outlets are rated at 15 amps. The two slide out lamps have a dimmer control.

PL-Plus	60FUPLPLUS	\$175.00
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ETA PD10 AC Power Strip (not pictured) allows you to power up to ten pieces of equipment safely while also protecting them from sudden voltage spikes and damaging power surges. Built-in EMI/RFI filtering will also protect your audio system from unwanted noise. Eight of the outlets are switched. The PD10 is rated at 15 amps and includes a 6' grounded power cord. Rack mountable.

ETA PD10	60ARPD10	\$119.00
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ETA PD10V (not pictured) includes the features of the PD10 plus an always-active digital voltmeter display. Confirm incoming power before you turn your gear on.

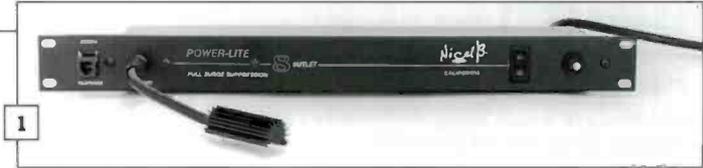
ETA PD10V	60ARPD10V	\$199.00
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6. ETA PD11L includes the features of the PD10 plus two switched, slide-out lamps to illuminate your gear when the PD11L is mounted at the top of your rack. A great help in any road application.

ETA PD11L	60AR614	\$169.00
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7. ETA PD11LV includes all the features of the PD10 plus the digital voltmeter display and slide-out lamps described above.

ETA PD11LV	60AR615	\$249.00
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ETA's PD16LVS Power Strip (not pictured) with sequential three circuit distribution is designed to protect and filter any electronic equipment that requires time delayed power-up and down. The sequencing feature eliminates high inrush current and precludes equipment failure, like blown fuses. An LED monitored master switch sequences the protected circuits on or off at intervals of five to 30 seconds as preset by a timing wheel located inside the unit. It also has EMI/RFI filtering, retractable illuminators, digital voltmeter, and 16 outlets (14 switched, two unswitched). The PD16LVS is two rack units high, and features 20 amp, 2400 watts input per unit.

PD16LVS	60ARPD16LVS	\$479.00
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Furman AR-PRO (not pictured) delivers 120V AC (±3VAC) anywhere in the world with capture ranges of 88 to 134 volts and 172 to 264 volts. Because the AR-PRO works automatically, it can protect against a catastrophic error. The AR-PRO can handle loads of up to 30 amps. Fourteen regulated, conditioned outlets are provided and the AR-PRO is in a compact 3.5" rack mounting unit weighing only 30 pounds.

AR-PRO	60FUARPRO	\$1649.00
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Tripplite Isobar Surge Suppressor



The Isobar 2-6 is a two-outlet filter bank for reliable spike and noise suppression, a good way to eliminate interference and feedback between connected devices. If you need more outlets or filter banks, ask your Bradley professional to recommend the best Isobar model for your needs. Includes six-foot cord.

Isobar 2-6	60TPIB26	<i>MFR LIST</i>	\$59.95
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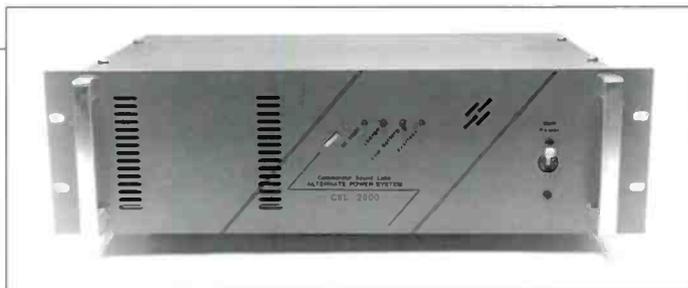
Call Bradley for a current price quotation.



CSL Alternate Power Systems

Emergency power can be a real hassle for broadcasters. Obviously, high power transmitters require large engine driven generators. But what about your studio? A generator is prohibited in many office buildings by either local building codes or the landlord. How about the midpoint of your two-hop STL? Or your translator on a hilltop two counties away? Fuel and maintenance requirements make generators impractical in these instances. How do you solve these problems? Commercial Sound Labs and Bradley to the rescue!

CSL makes three sizes of battery powered alternate power sources that are ideal for broadcast, recording studio, and sound reinforcement applications. Sizes are 250, 500, or 1000 watts. All mount in just 5 1/4" (three rack units) of space. Up to several hours of reliable power can be provided depending on the type and number of 12 volt batteries used. Choices range from high quality gel cells to inexpensive car batteries. Your Bradley professional is available to help you calculate your emergency power requirements. Only you can calculate the revenue and audience loss from being off the air.



250 Watts	60CSCSL500	<i>MFR LIST</i>	\$1075.00
500 Watts	60CSCSL1000	<i>MFR LIST</i>	\$1425.00
1000 Watts	60CSCSL2000	<i>MFR LIST</i>	\$1645.00

Call Bradley for a current price quotation.

Tripplite Power Protection PS 6.0

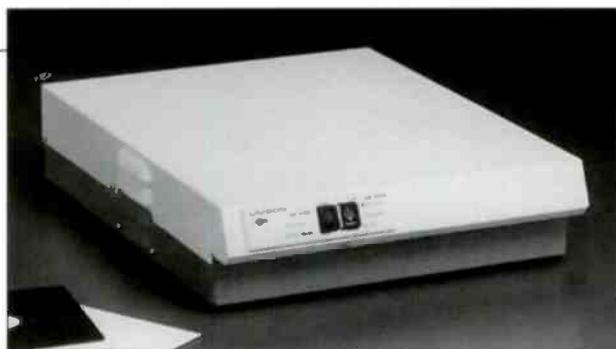


PS units are on-line Uninterruptible Power Supply systems with pure sine waveform and zero transfer time, providing protection from blackouts, spikes, brownouts, and line noise. Network compatible.

The low profile PS 6.0 is rated for 600VA and includes keyboard lighting. Other models are available from 450 to 1500VA.

PS 6.0	60TPPS60	<i>MFR LIST</i>	\$799.00
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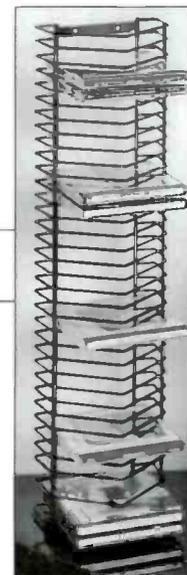
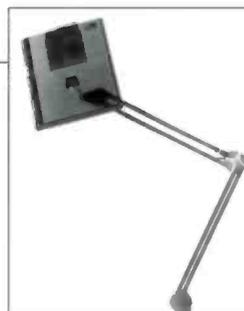
Call Bradley for a current price quotation.



PerfectData Copy Stands

These convenient stands bring your copy close when you need it and move out of the way when you don't. The almond-colored stands include a "C" clamp for mounting. They are available in letter size with two capacities. The optional extender allows your stand to hold computer printouts or open books.

Letter size 11lb capacity	61LU16007	\$42.00
Letter size 3lb capacity	61LU16008P	\$52.50
Extender	61LUEK	\$16.00



Bradley Wire and Metal CD / Cassette Storage

These unique, attractive, and durable wire racks provide an easy and inexpensive solution to your CD storage needs. Each wire tower CD holder keeps 31 single and two double CD cases stored safely in free-standing, table, or wall configuration. At less than 50 cents per unit, these racks may well be the most economical CD storage method ever. Metal versions are available for CD and cassette storage and for stackable, freestanding storage.

CD wire tower 35 capacity	61AR1209	\$16.00
CD metal module 25 capacity	61AR1213	\$27.00
Cassette module 19 capacity	61AR1217	\$27.00



ProRax Cart and CD Racks

These cost effective racks have a mahogany finish.

100 capacity wall cart rack 23½"W x 24½"H x 4¾"D	
60PRW100	\$99.95
20 capacity wall cart rack 5¾"W x 24½"H x 4¾"D	
60PRW20	\$45.00
80 capacity wall or desk CD rack 23¾"W x 15¾"H x 4¾"D	
60PRCD80W	\$89.95



Ruslang CD Racks

Bradley Broadcast makes Ruslang quality available to store your CD's. Since these racks hold discs with plastic inserts instead of shelves, they are easy to keep clean. Choose between wall mount and lazy susan table top units. Stack-on units may be placed on top of the lazy susans to double capacity. Available in walnut, oak, black, and other colors.

96 capacity wall unit 18" W x 5¾"D x 23¾" H.	
60RLCD96	\$113.00
128 capacity lazy susan 17" Turning diameter, 27½" high.	
60RLCD128LS	\$313.00
256 capacity lazy susan 25½" Turning diameter, 27½" high.	
60RLCD256LS	\$435.00

Larger capacity lazy susans are also available.



Fidelipac Cart Racks

Fidelipac Tabletop Cart Racks

These carousels have removable wire racks. The TR-48 holds 48 carts in four racks, stands 20" high, and has a diameter of 15". The TR-96 holds 96 carts in eight racks, stands 20" high, and has a 20" diameter.

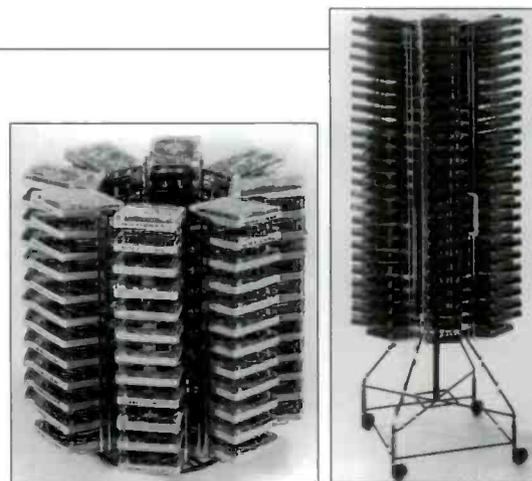
TR-48	60FPTR48	<i>MFR LIST</i>	\$109.00
TR-96	60FPTR96	<i>MFR LIST</i>	\$194.00

Fidelipac MR-200 Mobile Cart Rack

Fully loaded, the MR-200 can store 200 carts. It consists of eight WR-25 single column racks mounted on the MRB-1 carousel rack base with casters. Each WR-25 can be removed from the carousel even when fully loaded, and is available separately to serve as a 25 cart wall rack.

MR-200 complete	60FPMR200	<i>MFR LIST</i>	\$390.00
MRB-1 base and frame only	60FPMRB1	<i>MFR LIST</i>	\$87.00
WR-25 rack only	60FPWR25	<i>MFR LIST</i>	\$38.00

Call Bradley for a current price quotation.



Simpac Cart Racks

Carts, carts, carts. In the studios, in the newsroom, in the offices ... everywhere you look in a radio station you find piles of carts. With these handy Simpac cart racks, you can mount your own cart storage on any vertical surface to handle as few or as many carts as you like. Each black plastic unit holds 10 carts and comes with mounting hardware.

Simpac Cart Rack	60SICRBK	\$6.30
12 or more		\$5.75 ea



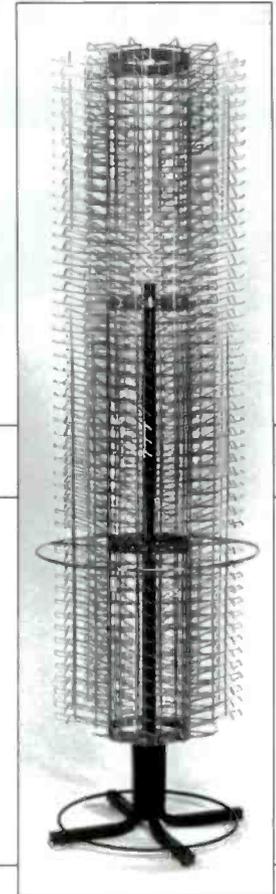
Alps Audio and Video Storage Cabinets

Feeling buried by CD's, carts, or video tapes? Bradley comes to the rescue with the Alps line of high density storage cabinets. Each cabinet has a footprint of only 2 feet by 4 feet, but look how much they hold!

Models are available to store CD's, audio cassettes, DAT, broadcast audio cartridges, and open reel tapes in all widths. Cabinets with partitions for all video formats are available to hold both raw and boxed tapes. Partitions can be mixed among drawers in a single unit. Cabinets come in white, almond, and gray laminates.

Prices listed illustrate the value of these cabinets. Truck freight is additional. Your Bradley professional can help configure a cabinet to meet your exact requirements. Give us a call today.

Five drawer base unit holding 2120 CD's, 42" H 60ALCBA605CD	\$1250.00
Six drawer top unit holding 1836 CD's, 45" H 60ALCBA466CD	\$1560.00
Eight drawer base unit holding 3392 CD's, 60" H 60ALCBA908CD	\$1520.00



ABC CD and Cart Racks

These floor standing "Lazy Susans" let you store lots of CD's and carts in a small space. All carousels stand six feet high and include casters. Each consists of several individual wire racks that can be removed or purchased separately for wall mounting.

280 Capacity CD Carousel 22" diameter	60AB280	\$348.00
560 Capacity CD Carousel 27" diameter	60AB560	\$624.00
300 Capacity Cart Carousel 22" diameter	60AB300	\$386.00
500 Capacity Cart Carousel 27" diameter	60AB500	\$588.00
70 Capacity Wire CD Rack 69½"H x 5½"W x 5¼"D	60AB70	\$67.00
50 Capacity Wire Cart Rack 65"H x 4½"W x 6"D	60AB50	\$50.00

Nigel B. Media Storage Drawers and Trays

Media Storage drawers feature fully adjustable mounting brackets to fit into any rack. Fitted with individual compartments.

DAT Drawer holds 76; 2 rack units high	60NBDATD	\$159.00
Floppy Disk Drawer holds 112 3.5" disks; 3 rack units high	60NBFDD	\$159.00
CD Drawer holds 69; 4 rack units high	60NBCDD	\$169.00
Cover and lock option for any drawer	60NBDCL	\$37.00



Raxxess Secure Rack Storage



The solution people at Raxxess Metalsmiths have a handy item that lets you securely store tapes, tools, CD's, and the other detritus that can clutter up a work area. The Rak-Vault is a steel, rack-mount enclosure with a hinged front panel and keyed lock. Available in 5½"- and 7"-high models, both with 9" inside depth. Black, baked enamel finish.

RKV-3 (5½" high)	\$79.00
61RX3V	
RKV-4 (7" high)	\$89.00
61RX4V	



Middle Atlantic

RACK ACCESSORIES

Utility Rack Shelves

These popular one-piece "U" shelves are now available in three sizes: the one space (1 $\frac{1}{2}$ " shelf is 11" deep; the two space (3 $\frac{1}{2}$ " shelf is 14 $\frac{1}{2}$ " deep; the new three-space (5 $\frac{1}{2}$ " unit is 14 $\frac{1}{2}$ " deep. They hold 35, 50, and 55 pounds, respectively. Each can hold taller equipment within its depth and weight limits.

One space	61MAU1	\$29.00
Two space	61MAU2	\$38.00
Three space	61MAU3	\$42.00

UTR-1 Half Rack Universal Shelf is a one-space black steel rack shelf with numerous holes to help in mounting half-space equipment side-by-side. 10" deep.

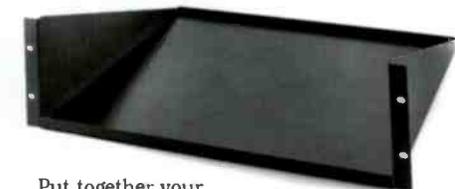
61MAUTR1 \$19.95

Custom Rack Shelves

Now you can put anything in a rack, without modifying the unit. Custom front panel cutouts are made for your equipment and the complete shelf is shipped to you in two to three weeks. Many patterns are already on file. Some assembly is required. These shelves do not include hardware to secure equipment for transport.

Brushed and black anodized aluminum		
	61MARSH4A	\$98.00
Textured black enamel on steel		
	61MARSH4S	\$89.00

K.D. Shelves



Put together your own rack shelves. Flush studs are provided with bottoms for easy assembly. K.D. shelves are 16 gauge steel painted with black baked enamel, and can be used with equipment up to 17 $\frac{1}{2}$ " wide. Ears come packaged in sets of two.

Important:

For a complete shelf, purchase both a bottom section and a set of ears.

Bottom Section, 15 $\frac{1}{2}$ " deep (choose set of matching ears, sold separately)

	61MAKDB	\$17.00
Matching Ears, 5$\frac{1}{2}$" tall (for use with above)		
	61MAKDE3	\$30.00
Matching Ears, 7" tall		
	61MAKDE4	\$31.00
Matching Ears, 8$\frac{1}{2}$" tall		
	61MAKDE5	\$32.00
Matching Ears, 10$\frac{1}{2}$" tall		
	61MAKDE6	\$33.00
Matching Ears, 12$\frac{1}{2}$" tall		
	61MAKDE7	\$35.00
Matching Ears, 14" tall		
	61MAKDE8	\$36.00

Bottom Section, 11 $\frac{1}{2}$ " deep (order matching ears, sold below)

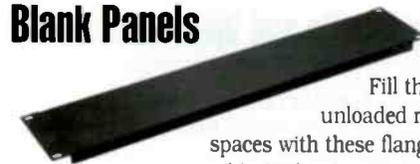
	61MAKDBS	\$17.00
Matching Ears, 5$\frac{1}{2}$" tall (for use with 11 $\frac{1}{2}$ " deep bottom, above)	61MAKDE3	\$30.00

Also available:

Soundolier rack shelves, made of 16 gauge steel, are available in black textured enamel and in the 24 other Soundolier colors. Four spaces (7" panel space), 14" deep.

	60SDSH197	\$45.00
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Blank Panels



Fill those unloaded rack spaces with these flanged, black aluminum panels.

1 space	61MABL1	\$11.00
2 spaces	61MABL2	\$12.75
3 spaces	61MABL3	\$15.70
4 spaces	61MABL4	\$17.00

Econo-blanks are flat (non-flanged), durable steel rack space fillers.

EB-1 1 space	61MAEB1	\$5.25
EB-2 2 spaces	61MAEB2	\$6.35
EB-3 3 spaces	61MAEB3	\$7.65
EB-4 4 spaces	61MAEB4	\$9.09
EB-5 5 spaces	61MAEB5	\$10.25
EB-6 6 spaces	61MAEB6	\$11.25

Sliding Shelf

This sliding shelf supports up to 50lbs and pulls out 14". Usable mounting surface is 17 $\frac{1}{2}$ " wide and 15 $\frac{1}{4}$ " deep. Your equipment sits on top, and the flush, spring loaded latch keeps the shelf shut. Unique rear telescoping support fits any rack and does not require rear rails. Occupies one rack space.

61MASS \$89.00

Rack Chassis

Use these chassis for your custom electronics. Flush face is easily removed for punching and the rear panel is full height and removable. Face and rear are black anodized aluminum, while the top, bottom, and sides are steel. These chassis are 10" deep and shipped fully assembled.

1 space	61MACH1	\$54.00
2 spaces	61MACH2	\$61.00
3 spaces	61MACH3	\$66.00



Rack Rails

Our best 1/8" thick galvanized steel rails are punched and tapped for 10-32 screws. Side mounting holes are 9/32" diameter. Sold in pairs.

8 spaces (14")	61MARR8	\$11.75
10 spaces (17½")	61MARR10	\$14.10
12 spaces (21")	61MARR12	\$16.75
14 spaces (24½")	61MARR14	\$18.65
16 spaces (28")	61MARR16	\$20.90
18 spaces (31½")	61MARR18	\$22.70
21 spaces (36½")	61MARR21	\$26.00
27 spaces (47½")	61MARR27	\$32.00
45 spaces (78½")	61MARR45	\$46.00

Also available:

Model RRF

This is a 45 space (78¾") rail that has tapped holes spaced 5/8"-5/8"-1/2" to fit equipment with non-standard spacing.

61MARRF45 **\$51.00**

Rear Hanging Bracket (to support gear from the back). Each is a pair.

RH-2 2 Space	61MARH2	\$9.00
RH-3 3 Space	61MARH3	\$10.00
RH-4 4 Space	61MARH4	\$11.50

Security Covers



Ideal for providing both security and protection, these perforated steel covers are 1" deep and allow easy viewing of control settings. Rubber edging prevents marring of equipment.

1 space	61MASEC1	\$18.00
2 spaces	61MASEC2	\$22.00
3 spaces	61MASEC3	\$24.00

Also available:

Urban acrylic security covers to protect your rack mounted equipment from fiddling fingers or inquisitive eyes. Includes three sets of screws: thumbscrew, Phillips head, and hex socket head (with wrench). Specify clear, blue translucent, or opaque white.

1 space	60OBACC11XX	<i>MFR LIST</i>	\$55.00
2 spaces	60OBACC12XX	<i>MFR LIST</i>	\$60.00
3 spaces	60OBACC13XX	<i>MFR LIST</i>	\$60.00
4 spaces	60OBACC14XX	<i>MFR LIST</i>	\$60.00

Fan Panels and Fans



These three-space panels are punched for 4½" diameter fans and include grills. The quiet, 100 CFM fans, sold separately, are designed for long life. Line cord supplied; user must install plug. Black anodized aluminum shown; also available in steel with black enamel.

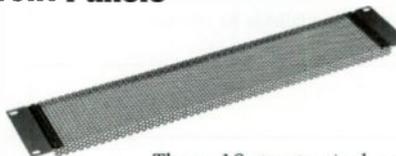
Panel for 1 fan	61MAFP1	\$26.00
Panel for 2 fans	61MAFP2	\$28.00
Panel for 3 fans	61MAFP3	\$30.00
Fan	61MAFAN	\$35.00

Also available:

Filter Kit with washable filter keeps dust out of your gear. Can be fit over fan panels or used alone. Three spaces tall.

61MAFILTER **\$24.00**

Vent Panels



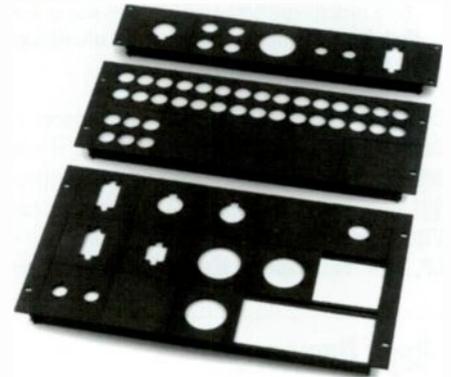
These 16 gauge steel panels have one piece construction and are perforated with 5/32" diameter holes yielding 68% open area.

1 space	61MAVT1	\$ 9.35
2 spaces	61MAVT2	\$11.25
3 spaces	61MAVT3	\$13.20
4 spaces	61MAVT4	\$14.40
6 spaces	61MAVT6	\$15.30
8 spaces	61MAVT8	\$16.15
10 spaces	61MAVT10	\$17.35

Standard rack spaces are 1½" high. This chart can help you quickly determine the size of your equipment.

1 space is 1½"	6 space is 10½"
2 space is 3½"	7 space is 12½"
3 space is 5½"	8 space is 14"
4 space is 7"	9 space is 15½"
5 space is 8½"	10 space is 17½"

UCP Punched Panels



Middle Atlantic has developed a unique way to have custom panels without the cost and time of custom fabrication. Frame kits, which have rack ears and mounting bars, come in sizes from two to ten spaces. Punched modules, which are two spaces high and fit five across a rack, are provided punched for your choice of connectors. Combinations are unlimited. A fully loaded two space frame is less than \$60. Call or fax today for details.

Rack Hardware

Each package contains 10-32 x 3/4" machine screws and flat fiber washers. Available with Phillips machine head, Torx-Post, or a special tamper-proof tapered recess for security. Available in black only.



Phillips 100 ea	61MAHDWEP	\$16.50
Torx-Post 50 ea	61MAHDWET	\$12.00
Driver for Torx-Post screws	61MATBIT	\$10.25
Security 100 ea	61MAHDWES	\$22.80
Driver for security screws	61MABIT	\$1.60
Shoulder washers are non-conductive and are used with our standard washers to isolate equipment from the rails. 100 ea	61MASW	\$6.50



Rack Mount Holders

These rack mount holders are a great way to keep frequently used media close at hand.

Models shown are black anodized aluminum; call for even greater savings on steel models with textured black enamel.

Compact disc holder for 40 CD's; 4 spaces tall	61MACDSH	\$53.00
Cassette holder for 33 audio cassettes; 3 spaces tall	61MACS	\$50.00
DAT holder for 27 digital audio tapes; 3 spaces tall	61MADAT	\$50.00
3 1/2" floppy disk holder for 60 floppies; 3 spaces tall	61MAFD	\$50.00
VHS tape holder for 14 tapes; 5 spaces tall	61MAVHS	\$57.00
LP, 10 1/2" reel tape, & binder holder ; 8 spaces tall	61MALP	\$105.00

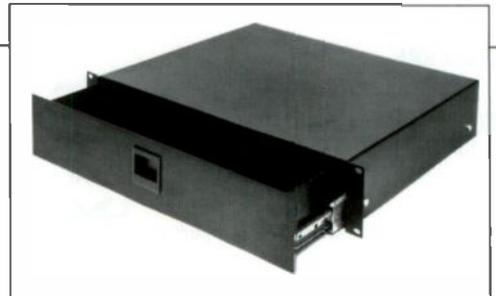


Rack Drawers

These drawers have an enclosed top to ensure that no dust goes in and no contents fall out. The front panel has a flush, spring loaded handle that latches to keep drawer closed. Full extension, ball bearing slides extend the drawer 14". Also available: a keylock for security.

Models shown are black anodized aluminum; call for even greater savings on steel models with textured black enamel.

2 spaces	61MADWR2	\$98.00	2 spaces w/lock	61MADWR2L	\$123.00
3 spaces	61MADWR3	\$119.00	3 spaces w/lock	61MADWR3L	\$144.00
4 spaces	61MADWR4	\$143.00	4 spaces w/lock	61MADWR4L	\$168.00



CD partitions are available for four-space drawers; cassette partitions are available for two-space units. Call Bradley for pricing.

Middle Atlantic WRK Series Racks

Solid. Functional. Attractive. We're not talking about just any equipment enclosure; this one is built by Middle Atlantic.

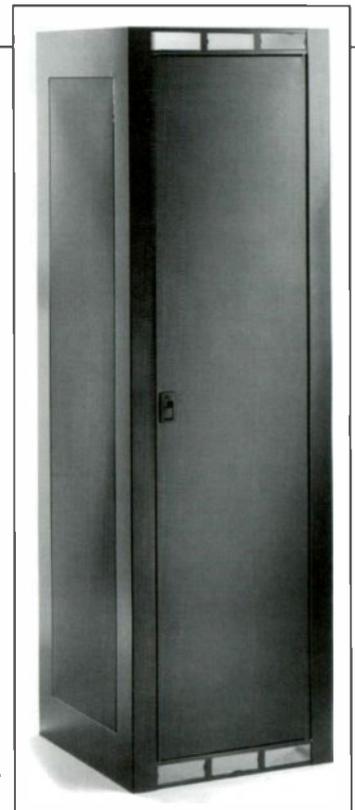
These racks have 77", 64", or 42" of mounting height and have fully welded construction of 16 gauge steel. Bottom corner braces are 10 gauge for extra strength and threaded for optional leveling feet or casters. Front and rear pre-trapped rails are included and the distance between them is adjustable up to 21". Front rails can be set to one of three fixed positions for stability during transport. Welded studs in the rear of the rack make it a breeze to install cable duct and power strips. Knock out plates are provided on both the top and bottom of the rack for electrical plates and fans.

		LIST
WRK-24 SA Rack 42"	61MAWRK24SA	\$640.00
WRK-37 Gang Rack 64"	61MAWRK37	\$666.67
WRK-37 SA Rack 64"	61MAWRK37SA	\$677.78
WRK-44 Gang Rack 77"	61MAWRK44	\$766.67
WRK-44 SA Rack 77"	61MAWRK44SA	\$777.78

Accessories:

42" Vented Door	61MADOV24	\$182.22
64" Vented Door	61MADOV37	\$228.89
77" Vented Door	61MADOV44	\$260.00
42" SP Door	61MADO24	\$153.33
64" SP Door	61MADO37	\$173.33
77" SP Door	61MADO44	\$188.89
Feet for WRK-44	61MAFEET	\$12.88
77" Side Panels	61MASPS44	\$325.00
77" Side Panels Vented	61MASP44	\$384.44
Wheels for WRK rack	61MAWHEEL	\$75.56

The WRK-SA series provides stand-alone, closed sided racks with removable, perforated ventilation windows located on the side panels for efficient convection. The WRK Gang series is open sided for ganging to other racks; optional side panels are available. The optional double wall door has "oil lite" bushings for smooth operation and a locking, spring loaded slam latch. Doors can be used at the front or rear and set to swing left or right.



Call Bradley for a current price quotation.



RK Racks

These economical racks combine convenience and great looks. Surface is in black laminate over 5/8" thick, high density particle board. Rails are drilled and tapped with full hole spacing to fit all equipment. Each rack is individually boxed knocked down for convenient UPS delivery. Assembly is fast and easy with supplied tools. Other sizes available by special order.

2 space (3½") 16" deep	61MARK2	\$48.00
4 space (7") 16" deep	61MARK4	\$51.00
8 space (14") 18" deep	61MARK8B	\$78.00
12 space (21") 18" deep	61MARK12B	\$84.00
16 space (28") 18" deep	61MARK16B	\$89.00
20 space (35") 18" deep	61MARK20B	\$98.00

KSI Racks

From simple black to solid "furniture" style, KSI offers wood racks to fit your requirements. Series 100 and 200 racks are constructed from 3/4" multi-ply birch and come in every rack capacity from four to 40 spaces; the most popular are listed here. Pricing includes a pair of EIA front rails tapped for 10-32 threads.

Series 100 racks are finished in black lacquer and include a hinged, vented, locking rear door. Series 200 racks are natural birch with a clear lacquer; the rear door is optional. Common options are listed below; others include extra depth, carpeting, front doors, and adjustable shelves. Give Bradley a call for details.

Exterior dimensions:

- Height: 3½" plus rack space height (assumes standard 2" base)
- Width: 22½"
- Depth: 18" (both series, up to 27 spaces); extra depth as an option
21" (Series 100, 28 or more spaces)
22" (Series 200, 28 or more spaces)

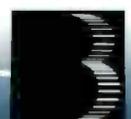
Standard Options:

- Heavy Duty Casters, set of four, rated for a half-ton. Replaces base.
60KBHDC \$220.00
- Swivel base 60KBSWB \$125.00
- Six-inch pedestal (for table mounting), replaces 2" base
60KBPED6 \$78.00



Series 100 Racks						Series 200 Racks					
RACK PART #	RACK SPACES	SPACE HEIGHT	RACK PRICE	BACK PANEL	REAR RAILS	RACK PART #	RACK SPACES	SPACE HEIGHT	RACK PRICE	BACK PANEL	REAR RAILS
60KB10008	8	14"	216.80	Included	40.00	60KB20008	8	14"	186.00	100.00	40.00
60KB10010*	10	17½"	235.20	Included	50.00	60KB20010*	10	17½"	222.00	108.00	50.00
60KB10014	14	24½"	272.00	Included	70.00	60KB20014	14	24½"	308.00	114.00	70.00
60KB10016*	16	28"	290.40	Included	80.00	60KB20016*	16	28"	342.00	132.00	80.00
60KB10020*	20	35"	412.00	Included	100.00	60KB20020*	20	35"	412.00	148.00	100.00
60KB10024	24	42"	437.20	Included	120.00	60KB20024	24	42"	498.00	164.00	120.00
60KB10030*	30	52½"	475.00	Included	150.00	60KB20030*	30	52½"	618.00	188.00	150.00
60KB10034	34	59½"	500.20	Included	170.00	60KB20034	34	59½"	688.00	204.00	170.00
60KB10040*	40	70"	538.00	Included	200.00	60KB20040*	40	70"	792.00	228.00	200.00

Choose items marked * for fastest delivery. Call for pricing of intermediate sizes.



Soundolier Equipment Racks

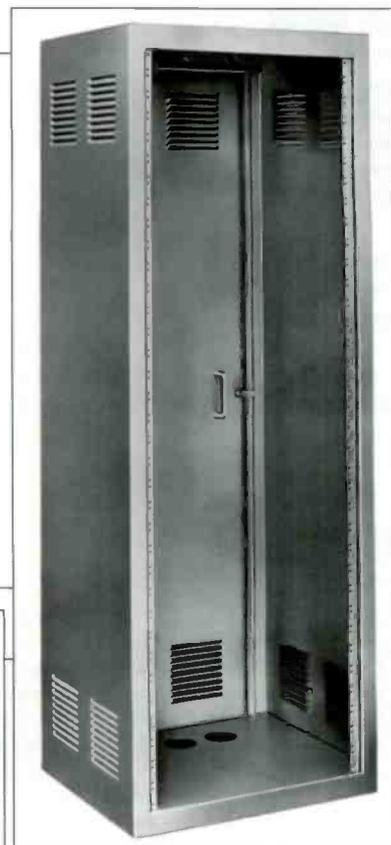
Soundolier offers a broad range of equipment racks for every purpose. Their Quick Shipper Program assures shipment of your rack within three working days of your order. Racks eligible for this service are marked (*) below and must be ordered in black textured enamel; you must request this service at the time of your order. Other sizes, or racks ordered in any of the other 24 available colors, generally ship in two to three weeks.

The 100 Series racks, our most popular, provide 18 1/2 inches of rackable depth, have fixed side panels, and include a back door with lock. They may be ordered welded or knocked down. Welded racks are more costly to ship, but are sturdier.

Size	Welded		Knocked Down	
	Part #	Price	Part #	Price
36"	60SDWA10036	\$285.00	60SD10036	\$260.00
42"	*60SDWA10042	\$295.00	*60SD10042	\$272.00
61"	*60SDWA10061	\$315.00	*60SD10061	\$322.00
70"	60SDWA10070	\$345.00	*60SD10070	\$359.00
77"	*60SDWA10077	\$363.00	60SD10077	\$377.00

for extremely heavy loads. Rails are drilled and tapped. Steel or Plexiglas front doors are optional.

Accessory:
Roller truck
 for 100 and 200 Series
 *60SDCT1020 \$196.00



The Cutting Wedge Acoustic Tiles

Acoustic treatment of your rooms is easier than ever, thanks to The Cutting Wedge. These charcoal gray tiles excel when used to reduce noise, slap, echo and/or standing waves. Available in three thicknesses, the tiles come in convenient 12" by 12" squares. They can be shipped via UPS in any quantity, so you save on shipping charges. Order by the case and save even more.

2" thick square	60CW1	\$2.90 ea	\$146.16	case of 56
3" thick square	60CW3	\$3.99 ea	\$107.70	case of 30
4" thick square	60CW4	\$5.30 ea	\$85.86	case of 18

Note: Minimum order is 10 squares; shipping charges are additional.



Philips



Bradley is pleased to offer professional products from Philips, a leader in the communication universe. Philips serves government, educational, and broadcast users in many ways, including:

- TV Monitors and Receivers
- CD-I Compact Disc Interactive Products
- Multi Laserdisc Players
- Magnavox TV/VCR Combinations and VCR's

Philips products fill many industrial and school needs, from an occasional teleconference, up to sophisticated employee training networks and interactive multimedia classroom systems. Call Bradley for more information about the fine line of Philips equipment.



Bradley Broadcast...
Where Service and Engineering Make the Difference

Nigel B. Stands

Recorder Stand

A sturdy, easily-moveable recorder stand. Heavy-duty construction and smooth rolling casters are the trademark of this fine stand. Provides 13 rack units of space plus eight additional units between its uprights.

60NBPLRS **\$309.00**

Desktop Easel

This low-cost desktop rack has 22 1/2" (13 rack units) of space. Ideal for reel-to-reel recorders or effects, the frame locks at any convenient angle.

60NBPLDERS **\$159.00**



Call Bradley for a current price quotation.

Littlite Lamps

Littlite Lamps are offered in several basic configurations.

The L-2 Series features a mounting base with a permanently attached gooseneck, dimmer, and a low intensity incandescent bulb in an unobtrusive tubular hood. The L-3 Series features a mounting base with a permanently attached gooseneck, dimmer, and a high intensity tungsten-halogen bulb in a stylish finned hood. The G Series has a swivel BNC-style connector with a neoprene rubber friction sleeve, and is useful in applications requiring removal for storage or transit. They mate with panel sockets supplied or added onto equipment. Available in high or low intensity. The X Series has a 3-pin male XLR connector with isolated lamp circuit. Useful where a detachable, non-swiveling connection is desired. Available in high or low intensity.

The WXF is an AC adapter designed for use with the L-Series. It'll power up to four low intensity or two high intensity lamps.

L-212	12" L-2 Series.....	61LL212A.....	\$29.50
L-218	18" L-2 Series.....	61LL2A.....	\$29.00
L-312	12" L-3 Series.....	61LL312A.....	\$36.00
L-318	18" L-3 Series.....	61LL3A.....	\$36.00
12G	12" G-Series.....	61LL12G.....	\$21.00
12G-Hi	12" G-Series High Intensity.....	61LL12GHI.....	\$25.00
18G	18" G-Series.....	61LL18G.....	\$29.00
18G-Hi	18" G-Series High Intensity.....	61LL18GHI.....	\$39.00
12X	12" X-Series.....	61LL12X.....	\$23.00
12X-Hi	12" X-Series High Intensity.....	61LL12XHI.....	\$37.00
18X	18" X-Series.....	61LL18X.....	\$26.00
18X-Hi	18" X-Series High Intensity.....	61LL18XHI.....	\$45.00
WXF	AC Adapter.....	61LLWXF.....	\$11.65
95	High Intensity Bulb	61LL95.....	\$7.50
1815	Low Intensity Bulb	61LL1815.....	\$2.50



Pivotelli Mounting Systems

Pivotelli puts your equipment in the right position. These supports are made of the finest solid premium grade steel and are available in three styles. Each holds up to 176 pounds safely and securely and has a five-year warranty. Supports are packed with hardware for installation into wooden wall studs, brick, or concrete.

The Single Pivotelli has an "L" shaped bracket with a fixed distance from the wall. The bottom support clamps to the sides of the equipment. The Double Pivotelli uses two 12" flex arms which allow the distance from the wall to be adjusted. Mounted equipment may be placed flush against the wall, in a corner, or in any number of positions for optimum viewing or listening. The Triple Pivotelli, shown in photo, has a yoke style bracket which securely clamps equipment top to bottom on both sides. Equipment can be moved easily side to side or up and down.

Pivotelli mounts are available in numerous sizes; the prices below are for mounts designed for equipment that is 17 1/4" to 30" wide. Part numbers are for matte black; gloss white is available at the same price. Your Bradley professional can help you select the exact support for your application.

Single	60PVMLS	<i>MFR LIST</i>	\$129.95
Double	60PVDLS	<i>MFR LIST</i>	\$219.95

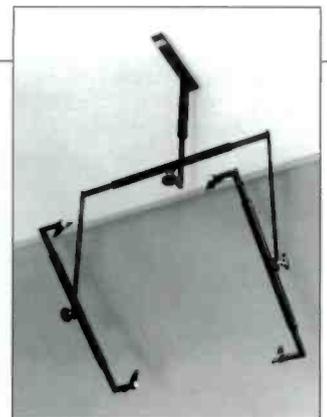
Call Bradley for a current price quotation.

Triple (wall mount)		
60PVTS	<i>MFR LIST</i>	\$269.95
Triple (ceiling mount)		
60PVTTT	<i>MFR LIST</i>	\$269.95

Accessory:

Metal stud kit must be used for mounting on metal studs.

60PVM SKL	<i>MFR LIST</i>	\$11.00
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Studio Furniture

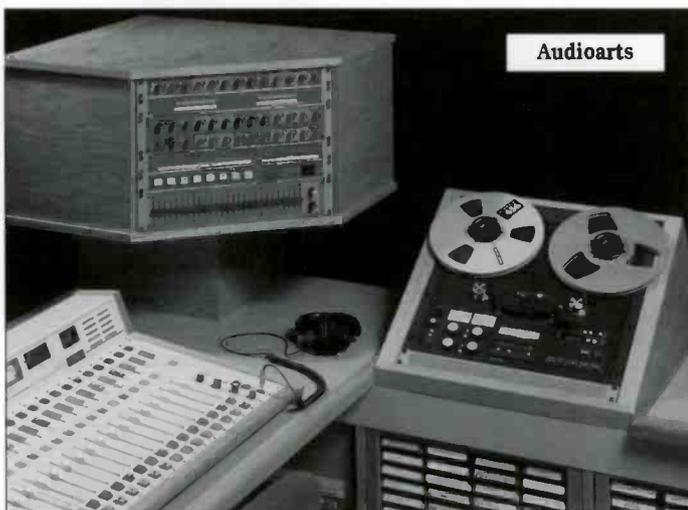
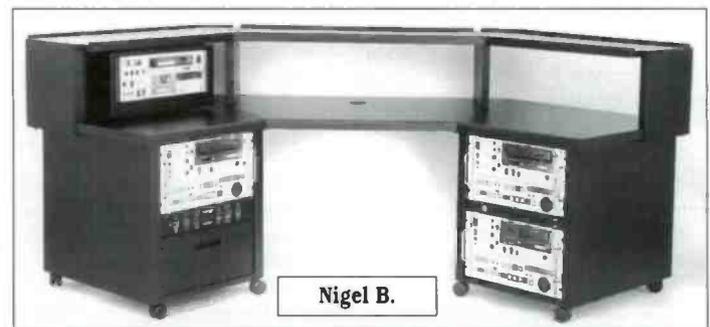
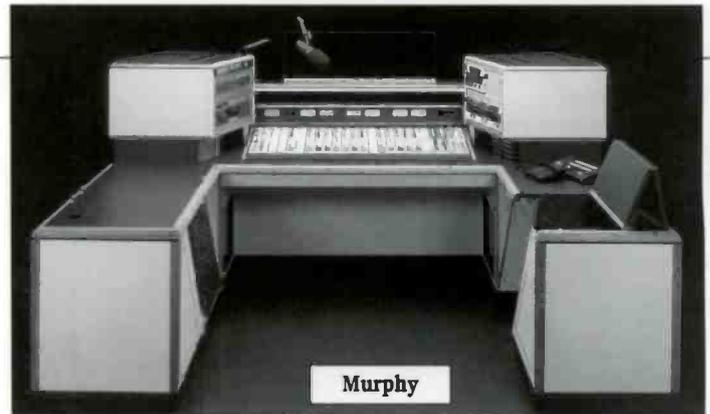
The proper furniture is an investment: chosen wisely, it can save time and money during installation, make your operators more efficient, and enhance the visual impact of your studio. Bradley offers a portfolio of furniture to fit your budget and requirements.

Audioarts Engineering Furniture Systems provide 25 readily understandable configurations, all with under-console cabinet racks and punch block housings. Popular options include cart or CD rack-mount storage, reel-to-reel slope tops, drawers, and stand-up height. Construction uses steel-reinforced cabinetry, with hardwood-protected corners and counter edging. Seamless laminated surfaces prevent dirt buildup and chipping. This beautiful furniture is built with generous wire passages and large removable access panels.

Murphy Studio Furniture offers four series of elegant cabinetry. The deluxe Elite Series, pictured, has numerous access panels, a durable bumper base, passive ventilation, and a wire management system. The Premier Series retains most of the features of the Elite Series but is more economical. A Dub/Edit Station is a customized desk/rack for computer stations and newsrooms. Most economical is Murphy's Classic Series, featuring high-quality laminates and oak trim, shipped to you ready to assemble to save shipping costs.

Nigel B. Audio/Video Furniture offers a custom fit with industrial strength. It's made of steel, coated with baked enamel for a scratch-resistant finish; worktops are Formica-covered particle board with Comfort Edges and cable grommets. All bases include heavy duty casters. Components pack flat to reduce shipping costs. Options include corner units, keyboard shelves, power strips, chairs, computer monitor platforms, and rack drawers and shelves.

Like any investment, studio furniture is best selected based on your specific needs. Call Bradley to discuss the manufacturer and design that will work best for you.



**You can hear the furniture!
Call Bradley for help in choosing the
suite for your new room.**



Otari A-Line Recorders

Otari's A-Line tape machines continue a tradition of employing the latest technology in compact, full featured decks.

The entry level *MX-50II* two track has its own built-in monitor speaker, $\pm 7\%$ varispeed, five-digit tape timer with search-to-zero and search-to-cue, standard record/reproduce level selection on input/output, individual reel size compensation switching, headphone jack, and balanced inputs. It's a notable value.

If you're an audio professional, odds are that you've worked with an Otari *MX-5050*. All *MX-5050* models are user selectable for 15 & 7½ ips or 7½ & 3½ ips operation and have electronically balanced inputs and outputs on XLR connectors. The "BIII" version has a built-in mini-autolocator that provides three one-touch cue point memories, zero search, and a repeat function. The timer display shows tape time in hours, minutes, and seconds, as well as tape speed in inches per second and percentage of tape speed. Capstan speed can be varied $\pm 20\%$ in 0.01% steps using the built-in pitch control. Other features include a tone oscillator and external oscillator input, headphone monitor, dump edit and lifter defeat modes, and mic/line mixing on each channel.

For those who need the versatility of a four channel recorder but who want the economy of 1/4" tape, the *MX-5050BQIII* is an excellent choice. Among other features, it has gapless, seamless punch-in/punch-out.

Three *MarkIV* series models are available: 1/4" two track, 1/2" four track, and 1/2" eight track. All have overbridge mounted electronics, a servo controlled direct-drive capstan motor, dynamic braking, $\pm 20\%$ variable speed control in 0.01% steps, and selective reproduce for overdubbing. The mini-autolocator and tape timer functions of the *MX-5050BIII* are incorporated into the *MarkIV*s. The four and eight track models include gapless, seamless punch-in/punch-out, rehearse function, and automatic monitor switching. *MarkIV* machines are capable of being interfaced to synchronizers when one track is used for time code.

The *MX-55* series consists of three superior quality decks. The *MX-55N* has its electronics and transport in a compact upright unit that may be rack or console mounted. The *MX-55NM*, which has its electronics in an overbridge, adds Dolby HX Pro and gapless, seamless punch in/punch out. The *MX-55TM*, also an overbridge unit, adds center track SMPTE time code capabilities. All models feature a three-point locator with LED elapsed time counter, return-to-zero and repeat looping, $\pm 20\%$ varispeed, and external synchronizer interface. Other standard features include cue speaker, headphone amp with level control, three-tone oscillator, and mic/line mixing on each channel.

Models are 1/4" unless otherwise noted:

MX-50II Two track	600TMX50	MFR LIST	\$2720.00
MX-5050BIII Two track	600T5050B3	MFR LIST	\$3770.00
MX-5050BQIII 1/4" Four track	600T5050BQ3	MFR LIST	\$5906.00
MarkIV-2 Two track	600T5050MK42	MFR LIST	\$4915.00
MarkIV-4 1/2" Four track	600T5050MK44	MFR LIST	\$6862.00
MarkIV-8 1/2" Eight track	600T5050MK48	MFR LIST	\$7204.00
MX-55N Two track	600TMX55	MFR LIST	\$4915.00
MX-55NM Two track with overbridge	600TMX55NM	MFR LIST	\$6285.00
MX-55TM Two track with center track time code and overbridge	600TMX55TM	MFR LIST	\$7434.00

Accessories:

Bradley provides a complete selection of Otari accessories, including:

- Metal roll around stands.
- Remote controls.
- Rack mount and table mount kits for upright models.
- Autolocators for *MarkIV* and *MX-55* machines.
- Hub adapters for 10½" reels and clamps for 7" reels.

Call Bradley for a current price quotation.



MX-55NM



MX-5050BIII



MX-50II



**MX-5050 MarkIV
Four Track**

Bradley is your source for quality reel tapes. See page 69.

TAPE RECORDERS

Toll Free: 800-732-7665 • Direct: 301-948-0650 • FAX: 301-330-7198 • **Bradley Broadcast**



Tascam BR-20 Recorders

The Tascam BR-20 sets a new standard in its class. This professional two track has both balanced +4dBm and unbalanced -10dBV inputs and outputs. All major calibration controls are accessed from the front panel. The transport has a precision tension servo control transport system for exceptionally smooth operation and editing. The rack mount kit is standard. The built-in autolocator features three cue points, zero return, and direct time location. Other features include $\pm 12\%$ pitch control, headphone monitoring, splicing block, dump edit and lifter defeat, and independent reel size selectors.

Also available is the BR-20T with a center track to accommodate time code. It uses Tascam's in-line head design and time code level optimization and waveform shaping for error-free synchronization. Gapless punch-in/punch-out and spot erase are also featured in the BR-20T.

BR-20	60TEBR20	MFR LIST	\$2799.00
BR-20T w/center track time code	60TEBR20T	MFR LIST	\$3299.00

Accessories:

Remote control	61TERC402	MFR LIST	\$225.00
Synchronizer for BR-20T	60TEES50	MFR LIST	\$2699.00

Call Bradley for a current price quotation.



Tascam Series 30 Recorders

Series 30 recorders come in two- and four-track versions and are designed for production needs at an economical price. Standard features include servo-controlled capstan motor with $\pm 12\%$ pitch control, full motion sensing with dynamic reel braking, $10\frac{1}{2}$ " reel capacity, return-to-zero function, and dump/edit capability. Both versions are $7\frac{1}{2}$ " & 15ips quarter inch format with NAB equalization. RCA inputs and outputs are at -10dBV.

Model 32 two track	60TE32	MFR LIST	\$2099.00
Model 34B four track	60TE34B	MFR LIST	\$2599.00

Accessories:

Remote control	61TERC71	MFR LIST	\$125.00
Rack mount kit	61TERM300	MFR LIST	\$60.00
Replacement 1/4" NAB reel hub adapters One pair	61TETZ612B	MFR LIST	\$20.00

Call Bradley for a current price quotation.



Tascam 464 Portastudio

Tascam originated the four track cassette format and keeps making it more powerful. The 464 offers a host of features including four balanced XLR mic/line inputs and two stereo line inputs on 1/4" TS connectors. The mixer section also has dual effects sends and two stereo effects returns. The two speed recorder transport features all solenoid-type controls for quick, reliable response. The 464 also includes a dual point autolocator with return-to-zero and full auto-rehearse and auto punch-in/punch-out capability. All four tracks may be recorded simultaneously, and metering, status, and tape counter are on a large LCD display screen.

464	60TE464	MFR LIST	\$999.00
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Call Bradley for a current price quotation.



Nakamichi MR-1 and MR-2 Cassette Recorders

The MR-1 and MR-2 are rich with the kind of innovations that have made Nakamichi a household word. Nakamichi's unique Asymmetrical Dual-Capstan system guides the tape past the tape heads with virtually inaudible scrape flutter and wow artifacts. In fact, the machine actually pushes the cassette's pressure pad away from the head and uses its two differently sized, different speed capstans to diffuse audibly resonant vibrations in the tape path. Coupled with ultra-clean electronics, this transport helps to create the famous Nakamichi 20Hz to 20kHz ± 3 dB response. Each of these professional decks sports transport pitch control, adjustable bias tune, 16 segment meters, Dolby B and C noise reduction, wired remote jack, and adjustable headphone amp.

The MR-1 has three independent heads, while the MR-2 has two heads. Inputs and outputs on the MR-1 are both balanced (XLR) and unbalanced (1/4" TS), with a convenient pair of balanced (1/4" TRS) inputs on the front panel. Audio connections on the MR-2 are unbalanced RCA jacks, and its line level outputs are adjustable from -10 dBV to +4 dBm.



MR-1	60NKMR1	MFR LIST	\$995.00
MR-2	60NKMR2	MFR LIST	\$695.00

Accessory:

Wired remote control	60NKR5	MFR LIST	\$50.00
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Call Bradley for a current price quotation.

Tascam Professional Cassette Machines



Here are three heavy-duty pro cassette decks, newly updated by Tascam and ideal for a variety of studio uses. Each machine has Dolby HX Pro for up to 6 dB of added headroom in the high frequency range; each has Dolby B and C noise reduction. Three locate markers let you cue to important points on the tape quickly. A 25-pin parallel port allows multi-machine operation, external transport control, or fader start.

All models provide 12% pitch control, separate left and right input controls. Cue and Review functions, record mute, and rack ears. The performance specs speak for themselves: signal-to-noise of at least 78dB (with Dolby C engaged), frequency response when using metal tape of 25Hz to 19kHz or better, and distortion of less than one percent.

122 MKIII: The prodigy in an established family line of 122 machines, the 122 MKIII is a three-head cassette deck with class. Use it on the air with confidence. Bias and level calibrations are readily accessible on the front panel. Input level controls are gear/clutch coupled. The three-head system features Cobalt Amorphous heads which permit independent azimuth adjustment. The reliable Tascam transport features DD capstan motor and Hysterisis Tension Servo System. This machine has both balanced (+4 dBm, XLR) and unbalanced (-10 dBV, RCA on rear and 1/4" on front) connectors.

112 MKII: For durable Tascam performance in an economical machine, choose the 112 MKII, a two-head deck with unbalanced connectors (-10 dBV, RCA on rear and 1/4" on front). An optional balancing kit with XLR connectors is available.

112R MKII: This is an auto-reverse, three head machine that's useful in professional applications requiring extended recording and playback time. A special head rotates 180 degrees when the tape changes direction to assure accurate alignment for playback of both sides of the tape. The deck provides unbalanced connectors like the 112 MKII.



122 MKIII	60TE122MKIII	MFR LIST	\$1299.00
112 MKII	60TE112MKII	MFR LIST	\$829.00
112R MKII	60TE112RMKII	MFR LIST	\$1099.00

Call Bradley for a current price quotation.

LA-112 Balancing Kit (for 112 MKII and 112R MKII)	60TELA112	MFR LIST	\$100.00
RC-112R Remote Control (for 112R MKII)	61TERC112R	MFR LIST	\$225.00
RC-134 Remote Control (122 MKIII and 112 MKII)	61TERC134	MFR LIST	\$225.00

**Bradley offers the latest in digital multitrack recorders.
Check out our digital products on pages 1-15.**

Dual Cassette Recorders

Our dual cassette recorders have at least one well that records and plays back and one well that only plays back; normal and twice speed dubbing; Dolby B and C noise reduction; -10dBV inputs and outputs on RCA phono jacks; and front panel headphone jack.

The Tascam 202MKII has two auto-reversing transports with simultaneous record on both transports and continuous playback capabilities. Built for studio use, the 202MKII is enhanced by Dolby HX Pro.

Both the Technics RS-TR232 and RS-TR333 share a number of quality features, including Dolby HX Pro headroom extension, Dolby B and C noise reduction, and series play capability. On the RS-TR232, only deck 2 will auto-reverse; on the RS-TR333, both decks will auto-reverse. The RS-TR232 has a tape counter only on deck 2; the RS-TR333 has tape counters for both decks as well as adding a front panel bias adjustment for deck 2.

Machines are high impedance, low level, unbalanced on inputs and outputs; a bi-directional interface amplifier (page 96) is recommended for broadcast applications.

202MKII	60TE202MKII	MFR LIST	\$499.00
RS-TR232	60TCRSTR232	MFR LIST	\$199.00
RS-TR333	60TCRSTR333	MFR LIST	\$229.00

Note:

Rack mounting shelves are available for these models. Shelves are priced at only \$89.00 each; please specify model when ordering.

Call Bradley for a current price quotation.



Tascam/Teac Cassette Recorders

Tascam 103 and 102 Cassette Recorders

These two decks offer Tascam quality at a moderate price. Both the three head 103 and two head 102 feature Dolby B and C noise reduction, Dolby HX Pro headroom extension, a tape counter with run time mode, and automatic tape type sensing. Operators will appreciate the uncluttered front panel with headphone jack and bias fine adjustment. Inputs and outputs are -10dBV on RCA jacks. Who could ask for more than Tascam cassette quality on a budget?

Tascam 103	60TE103	MFR LIST	\$549.00
Tascam 102	60TE102	MFR LIST	\$379.00

Call Bradley for a current price quotation.

Teac V510 Cassette Recorder

Looking for an inexpensive cassette deck to make a quick demo copy or to use as a back-up source machine JUST IN CASE? Teac's V-510 does everything it needs to do, and does it for a price that will make you glad you bought it when your expensive machine is on the bench for maintenance. Standard RCA inputs and outputs, Dolby B & C, fluorescent meters, and a straightforward set of controls make this a familiar machine indeed.

V-510	60TEV510	MFR LIST	\$189.00
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Note:

Rack mounting shelves are available for these models. Shelves are priced at only \$89.00 each; please specify model when ordering.



All three models are high impedance, low level unbalanced on inputs and outputs. For broadcast applications, add a bi-directional interface amp (page 96).

Call Bradley for a current price quotation.



Sony TC-K611S



Sony's high fidelity, three-head TC-K611S cassette deck is equipped with Dolby S type noise reduction, HX Pro headroom extension, and B and C noise reduction. The 16 segment FL display and linear tape counter make life easier. Features include record calibration with tone, power loading, multiple AMS, recording mute, level balance control, and memory rewind and reset switch. This machine has a three-motor transport for stable operation. The response checks in at 20-20kHz, $\pm 3\text{dB}$; wow & flutter is 0.05% (WRMS). Dimensions: 17"W x 4"H x 11"D.

TC-K611S 60SOTCK611S MFR LIST \$400.00



Call Bradley for a current price quotation.

Sony TC-WR635S



Sony goes to the well twice and comes up with the TC-WR635S, a dubbing dual cassette deck with Dolby S type noise reduction for increased headroom and low distortion, plus Dolby B and C, all on both wells (one well records, both wells play). Automatic bias calibration sets the bias for whatever tape you're using. Dolby HX Pro headroom extension, dual auto-reverse, and sequential playback are standard.

Important specs: response is 30-18kHz $\pm 3\text{dB}$, wow & flutter is 0.07% (WRMS) and dimensions are 17"W x 4"H x 12"D.

TC-WR635S 60SOTCWR635S MFR LIST \$330.00

Call Bradley for a current price quotation.



Note:
Rack mounting shelves are available for these models. Shelves are priced at only \$89.00 each; please specify model when ordering.

Marantz PMD-500 & PMD-510

For sophisticated dual-well cassette decks, take a good look at Marantz. We feature two fine machines: the PMD-500 and the PMD-510. Both allow simultaneous recording from a single source, playback on one tape while recording on another, quick auto-reverse, Dolby B and C Noise Reduction, Dolby HX Pro, music search, memory rewind, and more. Serial recording allows up to three hours of continuous material. Both machines are rackable, occupying three spaces, and both provide -10dBV on unbalanced RCA connectors. An RC5 port makes serial, IR, or master remote control a breeze to configure. Standard or high speed dubbing and auto tape-type select are also included.

The PMD-510 is a comprehensive dual machine with extra features including 15% pitch control, cascade circuitry allowing series recording with multiple machines, and separate meters and counters for each well. You can also record from separate sources simultaneously; discrete inputs and outputs are provided. A switchable headphone jack allows cueing of one well while the other is playing. Essentially, the PMD-510 contains two independent decks in one chassis.

PMD-500 60MR500 MFR LIST \$599.00

PMD-510 60MR510 MFR LIST \$799.00



RC5PMD Remote Accessory Kit
61MRRC5PMD MFR LIST \$75.00

Call Bradley for a current price quotation.

See our Audio Interface section for interface amps to connect unbalanced equipment to balanced gear.



Marantz Portable Cassette Recorders

These rugged and reliable recorders are described in full on page 16 in our Field Production section.

PMD201 mono, two head	60MR201	\$239.00
PMD221 mono, three head	60MR221	\$289.00
PMD222 mono, three head, XLR mic input	60MR222	\$309.00
PMD430 stereo, three head	60MR430	\$449.00



Check out page 25 for a convenient soft carrying case for your Marantz deck from Kaces and Bradley.

Technics RS-BR465 Auto-Reverse Cassette Deck

The two motor drive of the RS-BR465 means fast reverse time and better deck reliability. Dolby B and C noise reduction and Dolby HX Pro headroom extension are all provided. Other features include cue and review, auto tape type selector, bias fine adjustment, headphone jack, and MPX filter. Need balanced audio? See page 96 for bidirectional interface amps.

RS-BR465	60TCRSBR465	MFR LIST	\$229.00
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Call Bradley for a current price quotation.



Denon DN-770R Cassette Deck



Denon's dual cassette recorder can play two cassettes at the same time, acting like two independent decks. You can play on deck A and record on deck B (for example, play an instrumental on A while adding vocals to record a new mix on B). Record sequentially on two tapes without missing precious seconds. Features include auto-reverse, pitch control, relay record, high-speed dubbing, Dolby B/C and HX Pro, return-to-zero, and long-life amorphous heads. Three-space rack ears included. Uses unbalanced RCA phono connectors; see page 96 for bidirectional interface amps.

DN-770R	60DEDN770R	MFR LIST	\$650.00
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Call Bradley for a current price quotation.



Tascam Cassette Duplicators

The T-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 to 1 duplication ratio is employed, with one pass duplication of any or all tracks. The master unit makes a single copy, and provides an onboard monitor amp and speaker, $\pm 3\%$ pitch control, master reproduce level metering and adjustment, and an automatic rewind function which the slaves can follow. Up to ten slaves, each creating two copies, can be connected to the master. The system can handle standard or chrome bias and EQ.

Master unit with single slave	60TET2640MS	MFR LIST	\$2999.00
Dual slave	60TET26402S	MFR LIST	\$2749.00

Call Bradley for a current price quotation.



Professional Recording Tape and Accessories

Ampex Reel to Reel

Model	Item No.	Size	Reels/ Ctn.	Carton Price	Single Price
499	61AM499174111	1/4" x 2500' x 10 1/2"	10	\$223.20	\$26.78
499	61AM49917611T	1/4" x 2500' HUB	10	124.00	N/A
456	61AM456151111	1/4" x 1200' x 7"	10	78.40	9.40
456	61AM456173111	1/4" x 2500' x 10 1/2"	10	208.30	24.98
456	61AM45617611T	1/4" x 2500' HUB	10	114.00	N/A
456	61AM456273111	1/2" x 2500' x 10 1/2"	7	257.60	44.13
456	61AM456573111	1" x 2500' x 10 1/2"	5	389.60	N/A
456	61AM45697G111	2" x 2500' x 10 1/2"	2	275.70	N/A
406	61AM406151131	1/4" x 1200' x 7"	10	66.10	7.93
406	61AM40617313J	1/4" x 2500' x 10 1/2"	10	170.10	20.40
406	61AM40617613T	1/4" x 2500' HUB	10	91.80	N/A
407	61AM407151131	1/4" x 1800' x 7"	10	86.90	10.42
407	61AM40717313J	1/4" x 3600' x 10 1/2"	10	230.80	27.67
407	61AM40717613T	1/4" x 3600' HUB	10	146.50	N/A

Ampex Tape Types
499 Grand Master Gold, 1.5 mil, Backcoated.
456 Grand Master, 1.5 mil, Backcoated.
406 Mastering, 1.5 mil, Backcoated.
407 Mastering, 1.0 mil, Backcoated.

3M Reel to Reel

Model	Item No.	Size	Reels/ Ctn.	Carton Price	Single Price
996	61SC996142500	1/4" x 2500' x 10 1/2"	12	\$276.00	\$28.40
226	61SC226141200	1/4" x 1200' x 7"	12	93.36	9.90
226	61SC226142500	1/4" x 2500' x 10 1/2"	12	243.00	25.00
226	61SC2261425H	1/4" x 2500' HUB	12	139.00	N/A
226	61SC226122500	1/2" x 2500' x 10 1/2"	10	364.50	46.00
806	61SC806141200	1/4" x 1200' x 7"	12	81.60	8.79
806	61SC806142500	1/4" x 2500' x 10 1/2"	12	204.12	22.00
806	61SC8061425H	1/4" x 2500' HUB	12	129.00	N/A

3M Tape Types
996 Highest Headroom, 1.5 mil, Backcoated
226 High Headroom, 1.5 mil, Backcoated.
806 Low Noise, High Output, 1.5 mil, Backcoated.

All tape is loaded on reels by the factory. 7" reels are plastic, 10" reels are metal. Other tape formulations and sizes are available. Due to their fragile packaging, hubs are available only in full cases.



Cassette Tapes

Bradley saves you money on the cassette tapes you need. Get the same low price on any quantity up to 100. When ordering 100 tapes of any mix, take an additional 10% off.



Model	Length	Item Number	Price
Maxell XLI	60 min	61MXXL2C60	2.17
Maxell XLI	90 min	61MXXL2C90	2.58
Maxell XLI	100 min	61MXXL2C100	2.98
Maxell MX	60 min	61MXMXC60	2.17
Maxell MX	90 min	61MXMXC90	2.71
Maxell MX	110 min	61MXMXC110	2.98
3M AVX	20 min	61SCAVX20	95¢
3M AVX	30 min	61SCAVX30	99¢
3M AVX	60 min	61SCAVX60	1.19
3M AVX	90 min	61SCAVX90	1.62
3M AVX	120 min	61SCAVX120	2.19

Tape Types
Maxell XLI - Type II, high bias for music recording.
Maxell MX - Type IV, metal formulation for critical recording.
3M AVX - Type I, normal bias for general recording.

Digital Audio Tape

Length	Panasonic #	Price	Maxell #	Price
46 Minutes	61PARTR46P	\$6.69	61MXR46DM	\$6.95
60 Minutes	61PARTR60P	7.30	61MXR60DM	8.10
90 Minutes	61PARTR90P	8.80	61MXR90DM	9.75
120 Minutes	61PARTR120P	9.50	61MXR120DM	11.55
Geneva DAT Head Cleaning Tape			61NOPF390	\$29.00

Test Tapes

MRL Reel to Reel Test Tapes

Bradley offers the full line of MRL test tapes for all types of tape recorders. Spot frequency tapes are for overall frequency response checking. Fast sweep and pink/white noise tapes are used for frequency response or phasing verification. Most 1/4" test tapes for 7 1/2 and 15ips are \$57.00 and most 1/2" tapes at those speeds are \$118.00. Tapes can be ordered with NAB or IEC equalization; for 1/4", 1/2", 1", and 2" machines; for various operating levels; and for 3 1/2, 7 1/2, 15, and 30ips. Below is a selection of our most popular models. Your Bradley professional can help you select the right test tapes for your recorders.

1/4" Spot Frequency, 7 1/2 ips, 250nWb/m, NAB	60ML21T204	\$ 57.00
1/4" Spot Frequency, 15ips, 250nWb/m, NAB	60ML21J205	\$ 57.00
1/2" Spot Frequency, 15ips, 250nWb/m, IEC	60ML31J229	\$118.00

Geneva 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 seven spot frequencies, 400Hz Dolby calibration tone, pink noise and sweep tone for stereo phasing, and 3150Hz pilot tone for wow and flutter measurements.

61NOAT200B \$102.00

Don't see what you need? Call us!

TAPE RECORDERS

Toll Free: 800-732-7665 • Direct: 301-948-0650 • FAX: 301-330-7198 • **Bradley Broadcast**



Reel-to-Reel Tape Accessories

3M Splicing Tape For 1/4" Tape

- #41 1.5mil acetate tape in white. General use splice tape with a non-removable adhesive. 66 feet per roll.
61SC41 \$3.15
- #67 1.0mil polyester tape in blue. Durable, but removable. 100 feet per roll.
61SC67 \$5.50
- #620 1.0mil polyester tape in white. High reliability with a permanent bond. 66 feet per roll.
61SC620 \$4.75

Call for pricing on larger format splicing tapes.

3M Leader Tape For 1/4" Tape

- #20 2.5mil uncoated white paper, 7" reel, 1000 feet.
61SC2014 \$7.15
- #61 1.5mil polyester with timing indications each 7 1/2 and 15 inches. 7" reel, 1500 feet.
White 61SC61W \$18.00
Red 61SC61R \$18.00

Call for pricing on larger format leader tapes.

3M Specialty Tapes

Relabel tape covers old, messy labels on your tapes, reels, and boxes. Removes easily. In plastic dispenser, 3/4" x 700'.
61SCRLT \$1.85

Zebra Striped Hold-down tape, 1/4" x 90'.

61SC8125A \$11.04

Empty Reel and Boxes

- 1/4" x 7" plastic reel 60EM7R \$.89
Box for 7" plastic reel 60EM7WB \$.55
1/4" x 10 1/2" plastic reel 60EM10R \$2.90
Box for 10 1/2" plastic reel 60EM10WB \$1.45
1/4" x 10 1/2" metal reel in box 61SCRNB14 \$18.75

3M RSD-1 Dispenser

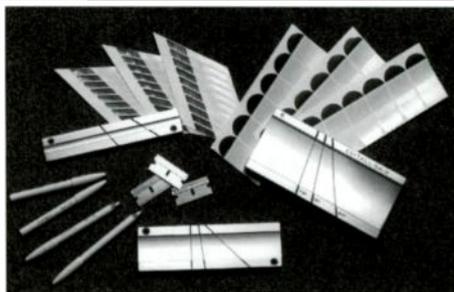


Pictured supplies not included.

This convenient 9 1/2" x 6" desk-top device makes it easy to store and dispense your most used tape accessories. It provides space to store an assortment of seven leader, timing, and splicing tapes, a brush to hold razor blades, and space for a container of head cleaning solution and cleaning swabs. (Supplies sold separately.)

RSD-1 61SCRSD1 \$126.00

Editing Supplies



Editall pre-cut polyester splicing tabs make splicing recording tape easy.

- 250 1/4" tabs 61EDCX1 \$15.00
250 1/2" tabs 61EDCX6 \$23.00
250 1" tabs 61EDCX8 \$37.00
250 cassette tabs 61EDCX3 \$15.00

Editall splicing blocks are precision machined anodized aluminum blocks that hold the tape firmly for fine quality splices. Provisions for multitrack and 45° cuts.

- 1/4" block 61EDS3 \$39.00
1/4" block with 90° and 45° cuts 61EDS390 \$39.00
1/4" replacement block for Otari MX-5050B-II 61EDS30T \$49.00
1/2" block 61EDS35E \$52.00
1" block 61EDS4 \$87.00
2" block 61EDSA2 \$165.00
Cassette block 61EDS1S \$42.00

White grease pencils for marking recording tape. One dozen.
61EDWP1 \$14.00

100 single edged razor blades designed for professional splicing.
61EDRB1 \$15.00

Intraclean Head Care Products



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.

- Two ounce bottle 60ICS711 \$7.15
Quart can 60ICS711Q \$25.95
Gallon can 60ICS711G \$65.00

Bulk Tape Erasers



Audiolab TD-1B

This sturdy tabletop eraser completely erases magnetic media up to 1/4" thickness on reel sizes up to 10 1/2". 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 MFR LIST \$135.00

Also available:

Audiolab TD-4 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 MFR LIST \$950.00

Audiolab TD-5 for 2" tape.

60AUTD5 MFR LIST \$1695.00

Call Bradley for a current price quotation.

Fidelitypac 400

Dependable and attractive, this tabletop eraser is an excellent choice for 1/4" reel tape, cassettes, and cartridges.

60FP400 MFR LIST \$130.00

Call Bradley for a current price quotation.

Geneva PF-211

The powerful 60Hz magnetic field erases 1/4" reels, cassettes and cartridges. Burn-out resistant design. Case contoured to fit comfortably in the hand.

61NOPF211 MFR LIST \$69.95

Cotton cleaning swabs with 6" highly polished maple stick. The tip is tightly wound and mounted with solvent resistant glue to prevent unraveling.

- 100 swabs 60BBCS100 \$2.95
1000 swabs 60BBCS1000 \$18.95

Pump dispenser makes it easy to keep a few ounces of S-711 handy and reduces the chances of spilling. A great way to take advantage of economical quarts and gallons.

60ICPD \$29.00

D-511 head demagnetizer 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 \$29.95

K-161 head care kit is a special package that includes the CD-511 demagnetizer, a two ounce bottle of S-711, and 100 cotton swabs. Convenience and economy.

60ICK161 \$35.95



Broadcast Electronics Dura Trak 90A

The Dura Trak 90A cart machines offer sparkling audio, reliability, and ruggedness. They include three cue tones, fast forward, cart-previously-played lockout, pressure roller cleaning mode, DC servo motor, and much more. Toroidal transformers and CMOS logic reduce heat dissipation, and provide superior noise performance and immunity. Hall-effect switches will operate flawlessly through thousands of operations. A low voltage, current regulated solenoid provides a full 1.25 pounds of tape pull while generating 66% less heat than other machine designs.

For clean, easy erasure of carts, order the Splice Trak 90, which also detects the splice and cues just past it.

Mono playback only	60BRDT90P	MFR LIST	\$1650.00
Mono record/playback	60BRDT90RP	MFR LIST	\$2500.00



Stereo playback only	60BRDT90PS	MFR LIST	\$1800.00
Stereo record/playback	60BRDT90RPS	MFR LIST	\$2750.00
Splice Trak 90	60BRST90	MFR LIST	\$1150.00

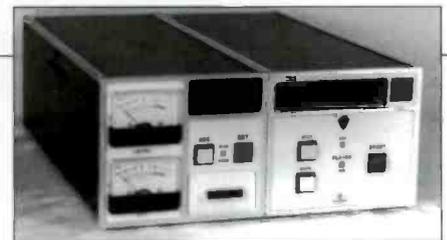
Call Bradley for a current price quotation.

Audi-Cord DL Series Cart Machines

These cart machines are surprisingly rugged considering their low price. They offer a full range of features, including two cue tones, replay reminder system, manual or automatic output muting, and automatic motor shutoff. Record models provide bias and tone present indicators, automatic record/play meter switching, and front access tone editing. Engineers will appreciate the DL Series' modular design, plug-in circuit cards, and heavy-duty quality construction. Select single transport models or the exclusive "studio in a box" incorporating two record/play units on one chassis. Record units are also available with an integral timer, and tertiary (third) tone may be added to any deck at the factory or in the field.

Mono playback only	60ACDLPM	MFR LIST	\$920.00
Stereo playback only	60ACDLPS	MFR LIST	\$1000.00
Mono record/play	60ACDLRM	MFR LIST	\$1290.00
Mono record/play w/timer	60ACDLRM5	MFR LIST	\$1370.00
Stereo record/play	60ACDLRS	MFR LIST	\$1480.00

Call Bradley for a current price quotation.



Stereo record/play w/timer	60ACDLRS5	MFR LIST	\$1560.00
Dual mono record/play	60ACDLDM	MFR LIST	\$2270.00
Dual mono record/play w/timer	60ACDLDM5	MFR LIST	\$2350.00
Dual stereo record/play	60ACDLDS	MFR LIST	\$2630.00
Dual stereo record/play w/timer	60ACDLDS5	MFR LIST	\$2710.00

Accessories:

Tertiary tone record capability	60AC1840007	MFR LIST	\$55.00
Tertiary tone detection	60AC1840009	MFR LIST	\$35.00
Rack shelf assembly	60AC1850006	MFR LIST	\$68.75

Fidelipac Dynamax Cart Machines

The CTR-10 series of cartridge machines has gained wide acceptance in the broadcast industry, due to their excellent performance and operational characteristics. CTR-10 standard features include fast forward, secondary and tertiary tones, high speed recue, and an audio switcher/mixer function for using multiple machines on a single console input. Switch selectable audio test metering and a cart-played indicator with replay lockout enhance the versatility of the CTR10 series. (For info and pricing on the upscale CTR100 version cartridge machines, call Bradley.)

Fidelipac also offers the ESD10 eraser/splice finder to make your production of carts easier.

CTR11 Mono playback	60FPCTR11	MFR LIST	\$1795.00
CTR12 Stereo playback	60FPCTR12	MFR LIST	\$1935.00
CTR13 Mono record/playback	60FPCTR13	MFR LIST	\$2640.00
CTR14 Stereo record/playback	60FPCTR14	MFR LIST	\$2890.00
ESD10 Eraser/splice finder	60FPESD10	MFR LIST	\$1190.00

Call Bradley for a current price quotation.



Check out our Digital Audio section for more cart machines!



Cartridges

audiopak Cartridges



Three great lines of cartridges are available from audiopak. The A2 is an economical, popular choice for monaural use featuring precise tape guidance and bracing. The AA4 boasts Formula 615 lube tape, which provides superior magnetic properties in a high output, low noise tape. Tight quality control provides you with consistent performance, cart after cart. Also available is the AA3 cartridge, also suitable for stereo use. Factory loads are available in lengths up to 10½ minutes, and Bradley offers empties, lube tape, and replacement parts for all audiopak cartridges. Call for pricing.

Fidelipac Cartridges

The Dynamax Cobalt Cartridge tops the Fidelipac line using high output, low noise tape for extended head room. The Audiomax cart uses a high output tape formulation. Mastercarts are available for those stereo applications requiring standard operating level, and the Model 300 is an economical choice for mono use. Standard lengths are from 20 seconds to 10½ minutes. Empties, bulk tape, replacement parts, and B and C size carts are also available. Call Bradley for current pricing.



Geneva PF710 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 adjustment checks tape guide and track height to ±0.001" accuracy.

61NOPF710 \$38.00

ITC Cart II

The ITC Cart II uses 219 tape formulation based on high quality mastering tape. The tape has a surface which nearly eliminates oxide shedding to reduce head and guide wear. Concave guides and no pressure pads mean accurate tape guidance. The life extension cam enables adjustment of tape tension, permitting extended cart life and improved cart to cart consistency. Lengths up to 7½ minutes are available and 219 tape can be purchased on hubs. Call for pricing.



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 type of cart shell that you use at your station to ensure accurate machine setup. The multi-frequency tape is the most widely used for reproduce gain, head azimuth, and frequency response calibration. Also available are single frequency tapes, fast and slow frequency sweeps, pink and white noise, and cue tone test tapes at the same price. These full track master recordings, with cue track erased, are suitable for mono or stereo players. Specify 160nWb/m or 250nWb/m.



audiopak shell	60MLS211AP	\$60.00
ITC shell	60MLS211SC	\$60.00
Fidelipac 300 shell	60MLS211FP	\$60.00
Fidelipac Mastercart shell	60MLS211MC	\$60.00
Fidelipac Dynamax Cobalt shell	60MLS211DC	\$60.00

Cart Labels

Each sheet has eight labels. White with colored stripe. Specify black, brown, red, orange, yellow, green, blue, or purple stripe.

60BR834000X \$17.00 per 100 sheets - All same color

CRL Real Time Event Sequencer

The CRL Real Time Event Sequencer, a popular way to automate repetitious tasks, is now even better. The starting time of an event can be programmed to the second; the sequencer can control each month's weekly sequences of events for a year (handy for outdoor lighting, AM transmitter control, and other events that depend on the time of year).

The unit can be set to trigger up to 255 events. Outputs are selectable to either latch on or provide a half or full second contact closure. Two output modes are available: the standard mode which allows any combination of eight outputs to fire at any one time, and a binary encoded mode which fires one of 255 external devices. New terminal software lets you back up your programmed events to computer disk. Security keylock and battery backup are included.

Event Sequencer 60CUES *MFR LIST* **\$895.00**



25Hz Automation Accessories

25Hz tones are placed on reel to reel tapes to signal automation systems. The Conex CG-25A tone generator is used to record a 25Hz tone of predetermined length on either or both audio channels between selections.

The Zercom 25Hz tone processor unit provides all necessary functions to interface a reel-to-reel recorder with an automation or live-assist system. Each unit consists of two independent 25Hz decoders feeding two program amplifiers with 25Hz notch filters.

Conex CG-25A	60CNCG25	<i>MFR LIST</i>	\$420.00
Zercom 25Hz Processor	60ZE25	<i>MFR LIST</i>	\$390.00

Call Bradley for a current price quotation.



The Phantom Digital Audio System from RDS



The Phantom is digital audio automation from Register Data Systems, a leader in bringing business and operations computers to broadcasters. The Phantom is designed to provide everything needed to record, store, and play commercials, liners, ID's, and other promotional material on the hard disk of a computer.

Although the Phantom, in its most basic function, can replace cart machines on air or in production, the system is ideal for satellite automation or enhancing live work.

Import a log from a traffic system, or create your own. Record a spot and play it back in audition while the system is performing its on-air break duties. The Phantom can automatically switch input sources according to your schedules, which can be stored days or weeks in advance.

The Phantom can detect incomplete breaks and fill them with spots you've selected ahead of time. It can dynamically re-time spots to fit exactly within a network break window without dead air or overlapping with the net's re-join. A splice editor lets the operator trim dead air off the head and tail of cuts, combine sections of different cuts, or separate cuts when downloading network bulk feeds.

The system provides six stereo inputs using its audio matrix switcher, with the option of increasing the number of inputs to 14 or more. The computer display is clean and concise, using easy-to-understand pull-down menus for setup and operation.

The Phantom is available with a variety of hard disk configurations for storage needs ranging from 3½ hours to 27 hours of 15kHz stereo audio and beyond. Larger systems can be quoted as desired. The Phantom offers a number of digital encoding methods including Dolby AC-2.

All systems include a rack-mounted 486-DX CPU, 3.5" floppy drive, VGA color monitor, and keyboard. The heart of the system, including matrix switcher, occupies only six rack spaces.

For help in configuring the Phantom to fit your station's needs, call Bradley.

P341 with 330 MB HD	60RGP341	MFR LIST	\$10,450.00
P342 (with backup)	60RGP342	MFR LIST	\$12,250.00



P541 with 520 MB HD	60RGP541	MFR LIST	\$12,000.00
P542 (with backup)	60RGP542	MFR LIST	\$14,750.00
P841 with 877 MB HD	60RGP841	MFR LIST	\$14,250.00
P842 (with backup)	60RGP842	MFR LIST	\$17,000.00
P1241 with 1230 MB HD	60RGP1241	MFR LIST	\$15,550.00
P1242 (with backup)	60RGP1242	MFR LIST	\$18,600.00
P2441 with 2400 MB HD	60RGP2441	MFR LIST	\$18,250.00
P2442 (with backup)	60RGP2442	MFR LIST	\$25,250.00

Accessories:

Second Phantom Controller	60RGPSC	MFR LIST	\$950.00
Report Printer	60RGRP	MFR LIST	\$350.00
External Relay/EOM Interface	60RGPRE	MFR LIST	\$425.00

Selecting a console is one of the most important decisions you'll make. Get the expert advice you need from Bradley Broadcast.

Audioarts MR-40 Audio Mixing Console

The MR-40 from Audioarts combines the features most requested of an on-air and production console in a small, well-designed package. It has machine Start/Stops just below the fader like an on-air console, but also includes a three-band equalizer section so you can have the tone control that a normal radio console couldn't provide. Mono modules have both mic and line inputs. Four subgroup channels provide fader control for record levels and also have a second track playback path for really quick sessions. An on-air type monitor section is provided complete with control room, headphone, and studio outputs, plus all the necessary muting and tally functions. It also has a built-in cue speaker. All audio switches are gold contact, assign buttons are LED illuminated, and all circuits are double tested.



MR-40 Console	60WSMR4012	MFR LIST	\$12,239.00
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Call Bradley for a current price quotation.



Audioarts R-10 Console

It's a little bit of magic from Audioarts. The R-10 mixing console has illuminated on/off switches, gold edge card connections, conductive plastic faders and pots, illuminated VU meters, and socketed IC's for easy service. This is the console value for small stations, or larger facilities needing a remote or utility console with real broadcast specs and performance.

The R-10 comes standard with ten inputs, one per fader, and usually ships with two mic and eight line modules. But you can order any mix at the same price. For smaller studios, order the R-10/6 stuffed with six modules of your choice. An optional rear panel is available for both models to bring all inputs, outputs, and communication ports out to XLR and DB-25 connectors for fast field hookup.

R-10	60WSR10	MFR LIST	\$3979.00
R-10/6	60WSR106	MFR LIST	\$2729.00

Call Bradley for a current price quotation.



Audioarts A-50 Console

The A-50 achieves remarkable reliability and value for its price class. It is available in two mainframe sizes. Both include four meters, event timer, control room and studio monitor modules, and headphone and cue amps. The 12 fader frame can be ordered with all 12 modules or it can be short loaded with only eight modules. The 18 fader version adds a clock to the meter bridge.

Each input module allows selection between two inputs. A dual mic preamp is included and can be assigned to any channel, and additional mic preamps are optionally available. Full machine control functions, channel logic, and monitor muting are dip switch selected on each module. The A-50 has one mono and two stereo outputs.

Audio performance is spectacular. Dynamic range, noise, distortion, and slew rate specifications combine to make the A-50 a perfect match for your digital sources. Construction features include plastic conductive faders, socketed IC's, external heavy-duty power supply, and full documentation. The A-50 sits on your table top, so no cut-out is required.

A-50 8 Fader	60WSA508	MFR LIST	\$4795.00
A-50 12 Fader	60WSA5012	MFR LIST	\$6995.00
A-50 18 Fader	60WSA5018	MFR LIST	\$9495.00

Accessories:

Additional dual microphone preamp

60WSMC2	MFR LIST	\$289.00
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Full function tape machine remote control

60WSFF1	MFR LIST	\$202.00
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Start/stop remote control for three devices

60WSSS3	MFR LIST	\$202.00
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Six source preselector

60WSLS50	MFR LIST	\$269.00
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Custom stamping of OFF buttons for source identification

60WSHS50	MFR LIST	ea: \$7.89
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Colored fader Select from black, blue, green, gray, orange, red, or yellow. Standard fader is white.

60WSCF50XX	MFR LIST	\$5.79
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Call Bradley for a current price quotation.

Comrex Talk Console

With the Comrex Talk Console, all you need is a host and some phone lines to produce call-in programming anywhere. The Talk Console includes two phone line inputs with self-adjusting hybrids and a dial pad, two microphone inputs and two headphone outputs for use by the host and his/her guest, and a line level input for a tape deck or other source. Features include a telephone line cue mode so the host can talk with a caller off air and remote contact closures for profanity delays or tape machine start. This compact (13"W x 9"D x 3 1/2"H) package is ideal for remote talk show broadcasts, news room interviews, and other call-in applications. In remote applications, the Talk Console's performance can be enhanced using Comrex Frequency Extenders, found in our Field Production section.

Talk Console	60CCTC	MFR LIST	\$2495.00
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Call Bradley for a current price quotation.



Broadcast Electronics AIR TRAK 90 Console

This console is easy: Easy to install because the tabletop design and hinged chassis allow quick access to all connections and components. Easy to use because operator controls are functionally arranged with crisp, clean graphics. Maintenance could not be easier thanks to BE's "designed-in" reliability.

VCAs, used on all audio controls, and electronic switching contribute to the AIR TRAK 90's low noise performance. Every channel has three wide ranging inputs that can be individually adjusted for mic or line level. The stereo program, audition, and auxiliary outputs each have a derived mono output. While the program and audition outputs are operator selected, the auxiliary output is assigned using internal jumpers making it ideal for setting up a mix-minus for call-ins. Other standard features include a versatile talkback system, "monitor dim" function allowing automatic dimming of monitors when a channel is in cue, clock timer module, polycarbonate overlays, and channel On/Off switches that follow input selection. High performance faders are standard and Penny & Giles faders are available at extra cost. For P&G faders, add "PG" to the part number. \$50 per fader.

The AIR TRAK 90 is easy to install, easy to use, and easy to maintain.

AIR TRAK 90 6 Fader	60BRAT9006	MFR LIST	\$5295.00
AIR TRAK 90 12 Fader	60BRAT9012	MFR LIST	\$7295.00



AIR TRAK 90 18 Fader	60BRAT9018	MFR LIST	\$9595.00
AIR TRAK 90 24 Fader	60BRAT9024	MFR LIST	\$12,695.00

Also available:

MIX TRAK 90 modular consoles offer uncompromised performance, flexibility, and dependability. Full configured MIX TRAK 90 consoles start at about \$15,000. Contact Bradley for details.

Dynamax MX Series Console

The well-known cart machine manufacturer is now a leader in the console industry as well.

These modular consoles from Fidelipac ask you to make no compromises. Each input module carries its active circuitry; you won't have to get to the motherboard to replace active components. That makes service easier. MX Series consoles are built in sizes from six to 18 faders. Each fader has two inputs, one of which may be configured as a mic input with an optional preamp on the module (one preamp comes with the console). All line inputs may be wired for stereo or mono sources, at professional or consumer levels, so you save the cost of outboard matching devices.

Your operators will appreciate the flexible output design, which provides assignable Stereo Program, Stereo Audition, and two Mono outputs for convenient "mix-minus", cueing, and simulcast uses. Standard remote logic on each module provides dry contacts or pulsed or holding logic. This is a VCA-design console; no audio passes through the faders, so dust and dirt can't cause noise.

MXL consoles offer from six to 12 faders mounted three inches apart; MXE consoles permit 10 to 18 faders mounted two inches apart. If you prefer rotary faders, call us for details.

MX6L	60FPMX6L	MFR LIST	\$3530.00
MX8L	60FPMX8L	MFR LIST	\$4050.00
MX10L	60FPMX10L	MFR LIST	\$4820.00
MX12L	60FPMX12L	MFR LIST	\$5340.00
MX10E	60FPMX10E	MFR LIST	\$4950.00
MX12E	60FPMX12E	MFR LIST	\$5530.00
MX14E	60FPMX14E	MFR LIST	\$6110.00
MX16E	60FPMX16E	MFR LIST	\$6690.00
MX18E	60FPMX18E	MFR LIST	\$7270.00



Accessories:

MPK-2 Mic Preamp Kit (console ships with one)	61FPMXPK2	MFR LIST	\$50.00
MX-LM Spare Linear Module	61FPMXLM	MFR LIST	\$310.00
S-MX Semiconductor/Fuse Kit	61FPSMX	MFR LIST	\$105.00

Call Bradley for a current price quotation.



Mackie 8-BUS Series Consoles



These new consoles from Mackie are great for recording and PA use. They're available in 16, 24, and 32 channel versions, and the number of inputs can be doubled for mixdown thanks to the console's MIX-B feature. All channels have high headroom mic preamps for big-board performance.

Two assignable headphone monitoring systems allow you to build custom ear mixes for the talent and the operator. Standard features include +48V phantom power, sophisticated four-band EQ, six stereo assignable AUX returns, stereo solo, and built-in talkback with mic. All channels provide patching, direct out, tape returns, balanced mic inputs (XLR), and balanced line inputs (1/4"); the console provides balanced XLR's on the main L/R output. The power supply is rack mountable.

Distortion across the audio band is below 0.025%, response is 20Hz-40kHz ± 1 dB. Maximum gain from mic to balanced main out is +80dB.

An optional tiltable meter bridge provides ladder LED's for each input channel and VU meters for the main outputs.

32-8 32x8x2	60MD328	MFR LIST	\$4995.00
24-8 24x8x2	60MD248	MFR LIST	\$3995.00
16-8 16x8x2	60MD168	MFR LIST	\$3195.00



MB32 Meter Bridge for 32-8	60MDMB32	MFR LIST	\$895.00
MB24 Meter Bridge for 24-8	60MDMB24	MFR LIST	\$795.00
MB16 Meter Bridge for 16-8	60MDMB16	MFR LIST	\$695.00

Call Bradley for a current price quotation.

Mackie Designs MicroSeries 1202

This is not just another compact mixer. The MicroSeries 1202 has a working signal-to-noise ratio of 90dB, 108dB dynamic range, distortion below 0.025% across the audio spectrum, switchable 48 Volt phantom power, and +28dB balanced line drivers. Channels 1-4 have XLR mic inputs and 1/4" TS line inputs while channels 5-12 have 1/4" TRS line inputs configured in four stereo pairs. Input channels have center detent gain and pan controls, two aux sends, channel patching, and a two-band EQ. The master section includes two stereo aux returns, headphone level control, RCA phono jack tape inputs and outputs, and a switchable LED meter display that shows output, mic bus, or line bus level. The mixer has a steel chassis and built-in power supply. Think of how you can use the MicroSeries 1202, because, at its low price, you can certainly afford to put it to work for you.

Check out page 25 for a convenient soft carrying case for your 1202 mixer from Kaces and Bradley.

MicroSeries 1202	60MD1202	MFR LIST	\$399.00
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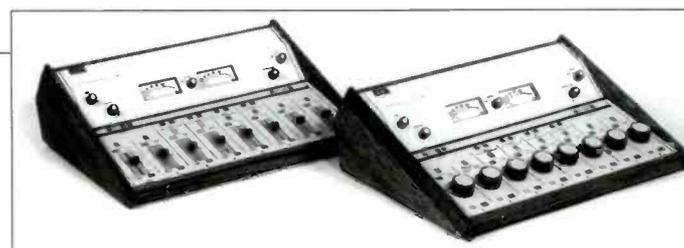
Call Bradley for a current price quotation.

ATI Vanguard Console

The Vanguard series is a popular choice for broadcasters seeking a well built, but reasonably priced console. The audio is VCA controlled for clean, reliable performance. Nearly all switching control functions on the Vanguard are handled by membrane switches, which are raised, silent, and tactile. The control legends have color graphics behind a tough polycarbonate overlay. The front panel hinges for quick access to the plug-in amplifier modules and punch block audio connections. Vanguard consoles include dual stereo program outputs each with a mono mix output, dual VU meters that are switchable between the program outputs, internal cue and headphone amps, two mic preamps with pan pots, and two muted monitor feeds.

Six channel consoles have ten inputs, eight channel consoles have twelve inputs, and the twelve channel console has twenty four inputs.

6 channel, rotary	60AIBC6DSR	MFR LIST	\$3095.00
6 channel, linear	60AIBC6DSL	MFR LIST	\$3095.00
8 channel, rotary	60AIBC8DSR	MFR LIST	\$3595.00
8 channel, linear	60AIBC8DSL	MFR LIST	\$3595.00
12 channel, linear	60AIBC12DSL	MFR LIST	\$5195.00



Accessories:

Additional dual mic preamp	60AIMIC	MFR LIST	\$150.00
Dual 5 x 1 input expanders	60AIEXP	MFR LIST	\$275.00
Relay option for on air lights	60AIRLY	MFR LIST	\$125.00
4 channel start/stop switches	60AISSS	MFR LIST	\$125.00
Dual phone line mix-minus	60AIMXM	MFR LIST	\$150.00
2 stereo LED bar-graph meters	60AIBGD	MFR LIST	\$350.00
Spares and maintenance kit	60AISCK	MFR LIST	\$125.00

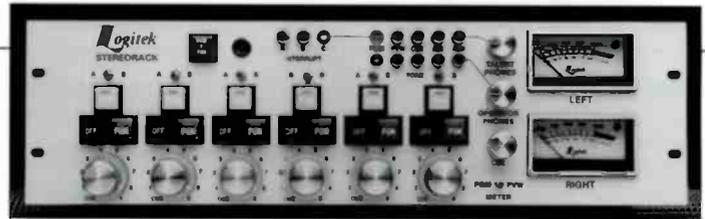
Call Bradley for a current price quotation.



Logitek Stereorack Console

The Stereorack is a full featured, dual bus stereo console in a standard 19" rack mount. 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 with a standard cue detent. The channel select buttons are high reliability Hall-effect pushbuttons. Seven internal mic preamps are hard wire assignable on the rear panel, and each output bus has its own stereo, four output distribution amplifier. Two separate headphone systems each have independent 5 x 1 source switching, and the talent system provides for separate IFB-style interrupts for up to three different headsets. The Stereorack is system friendly, providing logic for the remote starting of machines and for accepting remotely generated channel commands.

The unique Logitek "swap" key can automatically interchange all selected program and audition assignments. This handy feature is indispensable for sports and election coverage because it allows for presetting and salvo switching of an entire mix. In addition, an internal virtual mono mix-minus bus allows the Stereorack to handle telephone talk applications without tying up the audition bus. 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 0.05%.



Logitek Stereorack 60LTSR MFR LIST \$3900.00

Also available:

Audiorack - A monaural version of the Stereorack offering the same features.
60LTAR MFR LIST \$2990.00

Call Bradley for a current price quotation.

Radio Systems RS Series Console

Radio Systems RS Series Consoles led a revolution in console value that continues today. Standard features include two inputs per channel, built-in event timer, full metering, DC control, P & G faders, illuminated on/off switches, and much more. Talkback ability, heavy duty cue speaker, and headphone jack are provided. Every input is capable of accepting mic, consumer, or line-level sources which you can mix and match on any channel. Each input can also be individually programmed for all muting, remote start, and logic functions. That means full flexibility in how you wire your console.

The RS Series provides fast access to internal modules with a single lift up front panel. All components are socketed; I/O connectors are fast push-on type, and switches and pots are connectorized for fast replacement. Full DC control with electronic switching and VCAs improves crosstalk and noise performance dramatically, and provides an effective barrier to RFI problems. A series of useful options is available for these consoles including copy stands, relay and opto-isolated remote start interface, DA card, multiple mix-minus circuits, input expander card, and more.

Last, the RS Series comes with an excellent manual and a two-year warranty. The RS Series is available in six, 12, 18 and 24 channel versions. To find out more, call your Bradley representative today.



RS-6	60RS6	MFR LIST	\$4795.00
RS-12	60RS12	MFR LIST	\$6795.00
RS-18	60RS18	MFR LIST	\$9895.00
RS-24	60RS24	MFR LIST	\$12,995.00

Call Bradley for a current price quotation.

Yamaha MR Series Console

For recording, production, and light duty sound reinforcement, the economical MR series offers exceptional value. The MR consoles provide four subgroup mixing busses and a main stereo bus. Additional features on these models include a tape input RCA phono jack on each input channel, three-band EQ, and 48V phantom power. The three auxiliary sends can tap into the mic/line input, the tape return input, or both inputs for multitrack recording work. Metering is provided for all busses. RCA phono jack outputs parallel the balanced XLR outputs on all busses for compatibility with nearly any piece of gear.

MR842 8 inputs	60YAMR842	MFR LIST	\$1299.00
MR1242 12 inputs	60YAMR1242	MFR LIST	\$1599.00
MR1642 16 inputs	60YAMR1642	MFR LIST	\$1899.00



Call Bradley for a current price quotation.



Soundcraft Consoles

Delta DLX — We like this multipurpose, modular, compact mixing console. The DLX comes in eight, 16, 24, and 32 channel mainframes, as well as an eight-channel rackmount version; all have four busses.

Basic pricing provides a mixer loaded with DLX Mono Input modules and four Subgroup modules. Each Mono Input module has an input attenuator for mic and line, 48V phantom power, three-band EQ with sweepable high- and low-midrange, phase reversal switch, a high-pass filter, and six discrete aux sends. Talkback, 100mm faders, and 1kHz oscillator are standard on the Delta DLX.

The Subgroup module features two mono returns with two-band EQ and a bar graph meter. Extra input modules can be fitted in subgroup slots if those slots aren't required.

The optional Stereo Input module, for sources like CD players and cart machines, handles one stereo line input with six aux sends; the optional Dual Line Input module accepts two mono line-level sources and provides four aux. An active pan-pot design provides a range of stereo spread. Phase reverse and 100Hz high-pass filters are also provided.

Module prices are shown below; to configure your mixer differently, subtract the price of the DLX Mono Input module(s), then add the price of the optional module(s).

Ask about other available options including P&G faders, mic input transformers, RIAA preamp, output transformers, and floorstand.

Pre-loaded DLX Consoles:

DLX 8 channel console	60SFRW1381	\$4490.00
DLX 8 channel console, rack mountable	60SFRW1382	\$4490.00
DLX 16 channel console	60SFRW1383	\$6950.00
DLX 24 channel console	60SFRW1384	\$9450.00
DLX 32 channel console	60SFRW1385	\$11,950.00

DLX Modules:

Stereo Input	60SFRS4355	\$340.00
Dual Line Input	60SFRS1441	\$270.00
DLX Mono Input (normally provided)	60SFRS4354	\$240.00
Single Subgroup	60SFRS1443	\$185.00



LM-1 — Choose the LM-1 for high performance portable mixing in broadcast or location film work. The tiltable handle flips around to act as a tabletop support. The four-bus routing system allows various configurations, such as: four channel output; two separate stereo outputs; L/R plus foldback and effects send; or L/R plus mono and foldback. Switched mic/line gain control, 100mm faders, two aux sends, three-band EQ, and talkback are standard.

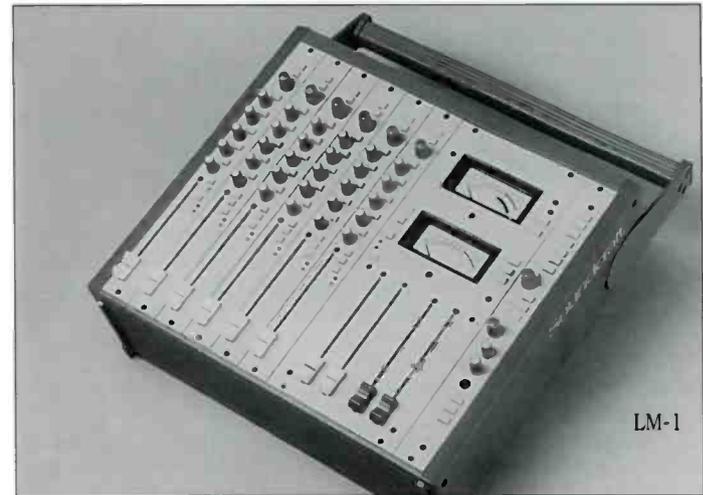
The LM-1 checks in with THD of 0.03% across the audio spectrum, with response of 20Hz-20kHz and noise below -80dBu. All inputs and outputs are on balanced XLR connectors.

The LM-1 will operate from a DC power input, internal rechargeable batteries, or the AC power supply. It is available in three frame sizes, listed below; a rack-mount kit is available for the eight-channel version.

LM-1 6 Channel	60SFRW5010P	\$5995.00
LM-1 8 Channel	60SFRW5011P	\$6995.00
LM-1 12 Channel	60SFRW5012P	\$8995.00



Delta DLX



LM-1

Spirit Folio — Look what this mixer does for the money. The Spirit Folio is a portable with phantom 48V power, two aux sends (one of which is selectable pre- or post-fader), and a convenient handle/desk support. Carry it like a briefcase. Features include 60mm linear faders, pre-fade listen, three-band EQ and high-pass filters on mono inputs, two-band EQ on stereo inputs, and inserts on main outputs. The XLR mic and 1/4" line connectors accept balanced and unbalanced sources. Mono channels include both mic and line connectors; stereo channels are switchable +4 or -10. Outputs are impedance balanced, on 1/4" connectors.

Great specs for a small board: 108dB dynamic range, 0.005% distortion, noise below -83dBu, and exceptional response. All models include standard L&R output faders. AC power supply is included.

Folio 10 channel (6 mono, 2 stereo)	60SFRW1450	\$495.00
Folio 12 channel (8 mono, 2 stereo)	60SFRW1454	\$625.00
Folio 12 channel (plus rackmount)	60SFRW1460	\$625.00

Soundcraft's Spirit line of mixers also includes a four-bus live mixing console, four- and eight-bus multitrack boards including one with fader automation, and a stereo input keyboard mixer. Call Bradley for more information on the fine line of Soundcraft products.

Call Bradley for a current price quotation.



Henry Engineering Fast Trac II



The folks at Henry must spend a lot of time thinking about ways to solve your studio headaches. This is a voice-over audio workstation, a small sophisticated console in a single rack space that can handle a range of special studio tasks. Use it to mix a voice input over any of six line inputs (including one with a front-panel connector for easily patching in your portable gear). Or do dubs: a unique machine control function will start both the source deck and the recorder at the appropriate times to assure consistent dubbing. Features include gain and balance control, processing loops, stereo/mono operation, and defeatable mic ducking. Uses "D" connectors, supplied.

Fast Trac II 60HEFT2 MFR LIST \$1595.00

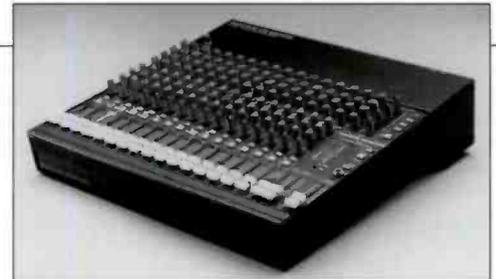
Call Bradley for a current price quotation.

Mackie Designs CR-1604 Mixer

This 16 input, stereo output mixer offers flexible installation choices and excellent audio performance. The unity gain design and center detent controls keep noise extremely low and headroom high. Channels 1 through 6 have XLR mic inputs with phantom power, and all channels have a three-band EQ and six aux sends. Other features include four stereo effects returns, stereo "in-place" solo system, precision sealed rotary pots, and an alternate stereo mix output. When rack mounting the CR-1604, the connector panel rotates to place connectors at the rear of the console and to save space. The connectors can also rotate to the top of the console for tabletop installation.

CR-1604 60MDCR1604 MFR LIST \$1099.00

Call Bradley for a current price quotation.



Accessory: Mic Input Expander

Adds mic input capabilities to all 16 inputs 60MDXLR10 MFR LIST \$199.00

Ramsa WR-133 Mixer

The attractive, functional briefcase styling of the WR-133 makes this mixer an excellent "road" unit; high quality audio makes it equally at home in the studio. This 8 x 2 mixer provides mic or line inputs on each channel, and has RIAA phono preamps to allow two turntables to be connected via inputs 1 through 4. Each input section features dual band shelving EQ, monitor and effects sends, pan pot, and peak LED. The output section has a mono out, master effects and monitor out controls, and stereo record outputs via XLR, 1/4" TRS, and RCA phono jacks.

Ramsa WR-133 60PAWR133 MFR LIST \$1470.00

Call Bradley for a current price quotation.



Accessory: Rack Mount Kit 60PAWRQ51 MFR LIST \$90.00

Audio Technica AT-MX341 SmartMixer



Need hands-off audio? Here's a programmable automatic mic mixer with four channels. The priority pre-select feature is ideal for moderator- or chairman-over-ride. It lets you set the mixer one of three ways: With all DIP switches down, the SmartMixer only allows the first voice to pass, overriding the other channels until the speaker is done. With one or more switches up, those voices can cut in at any time over the other channels. With all switches up, all mics are given equal priority.

Each channel has its own gain control. Switching is instant and silent. Phantom power is provided for condenser microphones, and a TTL output lets the mixer control speaker or tally light switching. Any number of mixers can be chained to accommodate large numbers of mics. Two SmartMixers mount side-by-side in a single rack space with an optional hardware kit. Connectors are XLR; inputs will accept up to -16 dBm.

AT-MX341 60ATMX341 MFR LIST \$799.00

AT8628 Double Rackmount Joining Plate 60AT8628 MFR LIST \$24.00

Call Bradley for a current price quotation.



Yamaha MCO4II Console

Yamaha offers an exciting series of live production mixing consoles. The MCO4II is great for both installed and portable live audio productions. Select from four models with 12, 16, 24, or 32 inputs.

The MCO4II consoles offer four primary mix groups plus stereo and four auxiliary send busses. The four-band equalizer section has variable frequency on both mid-bands and a switchable 80Hz high-pass filter. All channels include XLR and 1/4" TRS inputs as well as 48-volt phantom power. Channel insert points operate at 0dbm to facilitate gain matching with external processors. The two stereo auxiliary returns each use a pair of 1/4" TS jacks. A similarly featured pair of tape inputs using RCA jacks is included to accommodate inputs from a variety of playback sources.

Sound system designers and engineers will especially appreciate the addition of two mix matrices. Mix matrix allows the engineer to create a separate blend of the sub-groups and the stereo busses. Cue facilities, a talkback system, and control-room monitor outputs are provided. Eight VU meters (with LED peak indicators) are used to monitor groups, aux sends, stereo, cue, and matrix outputs.



12 Channel	60YAMC1204II	MFR LIST	\$3359.00
16 Channel	60YAMC1604II	MFR LIST	\$3899.00
24 Channel	60YAMC2404II	MFR LIST	\$4799.00
32 Channel	60YAMC3204II	MFR LIST	\$5999.00

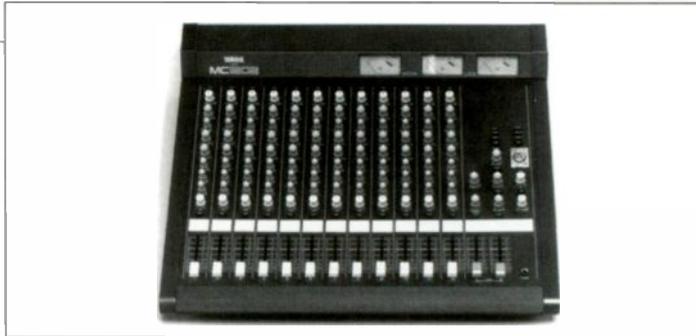
Call Bradley for a current price quotation.

Yamaha MC03 Series Mixers

The MC03 series mixing consoles deliver significantly improved performance while retaining the solid design and features of the popular MC02 series. A 24 channel model has been added to the product lineup, joining the 16, 12, and 8 channel versions.

New features include an L+R mix function, L+R cueing, on/off switches on all channels and busses, bus muting, and the ability to jumper channel inserts for pre- or post-EQ operation. Mechanical refinements have been made that enhance durability for hard remote use.

The bright, easy-to-read controls allow for quick set up and on-the-fly operation. Each channel provides an accurate fader, pre-fader cue switch, three-band EQ with sweepable mid-range, three auxiliary/effects sends, input gain controls, and phantom power. The electronically balanced mic/line inputs are available on both XLR and 1/4" TRS connectors. The stereo outputs are balanced, +4dBm, XLR. The master section controls the main stereo outputs, headphone monitor selection, the auxiliary/effects busses, the talkback functions, and switchable metering. Yamaha has put it all together in these slim, attractive, and rugged mixers, which are ideal for small studios, remote trucks, and PA systems.



MC803	8 inputs	60YAMC803	MFR LIST	\$1000.00
MC1203	12 inputs	60YAMC1203	MFR LIST	\$1300.00
MC1603	16 inputs	60YAMC1603	MFR LIST	\$1500.00
MC2403	24 inputs	60YAMC2403	MFR LIST	\$2100.00

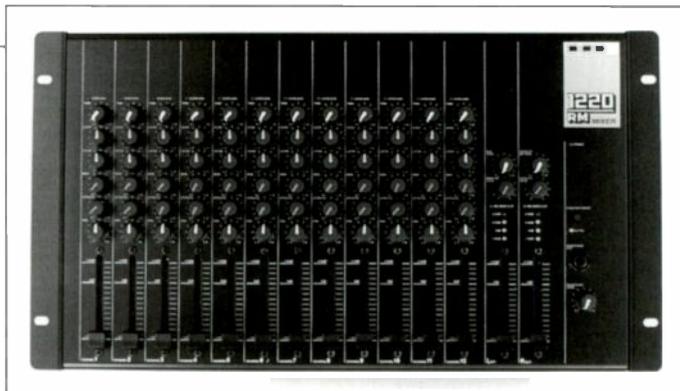
Call Bradley for a current price quotation.

DOD Mixers

The DOD 822 (eight channel) and 1222 (12 channel) stereo mixers set a new standard in compactness, while maintaining studio quality sound reproduction. Each channel has a 1/4" TS line input, two-band EQ, monitor send, effects send, pan, and LED overload and level indicators. All models have XLR mic inputs with phantom power. Bandwidth is 10Hz to 22kHz, +/-1dB; THD+Noise is less than 0.05%, 20Hz to 22kHz; and crosstalk is better than -65dB for adjacent channels and for left and right masters.

Tabletop models have connectors mounted on top of the chassis, while the rack mounted versions have the connectors mounted on the rear.

822XL	8 channel mic/line table top	60D0822XL	MFR LIST	\$429.95
822RM	8 channel mic/line rack mnt	60D0822RM	MFR LIST	\$429.95
1222XL	12 channel mic/line table top	60D01222XL	MFR LIST	\$699.95
1222RM	12 channel mic/line rack mnt	60D01222RM	MFR LIST	\$599.95



Call Bradley for a current price quotation.



Tascam MM-100 & MM-200 Mixers

Location mixes and production sub-mixes are two things that an engineer needs more today than ever before. Tascam rallies to the cause with a pair of rack mountable mixers that are inexpensive and GREAT! Both models feature eight stereo input channels with four effects sends. Each channel has linear faders and two-band EQ. To accommodate today's signal processors, both models have four stereo effects returns. There's a master output switch which shuts off the main output to allow private monitoring.

Additionally the MM-200 offers switchable stereo/mono effects sends for optimum placement of effects within the mix, balance/pan on the effects returns, BBE circuitry for enhanced high frequency definition, and a unique MIDI patching system which provides a choice of four MIDI inputs which can then be routed through any of eight MIDI thrus, eliminating the need for a separate MIDI patch bay.

MM-100	60TEMM100	<i>MFR LIST</i>	\$649.00
MM-200	60TEMM200	<i>MFR LIST</i>	\$849.00



Call Bradley for a current price quotation.

Tascam M-108 Four-Bus Mixer

The smallest of Tascam's four-bus recording mixers, the M-108 is an affordable addition to any small studio. The M-108 has 12 input channels (eight mono, two stereo), four output busses, and eight tape returns. It features high and low band EQ, two effects busses, and a selectable aux bus which can be used for either tape monitoring or as a pre-fader send. It is a natural for use with any stand-alone multitrack recorder of eight inputs or less.

M-108	60TEM108	<i>MFR LIST</i>	\$849.00
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Call Bradley for a current price quotation.



Ashly MM-508 Mixer

The MM-508 is a complete eight input, stereo output mixer in a three rack unit chassis. Each input has an XLR mic and 1/4" TRS line connections, input level trim with clipping indicator, three-band EQ with sweepable mid frequency, two auxiliary sends, and channel patching. The mixer also provides a stereo input on RCA jacks for a tape player or CD. Outputs include a stereo, +24dBm transformer balanced output on XLR connectors, a balanced stereo output on 1/4" TRS, an independent mono output, a headphone out with level control and front panel jack, and a tape output on RCA jacks. Gain of 84dB between the channel input and program sections ensures full output with low level or distant mics. The master section has pre-master sub in/out patches, two aux sends and returns, and LED metering. Phantom power is available for the mic inputs.

For remote vehicles, meeting rooms, and scores of other applications, the MM-508 offers low noise and distortion and rugged construction. Ashly's exclusive five year, worry-free warranty is your assurance of reliable performance.

MM-508	60ASMM508	<i>MFR LIST</i>	\$1199.00
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Also Available:

LM-308 - An eight channel line mixer with stereo, unbalanced, line level inputs and outputs. Inputs 1 and 2 may be switched to accept mic level. One rack unit high.

LM-308	60ASLM308	<i>MFR LIST</i>	\$399.00
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MM-106 - A six channel mic mixer, featuring 84dB of gain between the channel input and program sections to ensure full output with low level or distant mics.

MM-106	60ASMM106	<i>MFR LIST</i>	\$499.00
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Call Bradley for a current price quotation.

Need rack mounting hardware? See our Furnishings section.



ATI Nanoamp Mic/Line Mixer



Like all ATI products, the new Nanoamp utility amps are compact and convenient, featuring either XLR or 1/4" (TRS) connectors. First in the line is the MX100 three-input mic/line mixer and its companion XP100 four-input expander. The specs are solid: 0.1% distortion, ±0.25 dB response from 20Hz-20kHz, and plenty of mic gain. Features include independent level sets, master gain, adjustable headphone output, phantom mic power, balanced inputs, and metered output for balanced or unbalanced lines. Install in a rack with optional hardware, up to three across; various rack and desk mount kits are available.

An external AC/DC wall supply is ordered separately. To run several Nanoamp units, order one supply and one or more DC cables for loop-through power.

MX100-XLR Mic/Line Mixer (with XLR I/O)			
60AIMX100XLR	MFR LIST		\$325.00
MX100-TRS Mic/Line Mixer (with 1/4" TRS phone jack I/O)			
60AIMX100TRS	MFR LIST		\$325.00
WA100-1 AC/DC Wall Supply for above (required)			
60AIWA1001	MFR LIST		\$12.50



XP100-XLR Expander 60AIXP100XLR	MFR LIST	\$259.00
XP100-TRS Expander 60AIXP100TRS	MFR LIST	\$259.00
20602-1 DC Power Cable (for loop-through power)		
60AI20621	MFR LIST	\$3.50

Call or fax for rack/desk mount options and a current price quotation.

Furman MM Series Mixers

The MM Series Mixers are straightforward, one rack space devices designed to work in a broad range of applications. Both the MM-4ABP (mono output) and the MM-8ABP (stereo output) have four mono inputs. Both units feature balanced microphone (XLR) and unbalanced line (1/4" TS) inputs which can be used simultaneously on each channel, switchable 48V phantom power, an effects send which can be used for processing or as a separate mix bus, and a switchable bass roll-off filter. The MM-8ABP also has a pan control on each input. There are two Hi-Z auxiliary inputs and a headphone output with gain control. The mixers provide both balanced (XLR) and unbalanced (1/4" TS) outputs, which can be used simultaneously for distribution purposes.



MM-4ABP mono output	60FUMM4ABP	MFR LIST	\$415.00
MM-8ABP stereo output	60FUMM8ABP	MFR LIST	\$475.00

Call Bradley for a current price quotation.

Rane SM-26 Splitter Mixer

This Rane mixer is compact and versatile. It functions as a 6x2 mixer, a 2x6 splitter/DA, or a six-channel buffer amp. The unique circuit design allows various combinations of splits and mixes to be performed simultaneously, via 1/4" TRS balanced inputs and 1/4" TRS floating outputs. Shorting input jacks determine whether a given input is fed to an individual output or to the main stereo bus. All inputs route to individual mono outputs via front panel level controls, and can be panned to the stereo bus. There is almost no limit to the routing applications you can devise with this economical device.

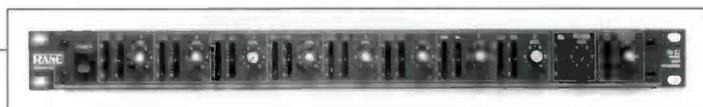


SM-26	60RNSM26	MFR LIST	\$379.00
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Call Bradley for a current price quotation.

Rane SM-82 Stereo Line Mixer

Rane has packed eight stereo (or 16 mono) inputs into the single rack unit SM-82. Each input channel has a rotary input level control, aux send slider, and balance slider. The aux return and master output sections each have both level and balance controls. Unbalanced 1/4" inputs accept levels from -10dBV to +26dBu. When a source is connected to the left channel and the right connector is unused, the signal is routed to both channels. Expansion jacks allow linking of two units.



SM-82	60RNSM82	MFR LIST	\$599.00
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Call Bradley for a current price quotation.



Ashly Graphic Equalizers



Ashly's graphic equalizers have set the standard by which all other designs are judged. They feature precision Wein-bridge filters for accurate response and low distortion. A constant "Q" design with low ripple ensures constant bandwidth regardless of fader position. At the detented "flat" setting, the filters actually go off circuit, which electronically bypasses unused filters. The stereo 15-band unit provides 15dB cut/boost and switchable 40Hz low cut filter. The 31-band models give you a selectable 15dB or 6dB range, a switchable and tunable low cut filter, and nine position LED level meters. Metal shaft faders with saddle knobs, peak LED meters, and balanced XLR and unbalanced 1/4" inputs and outputs round out additional features.

- GQX1502** stereo 15-band, 2 rack units
60ASGQX1502 MFR LIST \$499.00
- GQX3101** single channel 31-band, 2 rack units
60ASGQX3101 MFR LIST \$599.00
- GQX3102** stereo 31-band, 3 rack units
60ASGQX3102 MFR LIST \$999.00

Symetrix SX201 Parametric EQ



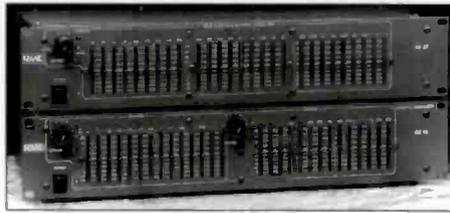
The SX201 is a high performance, studio quality parametric EQ/notch filter designed to handle both low level and line level inputs. Three parametric bands provide 30dB cut/15dB boost capability, and overlapping bands cover the entire audio range. Bandwidth is variable for each section from 0.05 to 3.3 octaves for notch filtering or tone shaping. Its balanced line input accepts -10dBV to +8dBm inputs, while its preamplified input accepts low level signals from synthesizers, guitars, or electronic drums. High headroom, active devices are used throughout the unit to deliver the best possible dynamic range. Separate balanced and unbalanced outputs are provided. The SX201 mounts in 1/2 rack width and is a single channel unit. Use two for stereo, or combine it with any other SX series unit for processing versatility.

- SX201** 60SYSX201 MFR LIST \$279.00

Accessory:

- Rack mount kit** for one or two SX series units.
60SYRM2 MFR LIST \$39.00

Rane GE27 & GE14 Graphic EQ's



With many equalizers, when you increase the cut or boost you decrease 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 1/3 octave and GE14 2/3 octave graphics eliminate these problems by providing constant bandwidth at all settings. 45mm sliders are accurately calibrated for 15dB cut/12dB boost, and Rane builds in subsonic and ultrasonic filters as well as complete RFI protection. Active balanced input; unbalanced, floating output.

- GE27** 1/3 Octave 60RNGE27 MFR LIST \$539.00
- GE14** 2/3 Octave 60RNGE14 MFR LIST \$569.00

Also available:

- GE30** 30-band, 1/3 octave graphic EQ is capable of acting in either 15dB cut/12dB boost or 20dB cut mode. 60mm sliders.
60RNGE30 MFR LIST \$749.00

Rane Micro-Graphic Equalizer



The filters in the Micro-Graphic series are constant Q with grounded center-detent controls. They provide true 1/3 octave filter bandwidth regardless of boost/cut level. These compact equalizers offer more features and quality than their size might lead you to believe. The 30-band ME30 and dual 15-band ME15 are one rack unit high and have a range switch providing a choice of 6dB or 12dB cut/boost.

The ME60 is dual 30-band EQ with 12dB cut/boost in a two rack unit high chassis. It features adjustable low and high frequency cut-off filters, overall level controls, passive bypass switches, and XLR, 1/4" TRS, and RCA jack inputs and outputs. Frequency response and noise specifications are excellent, and the ME60 outperforms similar models that cost more. Micro size, micro price, macro performance.

- ME30** mono 30-band
60RNME30 MFR LIST \$389.00
- ME15** stereo 15-band
60RNME15 MFR LIST \$399.00
- ME60** stereo 30-band
60RNME60 MFR LIST \$669.00

DOD Graphic Equalizers



DOD's popular line of graphic equalizers is ruggedly built with simplicity in mind. They provide high quality 12dB cut/boost filters, gain control, a low cut filter, and headroom metering. All are two rack spaces high with both balanced XLR and balanced/unbalanced TRS 1/4" jacks for inputs and outputs. If your budget is tight and standards high, a DOD graphic EQ is the right tool for the job.

- R830II** stereo 15-band 2/3 octave
60DOR830C MFR LIST \$269.95
- R831III** mono 31-band 1/3 octave
60DOR831C MFR LIST \$269.95
- R231II** stereo 31-band 1/3 octave
60DOR231C MFR LIST \$449.95

Yamaha Q2031A Graphic EQ



The Q2031A is a sophisticated stereo 1/3 octave graphic equalizer. In only two rack spaces, Yamaha puts 31 filters on two channels, each of which also has a sweepable 12dB per octave high pass filter, a 6dB or 12dB cut/boost range switch, a filter bypass, a peak indicator, and channel gain control. Inputs and outputs are both balanced (XLR) and unbalanced (1/4" TS), and the Q2031A operates from -20dBV to +4dBm. Sockets for output transformers are included on the rear panel.

- Q2031A** 60YAQ2031 MFR LIST \$729.00

Let Bradley's low prices and great service be your great equalizer.



**Symetrix SX208
Stereo Compressor/Limiter**



The SX208 is a stereo dynamic range controller offering studio sonic performance and ease of operation. By eliminating redundant controls, the SX208 is a step ahead in usability and reliability. Attack and release times are program controlled. The front panel includes an input gain trim with LED input level indicator, a compression ratio control adjustable from 1:1 to 20:1, a fast/slow response time switch, an output gain control, and an LED gain reduction meter. The SX208 is built around a high performance VCA, enabling a dynamic range in excess of 110dB with typical distortion of less than 0.03%. Inputs and outputs are electronically balanced on 1/4" TRS jacks.

SX208 60SYSX208 MFR LIST \$299.00

Accessory:

Rack mount kit for one or two SX series units.
60SYRM2 MFR LIST \$39.00

Call Bradley for a current price quotation.

Symetrix 425 Compressor/Limiter



The Symetrix 425 is a smart combination of three important processing functions in one package: limiting, downward expansion, and compression. This gives you great flexibility. Use the expander to get rid of background noise, tape hiss, or hum. Apply any degree of compression without worrying about pumping and breathing. Use the limiter to control peaks and to eliminate the risk of digital distortion when recording to DAT or other digital recording devices. Use all three functions to keep satellite feeds and phone lines clean.

Standard features include stereo or two-channel operation, individual LED meters for outputs and each processing function, sidechain I/O, threshold controls for all three functions, and release controls for expander and compressor. Balanced XLR and unbalanced 1/4" line level connections are provided.

425 60SY425 MFR LIST \$579.00

Call Bradley for a current price quotation.

Ashly CL52E Comp/Limiter



Ashly's compressor/limiters offer complete dynamic range control. They provide a variety of high quality features such as trigger circuit patch, variable threshold, variable ratio from 2:1 to infinity:1, variable attack and release, and LED's to indicate up to 20dB of gain reduction.

The CL52E provides two channels of clean, accurate gain reduction in one compact package. This unit can be used as either two independent peak limiter/compressors, or may be strapped for stereo tracking. Precise and independent adjustments make the CL52E ideal for such diverse applications as loudspeaker protection, broadcast limiting or compression, recording, tape to disc transfer, special effects, and more. The CL50E, a single channel version, is also available. Both units rack mount in a single space.

CL52E Dual channel
60ASCL52 MFR LIST \$399.00

CL50E Single channel
60ASCL50 MFR LIST \$259.00

Call Bradley for a current price quotation.

Rane DC24 Dynamic Controller



The DC24 dynamic controller is a two channel compressor, limiter, expander/gate system. Separate controls for each of the three sections provide wide range, free from control interaction. An internal crossover allows a single audio channel to be divided into two bands, processed separately, and recombined into one channel. This crossover may also serve as a dividing network allowing all processing functions for each band. Inputs and outputs are XLR, active balanced, with RFI filtering provided. Individual channel hard wire bypass switches are also provided.

DC24 60RNDC24 MFR LIST \$599.00

Call Bradley for a current price quotation.

UREI LA Series Limiters



With the same ear towards smooth, musical operation that made the earlier UREI limiters so popular, but benefitting from the latest in quick, quiet VCAs and detection circuitry, these units will delight engineers in music and voice studios alike.

The mono LA-10 and dual channel LA-12 both use "Smart Slope" soft knee compression while in either peak or average (or both) gain reduction. Limiting threshold, attack time, release time, and output gain are all individually adjustable. For those emergencies that don't give you time to tweak, the unit can operate in an automatic mode that makes the best of the situation with program-dependent attack and release times and limiting levels that will always give you usable audio.

The dual channel LA-22 shares the same features, but can be adjusted much like a parametric EQ to operate in a given, even very narrow, band. The LA-22 is ideal for de-essing, de-popping, and other voice gain reduction jobs. This unit may also be switched into Expander Mode, with the same control over levels, ratios, time constants, and thresholds.

LA-10 Mono Compressor/Limiter
60URLA10 MFR LIST \$550.00

LA-12 Dual Compressor/Limiter
60URLA12 MFR LIST \$850.00

LA-22 Dual Compressor/Limiter/Expander
60URLA22 MFR LIST \$1,155.00

Call Bradley for a current price quotation.

dbx 166 Gated Compressor/Limiter



Capable of stereo coupled or dual mono operation, the 166 uses dbx's OverEasy 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, rack mount, hard wire bypass, differential input, and unbalanced high impedance output.

166 60DB166 MFR LIST \$629.00

Call Bradley for a current price quotation.

dbx 160XT Compressor/Limiter



The Model 160XT provides the studio operator, broadcaster, or sound reinforcement specialist with performance and flexibility in a single space rack mount package. The 160XT is the only compressor/limiter that offers you the choice of OverEasy or hard-knee operation, regardless of compression ratio selected. It includes a precision dual display system with an expanded range for continuously monitoring gain reduction as well as input or output levels. Balanced inputs and outputs are on 1/4" TRS and XLR connectors.

160XT 60DB160X MFR LIST \$459.00

Call Bradley for a current price quotation.

Orban 275A Automatic Stereo Synthesizer



Here's the 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 or single channel 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 ensure full compatibility with mono receivers, the sum of the synthesized outputs is identical to the mono input. Front panel functions are duplicated on an optional remote panel.

275A 60OB275A MFR LIST \$2400.00

Accessory:

Remote control 60OB275ARC MFR LIST \$275.00

Call Bradley for a current price quotation.

Orban 464A Co-operator



The Orban Co-operator provides transparent level control, compression, and high frequency limiting in a powerful, compact, and economical package. The Co-operator achieves transparent audio performance through the use of finely tuned control loops to eliminate dynamic distortions and a clean, Class A VCA to ensure negligible static distortion and noise. A defeatable silence gate effectively inhibits undesirable sudden gain increases. The high frequency limiter has six selectable curves (25 to 150µs) 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 bar graphs for both gain reduction and peak output level for each channel, balanced and floating inputs and outputs, and hard wire bypass. The Co-operator is ideal protection for broadcast, teleproduction, and recording studio operations.

464A 60OB464A MFR LIST \$1200.00

Call Bradley for a current price quotation.

ART MDC 2001 Dynamics Processor



The MDC 2001 multi-dynamics processor takes on many tasks that would require a small fortune to accomplish with separate units. A stereo compressor, limiter, de-esser, exciter, expander, and gate are rolled into this exciting, cost effective box. Using a wide dynamic range, low distortion VCA, the processor works without "pumping," "breathing," or signal coloration. The MDC 2001 features individual isolated processing circuits, switchable input/output metering, balanced XLR and 1/4" TRS inputs/outputs, a switchable detector loop, and threshold activation LED's. This unit will be a welcome addition to your processing arsenal.

MDC 2001 60MX520 MFR LIST \$499.00

Call Bradley for a current price quotation.

Eventide Ultra-Harmonizers



Eventide Ultra-Harmonizer® Effects Processors are potent studio tools with a wealth of reverb, effects, and pitch-related programs. Use the pre-sets or store your own creations. Create custom chords based on a one-note input; correct an off-pitch note. MIDI control is provided. Models include:

The H3000-S, the basic Ultra-Harmonizer with over 100 presets including 48 Steve Vai rock settings.

The H3000-B, a broadcast morning show or production department in a box. Create a windstorm, helicopter, or locker room. This model includes 80 preset effects and funny voices, plus TimeSqueeze® to shorten or expand a spot by controlling your source machine automatically.

The H3000-SE adds a vocoder, phase shifter, reverbs, filters, and special effects. Unique SE algorithms are multi-band delays, an Instant Phaser, and the String Modeler which adds subtle harmonic and a six-voice polyphonic synth.

The H3000-B/SE is identical to the "B" unit, with software built-in to provide the extra functions of the "SE".

The H3500-B is powerful, combining the broadcast presets and TimeSqueeze of "B" with the programs of the "SE" series, and adding even more presets plus a built-in sampler (either 22 or 95 seconds). Dynamics, gating, ducking, and compression.

- H3000-B 60EVH3000B MFR LIST \$2995.00**
- H3000-SE 60EVH3000SE MFR LIST \$2995.00**
- H3000-S 60EVH3000 MFR LIST \$2495.00**
- H3000-B/SE 60EVH3000BSE MFR LIST \$3595.00**
- H3500-B dfx (with 22 sec sampling) 60EVH3500BDFX MFR LIST \$3995.00**
- H3500-B dfx/e (with 95 sec sampling) 60EVH3500BDFE MFR LIST \$4995.00**

Also available:

HS322 Sampler Board installs in any H3000 to provide 11 seconds stereo or 22 seconds mono sampling. HS395 Sampler Board provides sampling time of 47 seconds in stereo, 95 seconds mono. Both are 16 bit, 44.1kHz samplers. Includes on-the-fly time compression/expansion.

- HS322 60EVHS322 MFR LIST \$995.00**
- HS395 60EVH5395 MFR LIST \$1995.00**

BCONKIT adds H3000-B features to your H3000-SE or S;

SECONKIT adds H3000-SE features to your B or S.

- BCONKIT 60EVBCON MFR LIST \$600.00**
- SECONKIT 60EVSECON MFR LIST \$600.00**

Call Bradley for a current price quotation.

**The process is simple... you pick up the phone and dial 1-800-732-7665.
A Bradley professional is on the line within moments, ready
to assist you with whatever you need.**



Aphex 320 Compellor



The Compellor is one of the most effective gain riding devices available. Its name describes the three functions it performs: compression, leveling, and peak limiting. These three functions operate harmoniously; 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.

The user simply decides how much the lowest level signal will be brought up and the proportion of leveling to compression, and trims the output for unity gain. The transparent audio path is comprised of servo-balanced (XLR) inputs and outputs and the Aphex VCA 1001. The unit operates in dual mono or one of two stereo link modes.

320 Compellor 60APCMP MFR LIST \$1350.00

Call Bradley for a current price quotation.

Aphex Type C² Aural Exciter



Aural Excitement is a process which restores audio intelligibility and clarity which are lost through repeated recording and dubbing. The Type C² 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. At this low price, Aural Excitement fits into any budget. The C² adds processing to both ends of the audio spectrum. The "Big Bottom" feature permits increased bass sustain, density, and loudness without increasing peak output or generating subharmonics. This stereo unit has unbalanced 1/4" connectors and comes with rack mount.

Type C² 60APTC MFR LIST \$349.00

Call Bradley for a current price quotation.

Aphex 323 Compellor/Aural Exciter 



One unit now combines the control over program dynamics found in the Compellor process with the enhancement and restoration features of the Aural Exciter. The Aphex Model 323 is a single-channel, mono audio processor that compresses, limits, and levels while also increasing presence and intelligibility. It can be wired for stereo with the addition of another 323 and a simple Interconnect cable.

The wide dynamic range of the Model 323 suits it for digital and analog recording, in fixed or mobile applications. The latest Compellor Improvements are here: front panel peak limiter defeat, switchable leveling speed, and a rear-panel control that allows you to set the reference level at +4, +8, or -10. The 323 connects to all balanced and unbalanced systems thanks to better transformerless servo-balanced I/O's on XLR connectors. One button on the front panel sets the two-color LED's for input, output, or gain reduction. This is an easy unit to install and operate. Excellent RF protection is provided, and the unit carries a five-year limited warranty. The 323 replaces Aphex's earlier Models 301 and 303.

323 Compellor/Aural Exciter
60AP323 MFR LIST \$949.00

Call Bradley for a current price quotation.

Aphex Type III Aural Exciter



To add sparkle, clarity, intelligibility, openness, and that extra "edge" to recorded or broadcast material, there is no excitement like the kind you'll get from an Aphex Aural Exciter. The Type III is a professional, dual-channel Aural Exciter loaded with powerful processing features and improved circuitry. Noise and distortion are virtually eliminated in the Type III circuitry, while special features now make enhancement possible while reducing source noise.

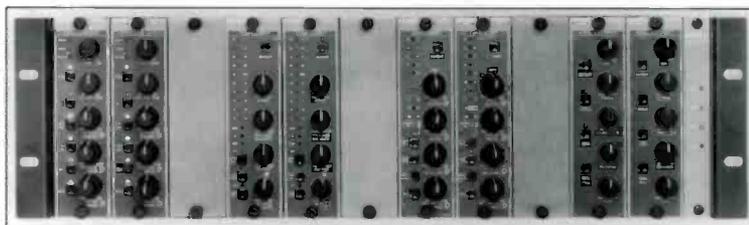
Features new to the Type III include adjustable harmonics mixing, two modes of noise reduction, a Spectral Phase Refractor to compensate for phase smearing caused by the recording process, servo balanced input/output on XLR connectors, the VCA 1001 chip, and a Null Fill control to let the user set the amount of de-emphasis that surrounds the excited band of frequencies for added presence.

Like its predecessors, the Type III still allows front panel or remote control of a relay hardware bypass, automatic balanced or unbalanced operation, stable and repeatable settings, and LED's indicating all switchable functions.

Type III 60APIII MFR LIST \$995.00

Call Bradley for a current price quotation.

Aphex 9000 Series Modular Processing System



This system was designed to provide the processing power of the various Aphex processors in a space saving configuration. All modules have servo-balanced inputs and outputs and are for a single channel.

9000R rack mainframe is the basic building block of the Aphex Modular Rack System. Holds up to 11 Aphex or dbx modules.
60AP9000R MFR LIST \$379.00

9000PS power supply for 9000R rack.
60AP9000PS MFR LIST \$499.00

Call Bradley for a current price quotation.

Modules:

Aural Exciter signal enhancer designed to increase intelligibility, presence, clarity, and detail.
60AP9251 MFR LIST \$449.00

Compellor "intelligent" compressor/leveler provides automatic and seamless level correction.
60AP9301 MFR LIST \$549.00

Expander/gate uses downward expansion with variable ratio for a variety of dynamics control options not possible with ordinary gates.
60AP9611 MFR LIST \$449.00

Parametric EQ has three overlapping bands with 15dB boost or cut. Peak or shelf filter shapes are available on each band.
60AP9901 MFR LIST \$449.00



dbx 266 Compressor/Gate



The folks at dbx have a new line of processors called Project 1, aimed at taking advantage of advances in technology to offer dbx performance at the lowest possible cost. The 266 is a perfect example: two channels of compression, program-adaptive expander/gates, new AutoDynamic attack and release controls, and attractive LED metering. Balanced inputs and unbalanced outputs are on 1/4" TRS connectors. Side chain insert is standard on this rack-mountable unit. Front panel controls let you set the 266 for stereo or dual mono operation. A solid value.



266 60DB266 MFR LIST \$299.00

Call Bradley for a current price quotation.

dbx 296 Spectral Enhancer



Do your vocal audio tracks sparkle? Does the synthesizer sound sizzle? If not, take a look at the dbx 296 Spectral Enhancer, a dual channel processor excellent for detailing and cleaning up mixes or individual vocals or instruments. Separate controls let you set the amount of high frequency and low frequency enhancement you want. Special Hiss Reduction circuitry removes hiss instead of adding it, a common problem in HF equalization. A new LF Detail circuit adds mass to the bottom end and reduces muddiness.

The 296 is a member of the new dbx Project 1 Series of processors. LED metering of filter activity, clip indicators, and rack mounting are standard. The 296 uses 1/4" TRS connectors, balanced in, unbalanced out (balanced output in bypass mode).



296 60DB296 MFR LIST \$349.00

Call Bradley for a current price quotation.

Valley Audio Model 730 Dynamics Processor



Up from the Valley comes the Model 730, an innovative way to control your audio dynamics. This stereo or two-channel digital processor includes the following important functions: compression, expansion/gating, high frequency compression/limiting, digital level control, and peak limiting. In addition to the usual threshold, attack, release, ratio, and gain controls, the Model 730 also provides setpoint, slope, range, pre-delay, delay hold, and more. Design your own custom multi-threshold, multi-ratio dynamics functions; the Model 730 has a 99-setting memory. Use it for controlling vocal sibilance or transmitter overmodulation; perform final limiting during tape duplication.

Balanced XLR analog inputs and outputs allow matching trim (+4 to -10); digital interfaces accept AES/EBU and S/PDIF formats, with a sampling range of 30 to 50 kHz and the ability to switch SCMS status, helpful in mastering and transfer work. MIDI, TOS-LINK optical, and RS232/242 connections are provided.



730 60VP730AD MFR LIST \$2749.00

Call Bradley for a current price quotation.

Aphex Dominator II

The Model 720 Dominator II is a stereo, three-band peak limiter designed to fit a wide range of audio applications. This version boasts a 104dB dynamic range, making it the ideal limiter for use with your digital sources and recorders. Through the use of multiband techniques and exclusive circuit designs, the audible side effects of the limiting action have been greatly reduced. This means that greater limiting depth is possible, resulting in higher loudness with maintained audio quality. The Dominator is free of hole punching, dullness, and most other sound deterioration normally associated with limiters. As a peak overshoot protection limiter, the Dominator is undetectable while it absolutely prevents peak levels from exceeding a user set output level. Greater audio density, increased "punch," and other effects can be achieved.



Also available:

Model 723 Dominator II has pre-emphasis (either 50 or 75 usec) added before the limiters. A switchable de-emphasis circuit appears after the final limiter. The 723 is designed for use in broadcast, satellite, and transmission links.

720 Dominator II 60APDOM MFR LIST \$1350.00

723 Dominator II 60AP723 MFR LIST \$1495.00

Call Bradley for a current price quotation.



ART FXR Signal Processors



Applied Research & Technology (ART) offers two new, fully discrete two-channel stereo digital signal processors, and Bradley's got 'em. Get studio-grade multi-effects for a very low cost per channel.

Both units offer reverb, gated reverb, panning, chorusing, flanging, multiple types of delay, and other effects. Both use ART's powerful VLSI microchip. Inputs and outputs are on unbalanced 1/4" connectors.

The FXR processor provides 250 preset combinations, up to four effects at once, and the power of on-board random access memory, giving you complex reverbs. This single rack unit device can be used mono in/out, stereo in/out, or as two independent processors in one chassis. Run vocals through one channel, guitar or drums through the other.

The FXR Elite is a programmable version of the FXR, allowing the user to vary parameters and store the changes. The front panel has an LED display telling the user which parameter is being controlled, and an auto store button for saving the setting. This unit is responsive to MIDI patch change protocol, and offers footswitching through the MIDI program table.



FXR 423	60MX423	MFR LIST	\$219.00
FXR Elite 424	60MX424	MFR LIST	\$329.00

Call Bradley for a current price quotation.

ART Multiverb Alpha SE

ART's Multiverb Alpha Studio Edition is a more potent version of a proven winner. The Alpha SE incorporates ART's VLSI microchip to pack more than 400 preset effects into one box, including reverbs, chorusing, and flanging. Mix up to seven effects simultaneously. Thanks to 24 bit processing, the Alpha SE achieves remarkable specs for all effects (over 50 effects at 20kHz). This unit has a seven-band programmable EQ, pitch transposer (over 2½ octaves), room, hall, gated, chamber and plate reverbs, 21 different delays, stereo panner, and sampler. A digital instrument tuner and pitch generator helps you tune guitars and test PA systems. The Multiverb Alpha controls up to eight parameters on each patch via MIDI, with changes made in real time. Inputs & outputs are 1/4" TS, unbalanced.



Multiverb Alpha SE	60MX472	MFR LIST	\$549.00
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Call Bradley for a current price quotation.

ART DRX-2100 SE

Offering all the effects and the same 24-bit VLSI engine of the Alpha SE (above), the DRX-2100 Studio Edition also provides a programmable dynamics processor. It features compressor, limiter, exciter, expander, noise gate, and digital frequency routing; it will perform 12 audio functions simultaneously with 20kHz bandwidth.



DRX-2100 SE	60MX432	MFR LIST	\$639.00
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Call Bradley for a current price quotation.

Sabine Feedback Exterminator



The FBX-900 is a digital signal processor that automatically finds and eliminates feedback in sound systems. It deserves a home with road musicians, conference rooms, auditoriums, churches, and any professional who would like to control feedback automatically.

The FBX-900 has a distinct advantage over graphic equalizers: it's fast, it's automatic, and it controls feedback without degrading your sound. That's because the independent FBX filters are only 1/10 octave wide, and these digital filters only notch at a depth necessary to control feedback. The bottom line: you get more gain before feedback.

This single rack space unit works best when it's installed between the output of a mixer and the input of a power amp, where it can control feedback throughout the entire mix.



FBX-900	60SBFBX900	MFR LIST	\$599.00
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Call Bradley for a current price quotation.

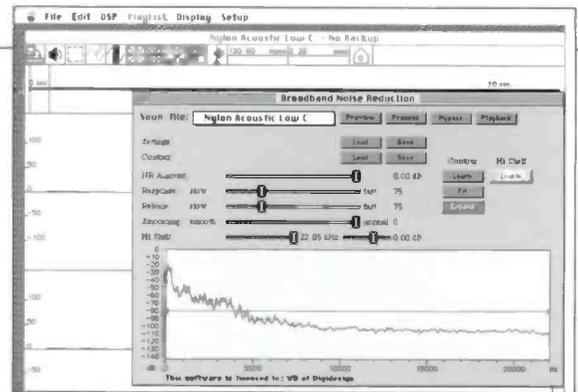


Digidesign Intelligent Noise Reduction (DINR)

DINR is a software-based "plug-in" digital signal processing module that provides broadband noise reduction. Remove hum, tape hiss, and other background noise from your recordings. It's designed to work with Sound Tools II, ProMaster 20, and Pro Tools systems. DINR is well-suited for mastering, archiving work, and audio restoration, as well as general mixing work.

Use it to eliminate guitar hum, wipe out background air conditioner noise, and remove tape hiss. Because DINR works in the digital realm, you avoid the pumping, high-frequency loss, and other side effects of single-ended analog processing. On-screen controls are easy to learn, and a bypass feature lets you compare "before" and "after" audio. Install DINR with a few mouse clicks and you're on your way.

DINR 60DDMS091 MFR LIST \$995.00



Call Bradley for a current price quotation.

Yamaha SPX-1000 & SPX-990 Effects Processors

The SPX-1000 is a potent processing "Swiss Army Knife" with great effects programs and professional specifications. It provides 40 preset programs including natural reverberation and early reflections, delay and echo, pitch change, and more. The preset programs can be edited, retitled, and stored in multiple user-defined memories; each program has a range of parameters and EQ to tailor the effect to any application.

Multiple effects programs allow the SPX-1000 to provide up to five effects at the same time. Other features include MIDI implementation, 1/4" unbalanced analog I/O connectors, and Yamaha-format digital inputs and outputs. This unit is among our best sellers because of its exceptional value.

The new SPX-990 has 80 stunning preset effects and 100 writable memory locations into which you can store edited versions of the presets, customized to your taste. Optional plug-in memory cards hold another 100 effects programs each. The unit has a two-in/two-out configuration that allows stereo sources to be processed without disrupting the original stereo image. Inputs and outputs are electronically balanced, with XLR and TRS 1/4" connectors. New effects include totally natural reverb, tempo-based delays, and various pitch change effects.

Both models provide switchable stereo -20dBm and +4dBm inputs and outputs. The sampling frequency of 44.1kHz and full frequency response from 20Hz to 20kHz result in exceptionally clean, transparent sound.



SPX-1000 60YASPX1000 MFR LIST \$1799.00
 SPX-990  60YASPX990 MFR LIST \$1149.00

Call Bradley for a current price quotation.

Yamaha REV-5 Reverb/Effects Processor

The REV-5 offers rich natural stereo reverb that simulates the acoustic properties of virtually any environment. Improved circuitry provides full bandwidth in the effects channels for transparent sound and broader control range. Each effects program provides a three-band digital EQ in addition to the front panel EQ. Thirty presets are incorporated in the REV-5, covering a wide variety of plate, spring, hall, and echo programs, as well as delay, ambience, stereo phasing, flanging, chorus, and tremolo effects. An additional 60 programs may be created by the user, stored in memory, and recalled at the touch of a button. The REV-5 also contains nine programs which contain a series of effects, effectively functioning as several REV-5 units in one.

Inputs and outputs are on both balanced TRS and XLR connectors. The REV-5 occupies two rack spaces.

REV-5 60YAREV5 MFR LIST \$2099.00



Call Bradley for a current price quotation.



dbx 900 Series Modular Processors

When multiple channels of processing are required, the dbx 900 series offers quality, versatility, and value. Two powered frame sizes are available.

Frames:

F-900A three rack unit frame with nine active slots. Holds modules vertically. Audio connections are made by barrier strip terminals.

F-900A 60DB900 *MFR LIST* \$595.00

FS-900 single rack unit frame with two active slots. Holds modules horizontally. Audio connections are made with XLR connectors.

FS-900 60DBFS900 *MFR LIST* \$399.00

Modules:

902 De-esser operates independently of input level so there is no threshold to set. Controls govern the amount of gain reduction as well as the frequency above which excessive high frequency energy activates the circuit.

902 60DB902 *MFR LIST* \$295.00

903 Compressor/Limiter with legendary dbx OverEasy compression yields a gradual transition into compression ratios up to infinity:1 (beyond which there are negative ratios available for unusual dynamic reversal effects). The unit is stereo strappable and includes threshold, ratio, and output controls as well as 10 segment LED gain reduction displays.

903 60DB903 *MFR LIST* \$295.00

904 Noise Gate provides smooth downward expansion (gating). Threshold and ratio controls, along with adjustable attack and release rates, permit a high degree of flexibility. The key mode allows gating of one audio source by another.

904 60DB904 *MFR LIST* \$295.00

905 Parametric Equalizer with three bands that are adjustable for up to 15dB boost or cut, Q (width), and center frequency. Each band also has a notch cut with an extremely narrow Q and suppression of greater than 50dB. High and low bands also have selectable shelving.

905 60DB905 *MFR LIST* \$499.00

911 Type-I has a single channel of simultaneous encode/decode noise reduction. Provides greater than

40dB of noise reduction when used with wide bandwidth media such as analog tape recorders operating at 15 ips.

911 60DB911 *MFR LIST* \$239.00

929 Single Ended Noise Reduction contains two channels to process sources that have a continuous, steady-state hiss floor beneath the desired audio. Each channel is controlled by a single quieting knob and can be stereo coupled. No encoding is required, and the 929 offers balanced inputs and outputs.

929 60DB929 *MFR LIST* \$399.00

933 Amplifier/Mixer can serve as either a one to three distribution amplifier or a three to one mixer. Each channel has a gain control with a range of -40dB to +20dB, and internal jumpers select balanced or unbalanced inputs and outputs.

933 60DB933 *MFR LIST* \$349.00

941A and 942A Type-II noise reduction modules provide more than 40dB of noise reduction for limited bandwidth media such as cart machines, telco lines, and videotape audio tracks. The 941A incorporates two channels of encoding and the 942A has two channels of decoding.

941A Encoder 60DB941 *MFR LIST* \$259.00

942A Decoder 60DB942 *MFR LIST* \$269.00

Blank panel covers one slot.

60DBBP *MFR LIST* \$12.00

Call Bradley for a current price quotation.



dbx Performer and Production Series

These intelligent signal processors make clean, dynamic audio easier than ever. Each unit is one-half rack width and comes complete with hardware for mounting one or two units in a single rack space. The 140X and 150X have electronically balanced inputs and outputs on 1/4" TRS jacks, and are designed to operate at +4dBu. All other models have unbalanced 1/4" TS inputs and outputs on their rear panels.

Call Bradley for a current price quotation.

140X and 150X Noise Reduction

Each of these half rack units provides two channels of encoding and two of decoding. The 140X uses dbx standard Type-II noise reduction. It is recommended for cart machines, VTR's, microwave links, land lines, and other media with limited high and low-end frequency response. The 150X, with Type-I noise reduction, is recommended for tape machines of flat response running at 15 ips or greater and other wide bandwidth media. Both units achieve 40dB or more of noise reduction.

140X 60DB140X *MFR LIST* \$319.00

150X 60DB150X *MFR LIST* \$319.00

163X Compressor/Limiter

Famous dbx OverEasy compression is controlled by a single slide control. An LED display indicates the amount of compression and two units may be strapped for stereo. The 163X can be strapped to a 463X noise gate to provide switch selectable stereo compression or stereo gating. Front panel 1/4" instrument input.

163X 60DB163X *MFR LIST* \$169.00

263X De-esser

A simple to use de-esser, the 263X features a single slider for adjusting sibilance reduction, plus a knob for sensitivity to specific sibilance frequencies and a push button for selecting bandwidth. Even if the input levels vary as much as 45dB, patented circuitry delivers the exact de-essing required. Front panel 1/4" mic input.

263X

60DB263X *MFR LIST* \$169.00

363X Dual Channel Noise Gate

The 363X offers professional flexibility in creating a customized sound. Designed for stereo or dual channel operation, the 363X has separate controls for threshold, hold time, and release time. Attack time is less than 100µs. Use the 363X to remove unwanted background noise or to create striking instrument effects.

363X 60DB363X *MFR LIST* \$269.00

563X Silencer

Employing dbx's single ended noise reduction technology, the 563X features single slider action for de-hissing. It is most effective on sources with a continuous, unchanging hiss floor. Stereo strappable. Front panel 1/4" instrument input.

563X 60DB563X *MFR LIST* \$229.00



Lexicon LXP Effects Processors

LXP-1

The LXP-1 has 16 different reverb and delay oriented programs, with continuous control over pre-delay and decay on reverbs, and recirculation and delay time on delays. Those same parameters can all be addressed through MIDI System Exclusive messages with a controller like the Lexicon MRC-1. Many of the LXP-1's parameters can be manipulated in real time through MIDI to create expressive and dramatic effects. Signal inputs and outputs are stereo on 1/4" TS jacks. It may only be half a rack space wide, but it's 100% Lexicon.

LXP-5

The LXP-5's palette of effects includes a wide variety of echoes, choruses, flangers, and three octave pitch shifters. These have the typically lush and detailed sound characteristic of Lexicon devices, and can be stacked up to five at a time. All effects parameters may be edited and stored from the front panel or manipulated via MIDI System Exclusive messages. Real time MIDI control over parameter values lets the LXP-5 perform many of the dynamic effects seen only in units costing several times as much. MIDI clock signals can be used to tie delay times in with tempo and timing of synchronized material. When used with the Lexicon MRC-1 MIDI controller, the LXP-5 is easily and quickly maneuvered through its many modes of parameter editing. Signal inputs and outputs are stereo on 1/4" TS jacks. This great little processor will quickly become one of your favorites.

LXP-15

Lexicon designed the LXP-15 multi-effects processor to be easy to operate, but they didn't sacrifice performance or breadth of effects to do it. Every major function is accessed by a rotary selector switch, a soft adjustment knob, and a soft-

key controlled LCD display. It's the type of straightforward approach that lets you put the unit to work within minutes of taking it out of the box. Lexicon's Dynamic MIDI provides the ultimate in remote control, and five inputs are provided for external switches to change parameters without MIDI.

The LXP-15 sounds as good as it feels. The 128 preset effects include pitch shift, stereo delay, gate, plate, Lexicon's renowned reverb, and many more. Up to 128 user presets may be stored. Connectors are 1/4" TS.



LXP-1	60LELXP1	MFR LIST	\$549.00
LXP-5	60LELXP5	MFR LIST	\$549.00

Accessory:

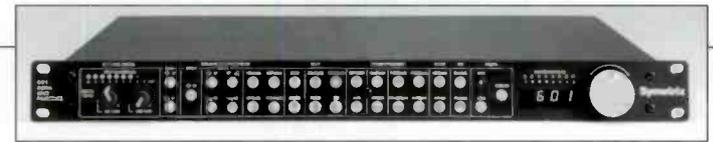
Rack shelf for up to two units.

	60LEALXPR	MFR LIST	\$30.00
LXP-15	60LELXP15	MFR LIST	\$1049.00

Call Bradley for a current price quotation.

Symetrix 601 Digital Voice Processor

The 601 Digital Voice Processor is designed for a variety of recording, broadcast, live sound, and post-production applications. Acting as a bridge from the analog to the digital domain, the 601 accepts mic or line level analog signals, converts to digital, and performs a full range of processing options, including fully parametric EQ, shelving EQ, notch filtering, noise reduction, de-essing, delay, gating, expansion, compression, and AGC. A user interface allows you to find and modify the effect parameters you want quickly. In addition to factory presets of each processing option, ample space is provided for you to develop and store your own user presets. MIDI control is available, or the 601 may be controlled from a Mac or IBM PC compatible computer. Stereo input signals may be processed via the AES/EBU-S/PDIF input. Stereo digital transfers may be made at 48kHz or



44.1kHz sample rates, and for any given format, output may be either digital or analog in mono or stereo.

601	60SY601	MFR LIST	\$1995.00
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Call Bradley for a current price quotation.

Symetrix 421 AGC Leveler

Thanks to a breakthrough in technology, the Symetrix 421 is highly effective at performing unattended gain control functions. Combining a downward expander, AGC Leveler, and output limiter on one single rack unit chassis, the 421 is a set and forget device that gently boosts signals that drop below target output, and smoothly pulls back those that are above target level. Smart circuitry is designed to react to real-world situations, effectively distinguishing between noise or feedback and desired low level audio, utilizing a proprietary Activity Release Monitor circuit. When set in auto mode, the expander section automatically tracks the AGC circuit for foolproof program dependent operation. A fast acting limiter catches transient peaks, and speech curve filters are front panel selectable to optimize voice range performance. The 421 may be stereo linked, or operated in side chain mode.



421 AGC Leveler	60SY421	MFR LIST	\$549.00
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Call Bradley for a current price quotation.



Aphex 124 Audio Level Interface

The Aphex 124 is designed to allow use of -10dBV consumer or semi-pro equipment with +4 or +8dBm professional audio systems. The 124 provides an extremely clean, reliable two way buffer so both systems can operate at maximum performance levels by matching impedances and operating levels. Inputs and outputs are transformerless for wide, flat frequency response and perfect square waves to preserve transients. Hum and noise rejection are high, while the noise and distortion of the 124 are almost non-existent. A front panel switchable 600 ohm load allows for input line termination.



Accessory:

Rack mount kit holds one or two units in a single rack space.

60AP44008 MFR LIST \$29.95

124 60AP124 MFR LIST \$229.00

Call Bradley for a current price quotation.

ATI L-1000 Precision Dual Line Amp

The L-1000 provides 34dB of gain for solving numerous control room problems. Low noise, high impedance balanced input bridges +24dBm lines with 80dB hum rejection. Rack mount kits for one or two units are optionally available.



Transformer output 60AIL10001 MFR LIST \$379.00
Balanced differential outputs 60AIL10002 MFR LIST \$359.00

Call Bradley for a current price quotation

ATI Multiple Amplifier Arrays

These useful arrays have a wide variety of applications. They combine audio gain control, distribution, and mixing in a single rack space enclosure. They are available with four or eight channels of mic-to-line (up to 84dB) or line-to-line (up to 42dB) of amplification. Rear panel jumpers let you create combinations of distribution amplifiers, mono summing networks, or sum and difference networks. Use the amplifiers individually or in sets as a mic distribution amp, headphone amp, consumer to pro interface, press box, or a simple mixer. Excellent audio specifications make these arrays an exceptional value. XLR termination strips are optionally available for convenient installation.



Call Bradley for a current price quotation.

4 channel line amp, transformer outputs 60AIMLA4001 MFR LIST \$495.00
4 channel line amp, differential outputs 60AIMLA4002 MFR LIST \$369.00
8 channel line amp, transformer outputs 60AIMLA8001 MFR LIST \$755.00
8 channel line amp, differential outputs 60AIMLA8002 MFR LIST \$579.00
4 channel mic-to-line amp, transformer outputs 60AIMMA4001 MFR LIST \$545.00
4 channel mic-to-line amp, differential outputs 60AIMMA4002 MFR LIST \$419.00
8 channel mic-to-line amp, transformer outputs 60AIMMA8001 MFR LIST \$825.00
8 channel mic-to-line amp, differential outputs 60AIMMA8002 MFR LIST \$629.00



ATI Matchmaker

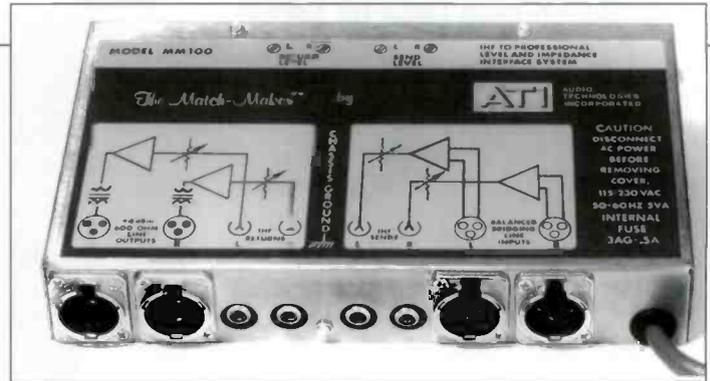
Loading, distortion, hum loops, RF pickup, and high frequency roll off can be problems when interconnecting consumer (unbalanced, IHF) and professional (+4dBm) equipment. The Matchmaker solves these problems with less than 0.02% THD, 20Hz to 20kHz with +0/-0.25dB response, and over 98dB of dynamic range. Exceptional performance including its transformer balanced outputs.

Matchmaker 60AIMM100 MFR LIST \$289.00

Accessory:

Rack panel holds one or two units in a single rack space.

60AI20273 MFR LIST \$25.00



Call Bradley for a current price quotation.

Radio Design Labs Rack-Up Series



Bradley is pleased to introduce another group of handy problem solvers from our friends at Radio Design Labs. The Rack-Up Series of products can be mounted wherever you need them, just like RDL's familiar Stick-Ons. But the beauty of the Rack-Ups lies in their rack design: you can mount up to three different products in a single rack space using a separate hardware kit.

Connections are on full-size barrier strips. Each model provides a write-on area on the front panel for custom labeling. Power is provided by a 24V supply, sold separately; in many cases one supply can power multiple units. Ask us for details.

Need a distribution amp? Pick the Model RU-DA4D, providing four stereo (or eight mono) isolated outputs with individual level sets. The presence of audio is indicated by an LED for each channel. The DA permits the connection of balanced or unbalanced, high or low impedance lines.

The Model RU-MX5 is a five-channel mic/line mixer. Four of the inputs can accept either mic or line; the fifth is line. A rear-panel jumper provides 24VDC phantom voltage to any or all mic inputs. The mixer has a mic output and a line output, both balanced. Output levels are shown on three LED indicators: -20 for audio detection, 0 for normal levels, and +5 for peaks (0dB refers to a balanced audio output of +4dBm). A separate MIX input lets you wire an external source (like another mixer) directly to the amplifier, so you can expand easily.

For precision metering, the Model RU-SM12 fits a quality left/right audio level meter into 1/3 of a rack width. Choose between average or peak, stereo or mono operation. L+R/L-R metering, set with a rear-panel jumper, allows you to identify out-of-phase signals. Large, bright LED's are clearly visible.

Call Bradley for a current price quotation.



Radio Design Labs Rack-Up Series (order power supply and rack kit separately)

RU-MX5 Mic/Line Mixer

60RDRUMX5 MFR LIST \$189.00

RU-DA4D Distribution Amp

60RDRUDA4D MFR LIST \$189.00

RU-SM12 Audio Meter

60RDRUSM12 MFR LIST \$169.00

Accessories:

RU-RA3 19" Rack Adapter (holds any three Rack-Ups)

60RDRURA3 MFR LIST \$23.95

RU-FP1 Filler Panel/Reverse Mount Kit

60RDRUFPI MFR LIST \$6.95

PS-24A Power Supply

60RDXFMR MFR LIST \$13.95

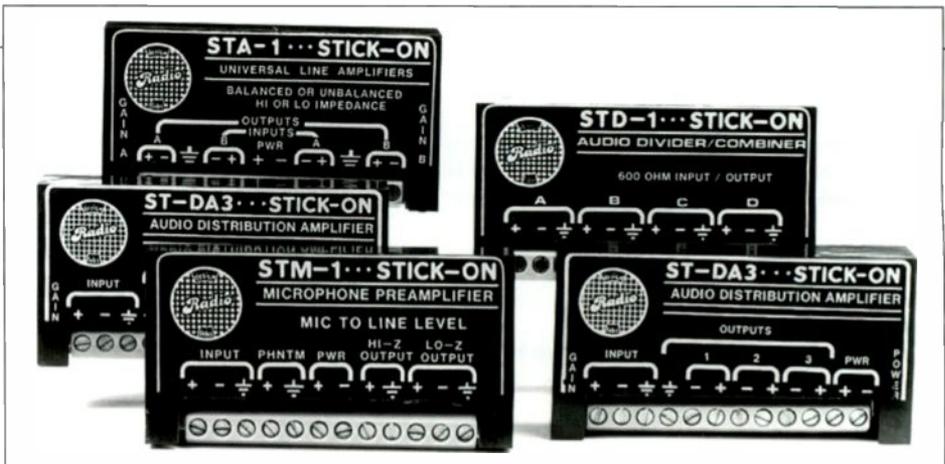
Hardware for special surface mounting and extra label kits are available. Contact your Bradley professional today.

For all your audio needs, remember one number:
1-800-732-7665.



Radio Design Labs Stick-On Series

Each Stick-On is only 1/2" x 1 1/2" x 3" and can be attached anywhere with its adhesive backing. All products are designed to work in high RF environments and carry a three year limited warranty. *Indicates that a Power Supply is required. Power Supplies are priced separately.



Call Bradley for a current price quotation.

ST-DA3 Distribution Amplifier allows bridging of any line and driving almost any load. Master gain adjustment provides up to 20db of gain. One input, three outputs. Use two for stereo.

ST-DA3* 60RDSTDA3 MFR LIST \$104.95

Also available:

STM-DA3 feeds one 150 ohm mic signal to three isolated inputs.

STM-DA3 60RDSTMDA3 MFR LIST \$104.95

STA-1M Audio Line Amplifier has a gain range of -14dB to +7dB when using the balanced I/O. When using the unbalanced I/O, the gain range is -7dB to +14dB. Single channel.

STA-1M* 60RDSTA1M MFR LIST \$82.95

ST-SH1 Stereo Headphone Amp is designed to feed either low or high impedance stereo headphones. The input is bridging and accepts either a balanced or unbalanced source.

ST-SH1* 60RDSTSH1 MFR LIST \$94.95

ST-MX3 Line Level Mixer has three adjustable line level inputs and a single output. It allows you to combine signals of different levels, impedances, or balanced/unbalanced configurations.

ST-MX3* 60RDSTMX3 MFR LIST \$94.95

Also available:

ST-MMX3 Mic to Line Level Mixer is similar, but inputs are at mic level while the output is line level.

ST-MMX3* 60RDSTMMX3 MFR LIST \$104.95

ST-PH1 Stereo Phono Preamp makes it easy to preamplify phono levels close to the turntable for best audio performance. Equalization follows the RIAA curve and is accurate and quiet.

ST-PH1* 60RDSTPH1 MFR LIST \$104.95

STM-1/STM-2 Microphone Preamplifiers provide 150/600 ohm balanced inputs with phantom power available, and two outputs, one 600 ohm balanced, the other 10k unbalanced. The STM-1 has a fixed gain of 50dB, while the STM-2 has a variable gain to 65dB. Specifications include 0.05% THD and response 50Hz to 30kHz, ±1dB.

STM-1* 60RDSTM1 MFR LIST \$79.95

STM-2* 60RDSTM2 MFR LIST \$109.95

ST-MPA2 Mic Phantom Adapter adds phantom power ranging from 6 volts to 52 volts to one or two mic lines. Any mic can be safely powered.

ST-MPA2* 60RDSTMPA2 MFR LIST \$65.95

STP-1 Attenuator is useful for reducing input levels to improve headroom, or other applications. Each STP-1 has two variable modified "H" pads providing up to 85dB attenuation. A 15 turn trim pot allows precise adjustment of levels.

STP-1 60RDSTP1 MFR LIST \$39.95

STA-1 Electronic Transformer Pair combines an electronic line transformer and adjustable 20dB gain amplifier. There are two circuits in each unit for stereo operation. Typical applications include: balanced to unbalanced interface, unbalanced to balanced bridging amp, monaural combiner, stereo splitter, and Hi-Z amplifier.

STA-1* 60RDSTA1 MFR LIST \$112.95

STD-1 Divider/Combiner is a passive, four channel device where any channel may be an input or output. It may be used to branch a 600 ohm line to three inputs, combine stereo signals to a mono input, branch or combine 150 ohm mic signals, or divide a mono signal to apply stereo inputs.

For 150Ω 60RDSTD1150 MFR LIST \$36.95

For 600Ω 60RDSTD1600 MFR LIST \$36.95

For 10kΩ 60RDSTD10K MFR LIST \$36.95

ST-GCA1/ST-GCA2 Gain Control Amplifiers offer gain reduction (compression) for positive control of peak levels. The slow AGC of the ST-GCA1 makes a 20dB level adjustment in eight seconds. The ST-GCA2 has an AGC with fast action, offering nearly instantaneous audio reduction which makes it ideal for use in systems prone to loud bursts of audio. Both accept nearly any input.

ST-GCA1 slow* 60RDSTGCA1 MFR LIST \$94.95

ST-GCA2 fast* 60RDSTGCA2 MFR LIST \$94.95

ST-VCA1 Voltage Controlled Amplifier allows you to control audio remotely with a DC voltage. The built-in mic preamp allows any combination of mic or line level inputs and outputs. A standard 10k linear taper pot (not included) is used for control.

ST-VCA1* 60RDSTVCA1 MFR LIST \$89.95

ST-ACR Audio Controlled Relays allow you to control switching from any audio signal. Multiturn sensitivity adjustments cover the range from mic to line level. Relay release can be adjusted from 1/2 to 5 seconds on the ACR1, and from 5 to 50 seconds on the ACR2. Double-pole, double-throw switching contacts are provided. A "slave" terminal connects Stick-On logic controlled relays (see below).

ST-ACR1* 60RDSTACR1 MFR LIST \$74.95

ST-ACR2* 60RDSTACR2 MFR LIST \$74.95

ST-LCR1/ST-LCR2 Logic Controlled Relays provide double-pole, double-throw switching contacts, open-collector outputs, and an LED indicator of relay closure. Dual inputs.

ST-LCR1* momentary action

60RDSTLCR1 MFR LIST \$51.95

ST-LCR2* alternate action

60RDSTLCR2 MFR LIST \$85.95

Also Available:

ST-VOX1* Voice Activated Relay
60RDSTVOX1 MFR LIST \$79.95

ST-PA2* 2-watt Utility Power Amplifier
60RDSTPA2 MFR LIST \$52.95

ST-PA6* 6-watt Utility Power Amplifier
60RDSTPA6 MFR LIST \$63.95

ST-MLX3* Mic/Line Mixer
60RDSTMLX3 MFR LIST \$99.95

STM-3* Microphone Preamplifier
60RDSTM3 MFR LIST \$125.95

ST-AMC3* Active Mic Combiner
60RDSTAMC3 MFR LIST \$94.95

ST-VP1* Voice Over/Page Module
60RDSTVP1 MFR LIST \$104.95

ST-EQ3* 3-Band Equalizer
60RDSTEQ3 MFR LIST \$73.95

ST-CL1* Compressor/Limiter
60RDSTCL1 MFR LIST \$115.95

ST-SSR1* Solid State Audio Relay
60RDSTSSR1 MFR LIST \$81.95

Accessory:

***DC Power Supply** 60RDXFMR MFR LIST \$13.95

STR-19 Rack Mount Kit Holds up to 12 Stick-Ons behind its 5 1/2" hinged panel.

STR-19 60RDSTR19 MFR LIST \$99.95



Whirlwind Accessory Boxes

(1) **Hot Box** active direct box offers advanced electronic circuitry that completely eliminates low-end saturation, produces wide bandwidth with no signal loss, and provides transparent, non-colored sound. Includes an LED "on" indicator, a +15dB, Flat, -40dB switch, and a ground-lift switch. It can be powered by either two 9V batteries, or 48V phantom power.

Hot Box 61WHHB \$125.00



(2) **IMP 2** is a high quality passive direct box with a ground lift switch and bridged output.

IMP 2 61WHIMP2 \$39.00



(3) **Director** direct box combines road durability with great studio performance. Loading, distortion, and signal loss are eliminated by the TRHL-M transformer and custom circuitry. Mu-metal shielding is included for EM and RF isolation. With no need for a battery or external power, you avoid related problems.

Director 61WHDIR \$62.00

(4) **IMP Splitter** allows a single input to be split into two or three signals. Low impedance.

1x2 61WHMS2 \$52.50

1x3 61WHMS3 \$59.00

(5) **IMP Combiner** combines two low impedance signals into one low impedance output. Features phase reverse switch to match phase or to throw mics out of phase for special effects.

IMP Combiner 61WHCOMB \$49.00



(6) **Phase Reverse** is a handy "back pocket" adapter for reversing phase on low impedance lines. XLR connectors.

Phase Reverse 61WHPR \$17.50

(7) **IMP Pads** provide fixed attenuation on low impedance lines. XLR connectors.

10dB pad 61WHPAD10 \$22.25

20dB pad 61WHPAD20 \$22.25

30dB pad 61WHPAD30 \$22.25



(8) **Lifter** is a handy in-line device for ground lift at pin-1 on an XLR line.

Lifter 61WHGL \$17.00

Shure "Problem Solvers" and Impedance Transformers

These in-line devices are only 4 1/2" long and 3/4" in diameter, and are color coded for quick identification. Extremely handy, they have XLR connectors. Except as noted, they are designed to be used with 150 ohm low level equipment.

Tone generator produces a continuous 700Hz signal capable of driving low impedance balanced lines. Battery operated. 61SHA15TG \$68.00

Low pass filter provides a high frequency cutoff to reduce objectionable high frequency noises. 61SHA15LP \$39.00

Response shaper provides sibilance filtering (removes presence peak) for recording, broadcasting, and PA applications. 61SHA15RS \$39.00

Bridging transformer matches balanced or unbalanced devices of different impedances (33 kilohm primary, 600 or 7500 ohm secondary). 61SHA15BT \$44.00

Line input adapter converts low impedance microphone input to bridging line-level input. May be driven from source of up to 50 kilohms and 24dBm. 61SHA15LA \$39.00

Switchable mic attenuator provides 15, 20, or 25dB attenuation to prevent preamp overload. 61SHA15AS \$45.00

Switchable phase reverser instantly reverses phase of a balanced line of any level. Can be used in either direction. 61SHA15PRS \$39.00

Presence adapter adds presence to vocals or instruments. 61SHA15PA \$39.00

High pass filter provides a low frequency cutoff to reduce unwanted low frequency noise. 61SHA15HP \$44.00

Impedance Transformers

Shure A95U in-line impedance matching transformer with male XLR connector. Male and female 1/4" adapters supplied. 61SHA95U \$36.00

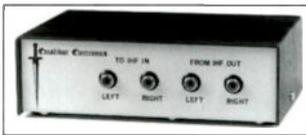
Shure A95UF in-line impedance matching transformer with female XLR connector. Male and female 1/4" adapters supplied. 61SHA95UF \$39.00

Whirlwind Little IMP in-line impedance matching transformer with female XLR connector to male 1/4" connector. 61WHLI \$11.50



Excalibur IA-1 Interface Amplifier

The IA-1 is used to interface consumer type equipment to equipment requiring professional levels and impedances. This compact two way, stereo unit has excellent audio performance. Frequency response is ± 0.2 dB, DC to 25kHz; THD <0.006%; noise >90dB below operating level; and >75dB common mode rejection on the balanced input stages. Barrier strips provide gas-tight connections on the balanced inputs and outputs, with RCA phono jacks on the unbalanced I/O. Input and output levels are adjustable.



IA-1 60EXIA1 \$165.00

Excalibur APA-1 All Purpose Amplifier

Summing, splitting, matching, interfacing... the APA-1 does it all. The dip switches allow you to configure the APA-1 quickly, and its clean audio performance makes it right at home in the highest quality facilities. Use the APA-1 as a stereo line amp, 1 by 2 splitter, 2 to 1 summer, mix-minus amp, level and impedance interface, active phase inverter, or headphone amp. Inputs and outputs are on barrier strips. The low price and utility of this unit let you keep one on hand to face the unexpected.



APA-1 60EXAPA1 \$149.00

Accessory:

Rack Mount Kit 60EXAPA1R \$15.00

Excalibur "H" Pads

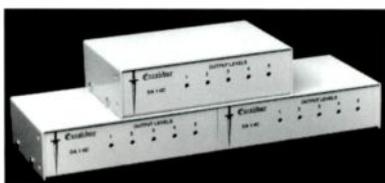
Don't be a resistor twister! Excalibur's "H" pads are so inexpensive, home brewing is just not worthwhile. 1% metal film resistors assure accurate losses and low noise. A 6-32 threaded stud allows easy mounting. "H" pads are available in 6, 10, 20, and 50dB losses, and to use as a blank PC board for making your own. Custom values are also available. Call for info.



Minimum order: 10 pads of any mix.

6dB 600 ohm	60EX6H	\$2.25
10dB 600 ohm	60EX10H	\$2.25
20dB 600 ohm	60EX20H	\$2.25
50dB 600 ohm in/150 ohm out	60EX50H	\$2.25
Blank pad	60EXBH	\$2.10

Excalibur Distribution Amplifiers



These two DAs further Excalibur's reputation for quality and value. The DA1-5C has one input and five outputs, while the DA2-5C has two 1 by 5 DAs. Their small size allows them to be hidden out of the way. If you prefer, optional rack ears mount either in only one rack unit. Balanced I/O is on barrier strips. S/N >80dB at unity gain, input common mode rejection is greater than 75dB at 1kHz, and THD is less than 0.01%. Maximum gain is 18dB and maximum input and output levels are +22dBm.

DA1-5C 1x5 60EXDA15 \$180.00

DA2-5C Dual 1x5 60EXDA25C \$270.00

Accessories:

Rack ears for DA1-5C 60EXDA15R \$15.00

Rack ears for DA2-5C 60EXDA25CR \$15.00

Radio Systems DA8 & DA16 Distribution Amplifiers



Radio Systems DA's are durable, proven, and in use in thousands of studios around the world. Front panel independent level adjusts, balanced bridging inputs, balanced low impedance outputs, barrier strip connectors, and super low noise and distortion make this one of the most popular DA's ever. Put it in and forget about it. Uses a single rack space.

DA-8 (8 Mono) 60RSDA8 MFR LIST \$340.00

DA-16 (8 Stereo/16 Mono) 60RSDA16 MFR LIST \$425.00

Call Bradley for a current price quotation.
1-800-732-7665

Henry Matchbox

This is the impedance and level matching device our customers ask for by name. The Matchbox is a four amplifier unit used to interconnect IHF standard (-10dBV) with professional broadcast standard (+4dBm) equipment. Full bi-directional stereo interface is provided. All circuitry is active and direct coupled. Excellent specifications, and convenient AC outlet is provided.



Matchbox 60HEMATCH MFR LIST \$195.00

Henry LogiConverter

The LogiConverter is an interface unit that converts TTL/CMOS or "open collector" console outputs to momentary or maintained relay closures. All inputs are opto-isolated and outputs are SPDT relay contacts. Internal DIP switches program the unit to generate momentary or continuous closures.



The LogiConverter will control up to four circuits and can provide start only or start/stop outputs from a single input signal.

LogiConverter 60HELIC MFR LIST \$195.00

Henry Superrelay

Hundreds of engineers have built "little black boxes" of relays to tie up loose ends. Now Henry does it for you! Superrelay is for use in broadcast station control rooms, A/V systems, or any installation requiring multiple circuit control. It's ideal for controlling the various equipment functions that need to be switched when, for example, a control room mic is turned on.

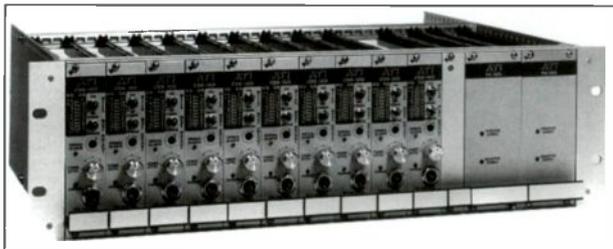


Superrelay can be controlled by any external momentary or maintained switch, or by CMOS/TTL. It provides six double pole relays used for low-voltage and audio switching, and a switched AC output will directly power up to 300 watts of warning lights (without buzz, pops, or arcs) and make them flash using the built-in, defeatable flasher. Superrelay can also be connected to any dial-up telephone line for control of equipment when the line rings. Keep an extra one handy for those emergency jobs.

Superrelay 60HESR MFR LIST \$225.00



ATI System 10,000 Modular Amps



The ATI System 10,000 offers flexibility to meet your audio needs in one efficient package. Mix distribution, mic amps, and line amps in each chassis. Each 5 1/2" rack can hold up to ten modules and two redundant power supplies.

Common System Components:

Rack frame 60AIRM100 MFR LIST \$335.00

PS100 power supply. Two may be installed in each frame. 60AIPS100 MFR LIST \$299.00

Distribution Modules:

DA100 basic 1x6 DA with active balanced outputs. Single level control for all outputs and a headphone monitor jack are on the front panel. 60AIDA100 MFR LIST \$250.00

MDA100 is similar to the DA100, and adds an LED bargraph meter and an alarm output that warns of a dead channel. 60AIMDA100 MFR LIST \$335.00

CDA100 adds a gated compressor to the MDA100. 60AICDA100 MFR LIST \$395.00

IDA100 is a 1x6 DA with independent adjustment of all outputs, master level control, and front panel headphone jack.

with transformer balanced outputs 60AIIIDA1001 MFR LIST \$385.00

with active balanced outputs 60AIIIDA1002 MFR LIST \$299.00

MIDA100 is similar to the IDA100, and adds an LED bargraph meter.

with transformer balanced outputs 60AIMIDA1001 MFR LIST \$462.00

with active balanced outputs 60AIMIDA1002 MFR LIST \$375.00

MIDA100-1RC is similar to the MIDA100, and adds VCA remote control capabilities. 60AIMIDA100RC MFR LIST \$495.00

SDA200 stereo 1x4 DA with two inputs into eight active balanced outputs. Switch selection of stereo, L+R/L-R, left only, or right only outputs. 60AISDA200 MFR LIST \$299.00

SMDA200 is similar to the SDA200, and adds an LED bargraph meter. 60AISMDA200 MFR LIST \$399.00

Line Amp Modules:

LA100 single line amp has a headphone jack and screwdriver adjust level control.

with transformer balanced output 60AILA1001 MFR LIST \$289.00

with active balanced output 60AILA1002 MFR LIST \$249.00

MLA100 single line amp has the features of the LA100 plus metered I/O.

with transformer balanced output 60AIMLA1001 MFR LIST \$339.00

with active balanced output 60AIMLA1002 MFR LIST \$299.00

LA-200 is a dual line version of the LA100 amplifier module.

with transformer balanced output 60AILA2001 MFR LIST \$339.00

with active balanced output 60AILA2002 MFR LIST \$269.00

MLA-200 is a metered version of the LA-200.

with transformer balanced output 60AIMLA2001 MFR LIST \$339.00

with active balanced output 60AIMLA2002 MFR LIST \$329.00

Note: System 10,000 line amps may also be ordered with optional knobs and/or remote DC gain control.

Microphone Amp Modules:

MA-100 microphone amp provides adjustable gain with front panel knob and includes phantom power.

with transformer balanced output 60AIMA1001 MFR LIST \$299.00

with active balanced output 60AIMA1002 MFR LIST \$259.00

MMA-100 adds a meter to the MA-100.

with transformer balanced output 60AIMMA1001 MFR LIST \$349.00

with active balanced output 60AIMMA1002 MFR LIST \$309.00

MA-200 is a dual line version of the MA-100.

with transformer balanced output 60AIMA2001 MFR LIST \$359.00

with active balanced output 60AIMA2002 MFR LIST \$289.00

MMA-200 adds a meter to the MA-200.

with transformer balanced output 60AIMMA2001 MFR LIST \$429.00

with active balanced output 60AIMMA2002 MFR LIST \$349.00

Note: System 10,000 mic amps may also be ordered with optional remote DC gain control.

Accessories:

Blank panel for amp module space

60AIBP1001 MFR LIST \$25.00

Blank panel for power supply space

60AIBP1002 MFR LIST \$30.00

Call Bradley for a current price quotation.

ATI Microamp Distribution Amplifiers

These high quality 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 includes transformer or differential outputs at +22dBm, with +30dBm models available at additional cost.

Single 1x8 w/transformer outputs 60AIDA10081 MFR LIST \$945.00

Single 1x8 w/differential outputs 60AIDA10082 MFR LIST \$820.00

Dual 1x8 w/transformer outputs 60AIDA20161 MFR LIST \$1395.00

Dual 1x8 w/differential outputs 60AIDA20162 MFR LIST \$1145.00



Call Bradley for a current price quotation.



ATI Encore Distribution Amps

Superior audio quality and practical configurations make these DA's from ATI our best sellers. Here is a no frills DA system available in either two or four sections of 1x4. Paralleling inputs allows you to select 1x4, 1x8, 2x8, or 1x16 set-ups as your application requires. The front panel provides for adjustment of individual output amps and has clipping indicators for each output set. Outstanding RFI suppression. 13V/ μ sec slew rate. 60dB CMRR at 60Hz, THD max 0.1%, SMPTE IMD max 0.05%, 30Hz to 20kHz \pm 0.25dB, S/N 75dB at 20dB gain (ref: +18dBm out). Terminations are barrier strip and XLR termination panels are available at extra cost.

DA208 with two 1x4 sections	60AIDA208	MFR LIST	\$369.00
DA416 with four 1x4 sections	60AIDA416	MFR LIST	\$539.00



Call Bradley for a current price quotation.

Henry Engineering U.S.D.A. & MicroMixer

The Universal Summing and Distribution Amplifier has the ability to combine, as well as split, audio signals. The U.S.D.A. has two inputs (one stereo pair) and four outputs (two stereo pairs). While it can be used as a conventional 1x4 or 2x2 distribution amp, there is the added ability of either stereo input to be combined into dual mono without affecting the other output. Up to 20dB of gain is available, adjustable individually on each output.

The MicroMixer has four balanced inputs that can be individually assigned to its two balanced outputs. Used alone, or with the U.S.D.A., the MicroMixer is a high quality method of combining stereo to mono, creating mix-minus or monitor busses, and numerous other uses. Each unit's balanced outputs are isolated and will drive a 600 ohm load to +25dBm with less than 0.01% THD. The bridging inputs accept a wide range of both balanced and unbalanced sources.

U.S.D.A.	60HEUSDA	MFR LIST	\$195.00
MicroMixer	60HEMM	MFR LIST	\$195.00

Call Bradley for a current price quotation.



Aphex 120 Distribution Amplifier

The 120 high performance DA has one input, four outputs with individual front panel level controls, and one unity gain direct output. The wide, flat frequency response (5Hz to 100kHz, +0, -0.5dB) allows the 120 to be used in the most critical applications, as well as distributing SMPTE time code if necessary. The 120 boasts THD 0.002% at +4dBm and hum and noise better than -90dBm at unity gain. XLR input and output connectors and maximum RF shielding make the 120 suitable for both studio and field use. Compact enough for two to fit side by side in the rack.

120	60AP120	MFR LIST	\$319.00
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Accessory:

Rack mount kit holds one or two units in a single rack space.

60AP44008	MFR LIST	\$29.95
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Call Bradley for a current price quotation.

Burk LX-1 Six-Input Stereo Selector

The LX-1 Stereo Switcher from Burk allows you to integrate all studios through one master control unit. With the LX-1 the transition from studio to studio is smooth and quiet and levels remain constant. The LX-1 can be connected to your remote control system for remote program switching. Matches -10 IHF to +4 PRO inputs, so no external matching equipment is needed. Additionally, the LX-1 allows mixing of two studio sources, or lockout of all audio sources. Tally indications are provided for each source, making it clear which one is on the air. Individual start and stop pulses are also available for each source, making it easy



to start a fill tape, reset automation, or activate an EBS generator.

LX-1	60AVLX1	MFR LIST	\$1295.00
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Call Bradley for a current price quotation.



Wheatstone Stereo Selector

The model 822A stereo selector is a passive, single rack space device. Up to eight stereo sources can be connected; they will appear on both the "A" and "B" switch banks. Each switch bank has a separate output providing the user with the ability to matrix or "bounce" between all eight sources. The connectors and switches use all gold contacts; balanced inputs and outputs appear on DB-9 connectors. A write-in strip is located below each switch for labeling.



Wheatstone Stereo Selector 60WS822A MFR LIST \$550.00

Call Bradley for a current price quotation.

360 Systems AM-16/B Routing Switcher

The AM-16/B Routing Switcher replaces the patch panels and cumbersome switchers in your facility with a compact, easy to use, and expandable system. The AM-16/B is field selected as either a 16 x 16 mono or an 8 x 8 stereo matrix. The companion AM-16/E slave unit operates in parallel to provide additional simultaneous inputs. Combine one master and one slave unit for 16 x 16 stereo operation. Additional slaves may be used for multi-channel applications or for custom matrices.

All inputs and outputs are electronically balanced, and both RS-422 and MIDI remote control facilities are provided. Front panel setups may be stored in any of 100 memory locations, allowing recall of individual patches or complex "salvos." The front panel includes single ended jacks with the input and output of two mono channels or one stereo pair, to serve as test points or for an emergency patch. Specifications are impeccable. Frequency response is $\pm 0.5\text{dB}$, 20Hz to 20kHz. Distortion is less than 0.008% THD+N, DC to 20kHz @ +22dBu. Signal to noise is 105dB unweighted, and crosstalk is 99dB at 1kHz and 83dB at 20kHz, any channel to any other. CMRR is better than 55dB, DC to 20kHz.



The features and performance of the AM-16/B are typically found only in routing switchers costing much more. The AM-16/B can make your job easier at an economical price.

AM-16/B Switcher 60TH16B MFR LIST \$1495.00
AM-16/E Expander 60TH16E MFR LIST \$995.00

Call Bradley for a current price quotation.

Conex AS-101 Routing Switcher

The AS-101 is a reasonably priced, high quality 10x1 stereo routing switcher. It is unique in that it can be programmed for "overlap" switching, which prevents the source from turning 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 10K bridging or 600 ohm terminating. Audio connections are via plug in screw clamp terminal blocks, and all audio paths are transformerless balanced. The control format is four level BCD plus strobe, ground, and 12VDC. Several control heads may be operated in parallel. An auxiliary rack mount 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. Call for the full list of Conex options, and ask for a current price quotation.



AS-101 Switcher 60CNAS101 MFR LIST \$895.00
Accessory:
Single unit remote control 60CNAS401 MFR LIST \$150.00

Logitek Pre-10 And Mon-10 Switchers

You'll find plenty of applications for these audio tools from Logitek. The Pre-10 is a passive 10x2 stereo routing switcher with barrier strip terminations. The Mon-10 is a 10x1 stereo passive switcher with wire-capture terminal blocks and front panel switching to look at Left, Right, L+R, or L-R and feed the selected signal to the VU meter and internal monitor amp. Meter sensitivity may be selected over a 50dB range in 10dB steps. The monitor amp feeds the front panel speaker, a front panel headphone jack, and rear panel speaker connections.



Pre-10 60LTPRE10S MFR LIST \$560.00
Mon-10 60LTMON10 MFR LIST \$855.00

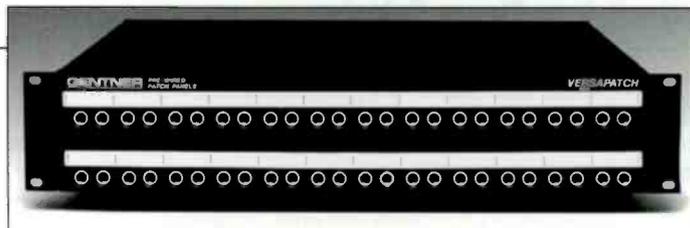
Call Bradley for a current price quotation.



Gentner Versapatch II Audio Patch Panels

Versapatch II provides the convenience of a high quality, chassis enclosed patch bay with rear panel punch down termination. Each unit has wide designation strips, a rear strain relief bar for cable tie down, and protection against dust and RFI. The Flexiblock termination 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) version is also available.

Flexiblock termination normalled at bay 60GEVPAB MFR LIST \$749.00
Flexiblock termination normals brought out 60GEVPBO MFR LIST \$1049.00
Flexiblock top-row-bridging 60GEVPTRB MFR LIST \$749.00



Call Bradley for a current price quotation.

Gentner Pre-Wired Audio Patch Panels

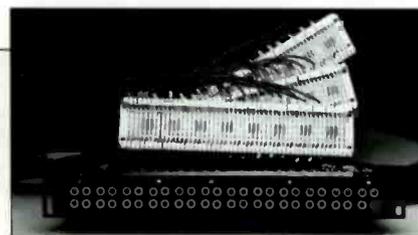
Why spend your valuable time wiring patch panels? Gentner and Bradley can provide pre-wired patch panels in virtually any configuration at affordable prices. The examples below are our most frequently purchased models. Call your Bradley professional for assistance in completing your installation on time and on budget.

Model 48DR-TRS-AB-XX has 48 quarter-inch tip-ring-sleeve jacks in two rows with stereo offset spacing, normalled at the bay, with your choice of Flexiblock, punchblock, or "Christmas Tree" termination. Price varies with termination selected and length of cable harness.

Model 48DR-TRS-BO-XX is similar to the above, except the normals are brought out to the termination.

Call Bradley for a current price quotation.

Model 48DR-TRS-TRB-XX is similar to the above, except the top row of this normalled bay is bridged to permit monitoring from the bay.



Other patch bays available include 52 quarter-inch jacks in two 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, with EasyTerm or SuperPatch, or with any termination you provide. Cables are bundled to the left as viewed from the rear of the panel.

Har-Ken Specialties Adapters

This unique series of products is designed to rescue you from that "little problem" that always pops up at the last minute.

XLR Adapters

Surprise! You are on the air in five minutes, and you need to mate with an alien connector. Fortunately, you've got Har-Ken adapters in your kit so you'll meet the deadline with time for a cup of coffee. Specify male or female XLR connector by adding an "M" or "F" in place of "X" when ordering.

Adapter termination		Price
Three terminal barrier strip	60HK104X	\$16.88
Miniature three terminal barrier strip	60HK118X	18.00
Triple binding posts, side mounted	60HK119X	24.75
Triple binding posts, rear mounted	60HK103X	24.75
Phono (RCA) jack (female)	60HK107X	15.75
Phono (RCA) plug (male)	60HK110X	15.75
Mini-plug (TS wired to pins 2 & 3)	60HK121X	15.75
Mini-jack (TS wired to pins 2 & 3)	60HK122X	15.75
Bantam patch field jack	60HK109	31.50
BNC (coax shield & XLR body isolated)	60HK106X	14.34
Modular 6 pin telco (RJ11C) plug (male)	60HK116M	15.75
Modular 6 pin telco (RJ11C) jack (female)	60HK116F	15.75
Telco handset jack-transmit (4 pin)	60HK117TX	15.75
Telco handset jack-receive (4 pin)	60HK117RX	15.75

XLR Universal Two-Fer

Double barreled so that you will be able to connect any two cables regardless of the gender of their XLR connectors. 60HK115 \$39.94



Inline Switchable Audio Pad with XLR connectors

Allows attenuation from 10dB to 40dB in 2dB steps.
600/600 ohm pad 60HK1126 \$61.59
150/150 ohm pad 60HK1121 \$61.59

Phase Reversal & Ground Lifter

Puts both of these functions into a single, compact inline unit with XLR connectors. 60HK113 \$50.34

Polarity Tester

Uses two bipolar LEDs to indicate the polarity of the DC voltage on pins 2 and 3 of an XLR connector with pin 1 common. 60HK125 \$32.00

XLR Monitoring Device

Allows you to monitor moderate to high level audio. The TS mini-jack allows you to connect an ear piece or headphone. 60HK111 \$24.75

Furman PB Series Patch Bays



Sturdily housed in a heavy gauge, one rack space steel chassis, the PB series patch fields come in three 40 point configurations. Models are fully assembled with standard 1/4" phone jacks with either tip-sleeve (TS) or tip-ring-sleeve (TRS) front and rear, or with 1/4" TS in front and RCA jacks in the rear. Top to bottom normalization is standard on all models. A normal may be easily defeated by snipping a wire on that pair's circuit board. Don't spend unnecessary hours slaving over a "you-do-the-work" bay when Furman lets you "be normal" at a reasonable price.

TS back to TS front

60FUPB40P MFR LIST \$165.00

TRS back to TRS front

60FUPB40T MFR LIST \$180.00

RCA back to TS front

60FUPB40R MFR LIST \$155.00

Accessories:

Patch cords are 30" long and come in packs of 10.

Patch-P 1/4" TS connectors

60FUPATCHP MFR LIST \$18.00

Patch-R RCA connectors

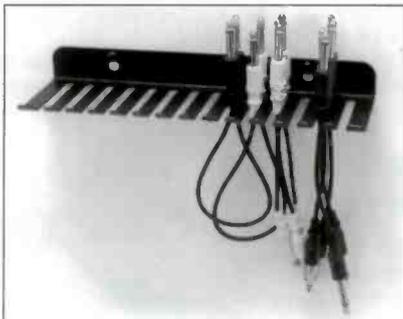
60FUPATCHR MFR LIST \$18.00

Patch-T 1/4" TRS connectors

60FUPATCHT MFR LIST \$22.00

Call Bradley for pricing on the length and type of patch cords you need.

Raxxess Cable Organizer



Loose cables can present an organizational nightmare. The Raxxess Cable Depot solves the problem. Its 14 steel fingers extend to hold up to 40 cables — off the floor, out of the way, and kink-free. Maximum cable diameter: 0.25".

61RXDEPOT MFR LIST \$13.95

Switchcraft Connectors And Adapters



Connectors (Solder type)

Inline TS 1/4" phone M	61WHSW280	\$1.58
Inline TRS 1/4" phone M	61WHSW297	\$3.97
Inline 1/8" TS MINI M	61WHSW780	\$3.35
Inline Phono (RCA) M	61WHSW3502	\$1.25
Philmore Inline 1/8" TRS Mini M	61WH18TRSM	\$2.00

Adapters (User assembly required)

1/8" TS F to 1/4" TS M	61WHSW364	\$6.60
XLR F to 1/4" TRS F	61WHSW383A	\$13.90
XLR M to 1/4" TRS F	61WHSW384A	\$12.90
XLR F to 1/4" TRS M	61WHSW386A	\$13.25
XLR M to 1/4" TRS M	61WHSW387A	\$12.50
XLR F to XLR F	61WHSW389	\$12.80
XLR M to XLR M	61WHSW390	\$10.85
XLR M to XLR F	61WHSWS3FM	\$10.85

M=Male, F=Female

Also see our full selection of Har-Ken adapters on the previous page.

Whirlwind XLR Connectors



For inline applications, Whirlwind's "WI" series features one piece, die cast housings and 100% cable strain relief. Use with cable diameters from 0.11" to 0.31". Strain relief boots are black, with red, blue, and white available by special order. These may be the best XLR connectors available.

Male inline XLR	61WHW13MXX	ea: \$2.25
Box of 100		\$180.00
Female inline XLR	61WHW13FXX	ea: \$2.40
Box of 100		\$192.00

Neutrik Connectors



Bradley stocks the popular "X" series Neutrik. These connectors have only four parts. They have no set screw and crimping is not required during assembly. One piece unbreakable die cast housing, bellows-style polyurethane flex relief and chuck-type, snap on cable clamp provide secure strain relief. The standard "C" series is available only as right angle connectors that swivel at 45° intervals when assembled for maximum packing density. Both XLR types are available in nickel shell with silver contacts and black shell with gold contacts.

3 Pin XLR

Type	Shell	Part#	Price
Female Cable	Nickel	61NT3FX	\$2.62
Female Cable	Black	61NT3FXB	\$3.82
Female Panel	Nickel	61NT3FP	\$2.75
Female Right Angle	Nickel	61NT3FRC	\$7.05
Male Cable	Nickel	61NT3MX	\$2.46
Male Cable	Black	61NT3MXB	\$3.26
Male Panel	Nickel	61NT3MP	\$2.53
Male Right Angle	Nickel	61NT3MRC	\$6.78

Other Neutrik Connectors

1/4" TS phone plug	61NTNP2C	\$2.57
1/4" TRS phone plug	61NTNP3C	\$3.75
1/4" TRS lockable chassis jack	61NTNJ3FP6C	\$5.25

Whirlwind Wall Mounting Plates

These stainless steel plates are designed to fit standard single or double gang electrical junction boxes. Mounting screws are included.



Plate	Connectors	Part #	Price
Single	One female XLR	61WHWP1FW	\$9.10
Single	One male XLR	61WHWP1MW	\$8.50
Single	One 1/4" TRS jack	61WHWP1QW	\$10.95
Single	Two female XLR's	61WHWP2FW	\$13.60
Single	Two male XLR's	61WHWP2MW	\$12.95
Single	Two 1/4" TRS jacks	61WHWP2QW	\$15.95
Double	Four female XLR's	61WHWP4FW	\$25.00
Double	Four male XLR's	61WHWP4MW	\$25.00
Double	Four 1/4" TRS jacks	61WHWP4QW	\$30.00



Bradley Assembled Mic Cables



You need them, and Bradley's got them. Our own high quality mic cables, using Neutrik XLR connectors, come in 25' and 50' lengths.

25' cable	61WHMKS20	\$14.50
50' cable	61WHMKS50	\$22.00

Bradley Bulk Mic Cable

Our low impedance mic cable is rugged and reliable. Get as much as you want or as little as you need.

60AT8300	34¢ per foot
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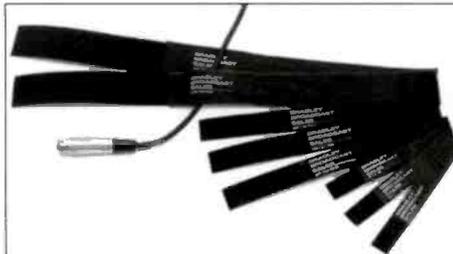
Gotham CT-1 Cable Ties



Reusable plastic tie great for keeping cables neatly hanked. Cables can also be hung. Packaged in a bag of 100.

61NECT1	\$59.00
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**Bradley Cord-Lox
Easy to Use ... Hard to Lose**



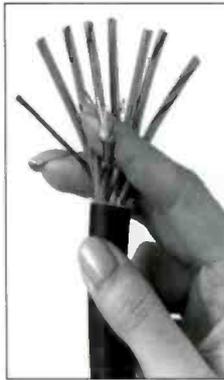
Three sizes delivered from stock. Black only.

3/4" x 5" With cable holder closed at both sides. For most shorter cables.	60CL205C	\$1.20
1" x 7" With cable holder closed at both sides. For medium cables.	60CL307C	\$1.29
1 1/2" x 18" for snakes	60CL4180	\$3.48

Custom imprinting and colors are available. Call your Bradley professional for details.

Canare Star Quad Mic Cable

Star Quad is a cable design that has resulted from research into how interference signals are introduced into balanced mic and line level transmission cables. The Star Quad innovation is the introduction of an additional signal-carrying pair which is tightly interwoven with the first. The result is greater magnetic interference rejection.



Bulk Star Quad

per foot	60CAL4E6BK	48¢
656' reel	60CAL4E605XX	\$293.00
1000' reel	60CAL4E610XX	\$445.00

Black is the only color offered by the foot. Reels are available from stock in black, or in blue, brown, grey, green, orange, purple, red, white, and yellow by special order. Call for pricing on multipair cable with 2, 4, 8, 12, 16, and 24 pairs.

Canare Star Quad Assembled Mic Cables

5 feet	60CAEC005FBXX	\$21.75
15 feet	60CAEC015FBXX	\$27.00
25 feet	60CAEC025FBXX	\$31.50
50 feet	60CAEC050FBXX	\$44.50

Cables are made with Neutrik XLR connectors. Black is available from stock. Other colors are special order and are priced the same. Cable may be special ordered in any length. All special order cables have a minimum order of 10 cables in any mix of colors and lengths.

Handy Bundler

Now your installation projects are easier, and your facility neater, thanks to the Handy Bundler. The Handy Bundler continuously feeds strapping that is easily cut to the exact size you need. Clips that fasten the ends of the strap are automatically fed. Each Handy Bundler comes with 65' of strap and 200 clips. Stop stocking lots of different size wire ties when one handy Bundler will do the whole job.



Specify black or white strap and clips when ordering.

Handy Bundler	60RX4520X	\$49.95
65" replacement strap	60RX4520X	\$14.25
200 replacement clips	60RX4520X	\$9.10

Wire and Cables

Bradley Broadcast can provide a complete selection of wire for your station or studio. We offer low prices and prompt delivery on custom connectorization of multiple pair cable. We carry West Penn, Gepeco, Whirlwind and many others. Our best sellers are listed below.

West Penn 291 Two conductor shielded cable with drain wire and foil shield. Signal conductors are 22 gauge stranded, and the drain conductor is 24 gauge stranded. Perfect for audio connections. Grey comes in 1000' lengths in the convenient to dispense EZ box. 1000' spools are available in black, blue, red, white, yellow, brown, green, violet, and orange.

60WP291XX	\$85.00
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West Penn 510 Two pair individually foil shielded cable with common drain wire and overall shield. Saves time when wiring stereo signals. 1000' reels.

60WP510	\$162.00
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Whirlwind Multipair Cable

Each pair of this heavy duty cable is individually twisted and shielded and has its own drain wire. Sold in multiples of 50'. Price is for a 50' length.

6 pair	61WHW06PR	\$46.50
9 pair	61WHW09PR	\$64.00
12 pair	61WHW12PR	\$77.50
16 pair	61WHW16PR	\$99.00
20 pair	61WHW20PR	\$124.00
32 pair	61WHW32PR	\$195.00

Assembled Speaker Cables

50 feet of 16 gauge speaker wire with chrome plated plugs.

42ME500	\$15.95
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Bulk Speaker Cable

Our heavy duty speaker cable has a black, polypropylene jacket. Minimum order is 50 feet.

14 ga, 2 conductor	61WHW14GA	36¢ per foot
12 ga, 2 conductor	61WHW12GA	55¢ per foot

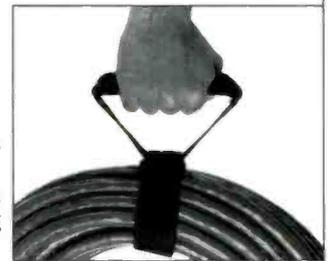
Shrink Sleeving

Shrunken size is approximately half of original diameter. Available in black, red, blue, white, and clear. Minimum order is 50' of any one length and color. Other sizes available.

3/16" diameter	61WHPT316	31¢ per foot
3/8" diameter	61WHPT38	41¢ per foot

**Cord-Lox
Coil 'n Carry**

This ingenious little device really helps out in organizing and transporting your large spools of cable. Webbing is wrapped around a dowel handle and attached to a wide Cord-Lox strap.



Coil 'n Carry	61CL419WHP	\$12.60
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Audio Control Industrial SA3050A Real Time Analyzer



Until the Audio Control Industrial SA3050A real time spectrum analyzer came along you had to pay a ransom for a serious measurement grade RTA. In sound reinforcement applications, the SA3050A is used to acoustically test and adjust overall frequency response by using the supplied calibrated microphone and built-in pink noise generator. It can just as easily and accurately test frequency response of an electrical audio source like a tape recorder, telco program circuit, mixing console, or any other device via its balanced, bridging, wide level range line input. For critical, intra-circuit measurements there is a 1 megohm BNC input, also with a wide level range.

The LED display simultaneously shows the amplitude of each of the 30 ISO third octave frequencies between 20Hz and 20kHz. Three response times allow analysis of transient, average, or integrated response. Results of acoustical or electrical response tests using the digital pink noise generator, whose response is flat to within 0.25dB, can be viewed instantly on this simultaneous 30-band display. An individual response curve can be frozen on the display, and the SA3050A can store up to six different frequency response curves in its internal memory.

An internal back-up battery maintains the contents of the memory for up to one year, even with the AC power disconnected. Acoustical noise spectral distribution and absolute sound pressure level measurements are also in a day's work for the SA3050A. No station, studio, sound reinforcement company, chief, or consulting engineer should be without the SA3050A real time analyzer, especially at this price. Available as a basic unit or loaded with both an internal, rechargeable battery with five hour life and a parallel printer interface for use with your printer.

Basic unit

60AOSA3050A MFR LIST \$995.00

Deluxe unit with rechargeable battery and printer interface (Printer not included.)

60AOSA3050AX MFR LIST \$1300.00

Accessories:

RM-10 rack mount adapter requires three rack spaces (5.25").

60AORM10 MFR LIST \$55.00

SC-10 soft carrying case with pocket for mic and cables. 60AOSC10 MFR LIST \$59.00

AC-10 in line filter for "A" weighted measurements. 60AOAC10 MFR LIST \$44.00

Call Bradley for a current price quotation.

ATI NG-1 Audible Noise Generator

No, this is not your nine year old nephew. It is a useful tool for broadband level matching of multiple microphones and measuring room response. Both pink and white noise are generated, with a smooth five octave (300Hz to 10kHz) output from the internal speaker and a full ten octave (20Hz to 20kHz) output from a line level phone jack. A switchable pulse generator can be used to interrupt the noise output every four seconds. The NG-1 is powered by an internal nine volt battery or AC power. A handy mounting bracket is provided for using the NG-1 in fixed installations for noise masking.



No, this is not your nine year old nephew. It is a useful tool for broadband level matching of multiple microphones and measuring room response. Both pink and white noise are generated, with a smooth five octave (300Hz to 10kHz) output from the internal speaker and a full ten octave (20Hz to 20kHz) output from a line level phone jack. A switchable pulse generator can be used to interrupt the noise output every four seconds. The NG-1 is powered by an internal nine volt battery or AC power. A handy mounting bracket is provided for using the NG-1 in fixed installations for noise masking.

NG-1 60AING1 MFR LIST \$199.00

Call Bradley for a current price quotation.

The CRL Digital Audio Analyzer



The DAA-50 can identify the digital signal format from any source (including AES/EBU, IEC958, S/PDIF, and EIAJCP-340), and give the user information like frequency, pro/consumer mode, emphasis status, and more. Is the source material copyright inhibited? The DAA-50 will tell you. The analyzer is hand-held, powered by two "AA" alkaline or Ni-Cad cells, and easy to use. Accepts balanced and unbalanced inputs. Belt clip and AC adapter included.

DAA-50 60CUDAA50 MFR LIST \$795.00

Call Bradley for a current price quotation.

Fostex TT-15 Tone Generator

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



TT-15 60FOTT15 \$49.95

Call Bradley for a current price quotation.

Whirlwind Cable Tester



The Cable Tester provides a fast and easy way to determine the condition of your cables. In a convenient pocket sized package, the Cable 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.

Cable Tester 61WHTR \$59.00

Call Bradley for a current price quotation

We still believe in service and engineering. Call Bradley today.

Gentner SPH-3A Telephone Hybrid

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 analog hybrid circuit is fairly insensitive to telco line impedance problems and typically provides a null of 15 to 20dB. Main audio connections are XLR line level, with a standard RJ-11C jack for telco. Relative caller level and the internal two 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.



SPH-3A 60GESPH3A MFR LIST \$579.00

Call Bradley for a current price quotation.

Gentner SPH-5 Telephone Hybrid

This is Gentner's best analog phone hybrid, ideal for talk-heavy, medium-market broadcasters. Audio quality is excellent. The SPH-5 offers Gentner's REC function, which automatically starts your tape machine for recording calls, and CUE, allowing your air talent to talk easily with callers off-air through the studio microphone. The dual transformer design achieves consistent send-to-recv rejection.

Features include variable caller control, LED level indicators, and A-lead closure. Termination clicks and pops are suppressed by the SPH-5. Studio inputs and outputs are on XLR connectors.



SPH-5 60GESPH5 MFR LIST \$889.00

Call Bradley for a current price quotation.

Gentner TC-100 Automatic Telephone Interface

In addition to functioning as a phone 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) actuate upon connection to the line. The coupler can also be manually placed on line with either a front panel switch or a remote contact closure. The built-in DTMF decoder card provides 100mA open collector outputs 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.



TC-100 60GETC100RTT MFR LIST \$569.00

Call Bradley for a current price quotation.

Telos Call Screen Manager

One of the secrets to a successful talk show is the communication link between your talent and the call screener/director. Call Screen Manager is a field proven software package to enhance the performance of your Telos talk show system.

Using an economical IBM compatible PC and peripherals, the director can provide the talent with information on each caller as well as special messages. Line status is updated to indicate callers who are on the air, part of a conference, and on hold. Each line has a call timer and programmable duration alarm. Special remote software is available for communicating with your talent via telephone modem. This enables your talent to conduct his/her program from virtually anywhere.

If you are now using a Telos Direct Interface or Key System Interface, Call Screen Manager is an economical upgrade. If you are using another system, Call Screen Manager is another reason why you should contact Bradley for details on the Telos configuration that is ideal for your program.

Host Software 60CPCMH \$349.00
 Host and Remote Software 60CPCMHR \$449.00



Call Bradley for a current price quotation.



Telos Digital Telephone Hybrid Systems

Telos 100 Delta Digital Hybrid



Due to its extraordinary trans-hybrid loss and sophisticated processing, the Telos 100 Delta will perform well on even the toughest phone lines.

The digital signal processing of the 100 Delta is so advanced that it incorporates a dynamic digital equalizer, a feature not found on any other broadcast product. The processor examines the caller audio in three frequency bands within the context of the overall signal. As required, the high and low bands are automatically equalized with reference to the mid band for improved caller intelligibility. The 100 Delta also boasts logarithmic (dB) dynamics control and context sensitive AGC. These digital processes combine with the dynamic digital EQ to offer increased caller intelligibility and matched levels.

The 100 Delta includes two mixed inputs (one line level and one mic/line) and two outputs (one with caller audio and the other with a continuously adjustable mix of caller and mix-minus). This configuration simplifies creation of external mix-minuses. DUPLEX DEPTH can be adjusted for full-duplex, half-duplex, or any point in between. Two DEPTH settings can be stored and remotely selected. This allows remote switching, from a setup requiring more depth for maximum feedback suppression to one where feedback is not a concern and maximum duplex conversation is desired.

100 Delta 60TS100D **\$2180.00**

Telos Direct Interface Module/Telos 1A2 Interface Module Multi-Line, Multi-Caller Talk Systems

Telos offers two options for selection and control of multiple telephone lines in broadcast systems.

The Direct Interface allows direct connection of up to 10 phone lines. It functions as a full broadcast phone system including program on hold and caller conferencing.



The 1A2 Interface Module makes use of standard 1A2 key telephone equipment. Each handles 10 phone lines and units can be coupled to handle up to 30 lines. Software upgrades to both Interface Modules are available to current owners at no charge and add several functions such as AUTO-ANSWER, which automatically answers incoming calls and places them on hold.

The desktop Switch Console has been upgraded to include more extensive line control, remote tape machine start/stop, and a BUSY-ALL mode that is great for clearing all lines before a contest. Other control options include drop-in modules for BE, PR&E, and other popular radio consoles. Caller screening is accomplished with phones or Telos' Call Screen Manager computerized software.

Telos Direct Interface Module 60TS100DI **\$1840.00**

Telos 1A2 Interface Module 60TS100KSI **\$1050.00**

Telos Switch Console 60TS100SC **\$650.00**



Telos ONE/Telos ONE plus ONE Digital Telephone Hybrids

The Telos ONE hybrid automatically adapts to each call and all processing is in the digital domain. Performance features include sophisticated AGC on input and output, an advanced downward expander on the caller audio, and digital processing to dramatically reduce the chances for feedback when monitoring with open speakers.



The input of the Telos ONE is switchable for mic or line level and two outputs are provided. The Telos ONE is available in both rack mounting and modem case versions. Modem case models may be rack mounted in optional single or dual unit accessory panels.

The ONE plus ONE starts with two Telos ONE digital hybrids in a single rack unit chassis. Each hybrid functions independently. An internal mix-minus matrix cross couples the outputs of the two hybrids. In a dual hybrid application, you need to send the ONE plus ONE only a single mix-minus. All of the Telos ONE features are included.

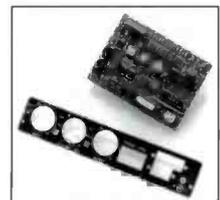
Telos ONE rack mount version 60TS1R **\$1050.00**

Telos ONE modem case version 60TS1 **\$890.00**

Telos ONE plus ONE 60TS11 **\$2180.00**

Telos Auto-Answer/Telos Super Auto-Answer Hybrid Accessories

The Auto-Answer board has simple line SEIZE and DROP. The Super Auto-Answer features remote control of line SEIZE and DROP, selectable number of rings before answering, dial tone detector for failsafe line drop, DTMF decoder with open collector outputs, and other features. A special Super Auto-Answer version allows users of 1A2 Key Systems to select phone lines using a standard multi-button desk set.



Either accessory can be used with the Telos 100 Delta, ONE, and ONE plus ONE. The same part fits all units.

Telos Auto-Answer 60TS1AA **\$50.00**

Telos Super Auto-Answer 60TS1SAAXX **\$150.00**

Telos ONE-x-Six



Never before has Telos Systems offered this level of performance at such a low price. The ONE-x-Six Talk Show System has all of the phone interface gear needed for talk show programming. A compact housing holds both a Telos ONE digital hybrid and a six-line broadcast phone system; a separate desktop Switch Console is included for system control.

Use the ONE-x-Six to place calls, put callers on hold or on the air, and to conference. The system has that fine Telos performance: sophisticated automatic gain control, super trans-hybrid loss of better than 40dB, program on hold feature, and many special functions like control of external recorders and delays. A standard phone set can be used for call screening; just select the line to be screened by pushing one button on the Switch Console. (For more advanced screening by computer, order the optional Telos Call Screen Manager software, shown on previous page.)

The ONE-x-Six is ideal for talk shows that seek Telos quality but don't need the even greater sophistication of the Telos Direct and 1A2 Interface Modules.

ONE-x-Six 60TS1X6 **\$2180.00**



Gentner Digital Hybrid 1a



The Digital Hybrid 1a brings Gentner's superior telephone performance to applications where cost is as significant as audio quality. The DH-1a incorporates an improved hybrid circuit and digital signal processing technology for consistent and superior audio. You'll appreciate the interface's 16 bit processing with 2x oversampling, 10kHz sampling rate, automatic and continuous nulling, adjustable caller control (ducking), internal test tone generators, remote control capability, and single-space rack mount design.

Benefits you can expect from the DH-1a include reduced noise and distortion, excellent separation between send and receive audio, complete talent control over conversations, and easy installation and operation. The DH-1a is intended for use



with a single telephone line, but can be used with up to five lines by adding Gentner's TeleSwitch. Contact your Bradley telephone specialist for configuration assistance.

DH-1a 60GEDH1 MFR LIST \$1049.00

Call Bradley for a current price quotation.

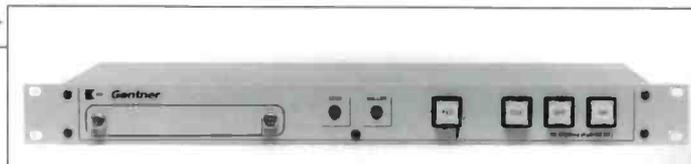
Gentner Digital Hybrid III



The Digital Hybrid III is classic Gentner: it's elegant, it's simple to operate, and it sounds superb. This is the next generation of a popular Gentner digital hybrid, and it incorporates all of the features of the SPH-5 analog unit, shown on page 104, including REC and CUE, plus some important extras.

Automatic re-nulling allows the hybrid to be connected to a multi-line phone instrument used as an on-air selection device. Auto answer/auto disconnect, auto nulling, caller alert tone, and quiet line switching on new line selection are also included on the DH-III.

Studio inputs and outputs are on XLR connectors. Like all of Gentner's single-line hybrids, the DH-III occupies one standard rack space.



DH-III 60GEDH3 MFR LIST \$1895.00

Call Bradley for a current price quotation.

Gentner TeleSwitch Call Director

Finally ... a simple telephone call director at an affordable price. Gentner's TeleSwitch is the logical solution to your basic telephone line selection needs. Up to five lines can be connected, placed on hold, and routed to your telephone hybrid. TeleSwitch operation is similar to a multi-line phone, so no training time is required. Connections are made with standard RJ-11C modular jacks. Connection to all popular hybrids is easy. Other features include a conferencing mode, a hold audio input, and a telephone set connection. TeleSwitch is compatible with almost any phone system. This one box solution will help you get more out of your call-in program segments.

TeleSwitch 60GETS MFR LIST \$995.00

Call Bradley for a current price quotation.

Accessory:

Pre-wired cable to connect TeleSwitch to hybrid. Specify model of hybrid being used.



61GE830002XXX MFR LIST \$26.20

Henry Telecart II

The Telecart II allows virtually any cart machine to auto-answer a phone line with your pre-recorded message. All cart machine connections are opto- and relay-isolated. Failsafe design prevents the line from being answered unless the cart is cued and ready to play. Also, if a caller hangs up before the entire message has played, the Telecart II will hold the line "busy" until the cart has re-cued. Then the line is released and a new call may be received. The audio circuit is transformer coupled to the phone line for isolation and protection. A-lead control is provided for use with key systems. A digital call counter registers up to 9,999 calls. Built-in power supply.

Telecart II 60HETC MFR LIST \$225.00

Call Bradley for a current price quotation.



Henry Engineering MixMinus Plus

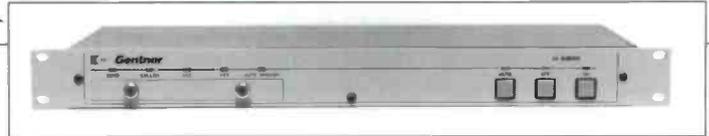
The MixMinus Plus is designed to add a "mix-minus" output to a broadcast console suitable for feeding to the send input of a telephone hybrid. One input of this unit is fed with the console output, the other takes hybrid receive audio. These two signals are subtracted using phase reversal to create a program mix, minus the receive audio. Initial null adjustment will provide 40dB rejection of the receive audio signal. The MixMinus Plus can expand the capabilities of your present console and make hybrid installation a breeze.

Mix Minus Plus 60HEMMP MFR LIST \$195.00

Call Bradley for a current price quotation.



Gentner G2500 & G3200 Digital Hybrids



Gentner touts the G2500 as a hybrid revolution, and we can see why: this digital unit can be used with any audio board or console. Unlike some hybrids, the G2500's Auto Mix Minus permits you to feed program output down the phone line, even when the output contains caller audio. The unit automatically removes the caller audio from its feed path. Automatic answer/disconnect, nulling, re-null on new line selection, RS-232 control, and single-cable conferencing with another G2500 allow you to use it in a range of applications. An acoustic echo suppressor further reduces the chance of feedback.

The G3200 is intended for large talk studios or talk shows with a live audience. Digital acoustic echo cancellation removes caller audio from its send path, thus preventing feedback from the studio speakers. When the echo cancellation function is not required, it can be used as an auto mix-minus generator. The G3200 incorporates the same automatic features of the G2500 plus a built-in auto mixer (up to three mics) and power amp.

Quiet line switching, caller alert tone, and LED level indicators are standard on both units. Studio inputs and outputs are on XLR connectors; the G3200 also provides a 1/4" phone connector output.

G2500	60GEG2500	MFR LIST	\$1995.00
G3200	60GEG3200	MFR LIST	\$2495.00

Call Bradley for a current price quotation.

Radio Systems TI-101

Radio Systems has brought back the familiar TI-101 telephone interface, formerly from Symetrix. It's the same proven, reliable hybrid, with easier to use knobs and a different color. The TI-101 connects pro audio mixers to phone lines and eliminates feedback and gating problems. Caller EQ, send limiter, caller mute, and conference linking are standard features. Connections are XLR for audio, banana posts for phone.



TI-101	60RSTI101	MFR LIST	\$495.00
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Call Bradley for a current price quotation.

Eventide BD941/BD942 Broadcast Delays

Even stations with only occasional live talk show programming can afford a reliable Eventide obscenity delay. The mono BD941 and stereo BD942 are full 20kHz bandwidth. When a "no-no" is uttered, simply hit the Delete button on the front panel or via a remote closure. This control both bypasses the delay line and closes a relay contact to start your filler material. The mono delays are available in 6 and 12 second versions, and the stereo units offer 3 or 6 seconds. These units have balanced inputs and outputs, and specifications that don't compromise audio quality. Now you can relax knowing that "#*%!!!" will never be heard on your station.



Mono, 6 sec delay	60EVBD9416	MFR LIST	\$1795.00
Mono, 12 sec delay	60EVBD94112	MFR LIST	\$2195.00
Stereo, 3 sec delay	60EVBD9423	MFR LIST	\$1995.00
Stereo, 6 sec delay	60EVBD9426	MFR LIST	\$2395.00

Call Bradley for a current price quotation.

Eventide BD980 Broadcast Delay

This two channel stereo delay provides 20kHz bandwidth and 90dB of dynamic range with less than 0.02% 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 delay entry/ext modes require only the push of a button to move from real time to delay, or vice versa. Delay is adjustable up to 10 seconds, and the BD980 can be remote controlled conveniently.



BD980	60EV980	MFR LIST	\$5495.00
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Call Bradley for a current price quotation.



Tripp Lite Modem/Phone Protection



This small investment is a good extra level of protection for your phone hybrid, modem, or FAX machine. The TSB is an economical three-stage unit to protect your devices and lines from damaging transient spikes. Direct plug-in. From "The Power People" at Tripp Lite.

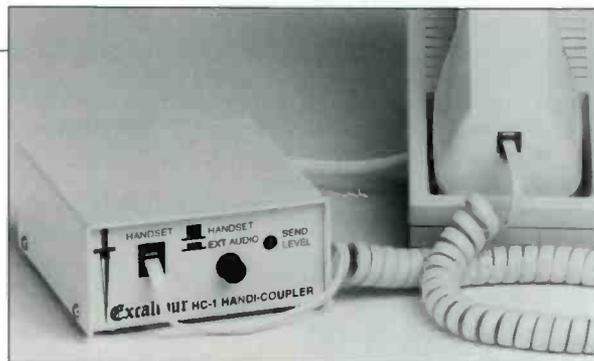
TSB Modem/Phone Line Protector
 60TPTSB MFR LIST \$59.95
 Call Bradley for a current price quotation.



Excalibur HC-1 Handi-Coupler

The HC-1 Handi-Coupler gives you the simplest, quickest, most convenient way to connect audio to a telephone. The HC-1 connects in series with the handset of any telephone using modular connectors. Since a connection to the telephone line is not required, the HC-1 can be used with almost any telephone in single or multi-line, modern electronic or older key systems. Pressing the front panel button disconnects the handset and connects the external audio in/out jacks to the telephone. Releasing the button reconnects the handset, allowing normal use of the phone. External audio is connected via separate in and out jacks. Both inputs and outputs are 1/4" TRS jacks wired so that you may connect either balanced or unbalanced connectors into them.

The Handi-Coupler is ideal for use in many locations around the station: on-air, production, the newsroom, the sales office, field reporters' kits, sports remotes, etc. Its low price lets you put an HC-1 everywhere one is needed.



HC-1 60EXHC1 \$99.00

Gentner Hybrid Coupler and Auto Coupler

Gentner Hybrid Coupler

This compact unit provides an easy and inexpensive way to get audio on and off a phone line. The Hybrid Coupler connects directly to a phone line via a modular jack, and provides a loop-through to a telephone set. A three position front panel switch allows the Hybrid Coupler to seize the line, simply tap the circuit, or be turned off. Its hybrid coil provides approximately 10dB of separation between send and receive audio, adjustable with a front panel trimmer. The coupler is a passive device requiring no external power.

Hybrid Coupler 60GEHC MFR LIST \$179.00

Gentner Auto Couplers

These units are auto-answer, auto-disconnect units allowing simultaneous send and receive audio transmission upon connection. Balanced 600 ohm connections are provided for both send and receive audio, and a null trimmer pot maxi-

mizes isolation. Upon loop drop, this version hangs up the phone line. A special "CP" version is used on phone lines where the telephone company does not provide the loop drop signal. The call progress decoder disconnects on dial tone, busy signal, recorder signal, or ringback. Units operate on 117VAC from a provided external power supply.



Auto Coupler 60GEAC MFR LIST \$319.00
Auto Coupler CP 60GEACCP MFR LIST \$319.00

Call Bradley for a current price quotation.

Comrex Telephone Couplers

These couplers provide clean, transparent transformer connections from telephone lines to external audio equipment. Designed for send-only or receive-only applications, they have modular telephone jacks for the phone line and for a telephone set.

The TCB-1A Manual Coupler provides a switched hold connection. Unbalanced audio in/out is by a single 1/4" TRS connector and the unit does not require powering. The TCB-2A Auto-Answer Coupler automatically answers the telephone line on the first ring and disconnects that line when the calling party hangs up. For customers whose central offices do not provide loop drop, an optional dial tone detect board is offered. External power supply is required.

TCB-1A Manual Coupler 60CCTCB1 MFR LIST \$150.00
TCB-2A Auto-Answer Coupler 60CCTCB2 MFR LIST \$295.00



Accessories:

Dial tone detector for TCB-2A 60CCDTD MFR LIST \$125.00
AC power supply for TCB-2A. Powers four couplers.
 60CCACP2 MFR LIST \$25.00

Call Bradley for a current price quotation.

The Telos Link

When you're doing remote location production, wouldn't it be great if you could use a dial-up telephone line to connect intercom systems at each end? The entire crew could then communicate as smoothly and effortlessly as if they were together in the studio. Impossible? Perhaps you've tried jury-rigging with multiple boxes and found the results disappointing with complaints of poor level and feedback.

The Telos Link is designed to solve the problems of connecting intercom systems to dial-up telephone lines. It uses the same Telos adaptive digital hybrid technology that is used to improve talk shows and teleconferencing in installations throughout the world.

The Link allows natural, full-duplex communication without level or feedback problems. Digital, auto-nulling hybrids are on both the telco and communications paths, so neither party misses a single syllable the other is saying. A powerful digital processor is used to perform all audio processing functions, including automatic gain control, smart gain switching to enhance hybrid performance, high pass filtering to reduce hum and interference, pitch shifting for feedback reduction, and call signal generation. The result of this technology is significantly improved communication capability.

Installation and operation are simple. The Link features a built-in interface for RTS, ClearCom, and other intercom systems. Once installed, you never have to think about it again. Other features include a "wet" single channel operation option to provide power to belt packs and metering for both intercom and telco levels. A useful feature is the built-in auto-answer function. With it, field personnel can simply call in to be connected without operator intervention. Whether at Shea Stadium, on the floor of the Japanese stock exchange, or from a cellular phone anywhere in the world, your crew is instantly connected with the Link. Rack mounting kits are available.

The Link 60TS1L \$1680.00



Also Available: Telos ONE Intercom Versions

Two firmware versions of the Telos ONE have been created especially for intercom applications. Version 4.0 is widely used with RTS, McCurdy, ClearCom, and other four-wire intercom systems to interface with dial-up phone lines. It is often used with the Super Auto-Answer Board for DTMF control of intercom functions.

Firmware version 6.0, which also incorporates a minor hardware modification, is used to interconnect RTS, ClearCom, and other two-wire intercom systems with four-wire intercom systems. All users benefit from the full-duplex communication path between the systems.

Single and dual rack mount kits are optionally available.

Telos ONE Intercom	60TS1M	\$890.00
Telos Super Auto-Answer	60TS1SAAXX	\$150.00

Communications Headsets

Whatever your communications needs, Bradley can provide you with the headset and headphone products you need. Beyer, Telex, RTS, and other manufacturers offer a wide variety of headset models, and Telex earbuds and earsets are available for IFB. We also provide replacement parts, cables, and connectors to keep your current units in working condition.



Motorola Spirit Two-Way Radios

Motorola Spirit two-way radios provide reliable, clear performance for up to two miles. Better communications can help make your time more productive on remotes, during stage set-ups, and any time your crews need to keep in touch.

Several models and a variety of accessories help you tailor a system to your needs. The basic Spirit 2-Way operates on the VHF band using open squelch. The Spirit Pro, available as a VHF or UHF unit with either open or coded squelch, also includes an audio accessory jack and hands-free operation with an optional accessory. The deluxe Spirit III is a two-channel unit, available for UHF or VHF. All models include a rechargeable Ni-Cad battery and charging adapter.

Since Spirit radios start at \$225, you can't afford to be without them! Contact your Bradley professional for more details on Spirit radios and for licensing and frequency information.

Call Bradley for a current price quotation.



RTS Series 2100 Wireless Intercom

The RTS Series 2100 is designed to provide clear, clean communications without wires. It is a complete wireless system that operates in the 150 to 216MHz band, protected from external radio and electrical interference. Four belt pack transceivers can operate with the Model 2105 base station, and when two base stations are chained together, up to eight headset stations can be tied into a full duplex communication network. The rugged and lightweight Model 2110 belt packs offer up to 24 hour operation on a single battery and numerous operator convenience features. Two belt pack transceivers form a simple, two person link, and the Series 2100 is easily used as an extension to your hard-wired intercom for unlimited possibilities.

2105 base station	60RT2105	MFR LIST	\$1625.00
2110 transceiver	60RT2110	MFR LIST	\$550.00



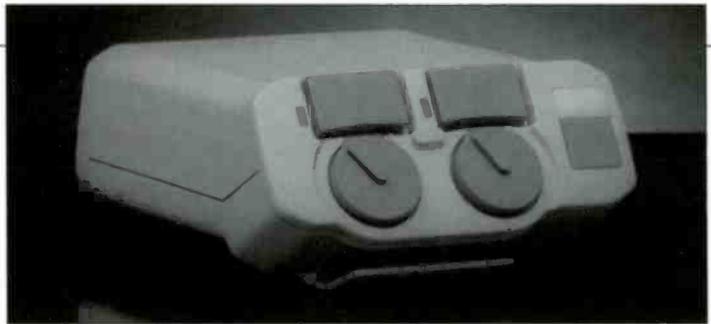
Also available:
Series 2200 wireless cue system improves delivery of cues to your talent. Multiple receivers at multiple VHF (72 to 76MHz) frequencies are possible.

RTS TW Intercom Systems

The right intercommunication system can make the difference for a successful production. RTS intercoms prove themselves every day in teleproduction, broadcast, and commercial and industrial applications. RTS two wire systems have over 25 available components allowing the broadest variety of configurations. Users are able to conduct two channels of conversation through standard two-conductor cable.

The modular packaging of the MCE325 four channel, user programmable intercom station allows it to be used in any of five arrangements: rack mount or portable headset station, rack mount or portable speaker station (with inclusion of the MCS325 Modular Speaker), or console mount headset station. Programming functions allow use in conference line or dedicated line environments, in two-wire or four-wire mode, or in a combination of both.

The fourth generation BP325 Portable Headset Station boasts enhanced analog performance and powerful microprocessor control of its digital functions. User oriented features include a microphone limiter, three headphone amps, silent channel selection switching, and simplified controls. The BP325 is the one portable headset station for all of your applications because it includes call-signal indication, can accommodate nearly any headset, and has channel programming to suit the needs of every production.



Also available from RTS are the Series 800 microprocessor-assisted, programmable master stations, Series 4000 IFB system, and several other models. Whatever your intercommunication requirements, let Bradley specify an RTS system that will meet your technical requirements and your budget.

Bradley accepts MasterCard, Visa, and Discover for your convenience.

Technics SL-1200MKII

This turntable is a standard in broadcast and disco use. Its features include quartz lock, slide fader pitch adjustment of $\pm 8\%$, acoustic isolation, 0.7 second startup time, stylus illuminator, and speed strobe indicator. The SL-1200MKII is a complete system that includes tonearm, base, and dust cover. The direct drive mechanism provides the lowest noise and rumble obtainable in this price range. (Requires a cartridge and preamp; see next page.)

SL-1200MKII	60TC1200	MFR LIST	\$499.95
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Call Bradley for a current price quotation.



Phono Preamplifiers

ATI P-100S Encore Preamp

This phono preamplifier provides the excellent performance for which ATI is known in an economical, no-frills enclosure. Our Best Seller!

P-100S 60AIP100S *MFR LIST* \$319.00

Logitek BPA-200 Preamp

The accuracy of this passive EQ preamp makes it the right choice for highest quality disc-to-cart transfers and on-air use.

BPA-200 60LTBPA200 *MFR LIST* \$399.00

Stanton 310B Phono Preamp

A high quality, low noise phono preamp, the 310B has switch selectable NAB/flatt response curves and rumble filter.

310B 60ST310 *MFR LIST* \$295.00

RDL Stick-on Preamp (described on page 94)

ST-PH1 60RDSTPH1 \$104.95

DC Power Supply (required) 60RDXFMR \$13.95



ATI P-1000 Microamp Preamps

The P-1000 can make an audible difference in your audio chain, thanks to precise equalization, high slew rate, and low distortion and noise.

Transformer outputs 60AIP10001 *MFR LIST* \$399.00

Balanced differential outputs 60AIP10002 *MFR LIST* \$389.00

Stanton Phono Cartridges

Our most popular Stanton professional cartridges are listed below. Call your Bradley professional for selection assistance and for replacement styli for all Stanton models.

Model	Part Number	Tracking Force	Stylus Type	Price	Replacement Stylus	Price
881MKIIS	60ST881S	.75-1.5 grams	Stereohedron	95.00	60STD81S	59.00
680EL*	60ST68EL	2-5 grams	Elliptical	69.00	60STD6800EL	29.00
500AL	60ST50AL	2-5 grams	Spherical	22.00	60STD5107AL	14.00
500EMKII	60ST500E	1-2 grams	Elliptical	19.00	60STD50E	16.00

* Packed with two styli



Also available:

Disco pack: 3 replacement styli for 680EL	60STD68	\$65.00
Matched Pair - 680EL cartridges	60ST68ELMP	\$99.00
500AL cartridge disco packed w/2 styli	60ST50ALDP	\$29.00

Shure Phono Cartridges

Model	Part Number	Price	Replacement Stylus	Styli Qty Per Pkg	Price
M44-C	60SHM44C	\$21.00	61SHN44C	1	12.50
M44-7	60SHM447	21.00	61SHN447	1	12.50
SC35-C	60SHC35	35.00	61SHS35	1	14.00



Bradley stocks the wide range of Shure cartridges and styli. Listed are our most requested models. Call us with your requirements. Replacement styli are available for all discontinued cartridges.

Discwasher Record Care Products

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. D4 cleans without building up residue on the record surface.

61DID4S \$17.99

SC-2 Stylus Care System

The SC-2 includes a precision nylon brush and a stylus-safe cleaning liquid.

61DISC2 \$7.25

Discwasher Refills

D4 fluid six ounce bottle 61DID4R6 \$7.60
SC-2 fluid 3.5 ounce bottle 61DISC2R \$1.95



Bradley PA Systems

Bradley PA System I (Mono)

The Toa MX-101 is an affordable powered mixer perfect for smaller rooms. It features four inputs, each with both 1/4" TS high impedance and XLR low impedance connectors as well as EQ. Output is 75 watts into 4 ohms, and the MX-101 has an internal spring reverb and a three band EQ on the output stage. We've coupled it with a pair of Toa SL-120 speakers (described on page 114) and two 50' speaker cables.

Package 9421

\$679.00 plus freight



Bradley PA System II "The Entertainer 100" (Stereo)

This system has it all: power, performance, and portability. The EV 100M powered ten input stereo mixer delivers 100 watts per channel continuously into 8 ohms at less than 0.02% distortion, while the patented EV Powerlock limiter and massive external heat sinks provide substantial protection against overdriving the amp or burning up the speakers. The mixer section provides three-band EQ, peak indicators, pan pots, separate effects and foldback sends, and variable input pads. Individual slide faders are provided for left, right, and monitor busses. Dual eight band graphic equalizers and bright fluorescent bar graph meters make setup quick and easy. The speakers are the lightweight EV 100S, with virtually indestructible cabinets. 100° high frequency dispersion provides uniform coverage without "hot spots." 80Hz to 18kHz (±3dB) with usable response 50Hz to 20kHz. 100 watts continuous. Speakers measure 24"H x 15"W x 8.4"D and weigh 28 pounds. Retail price is over \$2900.00.

Package 9422

\$1859.00 plus freight

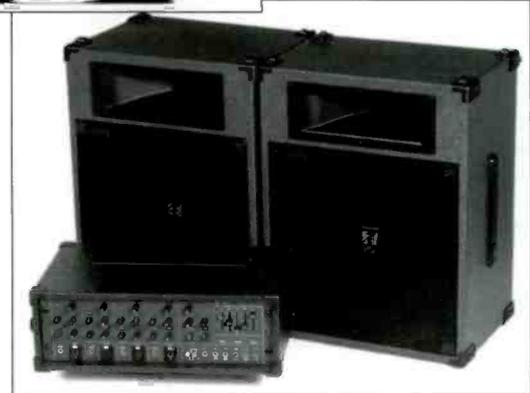


Bradley PA System III (Mono)

The Toa MX-401 is a high performance, four channel mixer. Each channel has a 1/4" TS high impedance input as well as an XLR low impedance input. Controls include level, high and low frequency EQ, reverb, and monitor. The master section features a five band graphic EQ with 12dB cut/boost, built-in auto-compressor, reverb, monitor, and auxiliary level controls plus a selection of jacks for patching signal processing equipment. At 8 ohms, the MX-401 delivers 100 watts RMS. Our package includes a pair of Toa SL-150 speakers (described on page 114) and two 50' speaker cables.

Package 9423

\$889.00 plus freight



Anchor Liberty

The Liberty is a self-contained portable sound system available in both AC and battery powered versions. It features a MOS-FET power amp, two XLR mic inputs with 15VDC phantom power, aux line input, line level output, two band EQ, and an external speaker output. Anchor's AC powered MPA-4500 delivers 75 watts. The MPB-4500 gives you 50 watts of amplification and has an internal rechargeable battery that runs for four hours per charge.



MPA-4500 AC powered

60ANMPA4500

\$839.00

MPB-4500 Battery powered

60ANMPB4500

\$929.00

Anchor Mini-Vox

The Mini-Vox is a powerful, over-the-shoulder portable PA system that can project crystal clear voice commands for hundreds of feet. This pint-sized powerhouse weighs less than five pounds and features an integrated amplifier that delivers 15 watts to its powerful 5" speaker. Available in red and black.



Mini-Vox

60ANPB25X

\$225.00



Ashly MOS-FET Power Amplifiers



FTX Series Amplifiers are MOS-FET fan-cooled devices with smooth transconductance curves, running at a relatively high idle current to prevent crossover notch distortion. They provide virtually infinite power gain, which promotes stability and low distortion when driving reactive loads like loudspeakers.

The FTX-1000 gives 120 watts RMS per channel at 8 ohms, and 190 watts into 4. The FTX-1500 puts out 200 watts and 300 watts, respectively; the FTX-2000 punches out 300 and 500 watts (and into 2 ohms, almost 700 watts!). All can be mono bridged, at a power rating of twice their 4 ohm specification. The FTX-1000 and 1500 occupy two rack spaces; the 2000 takes three. All units provide barrier strip, 1/4" TRS, and balanced XLR connectors.

The Power Card Series of options install easily into Ashly's FTX Series, CFT-1800, and P70 series of amplifiers. They include:

- *Mic/Line Mixer with two stereo or four mono line inputs, plus two mic inputs and switchable phantom power;
- *Compressor/Limiter with adjustable threshold;
- *Two-way Crossover with 24dB/octave filters and low-cut feature.

FTX-1000	60ASFTX1000	MFR LIST	\$840.00
FTX-1500	60ASFTX1500	MFR LIST	\$960.00
FTX-2000	60ASFTX2000	MFR LIST	\$1200.00



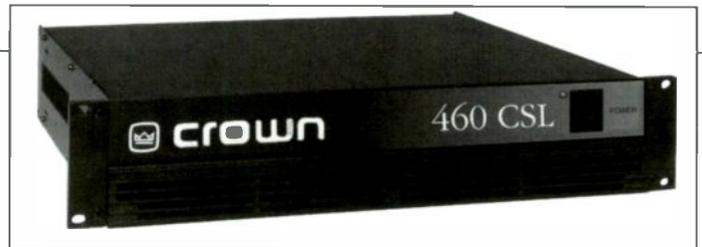
Power Card Options:

Mic/Line Mixer Module	60ASMM6	MFR LIST	\$224.00
Compressor/Limiter Module	60ASXRI	MFR LIST	\$139.00
Crossover Module	60ASCL2	MFR LIST	\$139.00

Call Bradley for a current price quotation.

Crown CSL Amplifiers

Crown's reputation for sonic accuracy and bullet-proof performance is obvious in the CSL-460 and CSL-800. A computer designed heat sink/fan combination dissipates heat efficiently to protect the amps, while Crown circuitry provides full protection from output shorts, mismatched loads, RF burnout, input DC, and input overload. The CSL-460 puts out 200 watts per channel into 8 ohms, and the CSL-800 puts out 320 watts per channel into 8 ohms. Other specifications, which are common to both units, are S/N ratio 103dB @ full output and 26dB gain; response ±0.5dB, 20Hz to 20kHz; harmonic distortion, less than 0.1% at rated output into 8 ohms, both channels driven; IM distortion, less than 0.05% at rated output into 8 ohms, both channels driven; and damping factor greater than 1100. Input connectors are 1/4" TRS jacks and output connectors are binding posts.



CSL-460	60CRCSL460	MFR LIST	\$849.00
CSL-800	60CRCSL800	MFR LIST	\$1079.00

Call Bradley for a current price quotation.

Crown Micro/Macro

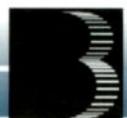
The Crown Micro-Tech series is the next step up from the CSL series amps. The Micro-Tech series features a huskier power supply, higher output power, and front panel indicators for the high voltage supplies. The Micro-Tech 600 delivers 215 watts per channel and the Micro-Tech 1200 puts out 295 watts, both into 8 ohms with both channels driven. Frequency response, distortion, and noise are similar to the CSL series.

At the top of Crown's line is the Macro-Tech series of miniaturized high technology sound reinforcement amplifiers. These are the amplifiers on which top sound industry professionals rely. Front panel indicators provide information on the high voltage power supplies and the Input/Output Comparator warns of clipping. Also provided are front panel level controls for each channel. The Macro-Tech 600 delivers 215 watts per channel, the 1200 delivers 295 watts per channel, while the 2400 delivers 515 watts per channel, all into 8 ohms, both channels driven.

Call Bradley for a current price quotation.



Micro 600	60CRMT600	MFR LIST	\$995.00
Micro 1200	60CRMT1200	MFR LIST	\$1295.00
Macro 600	60CRMA600	MFR LIST	\$1295.00
Macro 1200	60CRMA1200	MFR LIST	\$1595.00
Macro 2400	60CRMA2400	MFR LIST	\$2095.00



Yamaha Power Amplifiers

At the top of Yamaha's line of amps is the PC4002M. Capable of 430 watts per channel into 8 ohms or 700 watts into 4 ohms, this amp is designed for precision output. Response is 10Hz to 50kHz, ±1dB. Twin, two speed, thermostatically controlled fans, mono mode, dual power supplies, full protection circuitry, detented input attenuators, large illuminated peak meters, and both XLR and 1/4" TRS inputs are among the outstanding features. The PC4002M is for anyone who takes sound seriously.

For more moderate powering requirements, Yamaha and Bradley offer the P2700 (350 watts per channel into 8 ohms), the P2350 (175 watts per channel), and the P2160 (80 watts per channel). All three use simple yet sophisticated designs you can count on. Distortion, noise, and channel separation specs are excellent, and electronic and thermal protection circuitry is incorporated. The P2700 and P2350 are fan cooled; the P2160 is convection cooled. Front panel, detented level controls are provided, and input connectors are both XLR and 1/4" TRS.

Call Bradley for a current price quotation.



PC4002M	60YAPC4002M	MFR LIST	\$2899.00
P2700	60YAP2700	MFR LIST	\$1149.00
P2350	60YAP2350	MFR LIST	\$949.00
P2160	60YAP2160	MFR LIST	\$729.00

Community CSX Series Speakers

CSX speakers not only deliver exceptional sonic quality, but are designed to do it night after night. Ferro-fluid cooling of the LF drivers enables them to withstand the rigors of long term, high power use. Internal fuseless protection guards against excessive input levels, while sophisticated filters provide a smooth crossover curve between transducers. The CSX cabinets sport an attractive, durable black carpet finish. Our best sellers are described below.

The CSX25 is the smallest of the series, with a twelve inch two-way configuration. 32 pounds, 18.25"H x 15"W x 13.5"D.

The CSX35 is slightly larger than the 25 and uses a 15" woofer and a larger cabinet volume to produce a more solid low frequency response. 43 pounds, 23.75"H x 17.25"W x 13.5"D.

The CSX52 has a smooth, three-way design which allows for a more honest reproduction of the important mid-range frequencies, while still using a 15" woofer to produce gratifying low frequency response. These cabinets sound like Hi-Fi speakers, yet they will develop tremendous sound pressure levels. 82 pounds, 33.5"H x 18"W x 18"D.

Call Bradley for a current price quotation. Other Community models are available.



CSX25	60COCS25	\$212.00
CSX35	60COCS35	\$253.00
CSX52	60COCS52	\$438.00

TOA Speakers

TOA's two great lines of reinforcement speakers are constructed to withstand the punishment of the road. The "SL" series consists of the SL-120 with a 12" woofer and the SL-150 with a 15" woofer. Both use a constant directivity 90° horn with a piezo high frequency driver. The SL-120 weighs 29 pounds and measures 20.3"H x 14.8"W x 12.1"D. The SL-150 weighs 36 pounds and measures 23.5"H x 18"W x 12.1"D. Both are 8 ohms and are capable of handling 240 watts of continuous power. Monitor versions are also available.

The "SD" series consists of the 380SD and the 300SD. The 380SD uses a 15" woofer, weighs 60 pounds and measures 26.8"H x 19.4"W x 15.4"D. The 300SD uses a 12" woofer, weighs 47 pounds, and measures 23.1"H x 18.1"W x 12.3"D. Both models are 8 ohms and handle up to 360 watts.

Call Bradley for a current price quotation.



SD Series

SL-120	60TOSL12	\$225.00
SL-150	60TOSL15	\$265.00
300SD	60TO30SD	\$459.00
380SD	60TO38SD	\$509.00



Yamaha EM1620 Powered Mixer

The remarkably small and light EM1620 produces a monaural power rating of 200 watts into a 4 ohm load or 120 watts into 8 ohms. It's perfect for small to medium reinforcement, church, school, or club applications. The six full feature input channels have Hi-Z (1/4" TS) and electronically balanced Lo-Z (XLR) inputs, 48 volt phantom power, effects and monitor sends, and a three band EQ. The master section includes the mono master, the effects and monitor masters, and a seven band graphic EQ for feedback control and acoustic compensation. The variable speed internal side vented fan ensures cool and quiet operation even during all-day shows. The EM1620 is three rack units high and is only 13 1/2" deep. Distortion, response, and noise specs are solid.

EM1620 60YAEM1620 *MFR LIST* **\$799.00**



Call Bradley for a current price quotation.

Yamaha EMX Series Powered Mixers

Yamaha's original EMX powered mixers made history because of their features and performance. The latest EMX mixers are available in eight and twelve input versions. The high performance power amp sections provide up to 160 watts per channel (stereo) into 8 ohms. Each mixer input provides variable input attenuation, a three band EQ, two auxiliary sends, a pan control, and a linear fader. 48V phantom power is available on all inputs. The master section contains the master faders and auxiliary sends, a stereo nine band graphic EQ, and a digital multi-effects processor with 15 top quality reverb, delay, and echo effects. All mixer, graphic EQ, effects processor, and power amp inputs and outputs appear on the rear of the unit. Large heat sinks and forced air cooling will let you run this desk all day at a remote with no headaches. Its rugged construction is built to take the hard knocks.

EMX-2200 60YAEMX2200 *MFR LIST* **\$1999.00**
EMX-2300 60YAEMX2300 *MFR LIST* **\$2199.00**



Call Bradley for a current price quotation.

Bradley offers a complete range of mixing consoles. Mixers for broadcast, production, and utility use can be found in our Consoles section. Look in Field Production for portable mixers.

Ultimate Support Stands

Ultimate TS-30T can be varied in height from 3'6" to 6'7", and will support up to 75 lbs.

Silver 61USTS30T **\$78.00**
Black 61USTS30BT **\$90.00**

Ultimate TS-33T will extend to over 9' and support 100 pounds, yet it weighs only eight pounds! (pictured)

Silver 61USTS33T **\$93.00**
Black 61USTS33BT **\$108.00**

Accessories:

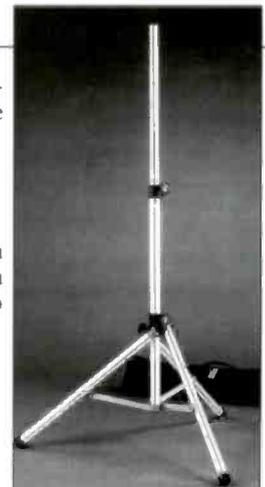
TAD-138 1 1/2" diameter tripod adapter is used with same sized sockets provided by Community, EV, Toa, and others.
 61USTAD138 **\$8.20**

BMB-200K attaches speakers with built-in threaded inserts spaced 4 1/2" to 6" apart, such as those provided by Bose. Mounting screws not included.

61USBMB200 **\$16.40**

TMB-400K is a unique two part mounting system that consists of a thin plate (screwed to the bottom of the speaker) and a slide-in bracket (attached to the top of the tripod). Mounting screws included.

61USTMB400 **\$15.60**



Whirlwind Cable Reels



Simple in design, durable and convenient, these reels make quick work of stowing your cables. For professional applications, they are a necessity, and are available in sizes to handle any job.

- (1) **WD-3S** Capacity: 3675' of 1/4" OD cable.
61WHWD3S **\$319.00**
- (2) **WD-3** Capacity: 2100' of 1/4" OD cable.
61WHWD3 **\$295.00**
- (3) **WD-2** Capacity: 1640' of 1/4" OD cable.
61WHWD2 **\$169.00**
- (4) **WD-1** Capacity: 640' of 1/4" OD cable.
61WHWD1 **\$129.00**

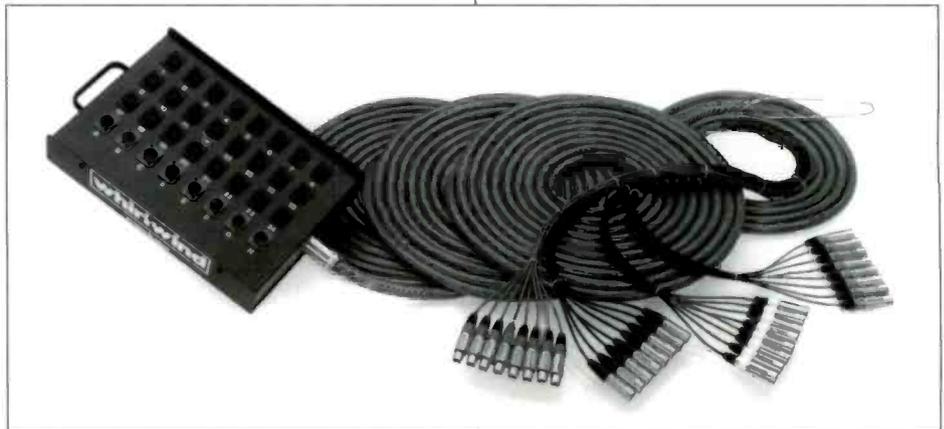
Note: Capacities for larger outer diameter cables sometimes cannot be computed accurately using the figures quoted for 1/4" cable. Call your Bradley professional for configuration assistance.

Shurtape Gaffer's Tape



Bradley features genuine Shurtape Gaffer's tape. This standard of the broadcast, motion picture, and theater industries is indispensable for taping cables, carpets, scenery, and a million other jobs. A strong adhesive, which will stick to just about anything, coats this flexible fabric tape. And even better, the tape peels up quickly and cleanly after the gig, leaving no indication that you were there.

- 2" wide, grey 180' 61STGY2 **\$13.50 per roll**
- 2" wide, black 180' 61STBK2 **\$13.50 per roll**
- SPECIAL! Buy six rolls of Shurtape for only \$64.80**



Whirlwind Medusa Multipair Systems

Whirlwind's Medusa systems are individually hand crafted from the finest components available: heavy gauge cold rolled steel stage boxes, thick jacketed ultra-flexible cable, mil-spec strain reliefs, premium grade PVC shrink tubing, and Whirlwind designed connectors. Each Medusa system features 100% foil shielding and numbered, color coded fan-outs for rapid, easy set up. All of this, plus the painstaking attention to detail in assembling Medusa snake systems, has made them the finest multiwiring systems in the world. Medusa snakes are available in 6 to 52 channel configurations, plus specialized versions for multitrack recording systems and for powered mixers. Call Bradley for additional information and pricing on the wide variety of Medusa cables available to you.

Standard Medusa Series		
50' - 6 in, 3 out	61WHMS63XL50	\$155.00
100' - 8 in, 4 out	61WHMS84XL100	\$239.00
100' - 12 in, 4 out	61WHMS124XL10	\$285.00
100' - 16 in, 4 out	61WHMS164XL10	\$345.00
100' - 24 in, 8 out	61WHMS248XL10	\$539.00

Medusa Power Series		
Incorporates two runs of 14 gauge speaker wire built into, but totally shielded from, the mic and monitor lines that surround them. Ideal for use with powered mixers.		
100' - 8 mics, 2 speaker, 1 monitor.	61WHMP8100	\$335.00
100' - 12 mics, 2 speaker, 2 monitor.	61WHMP12100	\$445.00

Medusa Cable Reels

A unique heavy duty steel windup storage caddy designed for Medusa systems.



- Small capacity, 795' of 1/4" OD cable.**
61WHMEDWHS **\$115.00**
- Large capacity, 1150' of 1/4" OD cable.**
61WHMEDWHL **\$139.00**

Sonic II Hearing Protectors

These protectors reduce the sound pressure level by 6dB without restricting your normal ability to hear the full audio spectrum of highs and lows. Packed in a plastic box with key chain attachment.



42NOSON2 **\$6.95**

Also available:
Norton Noise Hushers are disposable ear plugs, made of foam rubber. 42NOD1 **99¢/pr**

Bradley's professionals can help you design a multiwiring system that fits your bill perfectly. Just give us a call at 1-800-732-7665.



Orban Optimod-FM 8200 Digital Processor

The Optimod-FM 8200 is a technological breakthrough with bottom line impact. All processing and control functions are in the digital domain. In addition to improved sound, the 8200 offers more flexible and user-friendly programming. This produces benefits for your station because the 8200 can be more easily adapted to your station's needs.

A complete system, the 8200 provides automatic gain control, compression, peak modulation control, and stereo encoding. With the 8200's Multiple Variable Processing (MVP) architecture, processing configurations can be changed by pushing a button. For total transparency, select the protection MVP. The two-band MVP offers an improved version of the traditional open, bright, and natural Optimod-FM sound which helped make thousands of stations successful. The optional five-band MVP meets the challenges of competitive major-market processing with selectable speeds to match any format.

Factory MVP presets can be adjusted using a single LESS<>MORE control. Using the FULL CONTROL mode, custom sounds can be created and up to 32 user presets stored and recalled. A large LCD makes setup, adjustment, and programming easy. The built-in computer interface allows the 8200 to be controlled by modem from anywhere. An automatic preset switching feature changes the 8200's processing on a programmed schedule, which is ideal for dayparting or for stations with multiple formats.

The 8200's modular construction makes it easy to service and to incorporate future software and hardware upgrades. Two stereo composite outputs are provided along with an analog left/right output and digital AES/EBU output.

8200 with two-band MVP 60OB8200U2S MFR LIST \$7400.00
8200 with five-band MVP 60OB8200U3S MFR LIST \$10,400.00



Accessories:

These plug-in cards connect your 8200 to the input of a digital STL and accept audio from a digital studio source. Installation takes about two minutes. The 8200D/32 is for use with equipment that has a sampling rate of 32 kHz; the new 8200D/SRC is a variable conversion card that can handle 32, 44.1, or 48kHz. Appropriate instructions and software accompany each card. Ask Bradley about the right card for your application.

8200D/32 AES/EBU Digital I/O Card
 60OB8200D32 MFR LIST \$725.00
8200D/SRC AES/EBU Digital I/O Card
 60OB8200DSRC MFR LIST \$1550.00

Call Bradley for a current price quotation.

Orban Optimod-FM 8100A1

Sophisticated, easy-to-use, and cost effective, this classic 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 adjustments of gate threshold, interband coupling, release time, HF limiting, and clipping, the 8100A1 is flexible enough for the job, while remaining quite user friendly. Thorough and readable documentation, built-in test facilities, and modular design make the Orban Optimod-FM 8100A1 a pleasure to use.

8100A1/U75 60OB8100A MFR LIST \$5950.00

Also available:

8100A1 with FM Filter Card. This filter is designed to provide additional crosstalk protection for stations utilizing subcarriers and to increase modulation capability.

8100A1/U75F 60OB8100AF MFR LIST \$6650.00

Call Bradley for a current price quotation.



Accessories:

8100A/XT2 Six Band Limiter

An accessory chassis for stations that desire a louder or more processed sound. When the XT2 is in use, the two band compressor is converted to a slow averaging AGC in front of the six band limiter, ensuring proper input level at all times. The design incorporates dual bass EQ plus presence and brilliance controls.

60OB8100AXT MFR LIST \$2950.00

8100AFC FM Filter Card For existing units. Simply plugs into 8100A1.

60OB8100AFC MFR LIST \$700.00

8100AST/U Studio Chassis Enables separation of the "front-end" compressor from the stereo generator and limiter, allowing use with discrete STL systems.

60OB8100AST MFR LIST \$1000.00

Orban Optimod-AM 9100B

The 9100B was designed for high-fidelity AM, where quality is every bit as important as loudness. Three different characteristic slopes are available on plug-in modules to optimize the 9100B for low-fi receivers, high-fi receivers, or to "split-the-difference." The system also provides transmitter "EQ" adjustments to tune out transmitter deficiencies precisely. Mono systems can be upgraded to stereo at a later date. Meets the NRSC pre-emphasis and low pass filtering standards.

9100B1/U10 Mono 60OB9100B1 MFR LIST \$4550.00

9100B2/U10 Stereo 60OB9100B2 MFR LIST \$6350.00



Call Bradley for a current price quotation.

Cutting Edge Unity 2000i Digital FM Processor

The Unity 2000i is an FM processor that can be appreciated by station engineering, programming, and management as a way to improve a station's sound and increase its ratings. Here is a tool that combines technical excellence with format flexibility, ease of operation, and bottom line results.

The Unity 2000i FM Processor uses advanced digital signal processing to achieve an open, accurate sound. Designed by processing expert Frank Foti, the Unity 2000i uses feed forward control circuitry and Cutting Edge's unique Linear Response Algorithm™ for a more musical high end and audio that never sounds harsh or synthetic regardless of how hard you process.

Functions include selectable broadband AGC, selectable phase rotator, adjustable bass enhancer, adjustable crossovers, four band processor/leveler, four band limiter, clipper/low pass filter system, stereo generator, and selectable composite processor. Nine Foti presets are included and you may create up to 50 settings of your own. Other features include comprehensive front panel metering, four level security, day-part processing, and an RS-232 port for computer control from virtually anywhere. Unity Remote Software is included.



Unity 2000i 60CEUNITY MFR LIST \$8500.00

Call Bradley for a current price quotation.

Cutting Edge FM Composite Filter

Your station can achieve a noise floor of better than -60dB, providing a clean SCA environment for the most demanding subcarrier uses. The Dividend from Cutting Edge reduces noise in the upper composite spectrum (from 53 to 99kHz), noise which is often generated by audio processing and STL's.

Use the Dividend to improve performance of microwave STL's, composite clipping systems, and FM subcarriers (for applications including RBDS/RDS, background music, paging, and reading services). It's also useful if you seek to regain lost modulation or reduce multipath-related distortion.

Cutting Edge Dividend FM Composite Filter

60CED MFR LIST \$1195.00



Call Bradley for a current price quotation.

CRL AM and FM Processing

CRL broadcast audio processing consists of both multi-unit building block systems and stand-alone processors.

The modular CRL FM processing line has four units: the SGC800 Stereo Gain Controller multiband AGC, the SEC800 Spectral Energy Compressor, the SMP850 Stereo Modulation Processor, and the SG800A digitally synthesized stereo generator. For AM stereo processing CRL offers the SMP950 AM Stereo Matrix Processor that is used in conjunction with the SGC800 and SEC800. For monophonic AM operation, CRL provides the AGC400 Audio Gain Controller, the SEC400 Spectral Energy Compressor, and the PMC450 Peak Modulation Controller.

The Amigo is a competitively priced, complete FM processing system that is easy to install and operate. In a single rack unit, the Amigo offers a dual band AGC with more than 25dB range, peak modulation limiter, and a digitally synthesized stereo generator with more than 50dB of separation. Other features include stereo soundfield enhancement, low frequency EQ, and both composite and discrete outputs.

The MBL-100 is a multi-band audio processor specifically tailored to mono AM stations with News/Talk formats. High levels of average modulation density are available to extend your station's coverage area. The unit has a 7.5kHz bandwidth and NRSC-1 pre-emphasis.

Call Bradley for a current price quotation.



AM-2 mono AM system. AGC400, PMC450	60CUAM2	MFR LIST	\$3395.00
AM-2S stereo AM system. SGC800, SMP950	60CUAM2S	MFR LIST	\$4395.00
AM-4 mono AM system. AGC400, SEC400, PMC450	60CUAM4	MFR LIST	\$4895.00
AM-4S stereo AM system. SGC800, SEC800, SMP950	60CUAM4S	MFR LIST	\$6395.00
FM-2G stereo FM system. SGC800, SMP850, SG800A	60CUFM2G	MFR LIST	\$5995.00
FM-2G "Plus" stereo FM system. SGC800, SEC800, SMP850, SG800A	60CUFM4G	MFR LIST	\$7995.00
Amigo	60CUAMIGO	MFR LIST	\$3195.00
MBL-100	60CUMBL100	MFR LIST	\$3895.00



CRL Audio Signature

For more tailored processing, CRL's Audio Signature combines a powerful four band compressor and an advanced microprocessor control system. Separate wide-band and multiband controls can take you from virtually no processing to an aggressive extreme. Adjustable multiband crossovers, real time analysis monitoring, and eight position audio diagnostic metering add to the Audio Signature's user friendliness and processing power. Four processing settings may be stored and recalled, and the Audio Signature includes an RS-232 port for computer or automation control.



Audio Signature 60CUAS *MFR LIST* \$4995.00
 Call Bradley for a current price quotation.

Gentner Prism II FM Processor

The processing approach used by the Prism II emphasizes clean. Employing digital control, the Prism II uses a four-band parallel layout, with smooth predictable gain change. A broadband safety buffer automatically keeps the multi-band section in its normal operating range, even with widely varying input levels. Each band is individually gated and a single "density" control effectively re-programs attack and release times and compression ratios simultaneously. A phase rotator, a form of all-pass filter with precise and predictable frequency/phase characteristics, is used to assure optimum stereo separation regardless of source material. Two units are required for stereo.



Also available:
Prism II AM. The features and performance of the Prism II AM will cause you to wonder if its low price is really correct. It's a four-band processor with wideband AGC, phase rotator, and two-band limiter. Meets NRSC and EBU standards; bandwidth is user-selectable for shortwave and standard AM requirements.
Prism II AM 60TRPH *MFR LIST* \$1989.00

Prism II 60TRPRISM *MFR LIST* \$1779.00
Accessory:
RFC-2 replaces card 5 of an Orban 8100A Optimod FM when that unit is used with a pair of Gentner Audio Prisms.
RFC-2 60TRRFC2 *MFR LIST* \$319.00

Call Bradley for a current price quotation.

Excalibur CDA-1 Composite DA

The one input, three output CDA-1 can add flexibility to your transmission facility. Each output has its own 20 turn level control, and can drive up to 75 feet of RG-58 coax. A ground lift switch and transient protection on the power supply are two of the quality features built into the CDA-1. Use it to feed auxiliary STL systems, test equipment, and back up transmitters. Other uses include distributing modulation monitor outputs and subcarrier generator outputs. Frequency



response is DC to 100kHz ± 0.2 dB (less than 0.05dB down at 53kHz), THD is less than 0.01%, and noise is greater than 90dB below 4V at unity gain.
CDA-1 60EXCDA1 *MFR LIST* \$390.00

QEI FM Transmitters and Exciters

FM Transmitters QEI's "New Reliables" are available in power levels from 150 watts to 30,000 watts. The rack mountable 150, 300, and 600 watt models are all solid state, as is the 1kW, which is self-contained in a stand alone cabinet. 3.5kW, 5kW, 10kW, 20kW, and 30kW models all feature a single grounded grid triode in the final, offering inherent stability, lower AM noise, and a simpler power supply.

All models 3.5kW and up are available for single or three-phase power at the same price - even the 20 and 30kW! The 3.5kW can be converted quickly and economically to 5 or 10kW, making it ideal for stations with upgrade potential. QEI provides a 15,000 hour warranty on the tube. The 675 Exciter is standard on all QEI transmitters, and the "Transparent Plus" 695 is available as an option.

695 Exciter The "Transparent Plus" 695 is synthesized and can be tuned to any FM broadcast frequency instantly. THD, IMD (SMPTE method), and TIMD are all less than 0.025%; FM noise is greater than 80dB below 100% modulation. Complete metering of eight important parameters can be push button selected on the front panel meter. Automatic modulation and power output controls are other important features of this exciter.

695 60QE695 *MFR LIST* \$5295.00

Call Bradley for a current price quotation.



RBDS/RDS Systems



Radio stations that constantly look ahead for new ways to promote themselves will be intrigued by RBDS technology.

RBDS stands for Radio Broadcast Data System, called RDS in Europe. This technology allows an FM station to transmit digital data within its RF signal without degrading the quality of the main signal (using the 57kHz subcarrier). New "smart" receivers now on the market pick up the data and let the listener see static text, such as your call letters, format, and slogan, and changing text, like song titles and contest information.

Use RBDS to "hand off" a listener's receiver from frequency to frequency, main channel to translator. The broadcast marketplace is just beginning to see the possibilities for RBDS. Call Bradley today to learn more about the potential for this exciting concept.

Modulation Sciences RDS-1

The RDS-1 from MSI is an RBDS/RDS generator. It consists of a plug-in, IBM-compatible circuit board and software to run on your 286-or-better PC with a minimum of one floppy drive. All RBDS/RDS functions are readily accessible: transmit your call letters, format code, traffic announcements, and text strings. Send title and artist info, display advertisers' phone numbers while their spot is playing, and more.

Any parameter or data type may be set to change automatically at any time of the day. You can create your own unique scrolling displays. Because the RDS-1 is software-based, improvements can be made easily later. The RDS-1 includes a three-year warranty.

Modulation Sciences RDS-1 RBDS System

60MSRDS1 MFR LIST \$1750.00

CRL SC-100 RBDS System

The CRL SC-100 is a rack-mountable RBDS/RDS generator and is a good way to get started with RBDS, particularly if the station does not have access to a PC. Use the front-panel keypad and menu display to enter your static data, and you're on your way.

The addition of a PC or laptop makes the SC-100 more powerful. The PC soft-



ware is simple to understand, and gives your station the flexibility of using RBDS for changing data. The SC-100 includes an RS-232/modem Interface for easy connection.

Composite inputs and outputs are on BNC connectors. Expansion slots are available for optional subcarrier generator boards.

CRL SC-100 RBDS System

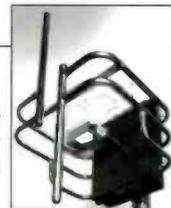
60CUSC100 MFR LIST \$3395.00

Call Bradley for a current price quotation.

Shively FM Antennas

Shively antennas perform as specified without regard to their environment, as harsh as it may be. A complete variety of Shively antennas is available to suit any station. Educational stations can use the low power 6812. Class A stations will find what they need in the 6813, with a power rating of 3kW per bay up to 12kW. The 6810 (10kW per bay up to 40kW) is the perfect antenna for Class B stations and the 6814 is just right for Class C stations. Panel antennas are available for either single or multi-station operation. Contact us if you are concerned about

radiation hazard standards so that we can provide information on 0.95, 0.90, 0.75, and 0.50 wavelength spacings to control downward radiation. Bradley and Shively can provide a complete range of options, including deicers, radomes, null fill, beam tilt, pattern studies, and directional antennas.



RF Accessories

Many items go into making a complete RF system. Some are rather expensive, some are not. Many are not too glamorous, and don't get the same attention as transmitters or processors. But all are important to the success of your project. Your Bradley professional is trained to help you with every item you need, right down to the smallest fitting. Bradley features:

Cablewave Systems - Transmission line and accessories, including foam and air dielectric lines, rigid line, connectors, grounding kits, splices, and pressurization equipment for either nitrogen or dry air.

Electro-Impulse - RF "dummy" loads up to 50kW.

Comark - FM antennas, rigid line, and coaxial switches.

Coaxial Dynamics - Wattmeters.

Delta - Stereo AM exciters and monitors. Toroidal current transformers, operating impedance bridges for both permanent installation and field use, and antenna monitors.

Potomac Instruments - Field intensity meters covering MF, HF, VHF, and UHF frequencies, as well as antenna monitors and remote controls.

Kintronics - Antenna tuning units, phasing equipment, power dividers for PSRA and PSSA operation, and isocouplers.

Modulation Sciences - Composite line drivers and distribution amps and SCA generators.



EBS Monitors

Multi-Technical Services System 3000C

(1) This ultimate EBS monitor incorporates multiple monitor receivers and the EBS encoder and decoder into a single unit. NOAA weather service monitoring is also available so you can offer your community the best information and service. Features include three channel scan, manual or automatic operation, program audio loop-through, remote operation, and a built-in monitor speaker. The standard unit comes complete with three fixed frequency FM or AM receivers. Please specify frequencies when ordering. Your Bradley professional can help you select from the numerous options.

System 3000C 60MU3000 MFR LIST \$1900.00

Accessory:

NOAA NWS receiver module. Replaces one off-air monitoring channel.

60MU3000NOAA MFR LIST \$95.00

Multi-Technical Services System 1000

(2) The 1000 Series EBS System offers an encoder, a decoder, and your choice of either an AM or FM receiver in only one rack unit of space. Everything you need to stay legal is here. The front panel is clearly labeled, and provides for activating the encoder or resetting the decoder. An internal speaker allows you to check the reception of your monitored station. Specify frequency when ordering.

AM 60MU1000AM MFR LIST \$899.00

FM 60MU1000FM MFR LIST \$899.00

Call Bradley for a current price quotation.

Gorman Redlich EBS Encoder/Decoder

(3) The Model CEB offers both EBS two tone encoding 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, as well as a tunable receiver, are available as separate units.

CEB 60GRCEB MFR LIST \$540.00

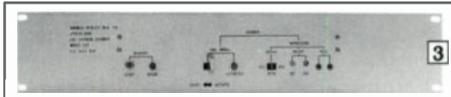
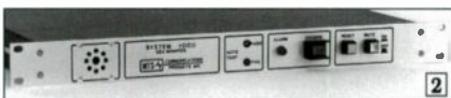
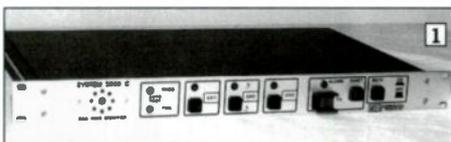
Also available:

Encoder only 60GRCE MFR LIST \$375.00

Decoder only 60GRCD MFR LIST \$320.00

Tunable AM/FM receiver
60GRREC MFR LIST \$100.00

Call Bradley for a current price quotation.



TFT EBS Systems

TFT makes staying legal with EBS a bit easier for you with the 886 and 887 EBS systems. The 886 (AM) and 887 (FM) have a receiver, decoder, and encoder all in only one rack space. The encoder features crystal controlled oscillators and the decoder features piezoelectric filters to assure stability. Both AM and FM receivers are synthesized, allowing fast, accurate tuning to either a primary or secondary station. Program loop-through is standard. Unique to the 886 and 887 is the pair of digital counters. One shows the number of days since your last EBS transmission, and the other shows the number of days since your last EBS reception. This helps to avoid FCC citations for incorrect use or non-use of the EBS system.

886 AM 60TT886 MFR LIST \$2150.00

887 FM 60TT887 MFR LIST \$2075.00

Call Bradley for a current price quotation.



Modulation Sciences ModMinder

ModMinder accurately measures and displays peak FM deviation. By doing so, the ModMinder allows a station either to back off its processing (increasing dynamic range) or to increase its modulation (increasing loudness) or to do some of both. This translates into a 1 to 4dB improvement in modulation, a significant gain in today's extremely competitive marketplace.

The ModMinder works by indicating only those peaks which exceed 1000 μ sec, a parameter which conforms precisely to the most recent (albeit now deleted) FCC rules for modulation monitoring. A microprocessor controls all timing and monitoring functions, assuring you an unusual degree of accuracy. Complete



interfacing is provided, including alarm functions, for your remote control system. An RS-232 port offers computer access of monitored information. ModMinder is also available with a calibrated demodulator board.

ModMinder 60MSFMMM MFR LIST \$2395.00

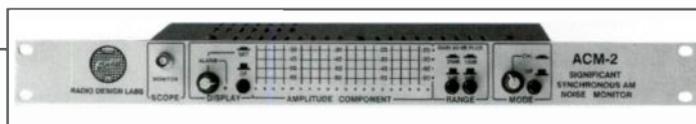
ModMinder with DeMod 60MSMMDMB MFR LIST \$3090.00

Call Bradley for a current price quotation.

RDL ACM-2 AM Noise Monitor

Synchronous AM noise is the elusive "gremlin" caused by transmitter/antenna bandwidth limiting that creates reception problems for your listeners. Top performing stations across the country have turned to Radio Design Labs ACM technology to maintain clarity and stereo separation and to control multipath artifacts. Every transmitter, new or old, can benefit by being tuned for minimum AM synchronous noise, and the ACM-2 is the best tool for the job.

The ACM-2 provides accurate metering of significant synchronous AM noise; LED metering with four display ranges; wide band, 75 μ s, and high-pass filtering;



a programmable alarm with remote status output; and a continuous-reading remote DC output for AM noise level. Its low price makes it a bargain when you consider how much it can add to your competitive edge.

ACM-2 60RDACM2 MFR LIST \$695.00

Call Bradley for a current price quotation.



TFT FM Modulation Monitors

TFT offers two models of efficient and accurate monitors which allow all base-band and stereo monitoring functions to be performed in a single unit. The 884 and 844A both combine a frequency agile RF amplifier, an FM main channel monitor, and a stereo monitor. A notable feature is the Peak Modulation Duration Differentiator (PMDD) which separates true modulation peaks from those caused by transient noise, overshoot, and multipath distortion.

The 884 and 844A both use TFT's pulse-counting FM discriminator and have outputs for audio monitoring and test equipment. The 844A adds a dual pre-selector to enable rapid "A-B" comparison. Also standard on the 844A is an absence of modulation carrier alarm and front panel headphone jack.

884 (pictured)	60TT884	MFR LIST	\$3765.00
844A	60TT844	MFR LIST	\$5150.00



Also available:
845 SCA Monitor 60TT845 MFR LIST \$2735.00
 Call Bradley for a current price quotation.

QEI 691 FM Modulation Monitor/Test Set

The 691 is a performance measurement instrument for mono, stereo, and SCA. Tunable in 100kHz 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.

691	60QE691	MFR LIST	\$5875.00
691/01 w/67kHz SCA monitoring	60QE69101	MFR LIST	\$6875.00
691/02 w/67kHz and 92kHz SCA monitoring	60QE69102	MFR LIST	\$7100.00

Call Bradley for a current price quotation.



Belar AM and FM Monitors

Belar offers two AM monitors: the AMM-2B and the AMM-3. A modulation cancellation scheme is used to recover the unmodulated carrier which provides a reference to modulation peaks. Thus, the instantaneous program peaks are referenced to the instantaneous carrier. The AMM-3 has separate meters for simultaneous monitoring of positive and negative modulation. Individual thumb-wheel switches allow setting the positive and negative peak flashers in 1% increments. Audio outputs are provided for both monitoring and test instruments.

Belar's FM monitor lineup includes separate main channel, stereo, and subcarrier monitors. The main channel and stereo monitors have superior THD and IM (SMPTE) of less than 0.01%. S/N ratio exceeds 90dB, and frequency response is ±0.25dB, 50Hz to 15kHz. Autoranging meters on the FMS-2 stereo monitor make noise and crosstalk measurements a snap. The SCM-2 subcarrier monitor can measure up to four different subcarriers. Please specify frequency required when ordering monitors.

Call Bradley for a current price quotation.



AMM-2B AM monitor	60BLAMM2B	MFR LIST	\$1590.00
AMM-3 AM monitor	60BLAMM3	MFR LIST	\$1790.00
AM RF amplifier	60BLRFA2	MFR LIST	\$790.00
FMM-2 FM monitor	60BLFMM2	MFR LIST	\$1790.00
FMS-2 stereo monitor	60BLFMS2	MFR LIST	\$2050.00
SCM-2 SCA monitor	60BLSCM2	MFR LIST	\$2050.00
FM RF amplifier	60BLRFA1	MFR LIST	\$850.00
Tunable FM RF amplifier	60BLRFA4	MFR LIST	\$1190.00

**Service and engineering are a phone call away—
 1-800-732-7665**



Belar Wizard

FM stations need to measure peaks of frequent recurrence accurately and to analyze modulation data to compare their modulation density with that of competitors. The Wizard FM Digital Modulation Analyzer performs these functions and does a whole lot more.

Some of The Wizard's functions are to measure peaks according to FCC rule 73.1570, examine peaks per unit of time to check peak distribution, check peak modulation density, change time constants of the peak weighting functions from 100µsec to 2ms, check pilot injection and pilot modulation, and check SCA injection. With the optional software package, these parameters and several more can



be evaluated from a PC via modem. Front panel shows modulation in 0.1% or 1% increments and a menu driven display provides a wealth of information.

The Wizard 60BLFMMA1 MFR LIST \$3300.00

Accessory:

Software package 60BLFMMA103 MFR LIST \$300.00

Call Bradley for a current price quotation.

Gentner VRC-2000 Remote Control

The VRC-2000 is a second generation voice response remote control system. It allows you full transmitter control via any bi-directional audio link, whether dial-up phone line, dedicated phone line, or radio link (such as STL/TSL/SCA). When operated as a stand-alone unit, you can control your transmitter from any telephone anywhere that has a DTMF keypad. The VRC-2000 responds with a synthesized voice. For full-time "on line" remote control, the accessory data interface, together with an IBM compatible PC, allows your operator to view channels and to control the command channels from a keyboard. The interface now provided with the VRC-2000 allows communication with a printer or data terminal on-site, or with a personal computer, via two-way audio link. Includes software.

VRC-2000 60GF910072201 MFR LIST \$2995.00

Call Bradley for a current price quotation.



Accessories:

Command Relay Unit provides relay isolation between the VRC-2000 and your equipment. Handles eight raise and eight lower commands. Two required for full 16 raise/16 lower operation.

60GF910073001 MFR LIST \$679.00

Also available:

Special purpose accessories for the VRC-2000 include a failsafe unit, antenna monitor, temperature sensor, battery back-up, and interface cables.

Burk TC-8 Remote Control

The TC-8 is ideal for basic remote control applications. It has eight telemetry channels and eight status channels. Internal modems can be set up for telco, SCA, or half-duplex mix. The optional interface panel brings all connections out to screw-type barrier strips and isolates the control logic with plug-in 10 amp form-relay contacts.

TC-8 60AVTC8 MFR LIST \$2495.00



Accessories:

IP-8 Interface Panel 60AVIP8 MFR LIST \$495.00

Call Bradley for a current price quotation.

Burk ARC-16 Remote Control

The ARC-16 is a remote control from the innovators at Burk. It provides full-time studio control, dial-up control, or both. True to its name, the ARC-16 has 16 metering channels, 16 raise/lower outputs, and 16 status channels; displays have 32 characters and plain English prompts.

The new Enhanced Speech Interface option allows control or readings from any touch-tone phone; the caller is greeted with a human voice and prompted through the call. The ESI lets you listen to actual program audio at any time during the call; it also will call a series of phone numbers to announce an alarm, and it can be enhanced with the optional CDL software to interface with your computer directly or via 1200 baud modem.

ARC-16 conventional two-unit system includes set of modems to interconnect by telco, STL, SCA, or TRL (specify when ordering).

60AVARC16DU MFR LIST \$3895.00

ARC-16 single unit system includes transmitter unit and one ESI speech option. Provides full remote control from any telephone with a DTMF keypad.

60AVARC16SA MFR LIST \$2995.00

Call Bradley for a current price quotation.



Accessories:

ESI Enhanced Speech Interface 60AVES1 MFR LIST \$895.00

CDL Software 60AVCDL MFR LIST \$295.00

IP-8 Interface panel provides barrier strip connections for eight metering inputs, eight status inputs, and eight each raise and lower outputs, plus failsafe. All outputs are relay isolated. Two required for 16 channels.

60AVIP8 MFR LIST \$495.00

Autopilot, a program for IBM-compatible PC's, gives your ARC-16 better record keeping and the ability to operate unattended. Autopilot will take care of routine and emergency operation. Requires CDL software, above.

60AUAUTOPILOT MFR LIST \$595.00

Also available:

Bradley can help you select from other Burk options, such as an interface to set up local serial connections with PC's, a Studio Status Indicator to drive an external set of alarms, and a Studio Input/Output Unit to add eight channels of I/O. Give us a call for the list of accessories.

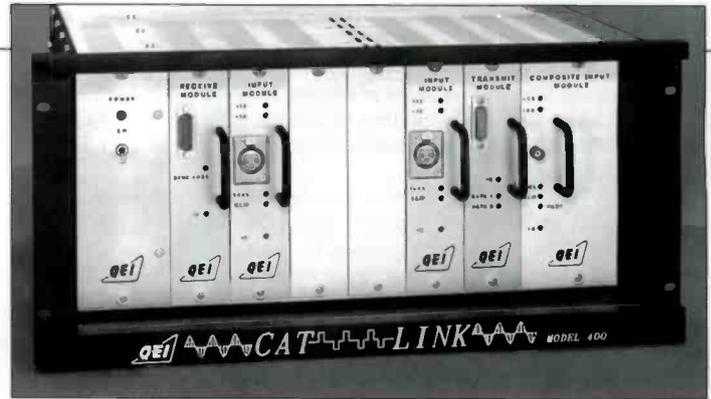
QEI CAT\Link

Today's "quality wars" demand better phase and amplitude performance from your studio-transmitter link. QEI offers a powerful digital alternative to conventional analog STL's and phone lines: the CAT\Link.

CAT\Link's digital signal processing technology gives you high-quality, two-way performance, without compression, using economical T1 telco data lines. T1 has 1.544MB data capacity, so that the CAT\Link can send a composite stereo signal to your transmitter while simultaneously sending and receiving a host of other audio and control signals such as AM audio, remote feeds, SCA's, transmitter readings, and voice. CAT\Link versions are also available to operate over a mile of twisted pair audio cable, over two miles of fiber optic cable, or via a 23GHz microwave link.

CAT\Link has no audible delays to annoy on-air talent, thanks to real-time encoding and decoding. The system consists of Studio and Transmitter rack mount units, each with room for up to seven modules. Input and Output modules encode and decode the composite and aux channels; Transmit and Receive modules multiplex and demultiplex the channels. The modular design allows you to add channels when you need them.

Quality is outstanding, with composite THD <0.01%, S/N ratio >81dB, and response DC to 53kHz, ±0.001dB. Composite systems start at just \$8500. Your



Bradley professional can give you more reasons why CAT\Link is just "purr-fect" for your station.

Call Bradley for a current price quotation.

Marti STL-15C Composite STL



Marti... composite? Yes, indeed. Long known for discrete systems that are built like a brick and backed with super factory support, Marti now offers a high quality composite studio-transmitter link so you can locate your audio processing and stereo generator at the studio. Carries FM stereo or mono audio with two subcarriers; with external modems, the STL-15C can also handle digital stereo audio and data.

Automatic switching provision, 12V capability, watt meters, and bargraph modulation meters are featured on the frequency-agile STL-15C. With stereo separation of better than 55dB, S/N greater than 72dB, and distortion of 0.2% or less, this is a high quality radio communications link. Two year warranty.

Call Bradley for a current price quotation.



STL-15C Composite Studio-Transmitter System

60MTSTL15CSYS MFR LIST \$6495.00

STL-15C Composite Transmitter

60MTSTL15C MFR LIST \$3500.00

R-15C Composite Receiver

60MTR15C MFR LIST \$3500.00

TFT 9200 Frequency Agile STL

TFT's Model 9200 STL is an economical frequency-synthesized STL system designed for single, redundant dual, or stereo program transmission. Both the transmitter and receiver utilize state-of-the-art very large scale integrated circuits for a low component count that results in high reliability and reduced cost. The 7.5 watt transmitter output comes from on-frequency amplification, yielding greater efficiency and introducing fewer harmful harmonics at the output. The receiver has been designed for 100kHz or 200kHz channel spacing. The system frequency response is better than ±0.2dB from 30Hz to 15kHz; THD and IMD are less than 0.2%; and S/N ratio is better than 75dB, de-emphasized.

Dual monaural systems for stereo use a pair of transmitters combined into a single antenna and a receiver splitter to connect two receivers to a single antenna. Plug-in subcarrier cards are optionally available. Bradley also offers the quality TFT 9200 with cable and antennas at low package prices.



Call Bradley for a current price quotation.

9200 Transmitter	60TT51169200	MFR LIST	\$1845.00
9205 Receiver	60TT51169205	MFR LIST	\$1725.00



TFT 8888/8889 Remote Pickup

If you need R-P-U, think T-F-T. The 8888 transmitter has three mic/line inputs, a limiter, a head-phone jack with volume control, and a modulation meter to assure audio quality. A test tone generator allows quick setup, and a front panel DTMF input jack allows for system security and cueing. The transmitter is frequency synthesized to allow operation within two 1MHz-wide portions of the 450MHz band. Powering is possible from either 12VDC or 120VAC.



Three deviations (5, 10, and 25kHz) are internally selectable, depending on the frequency in use. Full output power is 25 watts, but two lower ranges are selectable for battery conservation.

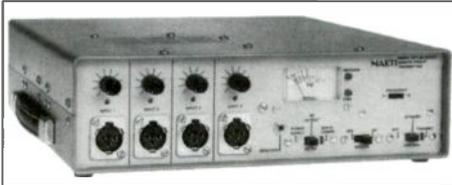
The companion 8889 receiver is also frequency synthesized. A microprocessor is in control, receiving commands in the DTMF code from the transmitter or a telco path. Local manual control can also be used. After access via a user-set security code, the microprocessor will control the operating channel, bandwidth, and, if used at a repeater site, a companion transmitter. Call your Bradley professional to have a system configured to your needs.

Transmitter 60TT8888 MFR LIST \$2765.00
Receiver 60TT8889 MFR LIST \$2075.00

Call Bradley for a current price quotation.

Marti Remote Pickups

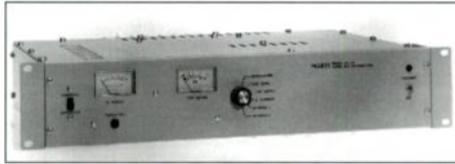
Marti builds the most complete line of remote pickup (RPU) equipment in the business. Making equipment for both the high VHF and the UHF bands, with power levels of 2 watts, 15 watts, and 30 watts, Marti supplies all options: internal battery,



external DC, and AC. Operate from anywhere: hand held, portable, vehicular, and aircraft installations, and Marti can supply both mobile and fixed repeaters. Marti and Bradley offer any accessory item you need: fixed and mobile antennas, transmission line and fittings, microphones, installation accessories, you name it.

Call or fax Bradley and tell us your application. Our professionals will tailor a system to your specific requirements.

Marti STL-10 Discrete Channel STL



This economical aural STL has a proven record of reliable performance. Two subcarriers are optionally available, and complete stereo systems with transmitter combiners and receiver splitters require only an antenna at each site. The STL-10 system features 20Hz to 15kHz ± 0.25 dB response, less than 0.3% THD, and 70dB or better S/N ratio. Transmitters include calibrated watt meter 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.

Mono 60MTSTL10 MFR LIST \$3290.00

Dual mono includes two transmitters, two receivers, and combiners required for use with single antenna system. 60MTSTL10D MFR LIST \$7025.00

Also available:

PA-48 4' grid parabolic antenna for 950MHz band STL use. 60MTPA48 MFR LIST \$800.00

Marti transmitter/studio links provide reliable remote control telemetry on the 450MHz band. The TSL-15 offers 15 watts and the TSL-30 operates at up to 30 watts. Complete system prices include automatic station identifier. Antenna package includes two yagi antennas, connectors, and jumper cable for 1/2" coax.

TSL-15 60MTTSL15 MFR LIST \$2644.50

TSL-30 60MTTSL30 MFR LIST \$3240.00

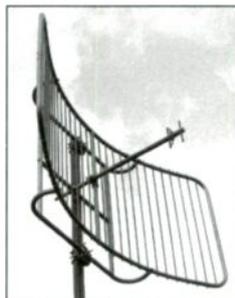
TSL antenna package 60MTTSLANT MFR LIST \$362.00

Call Bradley for a current price quotation.

Scala and Mark Antennas

Bradley offers the full line of Scala and Mark dishes for all applications and frequencies. Most popular with broadcasters are their grid dishes for 950 MHz STL use, available with diameters ranging from 4' to 15'.

Where band congestion is not a factor, and the superior side-lobe characteristics of a full dish are not needed, you may wish to consider the Scala Paraflector or Miniflector. These half-parabolic antennas offer a significant reduction in weight and wind load compared to a full dish, while still providing the high gains necessary for moderate path lengths.



TFT 8300 Composite STL



The 8300 meets the demand for high performance and versatility. Specifically designed for superior performance in dense RF environments, this system boasts performance specs that make it a leader in its class: frequency response ± 0.1 dB from 30Hz to 53kHz, 50dB or better stereo separation, S/N 75dB or better. Up to 14 watts power, full front panel diagnostic metering, and modular construction are some of its features. Options for the 8300 include hot standby with automatic changeover and an IF repeater for multiple hops without signal degradation. Two year warranty, prompt delivery, and 24 hour support. Put your 8300 system together with Bradley.

8300 composite transmitter

60TT51168300 MFR LIST \$5300.00

8301B composite receiver

60TT51168301B MFR LIST \$5160.00

Call Bradley for a current price quotation.

TFT DMM-92 Digital STL Modem

Bring your station into the digital decade with TFT's DMM-92 digital STL modem. The DMM-92 can be used in conjunction with any modern composite STL to provide your station with an audible improvement in audio performance. By using 15 level duobinary modulation, all necessary signals (stereo, two SCAs, and remote control) can be transmitted within the FCC's bandwidth limitations. Both analog and digital I/O versions are V.35 capable for use with Musicam, Dolby, Oki, apt-X and other compression systems. Call Bradley now for a complete DMM-92 literature package.

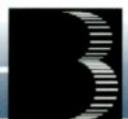
Don't forget, too, that Bradley and Scala offer many types of antennas for broadcasters, including remote pickup, TSL, FM translator, and precision off-air monitoring. Special pricing is available when you purchase your antennas as part of a complete equipment package. Call Bradley today. Our engineering know-how is at your disposal.

Also available:

Scala's 8000/960 950MHz preamp is for situations where your STL signal is marginal, but wind load or other restrictions prohibit a larger dish. It gives you 20dB of gain (equivalent to a several-hundred percent increase in dish size), with noise of only 1.8dB. Due to its modern circuitry, cross modulation and overload characteristics are excellent, allowing it to be used at even the busiest mountaintop site.

Scala 8000/960 preamp with power supply 60SL8000960 MFR LIST \$500.00

Call Bradley for a current price quotation.



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We will be happy to expedite orders on an urgent basis to meet an immediate need. Call for specific details.

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Minimum order:

\$15.00 in merchandise. Our minimum shipping and handling charge is \$6.00 per order.

Shipping charges:

Shipping may be paid in several ways. If your order is prepaid, we can provide you with the shipping cost and you may include that charge with your payment. We can also ship your merchandise freight collect, charge the shipping charges to your credit card, or ship via the carrier of your choice using your account number. Shipments to clients with open accounts may have shipping charges prepaid and added to their invoice.

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C.O.D. orders are limited to items immediately available from stock. We reserve the right to ship C.O.D. only to established clients and recognized broadcast facilities. C.O.D. shipments in excess of \$500 may require payment by cash or certified check. We do not ship C.O.D. via the U.S. mail.

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We make every effort to insure that your order arrives safely and in good condition. **If any package shows signs of external damage, please do not accept it.** We will replace the item when it is returned to our warehouse by the carrier, or we will re-ship immediately upon notification of the problem. In this case, new merchandise will be separately invoiced or charged, with credit or refund issued upon receipt of defective merchandise. When you receive any merchandise, always inspect it before signing. Under present carrier regulations, it is YOUR responsibility to report damage or loss. Always note damage on any shipping documents, and save all packing material and waybills. Request inspection by the carrier immediately. Claims for defective or incorrect merchandise must be reported to us within five days. You will be issued a return authorization (R.A.) number. We will only accept packages marked with an R.A. number. If you order the wrong item, you are responsible for shipping charges to return it. If the error is ours, we will pay for shipping. Merchandise returned for any reason other than defects or damage is subject to restocking fees.

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Product specifications are subject to change without notice.

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Please note our credit terms are Net 30 days. Prompt payment is expected. Interest at the rate of 1.5% per month (18% per annum) will be charged to all overdue accounts and further credit privileges suspended or removed at our option. 30 day terms are based upon the shipment date for each item, or our invoice date, whichever is later. We invoice partial shipments and expect payment within 30 days on each shipment. If your institution or company cannot accept partial billings, we will hold merchandise for complete shipment at one time. Postmark date of your payment must be within 30 days of invoice or ship date to be considered timely. We encourage school and government bids and purchase orders. We will automatically recognize purchase orders and bids from all legitimate educational institutions and government agencies.

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Editors	Paul J. McLane Art Reed
Layout	The Concept Company
Original Photography	Ed Castle
Printing	Tucker - Rochester, NY

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