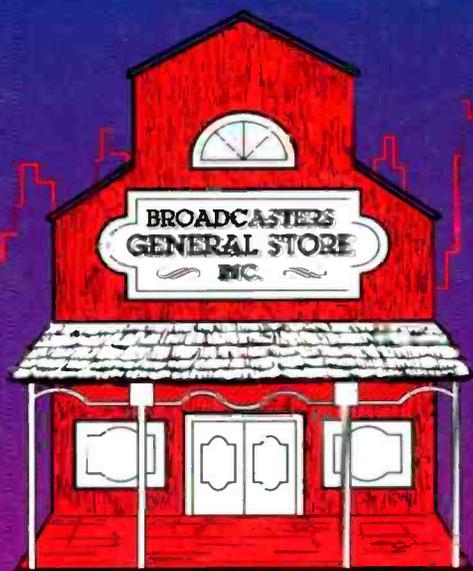
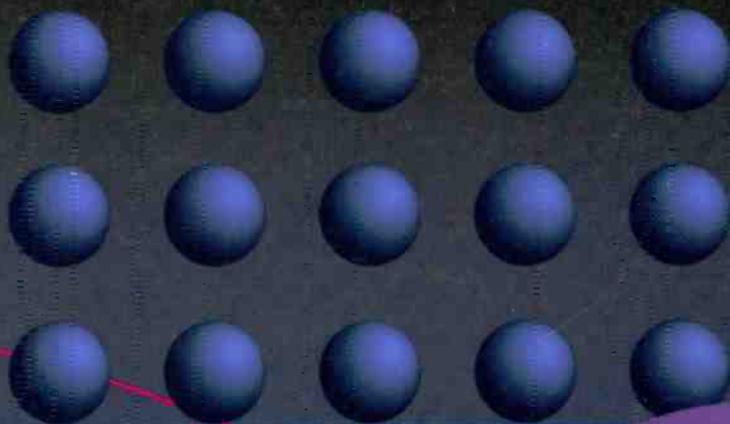


REFERENCE CATALOG



**BROADCASTERS
GENERAL STORE**



The **Telos 100 Delta** works like magic to produce the most natural sounding, full-duplex conversation. The secret? It's the only telephone hybrid that uses advanced digital signal processing (DSP) to automatically adapt to the phone line, adjust levels, and equalize the caller audio. Our exclusive digital dynamic equalization is so advanced you won't find it in any other broadcast audio product. All functions are quick as a blink. Once installed, the **100 Delta** requires no further adjustment. And you can monitor callers through open speakers without feedback. The **Telos 100 Delta**. It's the easiest way for you to experience the pleasure of great phones.

ORDERING INFORMATION



Broadcasters General Store would like to thank you for our growth and success these past 15 years and assure you that we will continue to give the "old fashioned" prompt service and individual attention you have come to expect from Broadcasters General Store.

In this catalog we offer the latest technology in a wide range of quality products. The manufacturers of these products, whose cooperation and responsiveness we couldn't do without, are also dedicated to customer satisfaction and service.

This is our first attempt at putting together our "very own reference catalog" -- we would be grateful for any suggestions that would help you or make the catalog easier to use. Thanks again!

Store are valid for 30 days from date of quotation.

TAXES:

Unless you have submitted signed documentation of your tax exemption, you are required to pay taxes, assessments or similar charges. Should Broadcasters General Store be required to collect such tax, you shall reimburse Broadcasters General Store, Inc.

CREDIT TERMS:

We will ship open account to established companies rated "High" or "Good" by Dun

and Bradstreet or upon credit approval. Our standard terms for open account are net 30 days from date of invoice. Late payments are subject to a service charge of 1.5% per month (18% per annum). Late paying accounts may lose credit privileges.

CONDITIONS OF SALE:

Payment of the goods is as previously agreed between the parties. In the event an invoice is not paid as agreed, the Buyer agrees that the Seller, Broadcasters General Store, Inc., retains title and right to possession of the goods, that the Buyer agrees to pay all costs of collect, including attorney's fees and that interest shall accrue on the balance at the rate of 18% per annum. Any litigation concerning this agreement or any other agreement between the parties shall take place in Marion County, Florida. All returned checks incur a \$25.00 charge.

GUARANTEE:

All equipment sold is covered by the manufacturers' original warranty. In the event of equipment failure during the warranty period, contact Broadcasters General Store, Inc. promptly so we may assist in the replacement or repair of the defective item. Equipment failure due to abuse,

neglect, accident or normal wear is not covered by warranty, nor are transportation charges.

SHIPMENT:

We will ship via UPS, Federal Express, truck or the carrier of your choice when instructed. After credit approval, items in stock are normally shipped the same day your order is received. If you have an open account, shipping charges may be prepaid and billed. Equipment is shipped F.O.B. origin. Delivery dates quoted are approximate and subject to change. Broadcasters General Store will not accept nor pay any penalty pertaining to quoted approximate delivery dates.

CLAIMS AND RETURNS:

Inspect ALL shipments immediately! If package is damaged, please do not accept! Any damaged or missing cartons should be noted on the delivery receipt before signing for the equipment. Concealed damage or loss should be reported at once to the carrier and a request for inspection be made. Present carrier regulations require you to make the report. Once the carrier has been advised, please contact the General Store so that we may follow up and assist in what manner we can. All claims or damage must be made within five days after receipt of shipment. Save all cartons and equipment until the claim is settled.

Do not return goods to us without a R.A.#. Goods returned without authorization Via freight collect may be refused. Ordered goods being returned by the customer are subject to a 15% restocking fee. Custom built equipment or special order merchandise is not returnable. All returns must be sent freight prepaid and adequately insured.

Although every effort has been made to ensure the accuracy of product specifications and price information, Broadcasters General Store, Inc. is not liable for typographical errors. Manufacturers specifications and prices are subject to change without notice.

TO ORDER: 8:00 am - 5:30 pm EST
Monday through Friday

BY PHONE:

Ocala, Florida (904) 622-7700
(Chris & Rick)
(904) 622-6800
(Dave & Kerry)
Kennesaw, Georgia (404) 425-0630
(Kandy) Atlanta Area

BY FAX:

Ocala, Florida (904) 629-7000
Kennesaw, Georgia (404) 427-0562
(Atlanta)

BY MAIL:

2480 Southeast 52nd Street
Ocala, Florida 34480
4398 Sahara Drive
Kennesaw, Georgia, 30144

PRICING:

All prices listed in this catalog are manufacturer's suggested prices and are subject to change without notice. Quotations submitted by the General



DIGITAL RECORDERS

STUDER

MARANTZ

TASCAM

TECHNICS

FOSTEX

THE STUDER D740

The Studer D740 is a full-function, stand-alone three rack space, CD recorder. The mechanical properties of the D740 are typically STUDER. For achieving optimum stability they use a highly ridged die-cast aluminum chassis and a novel suspension system, which makes the D740 virtually shockproof. The Studer D740 has optical, RCA, XLR, (AES/EBU, SPDIF) inputs and outputs; transformer balanced line inputs and outputs; and RCA line outputs. The D740 offers a parallel remote control via 25 pin D connector.



D740	\$ 9,500.00
CD-R 60-Q Recordable CD, 60 minutes	\$ 39.00

TASCAM DA-88

The Tascam DA-88 rotary 4 head digital recorder allows approximately 100 minutes of record time on a standard 120 Hi-8mm cassette tape. The main features include: large transport buttons; jog/shuttle wheel; single button record punch-in; and an 8-digit LED time display that shows absolute time in hours, minutes seconds and frames as well as displaying memo times and pitch change. Rehearsal mode allows you to rehearse without recording and tape can be formatted while recording. An optional SY-88, rear panel synchronization board provides SMPTE synchronization, both as master and slave, video sync, a 9 pin RS-422 port, and midi machine control. Digital performance at an analog price!



DA-88	\$ 4,499.00
SY-88	Optional synchronization board \$ 799.00
RC-848	System controller, controls up to 6 \$ 1,499.00
RC-808	Basic remote \$ 200.00
MU-8824	24 Track remote meter \$ 899.00
PW-88S	3 Foot sync cable \$ 99.00
PW-88M	16 Foot meter cable \$ 89.00
PW-88D	3 Foot dupe cable \$ 99.00
IF-88AE	AES/SPDIF interface \$ 1,099.00
IF-88SD	SDIF interface \$ 1,299.00

FOSTEX RD-8

The Fostex RD-8 is a digital 8-track recorder with a built-in SMPTE generator/reader, you can stripe, read or jam sync code, and convert to MIDI Time Code on a moment's notice. It can be controlled via RS-422 and records at 44.1kHz or 48kHz sampling frequencies. The RD-8 features include: front panel access track slip function; 8-Channel optical interface; table of contents data on the tape; fast wind without tape to head contact; LCD and 10-digit display panels; 100 locate points; cross-fade time is fully controllable for machine to machine editing; and numerous third party product support.

RD-8	\$ 4,795.00
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MARANTZ CDR600/CDR610



The Marantz CDR600 Compact Disc Recorder is a complete three rack space, stand-alone CD recording and playback system. It represents a breakthrough in price/performance for compact disc recording. Features: • Balanced XLR analog I/O • 64 times over-sampling 1-bit A/D and 128 times 1-bit D/A converters • SPDIF and Optical Digital I/O • All playback functions feature fast access times of 125-340 ms • Constant monitoring during recording calibrates speed and adjusts laser power to compensate for dust and fingerprints • Skip feature masks misrecorded tracks • Automatic, manual, and on-the-fly track increment • IR Remote control • Comprehensive protection (power down, recording w/o signal).

CDR600	\$ 3,500.00
CDR-63 Recordable CD, 63 minutes (minimum 20 discs)	\$ 15.00

The New Marantz CDR610 has all the features of the CDR600 plus: true AES/EBU digital input and output; transformerless balanced analog input, calibrated for 15dB of headroom at +4dB (can be adjusted \pm 5dB); a wired remote control allows two way control of play and record and one way control of Rew, FF, Next, Previous, Fast, Pause, Stop, Mute, and track Increment; 9-pin D-connector Parallel I/O allowing play, record, stop, and track increment functions to be controlled by other machines such as digital workstations, event generators, etc. and; multiple machine parallel cascade operation.

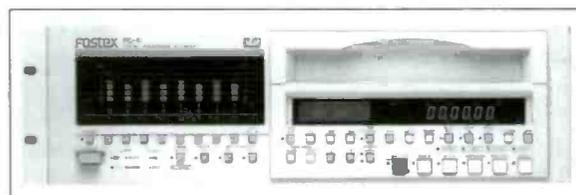
CDR610	\$ 4,000.00
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TECHNICS RS-DC10



The Technics RS-DC10 auto-reverse digital compact cassette deck records on digital compact cassette (with SCMS) and plays on both analog and digital cassettes. Featuring 1-bit ADC/DAC, four dedicated PASC chips, and built-in Dolby™ B/C NR for analog tape playback compatibility. There's a 29-key wireless remote included.

RS-DC10	\$ 999.00
RTD90ADCC	Cassette tape, box of 10 \$ 99.90



MANY ITEMS IN STOCK FOR IMMEDIATE DELIVERY

DIGITAL RECORDERS



360 SYSTEMS DIGICART II

360 Systems offers two versions of its digital audio hard disk recorder. Both DigiCart and DigiCart/II are designed especially for broadcast use and are considered the most cost effective machines on the market. They work better than cart machines without the expense of routine maintenance and replacement carts. With instant access to thousands of cuts and stacks, zero shuttle time, and excellent audio quality, they out perform analog open reel machines and DAT machines. DigiCart is configured standard with a 44MB removable Bernoulli Disk for 20 minutes recording time and can be optioned with a 2, 3 or 8 hour hard disk drive. DigiCart/II differs slightly from the original DigiCart in its hardware configuration and features significant software enhancements. DigiCart/II comes standard with a 2 hour hard disk and removable media multi-format Bernoulli Disk Drive which offers recording times of 30, 49, and 68 minutes. Optional hard disk drives of 3 or 8 hours are also available. For synchronization with video equipment, a SMPTE time code option is available. Both machines employ Dolby AC-2 data compression, non-destructive editing, playlisting capability, GPI closures, BCD parallel interface for automation systems, ES-Bus serial interface for satellite control and custom interfacing, and interconnection for three dedicated remote controls: mini-keyboard, on-air remote, and production studio remote.



Non-destructive editing features consist of head and tail trims, fade ins and outs and level adjustment of cuts. There is also a playlist mode called "stacking" that allows you to create playlists of any length and store them for later recall. Two new remote control units, RC210 and RC220 extend DigiCart front panel controls — and more — via easy-to-use control panels. Two of the many features include 16 presets ("hot-keys") which provide instant playback of pre-assigned cuts, and a find feature that rapidly loads a cut to the ready mode or plays it upon command.

1000	DigiCart	\$ 3,995.00
DAD10	44MB digital audio disks (10)	\$ 400.00
DAD50	44MB digital audio disks (50)	\$ 2,000.00
OS-1000	On screen software, allows remote control and play listing functions of DigiCart using IBM compatible personal computer (80386/20 MHz minimum)	\$ 1,195.00
OS-TB1000	Traffic & billing interface software	\$ 500.00
2002	DigiCart/II w/HD-200 hard disk installed internally	\$ 4,995.00
2005	DigiCart/II w/HD-500 hard disk installed internally	\$ 5,995.00
2010	DigiCart/II w/HD-1000 hard disk installed internally	\$ 7,250.00
DMF-65	65 MByte removable digital audio disk (1)	\$ 75.00
DMF-65-10	65 MByte removable digital audio disks (package of 10)	\$ 500.00
DMF-105	105 MByte removable digital audio disk (1)	\$ 125.00
DMF-105-10	105 MByte removable digital audio disks (package of 10)	\$ 750.00
DMF-150	150 MByte removable digital audio disk (1)	\$ 175.00
DMF-150-10	150 MByte removable digital audio disks (package of 10)	\$ 990.00
RC-205	Alphanumeric Keyboard for remote control and cue naming	\$ 130.00
RC-210	DigiCart/II single machine playback remote control	\$ 595.00
RC-220	DigiCart/II four machine record/play remote control	\$ 745.00

ALESIS adat



The Alesis adat can be used as a stand alone 8 track or linked to form a digital recording system from 16 to 128 tracks. adat records approximately 40 minutes of audio on a single S-VHS 120 tape. Prior to or during recording, each adat tape is formatted with a proprietary Alesis time code that is much more accurate than SMPTE or other time code systems, and allows multiple adats to lock to an incredible single-sample accuracy. This means when you lock 2 or more adats together, you're really creating the functional equivalent of one large multitrack digital tape recorder with one wide, seamless piece of tape. The BRC Master Remote Control provides all transport and record functions, as well as sample-accurate autolocation and overdubbing functions with up to 16 adats for 128 tracks. BRC reads and generates SMPTE time code, and generates MIDI Time Code and MIDI clocks to provide all the timing references needed to drive a complete MIDI sequencing system. Comes with a simple wired remote.

adat		\$ 3,995.00
BRC	Master full function remote control for adat	\$ 1,995.00
BRC	Stand	\$ 295.00
AI-1	AES/EBU & S/PDIF digital interface and sample rate converter	\$ 895.00
AI-2	Synchronization interface	\$ 995.00
RMB	Remote meter bridge 32 channel for adat	\$ 995.00
Atape	adat tape (each)	\$ 19.95

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



RDAT

EVENTIDE

FOSTEX

OTARI

PANASONIC

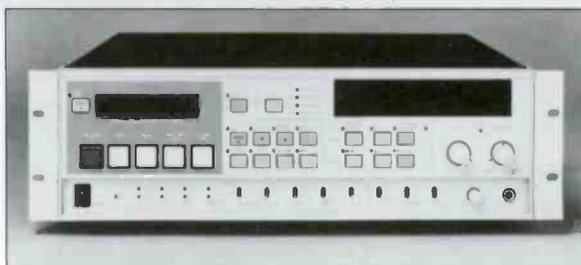
THE EVENTIDE VR240



The Eventide VR240 digital audio logger uses compact DAT cartridges and cuts storage problems drastically. A full week's worth of programming fits on a single cartridge! Up to 24 channels are at your disposal, allowing the VR240 to pack audio segments continuously on tape — even when some channels receive no input for long periods, while others are constantly active. A built-in uninterruptible power supply ensures record-keeping continuity when an AC line is interrupted. The logger is available with either single or dual tape transports. An automatic labeling function is optional.

VR240 Standard-1 drive, 8 channels, w/built-in UPS	\$ 10,495.00
VR240 With 2 drives	\$ 12,995.00
8-ch. input boards, 1 or 2 can be added	\$ 1,895.00
Transformer-balanced audio inputs (per input board)	\$ 190.00
Telephone interface option (per Input bd.)	\$ 395.00

FOSTEX D-20B



The Fostex D-20 DAT recorder offers synchronization using SMPTE/ EBU timecode. This machine will read time code in all functions and speeds, even pause. The four head recording system allows off-the-tape monitoring, ±10% pitch control with read-out, and instant punch in/out. The rear panel has balanced analog XLR and digital AES/EBU ins/outs. There's an external synch input for composite video, word sync input and output capability plus DAT sync for accurately locking two DATs together.

D-20B With chase/lock synchronizer, time code generator & transcoding	\$ 8,500.00
8320 Full function remote control for access to all functions	\$ 850.00
D-20B & 8320 purchased together	\$ 9,000.00

FOSTEX D-10



The Fostex D-10 has a built-in 4Mbit x 2 RAM for instant start and scrub edit capability. It features auto cue, universal GPI in and out for custom external control, auto-rehearse function, and 100 memory locations can be stored and

recalled. A-Time or SMPTE/EBU time-code can be read and displayed for fast, precise location and editing. Ideal for on-air and production!

D-10	\$2,850.00
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OTARI DTR-7



The Otari DTR-7 R-DAT deck offers all the essential features for audio production. In addition to active balanced analog inputs and outputs, both AES/EBU and SPDIF digital audio interfaces are provided. The 1-bit Delta Sigma A/D converters and 1-bit Pulse D/A converters assure musical accuracy; a sampling monitor function enables input signal monitoring through the converters; and precise dB indication of margin-to-peak levels is displayed for optimum record level setting. Wireless remote control and 3U rack mount adapter kit included.

DTR-7	\$1,848.00
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PANASONIC SV-3200



Panasonic SV3200 DAT recorder has digital coaxial and optical inputs with unbalanced RCA ins/out

DISCONTINUED

SV-3200	\$ 1,045.00
Rack adapters	\$ 60.00

PANASONIC SV-3700



The Panasonic SV-3700 is built on a massive die-cast chassis that ensures stability and reliability. Important features include: shuttle wheel, high performance one-bit A/D conversion, high resolution 4-DAC system, and 4-digit error rate display. The analog inputs/outputs are balanced XLR's, digital ins and outs are AES/EBU Professional Format and IEC 958 SPDIF. The SV-3700 comes with an infrared remote control and 3U rack kit.

SV-3700	\$1,840.00
SSE-44 Wired remote control	\$ 50.00



PANASONIC SV-3900



The Panasonic SV-3900 has the same transport and inputs and outputs as the SV-3700. It is designed specifically for remote control applications, using either the optional full-featured SH-MK390 remote control, or external computer interfaces. Select simultaneous control of up to 32 individually addressable machines connected on an ES-bus local area network, or single machine/controller combinations using P2 protocols.

SV-3900	\$ 2,500.00
SH-MK390 Remote	\$ 430.00
SDT-390M Software development tool kit for Macintosh computer	\$ 650.00
SDT-390B Software development tool kit for IBM compatible computer	\$ 650.00

SONY DTC-A7



The Sony DTC-A7 digital audio tape recorder/player offers outstanding sound quality utilizing Sony's unique HDLC D/A converters and 1-bit Delta Sigma A/D converters. The DTC-A7 offers a full three-motor transport for greater reliability and stability. It supports all major sampling frequencies and has a long record and play mode to give you twice the normal time. Features include digital peak margin display, A/D D/A and D/A monitoring modes, absolute time recording, date/time recording, RCA ins & outs, SCMS, wireless controller and hardware for 19" rack mounting.

DTC-A7	\$980.00
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PANASONIC

SONY

TASCAM

SONY PCM-2700A



The Sony PCM-2700A professional digital audio tape recorder/player has a 4-head design for confidence monitoring. It features absolute time recording, balanced analog and coaxial digital IEC-958 ins and outs, supports three sampling frequencies, has a 37 pin parallel remote connector, and is supplied with wireless remote control and rack mount adapters.

PCM-2700A	\$3,230.00
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SONY PCM-2300



The Sony PCM-2300 professional digital audio tape recorder /player has balanced analog and coaxial digital IEC-958 ins and outs, long play mode, auto fader, margin display, records absolute time, supports three sampling frequencies, and is supplied with a wired/wireless remote and rack mount adapters. In the long play mode it can hold up to four hours of 12 bit non-linear 32kHz audio.

PCM-2300	\$1,720.00
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TASCAM DA-30



The Tascam DA-30 is ideal for professional digital mastering applications. The DA-30's analog inputs include balanced XLR and unbalanced RCA jacks. The analog outputs include variable balanced XLR, unbalanced RCA, and fixed RCA. Digital inputs and outputs are AES/EBU XLR and coaxial RCA. It comes supplied with a flexible wired remote control and a 15 pin parallel I/O port for external transport remote control.

DA-30	\$1,399.00
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TASCAM DA-60



The Tascam DA-60 DAT recorder features 4 heads for confidence monitoring; a 2 second RAM buffer for instant start; accurate dial search capability, auto cue, auto punch in/out with rehearsal capability; gapless punch in and out, $\pm 12.5\%$ pitch control on playback; two locate points; absolute time, start, end and program numbers which can be recorded independently in the sub-code area; user-selectable

copy protection; cue and review at 1x, 3x or 9x play speed, error monitor LED; AES/EBU and SP/DIF digital I/O; Word clock I/O; and a 37-pin parallel port for external transport control. The optional SY-D6 Synchronizer Board adds a SMPTE/EBU reader/generator that allows the DA-60 to chase SMPTE timecode with offset capability, lock to video sync; and provides a 9-pin RS-422 serial port for direct editor control.

DA-60	\$ 5,999.00	
SY-D6	Optional synchronizer board	\$ 649.00
RC-D6	Remote control	\$ 200.00



PORTABLE RDAT

DENON

DENON DTR-80PR



The DTR-80PR incorporates Denon's most recent advances in A/D-D/A converters resulting in exceptional fidelity. The DTR-80PR is extremely small and lightweight, measuring 3 1/2" x 1 5/8" x 6 9/16" and weighs around 21 ounces with battery pack. It has a backlit LC display, mini-jack mic/line inputs, coaxial and optical digital inputs, and can record analog signals digitally at

44.1kHz with SCMS. It can be operated for up to four hours from six LR6 or L40 alkaline batteries. An AC adapter, connecting cables and alkaline battery pack with batteries are included.

DTR-80PR		\$ 900.00
AC-11	Soft carrying case	\$ 30.00
DME-50R	One point stereo electret condenser mic	\$ 100.00
RC-423	Wired remote control	\$ 40.00
AP-19	Car battery adapter	\$ 80.00
AP-18	Nicad battery pack	\$ 80.00

SONY TCD-10 PRO II



The Sony TCD-10PRO-II isn't simply a consumer recorder with XLR connectors added. It is designed specifically for professional recording. Features include selectable XLR-type mic/line inputs, absolute time recording and playback, digital I/O (AES/EBU), back-lit display, 1.5 hour battery life, microphone attenuator, low-cut filter, and built-in limiter and speaker.

TCD-10 PRO II \$3,500.00

PANASONIC DAT TAPE



Also available from Broadcasters General Store: Ampex, DIC, FUJI, Scotch, Sony & TDK. To erase DAT tapes a demagnetizer with very high flux is required. See pages 11 through 13.

RT-P60P	DAT tape, 60 minutes, box of 10	\$ 90.00
RT-P90P	DAT tape, 90 minutes, box of 10	\$ 100.00
RT-P120P	DAT tape, 120 minutes, box of 10	\$ 110.00
RT-RCLP	Cleaning tape	\$ 10.00

PANASONIC

SONY

FOSTEX

FOSTEX PD-2

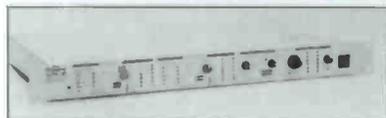


The Fostex PD-2 DAT offers you all of the benefits of digital recording with SMPTE timecode in a portable configuration. Fostex 4-head drum design gives you off-the-tape confidence monitoring. The internal timecode generator reads and writes all four international standard formats. It is built for the rigors of location recording, with a tight gasket surrounding the tape compartment and a head warmer that allows you to operate in a wide range of temperature and humidity conditions. Key transport controls have individual tactile characteristics so you won't have to look to know what mode you're in. In addition to having slate mic and tone generating functions you also have full sub-code address capability - IE: start ID's, end ID's, PNO's. Since the ID's are recorded on the tape, the tape can be played on another unit with the ID's intact.

PD-2	Portable DAT recorder	\$ 11,495.00
AD-15	AC adapter	\$ 230.00
NP-13	Ni-Cad battery	\$ 130.00

DIGITAL PROBLEM SOLVERS

ROLAND SRC-2 DUAL SAMPLE RATE CONVERTER



The SRC-2 has the capability to mix two stereo digital signals that are at different rates, into one stereo digital signal output at any selectable sample rate. Balance and overall level controls are provided. It also delivers to the professional user a multitude of additional digital conversion and mixing features at an affordable price.

SRC-2 \$2,595.00

ROLAND

CRL

CRL DAA-50 & DAA-100 DIGITAL AUDIO ANALYZERS



DAA-50	Clip-on digital audio headphone/analyzer	\$ 895.00
DAA-100	Hand-held digital audio analyzer	\$ 2,295.00

DIGITAL WORK STATIONS



ROLAND DM-80



The DM-80-4 or DM-80-8 rack mount digital disk recorder is the heart of Roland's digital audio workstation. It can be controlled by either the DM-80-R Remote Controller, or by a Macintosh using Roland's Track Manager software. Up to four DM-80-8 units can be cascaded to provide 32 tracks of digital recording. The user-friendly DM-80-R Remote Controller features a 240 X 60 dot LCD for operational parameters and system status. Recorded material is visually presented as a "piece of tape," with individual phrases, track segments, and waveform. The DM-80-F Fader Board provides faders, EQ, and automation enable. The DM-80-F can be used with the DM-80-R Remote Controller, or with Macintosh control. Four DM-80-F boards can be linked for 48 inputs.

ROLAND

AKAI

TASCAM

DM-80-4	Hard disk recorder - 4 track	\$ 7,295.00
DM-80-8	Hard disk recorder - 8 track	\$ 10,750.00
DM-80-R	Remote controller	\$ 1,995.00
DM-80-F	Fader unit	\$ 1,295.00
DM-80-L	Locking resolver	\$ 995.00
DM-80-E	4-8 track xxpansion kit	\$ 4,495.00
DM-80-S	Multitrack manager system - Macintosh controller/editing software	\$ 650.00
IB-1	MIDI/DM buss interface box	\$ 99.95

AKAI DD1000i



The Akai DD1000 is a "virtual" four track digital editing system with the capability to record two tracks while playing two tracks and simultaneously play four tracks. The removable two-sided MO disk has 325 megabytes of storage per side which equates to 30 minutes stereo per side at 44.1KHz. You get the convenience of instant access and full non-destructive editing, with no need to run back-up and restore routines. The medium is easy to

carry, easy to store and Sony guarantees the disks for a million read/writes and 30 years. The DD1000 uses 1 bit Sigma-Delta quantization for recording and playback, supports four sampling frequencies with sample rate conversion, has balanced analog and AFS/FBL digital ins and outs. It speaks all SMPTE and MIDI timecode formats and VTC is optional. It includes a printer port, two SCSI busses, house sync to NTSC or PAL, jog/scrub audio, allows -50% +200% timestretch, and is completely self-contained. Precise and flexible full waveform editing is possible with the front panel controls and large easy to read LCD display. The unit is easy to use even with no prior knowledge of disk based editing systems. Optional software to allow the DD1000 to be controlled by a Macintosh/Atari is available. The optional DI 600 remote allows broadcasters to use the DD1000 like two stereo playback machines. Broadcaster's jingles, liners and spots can be stored and produced on the DD1000.

DD1000i	Digital audio recorder/editor	\$ 14,995.00
DD1000s	Digital audio editor; slave version	\$ 12,995.00
DL1000	Full function remote	\$ 2,700.00
DL600	Broadcast remote control	\$
DL500	Remote trigger controller for DD1000	\$ 1,150.00
EDM-1DAO	Magneto optical disk	\$ 200.00
DD-F	Front panel emulation software for Mac or Atari	\$ 160.00
DD-QMAC	Editing software for Mac	\$ 700.00
SS01-II	Magneto optical disk drive (more storage)	\$ 4,000.00

TASCAM RA-4000



The Tascam RA-4000 is a stand alone, 2 input channel, 4 track, 4 output random access recorder/editor. It features balanced XLR inputs and outputs, word and video sync, AFS/FBL and SP/DIF interfaces, SCSI buss and RS422 port to allow direct control from a video editor. It includes a 200 MB hard drive allowing for up to 38 minutes of track time when recording at 44.1 KHz. The recording time is easily increased by using the standard SCSI buss to connect additional compatible external hard drives or optical drives. The RA-4000 control panel has all the functions logically laid out for instant results at the touch of a button.

RA-4000	Random access recorder	\$5,499.00
RC-4000	System controller, controls up to 4 RA-4000 hard drives	\$1,499.00

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



DIGITAL RECORDER

AKAI DR4



AKAI

The Akai DR-4's hard disk recording system offers 4-channel recording and playback with all the advantages of tapeless digital multi-track recording and a wide range of editing functions. Its simple, user-friendly operation has the feel of an analog recorder, and the large jog/shuttle wheel makes editing fast and easy. Its expansion possibilities allow you to increase the number of tracks and the recording time to allow you to put together a system to meet your needs and budget. The DR-4 has digital input terminals for AES/EBU Types I and II. An optional circuit board allows synchronized operation of a MIDI sequencer using SMPTE time codes with no need for either a synchronizing box or a synchronizer. The DR-4 features a 20-segment digital level meter to help you accurately monitor recording and play levels.

DR4d	Hard disk recorder (user supplies hard drive)	\$ 1,995.00
IB110D	2nd Digital I/O for DR4d (required to digitally output audio on channels 3-4)	\$ 299.00
IB111S	2nd SCSI interface (for computer editing software and SCSI MO disk backup and requires 2.0 version software)	\$ 199.00
IB112T	Reads and generates timecode (requires version 2.0 software)	\$ 199.00
IB113M	DR4 can serve as master clock for sequencer (with version 2.x, MIDI machine control will be implemented)	\$ 159.00
ALX50	Cable to connect multiple DR4d's	\$ 19.95
2.0 Software	Implements control for DL4d, IB111S, IB112T, and autopunch for multiple DR4d's (Refund with return of 1.1 chips)	\$ 39.95

REEL TO REEL

THE OTARI MX-5050



The Otari MX-5050 series allows you to select exactly the correct machine for your application. All machines feature: built-in mini-autolocator with three one-touch cue point memories, search zero and repeat functions. The transports are very smooth with microprocessor controlled logic, motion sensing and dynamic braking. Standard features include a 37 pin parallel I/O, $\pm 20\%$ speed control, transformerless active balanced inputs and outputs

and reel size switches for both take-up and supply reels. The MKIV-4 and MKIV-8 and BQ-III feature gapless seamless punch in and punch out as well as a rehearse mode.

MX 5050 B-III	1/4" 2-channel half track	\$3,770.00
MX 5050 B-III-F	1/4" 2-channel full track	\$4,532.00
MX 5050 BQ-III	1/4" 4-channel quarter track	\$5,906.00
MX 5050 MKIV-2	1/4" 2-channel quarter track	\$4,915.00
MX 5050 MKIV-4	1/2" 4-channel quarter track	\$6,862.00
MX 5050 MKIV-8	1/2" 8-channel quarter track	\$7,204.00

OTARI MX-55 SERIES



The Otari MX-55NM is a high quality production and mastering 2 channel half-track tape machine. It features: microprocessor based transport, dynamic braking, $\pm 20\%$ speed control, 4 point auto-locator, easy access card bay, Dolby™ HX pro headroom extension, gapless, seamless punch in/punch out, cue speaker, 3 frequency test oscillator and more.

MX-55N	1/4" 2-channel, 15/7.5 or 7.5/3.75 ips	\$4,915.00
MX-55NM	1/4" 2-channel, console model	\$6,285.00

* Center Track Time Code Also Available

THE OTARI MX50IIN



The Otari MX-50IIN is an affordable audio recorder. It has a built-in 5-digit tape timer displays, search to cue locator with one cue point memory, zero locate, $\pm 7\%$ vari-speed, and transformerless active balanced XLR inputs and outputs. An independent reel size selector switch allows supply and take-up reel sizes to be intermixed.

MX-50IIN	1/4" 2-track, 15/7.5 IPS	\$2,720.00
MX-50IIN-L	Same as above but speed is 7.5/3.75 ips	\$2,885.00

STUDER A807



The Studer A807 was conceived as a multipurpose tool for recording studios and broadcasters. The A807 has a highly perfected tape transport design with advanced drive technology features: two rugged, direct drive AC spooling motors, brushless DC capstan motor, comprehensive function selection and digitally controlled analog technology.

A807-2/2 VU	1/4" 2-track (3.75/7.5/15ips)	\$ 8,100.00
A807-2/2 VU HS	1/4" 2-track (7.5/15/30ips)	\$ 8,700.00
A807-2/2 VUK	1/4" 2-track with metered overbridge and console	\$ 10,100.00
A807-2/2 VUK HS	1/4" 2-track with metered overbridge and console	\$ 10,800.00

Many other configurations of the A807 are available, please call for further information.



STUDER REVOX PR-99MKIII



The Studer Revox PR-99MKIII chassis is a machined alloy casting which is extremely stable. It features balanced ins/outs, a real time tape counter, -33%/+50% vari-speed with a standard rack mount frame.

PR-99MKIII	HS (7.5/15IPS) or STD (3.75/7.5IPS)	\$ 3,495.00
PR-99	Repro only, EOM sensor STD or HS	\$ 2,795.00
	Remote control w/32 foot cable	\$ 175.00
	Roll around floor console	\$ 825.00

TASCAM 22-2



The Tascam 22-2 is a recorder for user's who don't require micro-processor control or large reel capabilities. It has front panel left and right 1/4" microphone jacks/controls and has a great deal in common with the more costly open reel machines.

22-27	7" reel 1/4" 2 track	\$ 1,399.00
RM-22	Rack ears for 22-2	\$ 60.00
RC-71F	Remote transport control	\$ 125.00
CS-607B	Roll around 19" rack stand	\$ 575.00
RST-15	Roll around 19" rack stand	\$ 275.00

STUDER

TASCAM

TASCAM 30 SERIES



The Tascam 30 series features 10 1/2" reel capacity, return to zero function, pitch control, dump/edlt capability, DC motors, full motion sensing with dynamic reel braking and permalloy heads. Phono ins and outs at -10dBV.

32	1/4" half track two speed (7.5/15ips)	\$ 2,099.00
34B	1/4" four track two speed (7.5/15ips)	\$ 2,599.00
RC-71F	Full function transport remote	\$ 125.00
DX-2D	Two channel DBX type 1 dual process (32)	\$ 450.00
DX-4D	Four ch DBX type 1 Dual process (34B)	\$ 600.00
RM-300	Rack mount for 32 and 34B	\$ 60.00
CS-607B	Roll around 19" rack stand	\$ 575.00
RST-15	Roll around 19" rack stand	\$ 275.00

TASCAM BR-20



The BR in the Tascam BR-20 stands for BROADCAST. It has balanced +4dBm ins and outs with all major calibration controls easily accessible via the front panel. The transport is precision servo controlled for smooth operation and accurate real time counter readings. The BR-20 has a ±12% pitch control, direct time locate, built-in monitor speaker (optional on the BR-20T), three DC motors, a parallel remote

port, three presettable locate points plus zero and built-in rack mounts. The BR-20T timecode version has center channel time code, gapless punch in/out and spot erase. This machine is an excellent value for your dollar!

BR-20	2 track reel to reel	\$2,799.00
BR-20T	2 track reel to reel w/center ch. timecode	\$3,299.00
RC-402	2 transport remote control	\$ 225.00
CS-607B	Roll around 19" rack stand	\$ 575.00
RST-15	Roll around 19" rack stand	\$ 275.00

STUDER REVOX C270



The Studer-Revox C270 pro machine features constant tape tension for one hand cueing, 33%/+50% vari-speed programmable autolocator, an internal monitor speaker, headphone output, and a built in RS-232 serial port. All audio electronics are modular, phase compensated, accessible under a hinged front panel and include Dolby HX Pro®. It has pointer type VU meters with peak LED.

C270	Full or half track - specify NS (3.75/7.5IPS) HS (7.5/15)	\$ 3,995.00
	Floor console for C270 series	\$ 825.00
	Transport remote w/counter reset, Z locate	\$ 245.00
	Autolocator w/18 addresses, transport control C270 series	\$ 950.00



NOISE REDUCTION

BEHRINGER

CRL

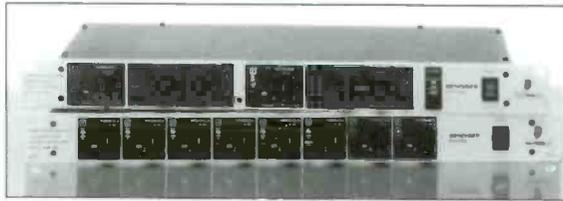
DBX

DOLBY

RADIO SYSTEMS

ROLAND

BEHRINGER DENOISER



The Behringer Denoiser is a single-ended two or eight channel noise reduction unit with a cut-off frequency active over a range from 800 Hz to 20kHz. The SNR202, two channel unit contains an additional downward expander providing more noise reduction capabilities.

SNR202	2-channel	\$379.99
SNR208	8-channel	\$699.99

DBX 140X/150X



The dbx 140X and 150X provide more than 40dB of extra dynamic range. The 140X is ideal for cart machines, telco lines, videotape audio tracks, STL's, etc. The 150X is for open-reel tape machines, full-bandwidth digital recorders, etc. Units are half/rack and 1U.

140X	Type II noise reduction, 2 channel	\$319.00
150X	Type I noise reduction, 2 channel	\$319.00

DBX 563X



The dbx 563X Hiss Reducer™, is a single ended noise reduction unit for eliminating constant hiss. It is a single channel unit with one slider and has a front panel gain trim along with instrument input. 1/2 rack 1U.

563X	\$229.00
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DOLBY 363



The Dolby Model 363 provides two channels of *Dolby SR* and/or *A-type* noise reduction. Features include automatic record/play change-over, built-in *Dolby* noise/tone generators, auto compare test facility, and active balanced input and output circuitry.

363 SR/A	Two-channel unit with cat. no. 300 switchable <i>Dolby SR</i> and <i>A-type</i> module	\$2,995.00
363 SR	Two-channel unit with cat. no. 350 <i>Dolby SR</i> only modules	\$2,655.00

RADIO SYSTEMS DOLBY® S



The Radio Systems RS, *Dolby® S* noise reduction with phase correction system, is packaged in a 1U frame that incorporates the power supply and up to three stereo encode or decode cards. RS will provide an improvement in audio quality to solve the toughest problems of analog audio: noise and phase error.

Mainframe	Holds 3 encode/decode cards	\$495.00
Encode Card		\$595.00
Decode Card	With <i>Dolby®</i> & phase correction	\$595.00
Phase Correction Card	With phase correction only	\$495.00

CRL DX-1 & DX-2



The CRL DX-1 is a mono, single-ended noise reduction system using the patented Dynafex® process. Dynafex circuitry combines dynamic filtering with downward expansion to give you up to 30 db of noise reduction. Additionally, the DX-1 provides user-adjustable bandwidth, threshold, brilliance and release time constant controls to help fine-tune the noise reduction application.

DX-1	\$745.00
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The CRL DX-2 is a two channel dual version of the DX-1 (mono or stereo). The DX-2 is electrically identical to the DX-1 with the following exceptions: "Bandwidth" and "release-time" adjust are not brought out through the front panel on the DX-2. These functions are handled automatically and are program dependant.

DX-2	\$850.00
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ROLAND SN-550



The SN-550 is a fully digital noise elimination system that employs exclusive DSP circuitry to remove all types of noise without "breathing" or changing the tonality of the overall sound. This is achieved with two separate noise reduction circuits that handle noise and hum independently. The SN-550's single-ended design can perform noise cancellation in real time, making it ideal for broadcasting, sound reinforcement and other professional applications.

SN-550	Digital noise eliminator	\$2,095.00
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ANALOG AUDIO TAPE

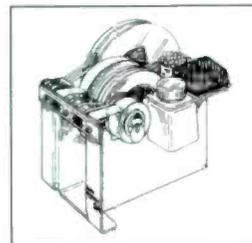
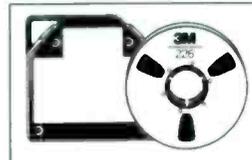


SCOTCH

Audio Mastering Tapes

1.5 mil polyester with back treatment - high output/low noise for critical studio music mastering.

996-1/4-1200-PR7	Plastic reel in box, 20/carton	\$ 14.00 each
996-1/4-2500-HPB	Hub - plastic bulk, 12/carton	\$ 20.30 each
996-1/4-2500-RD-10-1.2"	10-1/2" reel in box, 10/carton	\$ 37.10 each
226-1/4-1200PR7"	Plastic reel in box, 20/carton	\$ 12.38 each
226-1/4-2500HPB	Hub - plastic bulk, 12/carton	\$ 17.98 each
226-1/4-2500RN 10-1/2"	10-1/2" reel in box, 12/carton	\$ 32.54 each



SCOTCH

Splicing Tape

620-7/32-66 Boxed	White splicing tape, 66 feet	\$ 5.65 each
67-7/32-100 Boxed	Blue splicing tape, 100 feet	\$ 7.37 each
RSD-1	Studio dispenser kit, w/o supplies	\$ 266.63

Professional Cassettes

AVX-10 Bulk	10 min., trays of 25 w/o box	\$ 0.84 each
AVX-20 Bulk	20 min., trays of 25 w/o box	\$ 0.90 each
AVX-30 Bulk	30 min., trays of 25 w/o box	\$ 0.94 each
AVX-46 Bulk	46 min., trays of 25 w/o box	\$ 0.99 each
AVX-60 Bulk	60 min., trays of 25 w/o box	\$ 1.04 each
AVX-90 Bulk	90 min., trays of 25 w/o box	\$ 1.30 each
AVX-120 Bulk	120 min., trays of 25 w/o box	\$ 2.25 each



MAINTENANCE



PERFECT DATA



Office Equipment Care System



Fax Cleaning System

105250-1A	Office Equipment Care System	\$ 45.00
105217-1A	Fax Cleaning System	\$ 15.00
105479-1	Clean 'N' Protect	\$ 22.50
105092-1	Keyboard Cleaning System	\$ 19.00
105435-1	Spray 'N' Lift, 4 oz.	\$ 3.00
104576-1	Anti-Static Solution, 16 oz. Spray	\$ 5.50
104578-1	Anti-Static Solution, 32 oz. Spray	\$ 8.00
104579-1	Anti-Static Solution, 1 Gallon	\$ 22.00

PERFECT DATA



Keyboard Cleaning System



Clean "N" Protect



Spray "N" Lift



Anti-Static Solution



MAINTENANCE

INTRACLEAN

CAIG LABS

INTRACLEAN



INTRACLEAN S-711 is formulated to clean tape heads, tape guides, capstans, and pinch rollers (not for use on PVC or Styrene components). It will remove tape oxides, soils, oils, waxes, greases, and other various contaminants while still maintaining the desirable properties of low toxicity and non-flammability. In addition, the evaporation rate is controlled to combine maximum cleaning power with fast drying. Due to its low surface tension and excellent wetting of surfaces, penetration of remote crevices is accomplished. INTRACLEAN S-711 is non-hygroscopic, eliminating moisture or residue which can settle on components. This will promote extended life and healthy textures to the pinch roller. Alcohol and CFC free.

S-711B	Head cleaner 2 oz.	\$ 8.95	D-511B	Wand demagnetizer	\$ 21.25
S-721B	Mild head cleaner 2 oz.	\$ 8.95	K-161	Pro combo kit S-711, D-511B, CS-1B	\$ 26.00
V-301B	Video head cleaner 2 oz.	\$ 8.95	DAT-101	DAT cleaner	\$ 29.95
S-711Q	Head clean 1 qt.	\$ 18.75	LL-151	Laser lens cleaner	\$ 24.95
S711G	Head clean 1 gal.	\$ 50.00	V-311	VHS video cleaner	\$ 19.95
V-301Q	Video head cleaner 1 qt.	\$ 29.95	V-321	Beta cleaner	\$ 19.95
DP-3	Dispenser pump 6 oz. ceramic	\$ 16.95	V-331	8mm cleaner wet type	\$ 25.00
VS-1B	Video chamois swabs bag of 25	\$ 10.00	V-311D	8mm cleaner dry type	\$ 19.95
CS-1B	Audio cotton swabs bag of 100	\$ 1.20	V-341	VHS-C cleaner	\$ 25.00

CAIG LABS



Caig formulations are highly concentrated - only small amounts are required (typically one quick spray or drop per application). Caig, environmentally conscious, is constantly striving to provide, improve and develop environmentally safe products and packaging.

DeoxIT's advanced formula contains deoxidizers, preservatives, arcing and RFI inhibitors and anti-tarnishing compounds that significantly increase the performance and reliability of electrical components and equipment.

PreservIT seals, lubricates and preserves metal surfaces against oxidation and contamination. It provides long-lasting protection for newly manufactured components or those cleaned by ultrasonics, DeoxIT or other procedures.

ProGold is a one-step treatment specifically formulated to protect and improve conductivity on gold, base metals and other precious metals, enhancing the conductivity characteristics to efficiently transmit electrical signals.

Caeon is for removal of oil, grease and dirt from metal, plastic or elastomeric parts. No residue, non-flammable (Freon® TF - Dupont).

DustALL™ Dt3 quickly and safely removes dust, lint and particles from sensitive electronic equipment.

FreezALL™ Fz7 quickly and safely cools circuits to -54 degrees C. Locates intermittent components due to heat failure or hairline cracks on printed circuit boards and provides low temperature testing of electronic circuits.



D5S-6	DeoxIT Spray (5%), 5.5 oz. can (recommended replacement for Cramolin R5-6)	\$ 10.00
P5S-6	PreservIT Spray (5%), 5.5 oz. can (recommended replacement for Cramolin B5-6)	\$ 10.50
G5S-6	ProGold Spray, 5.5 oz. can (metered valve)	\$ 18.95
K-100A	Electronic Maintenance Kit includes 2 dram bottles of DeoxIT & PreservIT, lint-free paper, lint-free cloth, foam swabs, cleaning brushes, and application guide	\$ 18.95
CL27S-16	Caeon 27, 14 oz. cleaning solvent spray	\$ 12.95
LFC-P100	Lint-Free Cloth - polypropylene, box of 100	\$ 4.50
LFC-C/100	Lint-Free Cloth - cotton, box of 100	\$ 8.25
DT3S-10	DustALL, 10 oz. can	\$ 6.95
FZ7S-10	FreezALL, 10 oz. can	\$ 6.95



GENEVA



PF-211	Video/Audio 2300 gauss tape eraser	\$ 69.95
PF-215	Video/Audio 2800 gauss tape eraser	\$ 89.95
PF-132	32 ounce liquid head cleaner	\$ 23.90
PF-601	4 ounce Magview developer spray	\$ 15.00
PF-112	6 3/4 ounce rubber revitalizer	\$ 7.01
VR-109	SuperBlast high pressure air duster	\$ 10.99

GENEVA

SONY/MCI

VIF INTERNATIONAL

SONY / MCI PARTS



We carry a large inventory of parts for Sony and MCI JH-110 series tape recorders ready for immediate delivery.

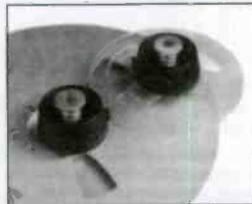
Call For Further Information & Pricing

MCI JH-110 Technical updates - complete \$25.00

VIF INTERNATIONAL

VIF-1000 Fits all recorders having 5/16" diameter smooth shafts such as MCI JH-100, Ampex, Dictaphone, ITC, Scully 270, 280, 280B, and Sony \$20.00

VIF-1000-0 Fits all recorders having 8mm diameter smooth shafts such as Otari, Scully 250 and 255 \$20.00



FIDELIPAC

FIDELIPAC CARTRIDGE ACCESSORIES



Professional Alignment Accessories

326: Head height gauge	\$ 30.00
328: Head insertion gauge	\$ 8.00
387: Right angle zenith gauge	\$ 36.00
452: Wow and flutter test cartridge (3150 Hz)	\$ 39.00
455: Sweep frequency response test & alignment cartridge, full track	\$ 47.00
456: Sweep frequency response test & alignment cartridge, stereo	\$ 47.00
HG-I: Head height & zenith gauge (for use with DYNAMAX machines only)	\$ 44.00

Fidelipac Bulk Erasers

BLANK-IT™ is molded unbreakable lightweight plastic. It's high mu magnetic core supplies 1550 Gauss of erasure power at 1/4" from its base center, and will perform at a longer duty cycle than similar units.

Model 395	110VAC	\$ 75.00
Model 395-FP	6-pack felt base pads	\$ 3.00



Fidelipac's Model 400 is a powerful bulk eraser, providing over 2000 Gauss of erasure power. Featuring a hardwood case, scuff resistant laminate top, die cast zinc edge guide, removable aluminum pivot pin, and non-skid rubber feet, it will efficiently erase reel sizes up to 11" in diameter.

Model 400	110VAC	\$130.00
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MAINTENANCE

XEDIT

XEDIT

AUDIOLAB



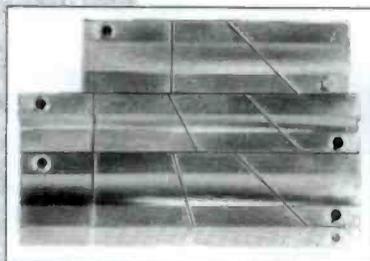
Splicing Tabs

CL-1	1/4"	Mylar/10
		\$16.50/250 \$45.00/1000

Also available in foil and other sizes.

Editing

FAB-28205	White grease pencils, each	\$ 1.00
FAB-28206	Yellow grease pencil, each	\$ 1.00
RB-1	Razor blades, box of 100	\$13.00
Swabs	6" wooden stick, cotton swabs, box of 1000	\$13.00



Splicing Blocks

S-1	Cassette	5.75 x 1	90/45	Countersunk holes	\$46.00
S-2/90	1/4"	4 x .75	90/45	Adhesive tape	\$42.00
S-3	1/4"	5.75 x 1	60/45	Countersunk holes	\$46.00
S-3D	1/4"	5.75 x 1	90/60/45	Countersunk holes	\$60.00
S-3/OT	1/4"	5.87 x .75	90/60/45	Adhesive tape	\$60.00

Degree Cut

Other sizes and mounting configurations available.

AUDIOLAB

Audiolab TD-5

- Erases audio, video and data tapes; up to 1500 oersteds and reels up to 16 inches in diameter and 2 inches in width.
- Provides a 3700 effective Gauss field.
- Built-in timer has adjustable "ON" cycle and automatic shut-off. TD-5-230-50/220-250 VAC
- Automatic cooling fan operation.
- Overheat light with automatic thermal protection prevents exceeding duty cycle on "HI" position.
- Thermal protection resets to normal operation automatically.
- High-Low operation with continuous duty erasing on Low position for most tapes.
- Standard 5/16" center post with 3 inch NAB hub supplied.

TD-5-115-60	110-125VAC, 60Hz	\$1,495.00
TD-5-115-50	110-125VAC, 50Hz	\$1,515.00
TD-5-230-XX	220-250VAC, specify 50 or 60Hz	\$1,535.00
2400-008	Beta SP tape adapter for TD-5	\$ 45.00

Audiolab CDS-3500

The Audiolab CDS-3500 belt drive tape degausser automatically erases all magnetic tape cassettes with a coercivity up to 1600 oersteds and a cassette width of up to 5". It transports the tape via conveyor belt into and out of the degaussing field. The high/low field strength switch provides the user with the option of continuous duty degaussing of standard oxide tapes, i.e. VHS, or intermittent duty degaussing of metal particle tapes, i.e. Beta SP. It takes only one pass or 3.75 seconds to erase standard oxide tapes and two passes or 8 seconds to erase metal particle tapes.

CDS-3500	220-250VAC, 60Hz	\$5,675.00
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Audiolab TD-4A

- Erases audio, video and data tapes; U-Matic cassettes up to 750 oersteds and reels up to 16 inches in diameter and 1 inch in width.
- Provides a 2550 effective Gauss field.
- Built-in timer has adjustable "ON" cycle and automatic shut-off.
- Automatic cooling fan operation.
- Overheat light with automatic thermal protection prevents exceeding duty cycle on "HI" position.
- Thermal protection resets to normal operation automatically.
- High-Low operation with continuous duty erasing on low position for most tapes.
- Standard 5/16 inch center post with 3 inch NAB hub supplied.

TD-4A-115-60	110-125VAC, 60Hz	\$ 950.00
TD-4A-115-50	110-125VAC, 50Hz	\$ 975.00
TD-4A-230-XX	220-250VAC, specify 50 or 60Hz	\$ 975.00



Audiolab TD-1B

- Erases audio, video, computer data, magnetic films, cartridges, and diskettes.
- For tapes up to 1/2 inch in width.
- Accommodates up to 10 1/2 inch NAB reels.
- Positive results every time with a simple two pass operation.
- Transient protection to prevent permanent tape damage.
- Thermostatically protected.

TD-1B	117VAC, 50-60Hz	\$ 135.00
TD-1BF	230VAC, 50-60Hz	\$ 145.00
2400-007	NAB Hub adapter for TD1	\$ 7.00





R. B. ANNIS



		Han-D-Mag Only	Kit K/25
Model 115-S	Short probe (2 1/4")	\$ 31.00	\$ 84.00
Model 115-L	Long probe (4 1/4")	\$ 39.00	\$ 92.00
Model 115TS	Thin, short probe	\$ 35.00	\$ 88.00
Model 115TL	Thin, long probe	\$ 43.00	\$ 96.00
Model 25/5, range 5 gauss			\$ 50.00
Set of steel test strips			\$ 2.00
Clip-on extension probe for magnetometer			\$ 3.70

R. B. ANNIS

Annis Han-D-Mags are now available in 8 different models. The "thin probe" (0.315" thick as compared to 0.415") are powerful probe type, head demagnetizers, having a husky 2000 gauss flush pole face. The Annis Pocket Magnetometer 25/5 measures residual magnetism levels in recorder heads, capstans or tape guides and indicates when it's time to demagnetize and when it's safe to use a recorder, preventing permanent damage to recorded tapes. Han-D-Kits include a magnetometer, clip-on extension probe plus a set of steel test strips and instructions.

CARTRIDGE TAPES



AUDIOPAK BROADCAST CARTRIDGES



Audiopak A-2's come with a black casing and 605 ferric oxide tape for mono applications.

AA-3's come with high-output, low-distortion 613 tape in the familiar dark blue "neutral-design" casing, or "digital-ready".

AA-4's come with 614 tape, a premium oxide formulation designed for superior high frequency saturation headroom, in a light blue casing with the same neutral design as the AA-3.

Replacement Parts for all carts are available.
Call for more information.

Broadcast Cartridges (std. pack 24)	A-2	AA-3	AA-4
Time	Price	Price	Price
Bulk empty	\$3.80	N/A	N/A
Empty	\$4.00	\$5.25	N/A
10, 20, 35, 40, 50, 65, 70, 90, 100 sec.	\$5.00	\$6.10	\$7.00
140 Sec, 2.5, 3.0, 3.5, 4.0, 4.5 min.	\$5.65	\$6.80	\$7.75
5.0, 5.5, 6.0, 6.5, 7.5, 8.5, 10.5 min	\$6.30	\$7.90	\$9.00
Lubricated Tape			
7" x 1800' Reel 17-918-100	\$15.80	\$19.00	\$30.00
4200' Hub 17-942-605	\$20.00	\$28.00	\$30.00
8400' Hub 17-984605	\$30.00	N/A	N/A

AUDIOPAK

FIDELIPAC

ITC CART II

FIDELIPAC CARTS

DYNAMAX® COBALT (NAB Type AA-charcoal base, smoke, gray cover) loaded with Dynamax® DYN-1000X Cobalt tape is recommended for critical stereo applications requiring elevated recording levels, maximum signal to noise performance, and extended high frequency.

MASTERCART (NAB Type AA-red base, clear cover) loaded with Dynamax® DYN-400X standard tape is recommended for stereo applications requiring standard operating levels.

MODEL 350 (NAB Type A - gray base, clear cover) loaded with Dynamax® DYN-400X standard tape is recommended for stereo applications at standard operating levels, where tunable stereo

phase control is desired. All Model 350 cartridges are factory adjusted to within 10 degrees of nominal phase alignment at 10 kHz prior to shipment.

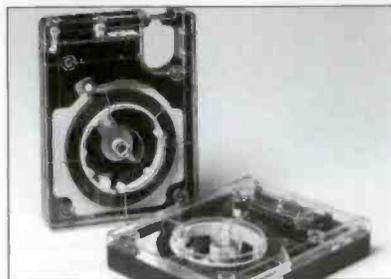
MODEL300 (NAB Type A-gray base, clear cover) loaded with Dynamax® DYN-400X standard tape is recommended for general purpose monophonic use at standard operating levels.

AUDIOMAX® 3000 (NAB Type AA- purple base, clear cover).

AUDIOMAX® 4000 (NAB Type AA - blue base, clear cover) loaded with Dynamax® DYN-600X tape is for critical stereo applications.
Please call for pricing.



ITC CART II BROADCAST CARTRIDGES



ITC Cart II broadcast cartridge utilizes a passive system of internal tape guidance, which allows your cartridge machine to do a precise job.

Cat. No.	Standard Pack	List Price Each	Cat. No.	Standard Pack	List Price Each
AA-0	10	\$ 7.75	AA-3.5	10	\$ 9.59
AA-10	10	\$ 7.81	AA-4.0	10	\$ 9.84
AA-20	10	\$ 7.83	AA-4.5	10	\$ 10.09
AA-40	10	\$ 7.85	AA-5.0	10	\$ 10.34
AA-70	10	\$ 8.10	AA-5.5	10	\$ 10.59
AA-100	10	\$ 8.39	AA-6.5	10	\$ 11.09
AA-2.5	10	\$ 9.09	AA-7.5	10	\$ 11.59
AA-3.0	10	\$ 9.34	ITC II Tape	Bulk 4000'	\$ 50.00



CARTRIDGE MACHINES

AUDI-CORD

BROADCAST ELECTRONICS

FIDELIPAC

AUDI-CORD DL SERIES



The Audi-Cord DL Series is an excellent value. The playback decks have replay lock out, audio muting (secondary tone switchable) and automatic motor turn off. The record decks have analog VU meters, automatic meter switching from record to play and an optional timer. The DL Series also has a dual transport, Record/Play

available. This machine will allow you to make dubs or stereo to mono mix dubs.

DL-PM	Mono playback only	\$ 920.00
DL-PS	Stereo playback only	\$ 1,000.00
DL-RM	*Mono record/play	\$ 1,290.00
DL-RS	*Stereo record/play	\$ 1,480.00
DL-DM	*Dual mono record/play	\$ 2,270.00
DL-DS	*Dual stereo record/play	\$ 2,630.00
184-0009	Tertiary tone detector	\$ 38.50
185-0007	8kHz ter osc (rec)	\$ 60.50
185-0005	Timer assembly	\$ 100.00
185-0006	Rack shelf	\$ 68.75
*Add -5	Timer, recommended factory installed with initial purchase	\$ 80.00

FIDELIPAC CTR10



The Fidelipac Dynamax CTR10 series has been upgraded with an improved head block and toroidal transformer to compliment the audio quality of digital audio systems. The CTR10 is ruggedly constructed with a precision DC capstan motor and PLL

control circuitry for excellent speed stability. Inputs and outputs are via XLR's or 9 pin "D" connectors. Remote control, tallies and FSK data interfacing are accessed thru a 50 pin "D" connector. The CTR10 has a two year manufacturer's warranty.

CTR11	Mono playback only	\$ 1,795.00
CTR12	Stereo playback only	\$ 1,935.00
CTR13	Mono record/play	\$ 2,640.00
CTR14	Stereo record/play	\$ 2,890.00
RM1S	19" rack mount shelf	\$ 100.00
FP-2	Filler panel, 1/2 rack width	\$ 20.00
FP-3	Filler panel, 1/3 rack width	\$ 20.00
FP-6	Filler panel, 1/6 rack width	\$ 20.00

Also available from Fidelipac is the Series 100, please call for information.

CTR-100 PRICES

CTR111	Mono playback only	\$ 2,675.00
CTR112	Stereo playback only	\$ 2,880.00
CTR123	Mono record/play	\$ 4,475.00
CTR124	Stereo record/play	\$ 4,830.00
CTR112MX	Maxtrax Heads Stereo playback only	\$ 2,935.00
CTR124MX	Maxtrax Heads Stereo record/play	\$ 4,990.00

BROADCAST ELECTRONICS DURA-TRAK 90



The Broadcast Electronic's Dura-Trak 1s built to deliver long term reliability with a mechanical design derived from the Phase Trak 90 machine. A superior cartridge guidance system, previously played cart lockout and instrumentation quality balanced inputs and outputs are a few of the features that make the Dura Trak 90 a great cart machine value.

DT90AP	Mono playback only	\$ 1,650.00
DT90ARP	Mono record/play	\$ 2,500.00
DT90APS	Stereo playback only	\$ 1,800.00
DT90ARPS	Stereo record/play	\$ 2,750.00
Rack shelf for 19" rack, 7" high		\$ 220.00

BROADCAST ELECTRONICS SPLICE TRAK 90



The Broadcast Electronic's Splice Trak 90 with its dual erase heads will erase any standard NAB cart to a typical erase depth of 90dB. Ignoring tape colorations which might fool an optical system, the splice finder senses the tape thickness at the splice.

Splice Trak 90 \$1,150.00

FIDELIPAC ESD-10

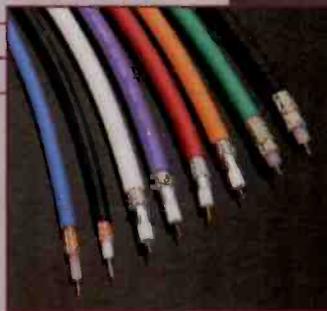
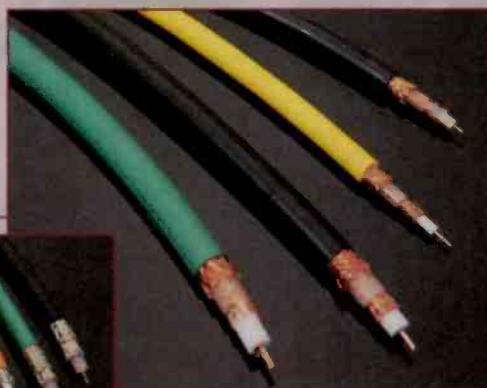
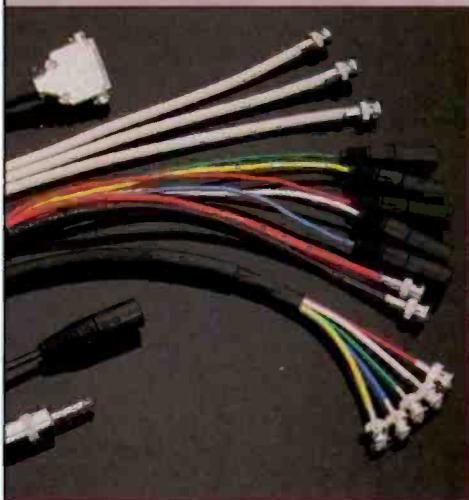
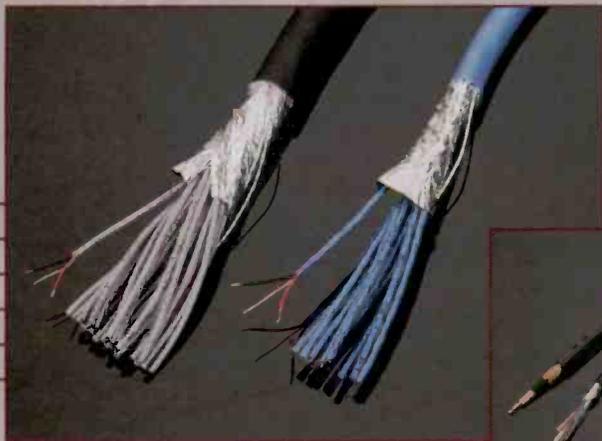


The Fidelipac ESD10 achieves an erase depth of 75dB, or more. It uses dual, high quality erase heads, a patented splice find system and requires no sensitivity adjustments.

ESD10 \$1,190.00

Audio, Video & Broadcast Cables

Cable products designed, developed, and proven for professional use.



GEPCO INTERNATIONAL

FIRST

To Build and Ship Air-Cooled IOT Transmitters

FIRST

Public Demonstration of High Definition Television Broadcasting

FIRST

To Develop and Ship Solid-State FM Radio Transmitters to 8kW

FIRST

To Offer Self-Correcting Intelligent Controllers

FIRST

To Offer All Current Transmitter Amplification Technologies

FIRST

To Develop a Digital Quality FM Exciter

FIRST

To Offer Transmitter Power Levels From 1 W to 240kW

HOW IN THE WORLD DOES TTC DO IT?

Only one company keeps coming up first in the broadcast transmission industry - TTC. Surprised? Don't be. Only TTC offers all five current television amplification technologies. And, that same company pioneered the development of solid-state FM transmitters. In fact, TTC has been designing and building products for the broadcast transmission

industry around the world for 25 years. No other company can offer you our knowledge and experience in low power television, translators/transposers, high power television and FM radio. No other company is as dedicated to supplying you with the highest quality broadcast equipment to suit your needs. That's how TTC does it.

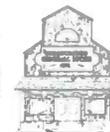
FIRST.

A Global Force In Broadcast Transmission Technology



TELEVISION TECHNOLOGY CORPORATION

CARTRIDGE MACHINES



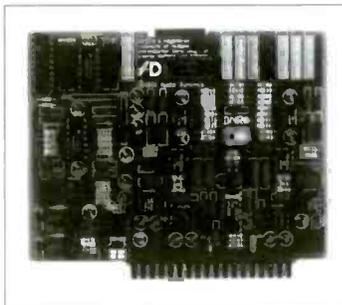
TAPECASTER SERIES 900



TapeCaster Series 900 features: cartridge replay indicator; 1/3 rack space; LED level meter selectable for monitoring playback, record or automatic; three cue tones with defeat function; LED indicator for all cue tones; toroid power transformer; all tones can be recorded in playback as well as record mode; playback amp muting; and replay lockout option.

900P	Mono playback only	\$ 1,295.00
900RP	Mono record/play	\$ 1,795.00
900PS	Stereo playback only	\$ 1,395.00
900 RPS	Stereo record/play	\$ 1,995.00
46026-00	Rack tray assembly	\$ 109.95
44343-00	Extender card	\$ 49.95
99X00015-00	50 Hz option	\$ 150.00
99X00008-01	220 Hz VAC option	\$ 90.00

AUDIO DYNAMICS AD 302/303/304



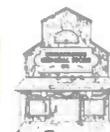
Consider Audio Dynamics boards if you aren't satisfied with the performance of your cartridge machines but don't want to buy into the uncharted world of data compression. These cards offer audio performance for your ITC SP, WP, 3D, or RP cartridge machines that's virtually indistinguishable from CD or the new digital "cart" machines.

AD-302	Playback amplifier for ITC Delta machines	\$ 259.00
AD-303	Record amplifier for Premium line machines	\$ 239.00
AD-304	Playback amplifier for ITC Premium machines	\$ 249.00
AD-200	Transformerless balanced output module for ITC Omega machines	\$ 39.95

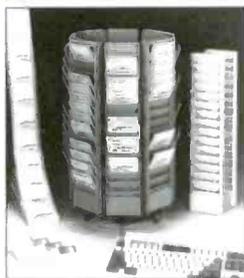
AUDIO DYNAMICS

TAPECASTER

MINI DISC RECORDERS



FIDELIPAC DYNAMAX DCR1000



The Dynamax DCR1000 Series features simple cart-like operation and requires little or no training. Its durable, maintenance-free design and use of standard 3 1/2" floppy disks to store high quality digital audio will reduce operating costs at your facility. Not only will you achieve consistently excellent audio, but you will eradicate phase errors and wow and flutter. The DCR player includes an RS-232 port for logging and machine control as well as conventional remote control of all functions and indicators. A built-in clock/calendar with battery backup permits inclusion of the date and time in logging entries as well as checking spots against their kill dates. Replay lockout prevents accidental replay without first changing a disk. The DCR record module includes a standard PC/AT keyboard that permits titling carts, editing their Secondary and Tertiary cues, end checking, and looping. A Centronics parallel printer port is included for automatic generation of cart labels.

DCR1020	Master Player	\$2,975.00
DCR1040	Record Module (includes keyboard & template)	\$2,500.00
TD10	Master Disc, 13MB certified w/DCR format (Box of 10)	\$ 87.50
LAB500	Diskette Labels, Latex reinforced, tractor feed (Box of 500)	\$ 35.00
TR120S	Table top diskette rack, silver/grey, 120 diskette capacity	\$ 250.00
TR60S	Table top diskette rack, silver/grey, 60 diskette capacity	\$ 130.00
WR15S	Wall rack, silver/grey, 15 diskette capacity	\$ 25.00

Racks available in other colors

BROADCAST ELECTRONICS

FIDELIPAC

SONY

BROADCAST ELECTRONIC'S DISC TRAK



The Broadcast Electronic's Disc Trak digital cart machine uses inexpensive 3 1/2" floppy disks as the removable media. They incorporate 16-bit linear digital technology to deliver superior digital audio. These units feature instantaneous cueing, with up to 8 separate audio tracks on a one diskette. Playback options include single play, sequence and loop. They have standard

console start/stop logic inputs, user-defined system setup, automatic recognition of track sampling rate and stereo/mono selection. Verbatim floppy diskettes are available in 2 and 4 mega-bytes and carry a lifetime warranty. Call for complete information.

DC-300 Record/play	\$ 4,995.00
Incl: 1 record/play deck, 2 play only decks	
DC-30 Three Play Only Decks	\$ 3,450.00
DC-10 One Play Only Deck	\$ 2,800.00
D-10R Record Amplifier for use w/DC-10	\$ 2,500.00
2M Disk Standard 2 MByte Disk	\$ 1.00
4M Disk Standard 4 MByte Disk	\$ 5.50
Rack AssyDC-300/DC-30 Rack Mount	\$ 300.00
Rack AssyDC-10 Rack Mount	\$ 200.00

SONY MDS-B1



The MDS-B1 and MDS-B2P offer the many incredible features of the MiniDisc system such as quick random access, easy handling and maintenance, high quality digital sound, table of contents editing capability and more, making them ideal for the on-air and production applications. Memory

start and cueing functions provide rapid playback, and an informative FL display (using up to 12 characters) indicates operating conditions and status. Single/continuous playback capability, random music sensor transmission and EOM functions also play important roles in enhancing operational convenience.

MDS-B1	\$ 3,000.00
MDS-B2P	\$ 2,200.00
MiniDiscs 60 minute (5 per box)	\$ 16.99 ea.
MiniDiscs 74 minute (5 per box)	\$ 19.99 ea.

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



CASSETTE DECKS

CARVER

DENON

MARANTZ

NAKAMICHI

SONY

CARVER PST-24



The Carver PST-24 dual auto-reverse dubbing deck features remote control, Dolby™ B-C & HX Pro noise reduction, continuous and relay play capability, high speed dubbing, dual peak-reading LED meters, REC mute, music search, MPX FM taping filter, auto tape EQ select, memory rewind and repeat, headphone jack, stereo MIC Input, and standard rack mounts.

PST-24 \$559.95

MARANTZ PMD 500



The Marantz PMD500 dual well, 2 head cassette offers record and play either simultaneously or serially as well as continuous playback. Optical sensing quick auto-reverse on both wells provides up to three hours of continuous recording. Other features include Dolby™ B, C & HX Pro, peak

holding LED meters, digital counters with memory rewind, automatic music search, quick music search, blank-skip mode, record mute, headphone jack, and rack mounts.

PMD500 \$599.00

NAKAMICHI MR-1



The Nakamichi MR-1 three head cassette recorder is specifically designed to meet the needs of the professional market. Front panel 1/4" balanced-line input jacks simplify temporary connection of signal sources, while balanced XLR input and output jacks or 1/4" jacks for unbalanced connection on the rear provide permanent connection.

MR-1 \$ 995.00

Remote Control \$ 50.00

NAKAMICHI MR-2



The Nakamichi MR-2 two head cassette recorder has the professional features you need at a budget price. It has RCA and 1/4" connectors in and out.

MR-2 \$ 695.00

Remote Control \$ 50.00

MARANTZ PMD



PMD-430



PMD-222

The Marantz PMD line of portable professional cassette recorders feature: pitch control; VU meters; mic/line inputs; built-in condenser mic, speaker, switchable limiter and AGC; and modular telephone jack. The units operate for 7 1/2 hours on 3 D cells, 5 1/2 hours on optional RB430, and also includes an AC adapter which operates the unit and recharges the RB430.



PMD-201

PMD-430	Stereo w/3 heads, 1/4" mic input & carry case	\$599.00
PMD-222	Mono with 3 heads, two speed, miniplug/XLR input	\$399.00
PMD-221	Mono with 3 heads, two speed, miniplug input	\$369.00
PMD-201	Mono with 2 heads, two speed, miniplug input	\$299.00
CLC-221	Vinyl carrying case	\$ 40.00
RB-430	Rechargeable NI-CAD batteries	\$ 75.00
CA-221	Car adapter for 12V DC operation	\$ 60.00
FSK-221	Field support kit	\$ 60.00
DA 36	120 AC to 4.6V DC adapter	\$ 45.00

SONY TC-D5PROII



The Sony TC-D5PROII portable stereo cassette recorder features reliable mechanisms including disc-drive capstan, a servo tape transport with coreless motor, twin VU meters, LED peak level indicator, built-in monitor speaker,

headphone jack and carrying case. Inputs are mic level XLR and outputs are unbalanced RCA connectors.

TC-D5PROII		\$980.00
ACD-468	AC adaptor	\$ 49.95

DENON DN-720R



The Denon DN-720R is a two-head professional cassette deck designed for our market. The list of features include long life amorphous heads, + - 12% vari-speed, accurate real time counter, rack mount brackets and wired remote control capabilities for all basic machine functions.

DN-720R		\$500.00
DN-770R		\$650.00

CASSETTE DECKS



TASCAM 202MKII



The Tascam 202 MKII dual record cassette deck is a cost effective mixdown deck and two

speed dubbing deck with the ability to make two identical copies simultaneously from an external master. For recording extended programs, the dual synchronous record mode allows sequential recording of both sides of the tape on both transports. Dual continuous auto-reversing playback is ideal for background music installations. It comes with Dolby™ B, C and HX PRO, dual microphone inputs and headphone jacks.

202 MKII		\$499.00
RMS-2	Rack shelf	\$ 45.00

TASCAM 122MKIII



The Tascam 122MKIII is the industry standard workhorse cassette deck designed for continuous

professional use. The 122MKIII tape counter offers both index and tape run time modes, providing an accurate visual guide to tape position as well as actual tape run time in minutes and seconds. Used in conjunction with the locator keys, the counter can be used to set up precise zero-return stop or play points, cue-point stop or rewind, or continuous block repeat between the counter-zero point and any cue point. Some of the other features include: balanced and unbalanced ins and outs, 3 heads, Dolby™ B,C, and HX Pro, front access bias and level calibration controls, built-in 400Hz and 10kHz test tones, front panel 1/4" mic and headphone jacks, provisions for fader start and 3 motors. The new 122MKIII adds a standard 25 pin remote connector and heavier duty transport.

122MKIII		\$ 1,299.00
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TASCAM

TASCAM 112MKII



The Tascam 112MKII is a professional rack mount two head cassette deck for those users requiring the stability and reliability of a top end machine. The "Cue & Review" functions provide the user with open reel type cueing in both fast forward and rewind modes. Some of the features include: Dolby™ B, C, and HX Pro, pitch control, zero return, front panel 1/4" mic input and headphone jack, three DC motors and RCA ins and outs.

112MKII		\$829.00
LA-112	Balanced ins & out kit for the 112MKII	\$100.00

CASSETTE DUPLICATORS



TASCAM T2640MS/2S

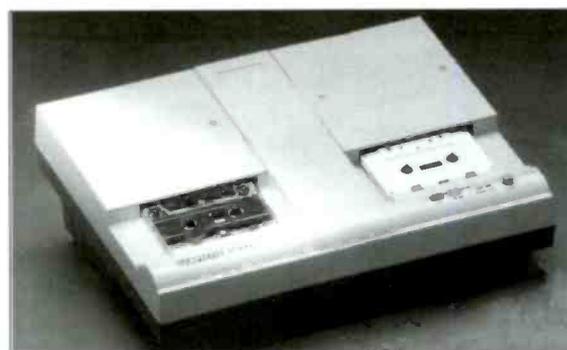


The Tascam T2640 high speed cassette duplicators are perfect for producing high quality, but relatively small quantities of music cassettes.

Copy speed is 8:1, but because of the unique capability to record all 4 tracks in one pass the "copy ratio" is actually 16:1. The T2640 features plug-in amp circuit boards, ball bearings on all rotating parts, master deck has pitch control, built-in monitor speaker, automatic rewind switch and automatic stop on slave deck synced to master with up to ten 2S to be slaved to each MS deck.

T2640MS	Master	\$2,999.00
T26402S	Dual slave transport	\$2,749.00

TELEX COPYETTE SERIES



The Telex Copyette series produces unlimited numbers of cassettes in stereo or mono.

Copyette 1 & 1	Half track, two ch., play only in original position, record only in copy position (30 ips)	\$ 450.00
Stereo Copyette	Quarter track, four ch., play only in original position, record only in copy position (25 ips)	\$ 735.00
Copyette 1 & 3	Half track, two ch., 1 play only in original position, 3 record only in copy positions (30 ips)	\$ 1,099.00
Stereo Copyette 1 & 3	same as previous	\$ 1,800.00

TASCAM

RECORDERX

TELEX

RECORDERX COURIER STEREO



The Recorderx Courier Stereo was designed for the user who needs an inexpensive, dependable high quality cassette duplicator. It has automatic rewind, track select capabilities and erase heads.

Courier Stereo		
15 ips		
(8:1 system ratio)		\$ 790.00



LEVEL INTERFACES

APHEX

ATI

BENCHMARK

ESE

HENRY ENGINEERING

TASCAM

VALLEY

ZERCOM

APHEX 124A



The Apdex Model 124A is a -10dBV to +4/8 dBm interface for linking consumer

type equipment to professional equipment. The 124A fits in a half rack space.

Model 124A \$ 229.00

Model 44-008 Rack mount adapter \$ 29.95

BENCHMARK



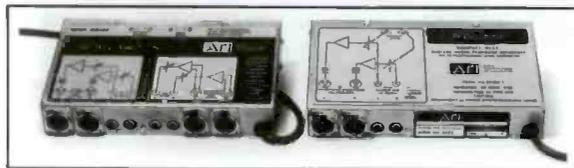
With Benchmark's differential amplifiers retrofit your consumer gear to pro standards.

DIA-1-6 Differential input amp ± 9 to ± 22 VDC -6 dBu \$60.00

DOA-3 Differential output amp ± 9 to ± 22 VDC AC coupled \$60.00

DOM-3 Differential output mixer ± 9 to ± 22 VDC \$60.00

ATI MM100/DP100



ATI Match-Maker MM100/Disc-Patcher DP100 will take the consumer levels and match them to your console or other professional equipment with the transparency and RF immunity expected from ATI.

MM100 Match-Maker Bi-directional, stereo xfmr outputs \$ 279.00

DP100 Disc-Patcher Uni-directional xfmr outputs \$ 249.00

P/N 20273-501 Rack mount for one or two units \$ 25.00

ESE ES 244



The ESE Audio Level interface is a stereo, bi-directional coupling unit. It provides an easy means of connecting equipment with unbalanced

inputs/outputs to equipment with balanced +4 or +8 dBm inputs/outputs.

ES 244 \$179.00

ES 244P2 (Dual ES 244) \$403.00

HENRY ENGINEERING MATCHBOX



The Henry Matchbox interconnects consumer equipment with professional studio gear. It is a bi-directional unit, with four independent amplifiers providing full stereo input and output interface. The gain is adjustable to accommodate either +4 or +8 system levels.

Matchbox \$195.00

TASCAM LA-40 MKII



The Tascam LA-40 MKII is a four channel, bi-directional, balanced and unbalanced line converter. The rear panel has ground lift switches

for each channel with an overall master switch and the front panel has ± 6 dB trim pot for each channel. A unique feature of the LA-40 MKII is the input Link which allows it to be used as a 1X3 distribution amp in the unbalanced mode.

LA-40 MKII \$450.00

VALLEY HH 2x2B



The Valley HH 2 x 2B Level Matching Interface resolves the level and impedance matching problems associated with interfacing -10dB equipment to the studio and broadcast equipment standards of +4dB and +8dB. It also ensures immunity from RF pick-up and hum due to electronic balancing of the +4/+8 inputs and outputs.

HH 2 x 2B \$ 179.00

HHRM Rack panel for one or two HH 2 x 2B \$ 20.00

ZERCOM GAIN BOX



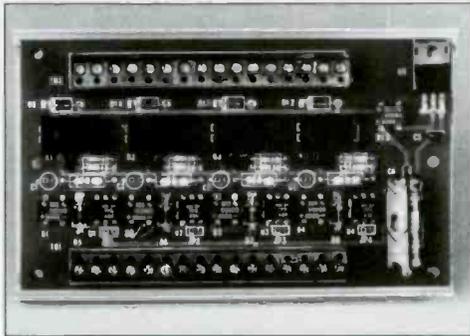
The Zercom Gain Box was designed and built as an audio boost amplifier. It has two independent channels of gain which means it can

be used for stereo or as two separate monaural amplifiers. The two channels can be wired in series for up to 60 dB gain.

Gain Box \$149.00



BROADCAST TOOLS UI-4



The Broadcast Tools UI-4, 3" x 5" universal interface, creates an SPDT relay and open collector output from an optically isolated 5-28 volt AC or DC input. Four channels of control are included and can operate independently, or may be combined for latched and multiple relay contact operation. Input and output connections are via lugless type terminals. The UI-4 is supplied with a plastic bracket for easy mounting. A self-contained power supply operates from 12 to 48 volts AC or DC. Optional external wall transformer is available.

UI-4	\$ 129.95
Wall transformer	\$ 14.95

BROADCAST TOOLS

HENRY ENGINEERING

SHURE

WHIRLWIND

HENRY ENGINEERING SUPERELAY



The Henry Superelay is a quick and easy relay interface for use in any studio installation requiring multiple circuit control. Superelay provides six double-throw relay outputs for low-voltage and audio switching. It can be controlled by any switch, momentary or maintained relay, or CMOS/ TTL logic circuit. The AC output is switched with a solid-state synchronous relay for direct powering of "On Air" warning lights. Includes an internal flasher circuit and 12 VDC/250 mA utility power supply.

Superelay \$225.00

HENRY ENGINEERING LOGICONVERTER



The Henry Logiconverter is an interface unit that facilitates remote control of studio equipment. It solves the incompatibility problems encountered when a broadcast console is used to provide remote start/stop control of peripheral equipment.

LogiConverter converts TTL/CMOS or open-collector console outputs to relay closures for remote interface that is compatible, reliable and isolated. The unit can be user programmed via internal dip switches to generate either momentary or maintained outputs from various inputs, with 24 combinations possible.

Logiconverter \$195.00

PROBLEM SOLVERS

Shure Problem Solvers

A15AS	Switchable microphone attenuator, 15, 20, or 25dB attenuation	\$46.50
A15BT	Bridging transformer	\$49.25
A15HP	High pass filter	\$44.75
A15LA	Line adapter	\$42.75
A15LP	Low pass filter	\$44.75
A15PA	Presence adapter	\$44.75
A15PRS	Switchable phase reverser	\$44.75
A15RS	Response shaper	\$44.75
A15TG	Tone generator	\$77.00

Shure Impedance Transformers

A85F	Low to high impedance matching transformer	\$20.75
A95UF	Low to high impedance matching transformer	\$42.00
A95U	Same as A95UF but w/3-pin XLR male low impedance connector	\$38.50
A97A	Low to medium impedance matching transformer	\$38.50
A97F	Low to medium impedance transformer w/miniplug output connector	\$45.50

Whirlwind Imp

Little IMP	Whirlwind in-line impedance matching transformer with female XLR connector to male 1/4" connector	\$11.50
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A15AS

A15BT

A15LA

A15PRS

A15TG





INTERFACES

RADIO DESIGN LABS

RADIO DESIGN LABS STICK-ONS™ & RACK-UPS™



Rack-Up RU-MX5



Rack-Up RU-VDA4



Rack-Up RU-DA4D



Stick-On ST-EQ3



Stick-On ST-ACR1M

RACK-UP™ PRODUCTS - 1U 1/3 Rack Width

AUDIO

RU-MX5	Mic/line mixer	\$ 189.00
RU-DA4D	Audio DA	\$ 198.00
RU-SM12	Dual audio meter	\$ 169.00

VIDEO

RU-VDA4	Video DA	\$ 199.00
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ACCESSORIES

RU-RA3	19" rack kit	\$ 23.95
RU-FP1	Filler panel	\$ 6.95
MB-1	Mounting kit	\$ 6.95
MB-2	Mounting kit	\$ 6.95
RU-WHA4	Harness adaptor kit	\$ 15.95
LBL-1	Label kit	\$ 6.95

STICK-ON™ PRODUCTS

LINE AMPLIFIER PRODUCTS

STA-1	Electronic transformer pair	\$ 112.95
STA-1M	Audio line amplifier	\$ 82.95

POWER AMPLIFIER PRODUCTS

ST-SH1	Stereo headphone amp	\$ 94.95
ST-PA2	Utility amplifier	\$ 52.95
ST-PA6	Power amplifier	\$ 63.95

MIXING PRODUCTS

ST-MX3	Line level mixer	\$ 94.95
ST-MMX3	Mic to line level mixer	\$ 104.95
ST-MLX3	Mic/line level mixer	\$ 99.95

DISTRIBUTION PRODUCTS

ST-DA3	Distribution amplifier	\$ 104.95
STM-DA3	Mic distribution amp	\$ 104.95

MICROPHONE PRODUCTS

STM-1	Microphone pre-amp	\$ 79.95
STM-2	Microphone pre-amp	\$ 109.95
STM-3	Microphone pre-amp	\$ 125.95
ST-MPA2	Mic phantom adaptor	\$ 65.95
ST-AMC3	Active mic combiner	\$ 94.95

PHONO PRODUCTS

ST-PH1	Stereo phono pre-amp	\$ 104.95
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VCA PRODUCTS

ST-VCA1	Voltage controlled amp	\$ 89.95
ST-VP1	Voice-over/page module	\$ 104.95

AUDIO PROCESSING PRODUCTS

ST-EQ3	Three band equalizer	\$ 73.95
ST-CL1	Compressor/limiter	\$ 115.95
ST-GCA1	Gain control amp	\$ 94.95
ST-GCAA2	Fast gain control amp	\$ 94.95

SWITCHING PACKAGES

ST-LCR1	Logic controlled relay	\$ 51.95
ST-LCR2	Logic controlled relay	\$ 85.95
ST-ACR1	Audio controlled relay	\$ 74.95
ST-ACR1M	Audio controlled relay	\$ 74.95
ST-ACR2	Audio controlled/silence sense relay	\$ 74.95
ST-VOX1	Audio VOX relay	\$ 79.95
ST-SSR1	Solid State audio "relay"	\$ 81.95

PASSIVE PRODUCTS

STD-150	Divider/combiner	\$ 36.95
STD-600	Divider/combiner	\$ 36.95
STD-10K	Divider/combiner	\$ 36.95
STP-1	Variable attenuator	\$ 39.95

ACCESSORIES

STR-19	Racking system	\$ 99.95
ACB-1	Headphone jack box	\$ 18.95
ACB-2	Dual RCA jack box	\$ 18.95
MB-1	Mounting kit	\$ 6.95
MSR-1	Snap rail adaptor, 10 pack	\$ 9.95
PS-24A	24VDC power supply	\$ 13.95

All product pricing is for individual modules.
PS-24A optional power supply purchased separately.



WHIRLWIND INTERFACES

The **HotBox** is a totally transparent active direct box, powered by two 9V batteries or 48V phantom power. It includes a ground lift switch and an LED on indicator.

HOT BOX \$140.00

The **Director** is a premium direct box that converts a line, instrument or speaker level signal to a low impedance mic level.

DIRECTOR \$ 78.25

The **IMP*2** is an economical direct box that converts a line or instrument level unbalanced signal to a low impedance balanced signal.

IMP*2 \$ 42.60

The **Micpower** is a portable +12 to 18VDC phantom power supply for use with most electret condenser microphones. The unit operates on two 9 volt batteries, and an LED sensing circuit indicates sufficient battery power. Input impedance: 1K Ω ; Output impedance: 150 Ω ; battery life 50 hours @ 4mA current draw.

MICPOWER \$ 65.00

IMP PADS are female to male XLR 3-pin in-line low impedance fixed attenuation devices. Input impedance (female XLR): 1K Ω ; Output impedance (male XLR): 150 Ω

IMP PAD 10 10dB \$ 22.40
IMP PAD 20 20dB \$ 22.40
IMP PAD 30 30dB \$ 22.40

Phase Reverse is a female to male XLR 3-pin phase reversing device which reverses the connection of Pin 2 and Pin 3 between connectors.

PHASE REVERSE \$ 19.75

Lifter is a female to male XLR 3-pin ground lift device which disconnects Pin 1 between connectors.

LIFTER \$ 19.75



HotBox



Director



IMP 2



Phase Reverse



IMP PAD



Micpower



Lifter

WHIRLWIND

CD MAINTENANCE



CD MAINTENANCE & ACCESSORIES



Geneva PF-412 is an auto-stop CD cleaner that has a straight radial cleaning pattern with an automatic 20-second cleaning cycle.

PF-412		\$ 39.95
PF-416	1.5 ounces of Disc Safe 5 cleaning solution	\$ 4.99
PF-418	Five replacement cleaning pads	\$ 10.99



Discwasher compact disc cleaner includes cleaning unit, CD-1 cleaning fluid, and one extra cleaning pad.

Audio Technica AT-6030 is a radial cleaning mechanism for automatic disk turning by slide lever operation.

AT-6030 \$29.95



Nitty Gritty compact disc cleaner system cleans, antistats, optically clarifies, and protects.

CD Master	\$ 49.95
Replacement jewel cases, each	\$ 0.60

DIS-FG1102	\$ 17.95
DIS-CD-1	4 ounces of cleaning fluid \$ 7.95
DIS-FG1109	Two replacement pads and one ounce of CD-1 fluid \$ 5.95



Insert the **Audio Source LLC-2** into your player or stacking cartridge as you would any other Compact Disc. The LLC-2 is the only lens cleaner specifically designed to operate correctly in stackers, changers, single-play units and CD ROM drives. In about ten seconds or less, your lens will be clean.

LLC-2 \$29.95

MAINTENANCE



CD PLAYERS

DENON

ROTEL

SONY

DENON DN-951FA



The Denon DN-951FA reads bar codes for Automatic Track Selection, has rotary track and index select, and fits 3 across in a rack. The Auto Track Select System is available in 3 different configurations: track exclusive, priority or lockout. The DN-951FA will play partially recorded WORM CDs that do not have a table of contents. CD's are stored in a CD cartridge and protected from scratches, dust and fingerprints. User selectable configurations include: fixed speed increase in 0.2%

increments, single or continuous playback, variable end monitor function, adjustable end of message warning, variable cue level threshold and more.

DENON DN-951FA	\$ 1,350.00
ACD-5B Cartridge	\$ 3.98
Extra labels (10 per sheet)	\$ 0.50
Audio Technical Disc	\$ 19.95
Track exclusive mode kits 10 each track 1-3	\$ 9.00
Track exclusive mode kits 10 each track 4-6	\$ 9.00
Track exclusive mode kits 10 each track 7-9	\$ 9.00
Any track mode kits 1 each track 1-30	\$ 9.00

Middle Atlantic Rack Adapters Single/Dual see page 48

ROTEL RCD 955AX/965BX



The Rotel RCD955 is an audiophile CD player in a standard table top package. Features include Intro Scan, which provides the listener with an automatic 10 second preview of each selection, and a search function that gives accurate three speed music search with cueing. Outputs include both RCA line out and digital out.

RCD955AX w/IR remote	\$449.90
RCD965BX w/IR remote	\$549.90

DENON DN-961FA



The DN-961FA is Denon's first drawer loading entry in the broadcast market. It has all of the features of the DN-951FA except it does not read the bar codes and has Eject Lock during PLAY to prevent accidental interruption of on-air CDs.

DN-961FA	\$ 1,350.00
Rec-112B - Jewel Case	\$ 0.95

DENON DN-970FA



The Denon DN-970FA is a production version of the DN-951FA. This CD Cart Player™ has features such as variable speed, three cue point memory, digital audio outputs, full remote control capability and Auto Track Select. The Auto Track Select System is available in three different configurations: track exclusive, priority or lockout.

DN-970FA	\$2,599.00
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See options listed under the DN-951FA

DENON DN-1200FP



The Denon DN-1200FP Disc Changer employs two disc trays, each securely holding 100 discs for spill-proof handling, easy installation and removal, and equipped with a key-locking security door. The DN-1200 can move from any track of any disc to any track of any other disc in 12 seconds, maximum, with the average time much less. A dedicated controller makes the DN-1200FP easy to use in any environment.

DN-1200FP	\$4,000.00
DN-1200F	Additional Drives \$3,200.00

SONY CDK-3600



The Sony CDK-3600 CD Auto Disc Loader can handle the storage, loading and playback of up to 360 compact discs. An external computer provided by the user is connected through the RS-232C or RS-422A interface for automated playback and overall control. In addition to quick access and smooth loading, the CDK-3600 incorporates built-in dual players to ensure

uninterrupted playback in a variety of commercial applications. It includes AES/EBU digital outputs, crossfade between the two players, automatic cueing, and variable-speed playback, while up to 28 units can be connected in a daisy chain to control up to 9,999 discs. The unit can be installed in a 19-inch rack via the optional rack mounting kit to save space.

CDK-3600	\$ 8,200.00
Rack Kit	\$ 620.00



SONY CDP-2700



The Sony CDP-2700 includes attractive operational features such as fader start/stop, rapid start using an auto cue function, variable speed playback, 18-bit eight times oversampling D/A converter, nine playback modes, easy-to-read FL display, last mode memory and programmed playback. 145 CDs can be programmed with up to 24 cue points for easy recall each time the disc is inserted. Digital outputs conform to both the AES/EBU and unbalanced IEC-958 format for direct interfacing to other digital audio devices.

CDP-2700 **\$1,445.00**

SONY

TASCAM

TECHNICS

TASCAM CD-701



The Tascam CD-701 has a full size disc turntable with a vibration free rigid disc clamp. This presents the pickup with a non-vibrating surface, to help eliminate tracking errors. In

addition, the ZD circuit negates the non-linearity of D/A conversion, achieving a pure natural sound. The optional BU-1 RAM buffer will allow the CD-701 to start instantaneously. If the standard 0.3 seconds is not fast enough. To control up to four players with search, auto-cue precision search and pitch control order the RC-701 with your system. For basic straight forward control of one player order the RC-7.

CD-701		\$ 2,499.00
RC-701	Multiple player control	\$ 1,349.00
RC-7	Single remote control	\$ 200.00
BU-1	RAM Buffer	\$ 500.00
RM701	Rack kit for CD-701	\$ 225.00
PW5CD	System interconnect cable	\$ 125.00

TASCAM CD-601



The Tascam CD-601 is a single transport half-rack unit with a unique vibration-free rigid disk clamping system which eliminates tracking errors. Its sweet-sounding ZD circuit reduces low level distortion to audiophile quality. The End Check function is ideal for planning crossfades, while the frame-accurate Jog Wheel

allows fast, repeatable searching. It features balanced XLR and unbalanced RCA outputs, auto cue function, phones/monitor jack for headphones or line feed and serial port for external computer control.

CD-601		\$ 1,649.00
RC-601	Remote control	\$ 849.00
BU2	Optional ram buffer	\$ 325.00
IF-601	AES/EBU kit for CD-601	\$ 200.00

TECHNICS SL-P1300



The Technics SL-P1300 is a table-top compact disc player that has cue point memories, A-B repeat, two speed search dial, an

auto-cue and a $\pm 8\%$ pitch control. The rear panel has unbalanced RCA, balanced XLR and coaxial or optical digital outputs. An Infrared remote control is included.

SL-P1300 **\$1,995.95**

SL-P1200
Unbalanced RCA outputs only **\$1,699.95**

Many other Technics models available.

TASCAM CD-401MKII



The Tascam CD-401MKII cue to music and pitch control. It is a rack mounted CD unit with balanced XLR, unbalanced RCA, and CD-DAT digital outputs, index search, fader start, single play, 20 selection calendar, 4 mode time counter, 4 mode repeat, and auto space.

CD-401MKII **\$899.00**

RC-401 **\$ 75.00**

TASCAM CD 301



The Tascam CD-301 CD player is for budget minded users who need rack mounted pro-quality, reliability and precise playback. The single play function is especially useful as it stops playback at the end of a track. The CD-301 also will link with another CD-301 for automatic sequential play. It comes with a wired 10 key remote and has balanced XLR as well as unbalanced RCA outputs.

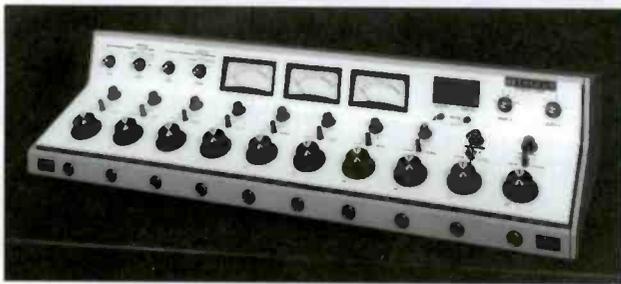
CD-301 **\$649.00**



ON AIR CONSOLES

AUTOGRAM

AUTOGRAM AC/IC SERIES



Autogram's AC/IC SERIES feature: • Shallco rotary step attenuators • oak trim • rotary selector switches • capitol key switches • true API w/meter • internal 15 watt monitor amp module • in/out controls on terminal strips • all amps/transformers mounted in plug-in cans.

AC-6A	6 pot	23 stereo inputs	\$5,632.00
AC-8A	8 pot	26 stereo inputs	\$6,991.00
IC-10A	10 pot	28 stereo inputs	\$9,215.00

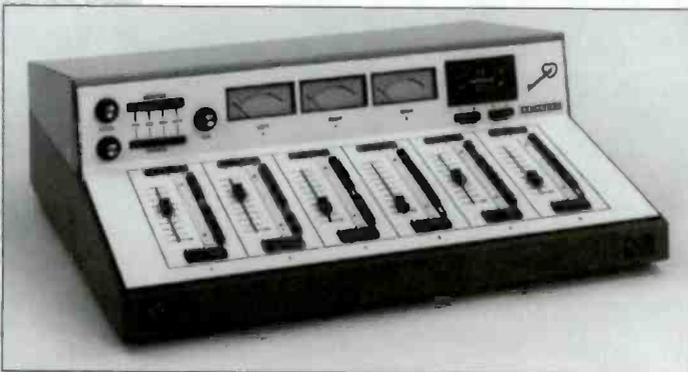
AUTOGRAM MINI MIX 8



Autogram's MiniMix 8 professional audio console features: • Aluminum case w/oak endbells • 2 stereo output buses • mono output • 8 slide plug-in pots • 2 dedicated mic slide pots • 12 stereo inputs • 6 unbalanced stereo for CD/cassette/tape/etc. • 6 high level balanced pro-stereo inputs • all VCA operated • cue amplifier/speaker • made in the USA.

MiniMix 8		\$2,499.00
MiniMix 12		\$3,499.00

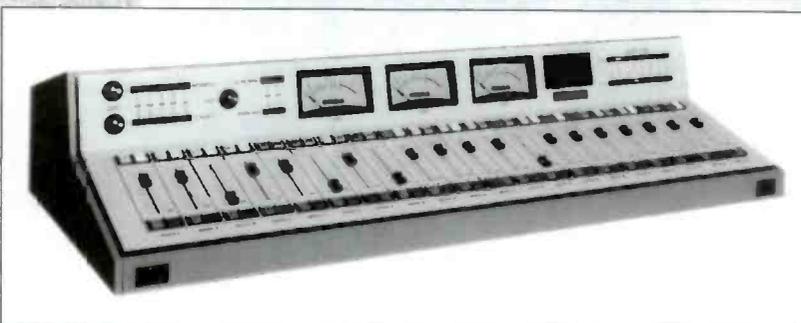
AUTOGRAM PACEMAKER SERIES



Autogram PACEMAKER SERIES features include: • Penny & Giles long throw slide pots • Schadow selector switches • screw-type pluggable connectors • machine control on all inputs • legend strips on each input • dual stereo program buss • one mono mix-down buss and one mix-minus buss • two watt, 8 Ω headphone with selectable inputs • two watt, 8 Ω cue amp • electronic switching and VCA level control • all inputs have trimable inputs • one quad mic pre-amp card.

PACEMAKER 618	6 pot, 18 stereo inputs	\$5,211.00
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AUTOGRAM R/TV-12



Autogram R/TV-12 has 8 dedicated pots and the R/TV-20 has 18 dedicated pots. These consoles have the following standard features: • Penny & Giles long throw slide pots • Schadow selector switches • true API w/meters • Screw-type pluggable connectors • optional live assist interface card & control box • up to 8 patchable mic preamps (quad mic preamp card) • electronic switching and VCA level control • two mix-minus busses • all inputs have adjustable inputs • two watt, 8 Ω cue amp • two watt, 8 Ω headphone amp with selectable inputs.

R/TV-12	12 pot	28 stereo inputs	\$11,153.00
R/TV-20	20 pot	34 stereo inputs	\$13,451.00



ATI VANGUARD SERIES CONSOLES



BC6DSR	Six mixer, ten balanced inputs, two mono mic preamps with PAN pots. Dual stereo program outputs plus two mono mix program outputs. AB type rotary faders control DBX™ VCAs.	\$2,995.00
BC6DSL	Same as above with linear faders.	\$2,995.00
BC8DSR	Eight mixers, twelve balanced inputs, two mono mic preamps with pan pots. Dual stereo program outputs, plus two mono mix program outputs and rotary faders.	\$3,495.00
BC8DSL	Same as above with linear faders.	\$3,495.00
BC12DSL	Twelve mixers, twenty-four balanced inputs two mono mic preamps with pan pots. Dual stereo program outputs, plus two mono mix program outputs and linear faders.	\$5,195.00

Optional features:
dual mix-minus telephone adapter • bargraph display

ATI

BROADCAST ELECTRONICS

BROADCAST ELECTRONICS AIR TRAK 90

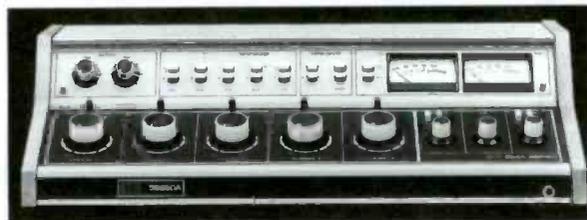


Call for further information on
Broadcast Electronics consoles

The Broadcast Electronics Air Trak 90 was designed as an infinitely reliable, zero maintenance console through the universal use of VCA and electronic switching of all audio. Frequently used controls are located nearest the operator, while Input/output selectors are at the top of the board. Penny & Giles linear faders, with a cue detent control DBX™ VCAs. All the graphics are underneath a tough polycarbonate overlay to keep the console looking good, even after years of use. Each model has three inputs per module and the start/stop assignment follows the input selection. Each of the three inputs can be sources of different Impedances, an extremely versatile feature. The clock timer on the console is the same as in the Mix Trak 90 with two internal timers sharing the display, one timer is controlled manually by the switch array on the console, the other times the current audio source. The consoles have a two year manufacturer's warranty.

AT-9006	6 channel console, power supply, install kit	\$ 5,295.00
AT-9012	12 channel console, power supply, install kit	\$ 7,295.00
AT-9018	18 channel console, power supply, install kit	\$ 9,595.00
AT-9024	24 channel console, power supply, install kit	\$ 12,695.00
AT-9008	8 channel console, power supply, install kit	\$ 5,985.00
P&G	Sellmark linear faders	\$ 6,295.00

BROADCAST ELECTRONICS 150/250 SERIES



The 150/250 series Broadcast Electronics consoles provide operational convenience at an economical cost. Plug in modules and modern circuit design ensure excellent audio performance. The mixer pots are sealed for longlife with cue detents. In addition, one muting relay, prefader preview on all inputs, talkback capability for two studios and a headphone/monitor amp are standard. The 250A includes ladder type attenuators with a cue detent, roller cam key switches, and front panel polycarbonate overlay.

Stereo-Dual Channel

5S150A	5 mixer sealed pots	\$ 3,450.00
8S150A	8 mixer sealed pots	\$ 4,650.00
Options:	Additional muting relay	\$ 36.00
	Line amp for stereo audition channel 5&8S (2 required for dual ch. operation)	\$ 175.00
	Mono matrix cards for 5/8S	\$ 157.00

Mono-Dual Channel

5M250A	5 mixer step attenuators	\$ 3,450.00
8M250A	8 mixer step attenuators	\$ 4,650.00

Stereo-Dual Channel

5S250A	5 mixer step attenuators	\$ 4,350.00
8S250A	8 mixer step attenuators	\$ 5,600.00
10S250A	10 mixer step attenuators	\$ 7,000.00
Options:	Mono matrix PC board for stereo consoles	\$ 157.00

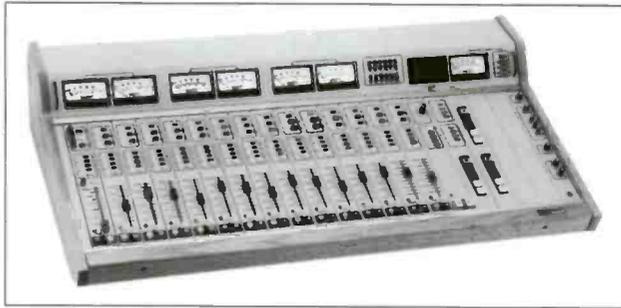


ON AIR CONSOLES

FIDELIPAC

AUDITRONICS

FIDELIPAC SERIES VI



Fidelipac Series VI stereo consoles include a heavy duty, regulated power supply, blank panels, mating DB-25 input connectors, oak trim, and a choice of recessed or table-top mounting. Systems 12-24 also include front panel LED digital count-up timer, control room monitor panel with 3-frequency headphone equalizer, and peak level indicating system with meter buffer amplifiers.

BAC-2406	System 24-VI includes 20 mixers, expandable to 24, 4 relays, 17 open collectors for mute/control.	\$ 16,320.00
BAC-2006	System 20-VI includes 16 mixers, expandable to 16, 4 relays, 17 open collectors for mute/control.	\$ 13,570.00
BAC-1606	System 16-VI includes 12 mixers, expandable to 16, 4 relays, 17 open collectors for mute/control.	\$ 11,130.00
BAC-1206	System 12-VI includes 8 mixers, expandable to 12, 3 relays, 11 open collectors for mute/control.	\$ 8,750.00
BAC-0806	System 8-VI includes 6 mixers, expandable to 8, 3 relays, 11 open collectors for mute/control.	\$ 6,730.00
BAC-0176	Standard stereo mixer module	\$ 550.00
BAC-0170	Pan pot option for BAC-0176 (factory installed)	\$ 50.00
BAC-0177	Equalized stereo mixer module, includes 5-frequency equalizer and pan-pot, replacing 3-input selector switch. (Add \$250 per equalized stereo module to substitute for BAC-0176 standard mixer.)	\$ 800.00
BAC-0178	Aux send mixer module with equalizer and pan-pot. Includes program, audition, and mono outputs, plus 2 pre/post fader sends to L & R utility.	\$ 900.00

FIDELIPAC DYNAMAX MX SERIES



Fidelipac's Dynamax MX Series is a modular console with all active circuitry on the modules, not the motherboard. Stereo program and audition outputs are assignable from the front panel and two programmable mono outputs are provided for mix-minus, cue feed, etc. Each input module features external logic switching for starting source equipment, and has two inputs selectable between, mono or stereo, balanced, unbalanced or mic. The Dynamax MX includes a built-in cue amplifier, speaker, and simplified headphone output that can be jumpered for a variety of monitor mute/dim configurations. An optional count-up event timer can be triggered by turning on any module.

MX6R	6 channel w/rotary faders	\$3,150.00
MX6L	6 channel w/linear faders	\$3,510.00
MX8R	8 channel w/rotary faders	\$3,550.00
MX8L	8 channel w/linear faders	\$4,050.00
MX10R	10 channel w/rotary faders	\$4,050.00
MX10L	10 channel w/linear faders	\$4,675.00
MX12R	12 channel w/rotary faders	\$4,450.00
MX12L	12 channel w/linear faders	\$5,200.00

Many options available.

AUDITRONICS AIRMASTER 90

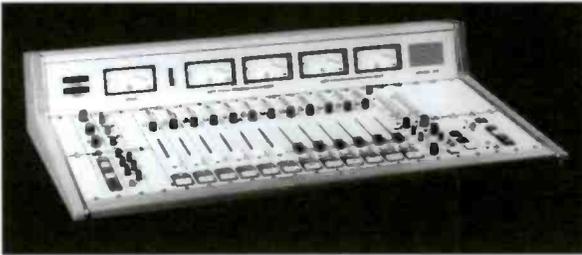
The new AirMaster 90 consoles save money, while providing high quality and reliability to the budget conscious Broadcast Station. They are ideal for digital satellite delivery systems and live-assist operation. They have a two year manufacturer warranty, excellent specifications, and a user-programmable logic control system. Mainframe sizes are 8, 12, and 16 positions.

AirMaster 90 Prices range from **\$6,000.00 to \$10,000.00**





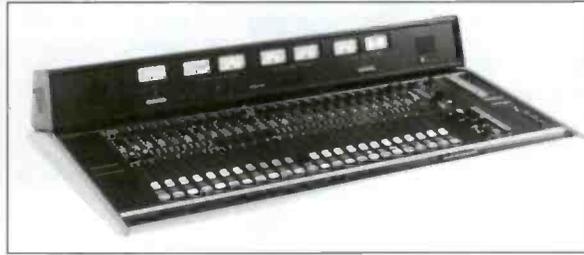
AUDITRONICS 210



The Auditronics 210 console is designed for On-Air broadcasting. It is available in 6, 12, 18, & 24 mainframes with multiple options. The 210 retains all features of the classic 200 console with many added updates, including an optional 3 caller telephone module.

210 Series On-Air Prices range from **\$7,900.00 to \$25,000.00**

AUDITRONICS 800



The 800 series console is available in 12, 18 and 24 mainframes. It is available with: stereo program, audition, utility and auxiliary output busses, 2 mono mix-minus output busses, L+R output summing, and 2 line telco module. This console has an extensive user-programmable logic control system. All push button controls are electronic with LED status indicators. All faders are stereo-balanced controlling VCA's.

800 Series On-Air Prices range from **\$15,000.00 to \$35,000.00**

LOGITEK MARINER



The Logitek Mariner console is a modular console that uses waterproof switches and pots with artful construction to keep dirt, dust and even liquids away from sensitive areas. FET audio switches, sealed relays and VCA control ensure years of trouble free operation. There are three types of input mixers offered and five mixing busses: two stereo, two auxiliary mono (for mix minus or IFB) and a mono cue bus for the built-in cue amp and speaker. All modules are plug-in and audio connections are made using the ADC QCP system. The Logitek Mariner has a three year manufacturer's warranty.

New Mariner options allow for easier connections to the digital world. The 24 character lighted LCD displays provide dynamic labeling via an RS-232 serial interface. The program titles from automation systems can appear above each mixer reducing operator confusion and error. Each program segment has its own time remaining display and you can see at a glance what mixer channel is scheduled next along with run time for upcoming segments displayed with title. They provide full two-way control of mixer functions and attached machine remote controls through the RS-232 Interface. The new Mariner options allow for easy use in automated, live assist and manual modes.

MAR-6D	6 mixer mainframe with RS-232 interface & 3 mixer displays	\$ 2,145.00
MAR-6FR	6 mixer mainframe	\$ 1,890.00
MAR-12D	12 mixer mainframe with RS-232 interface & 6 mixer displays	\$ 2,480.00
MAR-12FR	12 mixer mainframe	\$ 2,100.00
MAR-22D	22 mixer mainframe with RS-232 interface & 9 mixer displays	\$ 3,015.00
MAR-22FR	22 input mainframe	\$ 2,475.00
MAR-1LC	1 line input 6 function machine control	\$ 595.00
MAR-1LN	Single line input module	\$ 370.00
MAR-2LN	2 line inputs and machine control	\$ 525.00
MAR-INT	RS-232 interface for use in mainframes without displays	\$ 250.00
MAR-1MIC	1 mic input, pan, phantom power	\$ 505.00
MAR-B	Blank panel	\$ 30.00
MAR-PS	Backup power supply	\$ 320.00
MAR-8PRE	8 input preselection	\$ 385.00
MAR-CT	Clock and timer	\$ 260.00

AUDITRONICS

LOGITEK



ON AIR CONSOLES

LOGITEK

LPB

RAMKO

LOGITEK TR2



The Logitek TR2 is a compact 12 input position modular stereo console with up to three inputs per channel, 4 metered outputs with DAs, 2 monitor drivers plus cue, machine control and tally outputs all in a 19" rack! The TR2 mixer frame is 5U tall and the detachable meter bridge is 2U high. If you need more inputs, a ten input preselection can be plugged into any unused mixer position. A 2U accessory subframe will hold 12 four band EQ modules. The meter bridge which includes the power supply and cue amp can be mounted away from the mixer, leaving room for other equipment. The Logitek TR2 console is ideal anywhere where space is at a premium but quality can't be compromised.

TR2-FR/SL	12 mixer frame with slide pot final amp	\$ 1,990.00
TR2-FR/TM	12 mixer frame with trim pot final amp	\$ 1,750.00
TRI-3	Mixer w/2 line 1 mic input	\$ 345.00
TRI-M	Mixer w/1 mic input & pan	\$ 345.00
TRI-L	Mixer w/1 line input & mode switch	\$ 345.00
TRI-B	Blank panel	\$ 20.00
TRI-P	10 input preselection	\$ 280.00

LPB SIGNATURE III



LPB Signature III consoles are reliable, simple to operate, install and maintain. Standard features include three inputs per channel and two identical output busses with separate tape outputs; internal amplifiers for headphones, monitors, and cue speaker; and remote starts. Plug-

in cards provide modular electronics. An optional mix-minus card is available for use with a hybrid for telephone talk shows. The stereo consoles have a select switch (internal toggle) for mono or stereo input source, with front panel LED indication of mono or stereo. A mono source can be input to the left side, and automatically bridged to left and right output.

S-11	6-mixer dual mono	\$ 3,595.00
S-10	6-mixer dual stereo	\$ 4,595.00
S-15	8-mixer dual mono	\$ 4,395.00
S-13	8-mixer dual stereo	\$ 5,395.00
S-21	10-mixer dual mono	\$ 5,195.00
S-20	10-mixer dual stereo	\$ 6,295.00
S-24	12-mixer dual stereo	\$ 7,295.00

(Stereo P&G rotary stepless faders available at \$100/fader)

Accessories

PMM	Mono mixdown (for STEREO consoles only)	\$ 125.00
PMINUS	Mix-minus plug-in (for STEREO consoles only)	\$ 125.00
PMOUNT	Mix-minus mounting kit (for mono or older console)	\$ 60.00
P220	Operation on 220V 50/60 HZ	\$ 125.00

LOGITEK STEREO RACK



The Logitek Stereorack console is a complete stereo (Audiorack, mono) console in a 19" rack mount. There are six balanced stereo or mono inputs, selectable

from 11 sources and a built-in tone generator. Each of the output channels feeds a built-in 1x4 stereo DA. Each input pot has a concentric pan control and a detent cue position (a 6W cue amp is standard). Extremely reliable conductive plastic pots control VCA gain circuits and socketed Hall-effect pushbuttons control bus switching. Four separate headphone feeds are included as a built-in talkback system. Remote machine start controls are standard and the Stereorack itself can be remotely controlled for audio follow applications. These consoles have a three year manufacturer's warranty.

Stereorack	11 input 2 output stereo 3 U	\$ 3,900.00
Audiorack	11 input 2 output mono 3 U	\$ 2,900.00

RAMKO



Ramko mixer stereo consoles feature: 4" multi-color, expanded scale solid state VU meter; all mic/line inputs are jumper programmable for stereo or mono feed; external 20 watt power amp included; built in 2 watt cue amp and speaker; four input monitor selector with programmable muting; programmable on air lights relay; and plug-in modules.

xL41S	4 mixer, single channel stereo, 15 inputs	\$ 2,199.00	xL12/2S	Same as above but dual channel	\$ 4,794.00
xL42S	Same as above but dual channel	\$ 2,531.00	RS4	Remote start stop; 2 mixer 4 machine control	\$ 289.00
xL61S	6 mixer, single channel stereo, 19 inputs	\$ 2,767.00	RS8	Remote start stop; 4 mixer 8 machine control	\$ 362.00
xL62S	Same as above but dual channel	\$ 3,113.00	RS12	Remote start stop; 6 mixer 12 machine control	\$ 495.00
xL81S	8 mixer, single channel stereo, 23 inputs	\$ 3,344.00	MMB-9	Mix/minus bus module with balanced output programmable for 2 channels and up to 9 inputs	\$ 249.00
xL82S	Same as above but dual channel	\$3,691.00x			
L12/1S	12 mixer, single channel stereo, 31 inputs	\$ 4,447.00			



RADIO SYSTEMS RS SERIES



Radio Systems RS Series Consoles come with two inputs per channel that will accept from -60 to +10 levels. It has two stereo and one mono output buss, full DC control, P&G faders, full VU metering with peak LED's, and an event timer. Each module has full remote control that follows the Input selection and mid-stage channel patch points. RS Series consoles come with a complete monitor section, heavy duty cue and headphone amplifiers, and an internal talkback system. All input, output and remote control wiring is via convenient removable barrier strips. These connectors simplify initial installation and provide for quick future wiring changes. RS Consoles have a two year manufacturer's warranty with *Next Business Day* parts delivery.

RADIO SYSTEMS

LPB

RS-6		\$ 4,795.00
RS-12		\$ 6,795.00
RS-18	supplied with clock	\$ 9,895.00
RS-24	supplied with clock	\$ 12,995.00
6IMMB	Six input mix-minus board	\$ 395.00
4OMMB	Four output mix-minus board	\$ 495.00
DMMB	Dual mix-minus board	\$ 195.00
DA	DA card	\$ 195.00
FSE	Four source expander	\$ 225.00
AR	Accessory relay	\$ 25.00

Options available are: Plexiglass copy stand • "Squawk-Box" • input selector switcher • remote interface modules
 • custom engraved switch caps • pre-made source cables & punchblock harnesses • color-coded fader knobs
 • spare parts kits • components • and more.

LPB 7000 SERIES



LPB's 7000 Series stereo P&G slide-fader console has modular plug-in electronics behind a fixed front panel with gold contacts throughout. It features: 2 inputs per channel; 3 stereo output busses; 3 mono outputs for mono-mixdown or mix-minus; 3 stereo tape outputs and 3 mono tape outputs. There are remote starts for all inputs with blinking ready lights and programmable muting for cue and 4 sets of monitor speakers. Channel start and stop can be controlled remotely. The timer can follow channel activation for either cumulative or event timing. Also included: headphone amplifier, cue amplifier and speaker, monitor driver; and a rack mount power supply.

7012	12 channel stereo	\$ 6,995.00
7018	18 channel stereo	\$ 9,295.00
MM-1	Mono mixdown plug-in card for single bus	\$ 150.00
MINUS-1	Mix-minus plug-in card for single bus	\$ 150.00



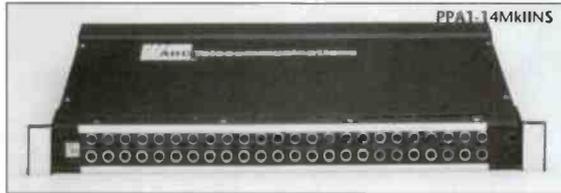
PATCHBAYS

ADC AUDIO PRODUCTS

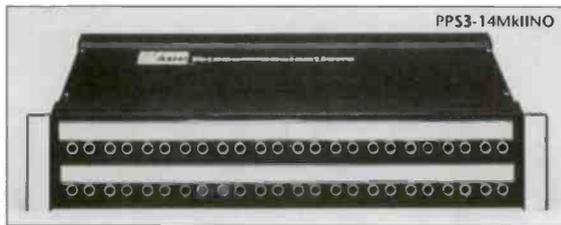
ADC



PPA3-14MKII



PPA1-14MKIINS



PPS3-14MKIINO

Mk II Audio Pro Patch

Pro Patch Audio, Longframe (1/4"), 2 x 24

PPA1-14MkIIINO	1.75" h x 14" d, normals brought out	\$ 831.00
PPA3-14MkIIINO	3.5" h x 14" d, normals brought out	\$ 831.00
PPA3-18MkIIINO	3.5" h x 18" d, normals brought out	\$ 831.00
PPA1-14MkIIINS	1.75" h x 14" d, normals strapped	\$ 678.00
PPA3-14MkIIINS	3.5" h x 14" d, normals strapped	\$ 678.00
PPA3-18MkIIINS	3.5" h x 18" d, normals strapped	\$ 678.00
PPA3-14MkIISN	3.5" h x 14" d, sleeve normalled	\$1,002.00

Pro Patch Stereo, Longframe (1/4"), 2 x 24

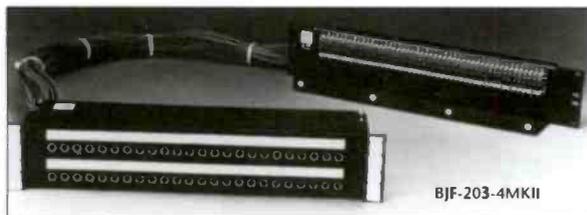
PPS3-14MkIIINO	3.5" h x 14" d, normals brought out	\$ 893.00
PPS3-18MkIIINO	3.5" h x 18" d, normals brought out	\$ 893.00
PPS3-14MkIIINS	3.5" h x 14" d, normals strapped	\$ 733.00
PPS3-18MkIIINS	3.5" h x 18" d, normals strapped	\$ 733.00

Pro Patch Bantam

PPB1-14MkII	1.75" h x 14" d, 48 tie line bay	\$ 714.00
PPB3-14MkIIINS	3.5" h x 14" d, normals strapped, 2 x 48	\$1,155.00
PPB3-14MkIIHN	3.5" h x 14" d, half normalled, 2 x 48	\$1,155.00

Support Bar Kit

SBK	Mounts on rear rack rails to support rear of any 3.5" high Pro Patch	\$25.00
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BJF-203-4MKII

The BJF MKII

All BJF Patchbays listed below have 4' cable harnesses. BJF Patchbays are available with 3', 4', 8', 10', 12', 15', 20' and 25' harnesses. Add \$10.00/ft. to the price. Consult B.G.S. for other options.

BJF MKII Patchbays, Longframe (1/4") 1.75" h, 2 x 24

BJF103-4MkII	Ultra Patch brought out	\$893.00
BJF107-4MkII	Ultra Patch strapped	\$708.00

BJF MKII Patchbay, Longframe (1/4") 3.5" h, 2 x 24

BJF203-4MkII	Ultra Patch brought out	\$893.00
BJF207-4MkII	Ultra Patch strapped	\$708.00

BJF MKII Patchbay, Bantam 1.75" h, 2 x 48

BJF303-4MkII	Ultra Patch brought out	\$1,430.00
BJF307-4MkII	Ultra Patch strapped	\$1,294.00

BJF MKII Patchbay, Bantam 3.5" h, 2 x 48

BJF403-4MkII	Ultra Patch brought out	\$1,430.00
BJF407-4MkII	Ultra Patch strapped	\$1,294.00



UP-3MKII



UP-96MKII

Ultra Patch Panels

UP-3MKII	Terminates a 48 pt patchbay with normals strapped. 3.5" h	\$ 167.90
UP-3NMkII	Terminates a 48 pt patchbay with normals brought out. 3.5" h	\$ 190.90
UP-52MKII	Terminates a 52 pt patchbay with normals strapped. 3.5" h	\$ 201.25
UP-52NMkII	Terminates a 52 pt patchbay with normals brought out. 3.5" h	\$ 220.80
UP-96MKII	Terminates a 52 pt patchbay with normals brought out. 3.5" h	\$ 265.65
UP-96NMkII	Terminates a 96 pt patchbay with normals brought out. 5.25" h	\$ 319.70
UP-WMkII	Offset wall mount bracket kit	\$ 29.90
UP-RMkII	Recessed rack mount bracket kit	\$ 29.90



cold **cool**



stale **fresh**



then **now**



out



in



the unity 2000*i*

the world's **best sounding fm processor**



CUTTINGEDGE

THE BENEFITS OF OUR EXPERIENCE.

Custom Sound
Superior Flexibility
Wide Coverage
Extraordinary Fidelity
Integrated Solutions
Exceptional Service
Powerful Performance
Absolute Control



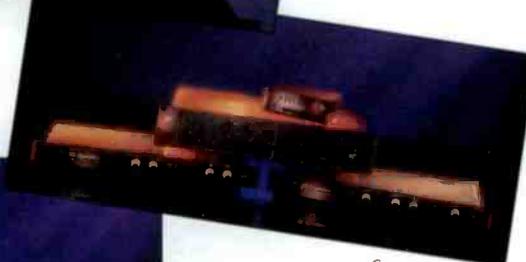
AM Stereo



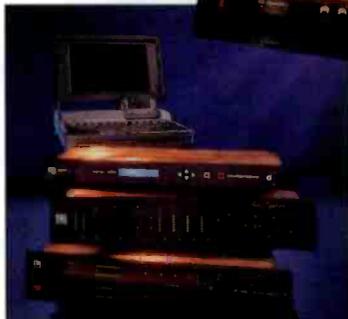
Subcarrier Generator



FM Amigo



Sound Enhancers



FM Signature Series



AM Mono



Newstalk/Shortwave



FM Stereo



Television

When you purchase CRL products, you are not just buying exceptional audio equipment. You are also receiving the benefits of years of professional 'hands on' audio experience, the quality of master craftsmanship, product reliability and unparalleled personal service.

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Experience
Reliability
Performance

CRL SYSTEMS



ADC AUDIO PRODUCTS

I-BJF Patchbay

Longframe — 3.5" panel with 2 x 24 array. X suffix denotes umbilical length in feet. Base price shown is for 8' umbilical. Add \$10/ft. to the suggested list price for umbilicals longer than 8'.

I-BJF-3NO-X	Normals brought out to backplane of chassis	\$ 770.00
I-BJF-3NS-X	Normals strapped at jacks	\$ 605.00
I-BJF-3HN-X	Half normalled, top row mult, bottom row fully normalled	\$ 605.00

Bantam — 1.75" panel with 2 x 48 array. X suffix denotes umbilical length in feet. Base price shown is for 8' umbilical. Add \$20/ft. to the suggested list price for umbilicals longer than 8'.

I-BJF-BNO-X	Normals brought out to backplane of chassis	\$ 1,430.00
I-BJF-BNS-X	Normals strapped at jacks	\$ 1,100.00
I-BJF-BHN-X	Half normalled, top row mult, bottom row fully normalled	\$ 1,100.00

ADC



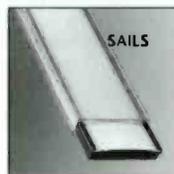
Patch Kits

P-KIT-1	Patch Kit, 1.75" longframe 2 x 24	\$198.00
P-KIT-1A	Patch Kit, 1.75" longframe 2 x 26	\$215.00
P-KIT-3	Patch Kit, 3.5" longframe 2 x 24	\$198.00
P-KIT-3A	Patch Kit, 3.5" longframe 2 x 26	\$215.00
P-KIT-3S	Patch Kit, 3.5" stereo 2 x 24	\$198.00
P-KIT-B	Patch Kit, 1.75" bantam 2 x 48	\$264.00



QCP Tools

QB-2	Impact tool	\$70.00
QB-2T	Replacement tip for QB-2	\$18.00
Q905	Replacement tip for QB-1 (Upgrades QB-1 to a QB-2)	\$42.00
Q115	Manual wire insertion tool	\$24.00
Q150	Rack mountable tool holder	\$31.00



Designation Strips

SAILS-3	Labels for 3.5" longframe pro patch, BJF & PPV-24MkII	\$ 6.00
SAILS-S	Labels for stereo pro patch	\$ 6.00
SAILS-1	Labels for 1.75" longframe pro patch or BJF	\$ 6.00
SAILS BBJF	Labels for bantam BJF	\$ 6.00
SAILS-BPP	Labels for bantam pro patch	\$ 6.00
SAILS-APS	Labels for fully loaded C.A.P.S. bays	\$ 6.00
SAILS-CAPMOD	Labels for CV-M-N or CV-M-N75	\$ 6.00
SAILS-V	Labels for VAMP	\$ 6.00
SAILS-S9	Labels for DPC chassis	\$ 6.00
D-3	Designation kit for 3.5" longframe pro patch, BJF, PPV-24MkII	\$ 11.00
D-S	Designation kit for stereo pro patch	\$ 11.00
D-I	Designation kit for 1.75" longframe pro patch, BJF	\$ 11.00
D-BBJF	Designation kit for bantam BJF	\$ 11.00
D-BPP	Designation kit for bantam pro patch	\$ 11.00
D-2PPI24	Designation kit for PPI2224 series	\$ 11.00
D-1PPI24	Designation kit for PPI1224 series	\$ 11.00
D-2PPI26	Designation kit for PPI2226 series	\$ 11.00
D-1 PPI26	Designation kit for PPI1226 series	\$ 11.00

Pro Patch Cords - Nickel Plated

Long Frame Single

Length	Red	Green	Blue	Black	Price
1'	R1	G1	B1	BK1	\$24.00
2'	R2	G2	B2	BK2	\$24.95
3'	R3	G3	B3	BK3	\$25.70
4'	R4	G4	B4	BK4	\$26.45
6'	R6	G6	B6	BK6	\$28.00

Long Frame Dual

Length	Red	Green	Blue	Black	Price
2'	R22	G22	B22	BK22	\$44.00
3'	R32	G32	B32	BK32	\$45.00
4'	R42	G42	B42	BK42	\$46.00
6'	R62	G62	B62	BK62	\$48.00

Bantam Single

Length	Red	Green	Blue	Black	Price
1'	R1B	G1B	B1B	BK1B	\$21.50
2'	R2B	G2B	B2B	BK2B	\$21.95
3'	R3B	G3B	B3B	BK3B	\$22.70
4'	R4B	G4B	B4B	BK4B	\$23.45
6'	R6B	G6B	B6B	BK6B	\$26.00

Bantam Dual

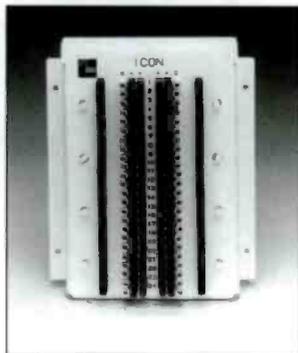
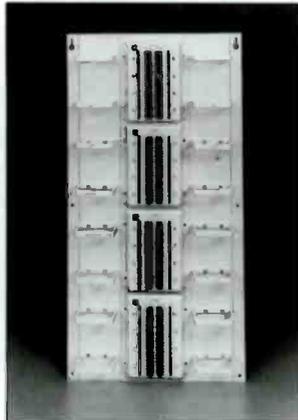
Length	Red	Green	Blue	Black	Price
2'	R22B	G22B	B22B	BK22B	\$44.00
3'	R32B	G32B	B32B	BK32B	\$45.00
4'	R42B	G42B	B42B	BK42B	\$46.00
6'	R62B	G62B	B62B	BK62B	\$48.00



PATCHBAYS

ADC AUDIO PRODUCTS

ADC



I.C.O.N. Rack Mount System

I.C.O.N. I-96 System

I-96	96 circuit termination panel	\$ 184.00
I-FPD	Fanning Panel for routing cables horizontally	\$ 69.00
I-FL	Vertical filler panel	\$ 42.00
I-FPB	Fanning panel for routing cables horizontally and vertically	\$ 94.00
I-VR	Vertical ring bracket	\$ 28.00
I-ET3	Horizontal express trough — 3.5" high	\$ 58.00
I-ET5	Horizontal express trough — 5.25" high	\$ 61.00
I-ET7	Horizontal express trough — 7" high	\$ 63.00

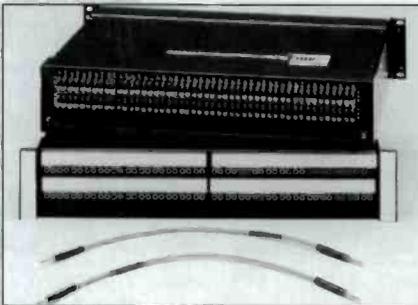
I.C.O.N. I-W Systems

I-WA	Wall mount frame fitted with four I-24A blocks - common grd.	\$ 622.00
I-WB	Wall mount frame fitted with four I-24B blocks	\$ 590.00
I-WFP	Wall mount fanning panel	\$ 60.00
I-24A	Terminates and cross connects 24 balanced audio circuits. Shield terminals multed. Left and right arrays multed.	\$ 118.00
I-24B	Same as I-24A but without multed shield terminals	\$ 110.00
I-24C	Same as I-24B - But unjumpered	\$ 94.00
I-24R	I-24 rack mounting rails	\$ 22.00

I.C.O.N. I-WS Systems

I-WS	Terminates and cross connects 192 balanced audio circuits	\$ 523.00
I-WSET	Express through	\$ 61.00

ADC DIGITAL AUDIO



ADC Digital Audio Jackfields are the industry's first products specifically designed for patching AES/EBU digital audio signals. The fully normalled panels are used to patch AES digital audio signals up to a total circuit length of 300 feet (91.5 m). Precision 110Ω impedance, low capacitance, shielded twisted pair cable is used to meet stringent AES standards for digital audio transmission lines. All digital jackfields and the associated patch cords meet this requirement to ensure error free transfer of the digital signal.

Pro Patch

Normals strapped, 3.5" high x 14" deep (8.89 x 35.56 cm)		
DAL3-14MKIINS	2 x 24 rows, longframe (.25"; .64 cm) jacks	\$ 878.00
DAB3-14MKIINS	2 x 48 rows, bantam jacks	\$ 1355.00

Broadcast Jackfields

Normals strapped, 4' (1.22 m) cable harness out to ultra patch panel		
DAL107-4MKII	1.75" (4.45 cm) high, 2 x 24 rows, longframe (.25"; .64 cm) jacks	\$ 908.00
DAL207-4MKII	3.5" (8.89 cm) high, 2 x 24 rows, longframe (.25"; .64 cm) jacks	\$ 908.00
DAB307-4MKII	1.75" (4.45 cm) high, 2 x 48 rows, bantam jacks	\$ 1494.00
DAB407-4MKII	3.5" (8.89 cm) high, 2 x 48 rows, bantam jacks	\$ 1494.00

Longframe: Digital Audio Nickel Plated Patch Cords - available in gray only

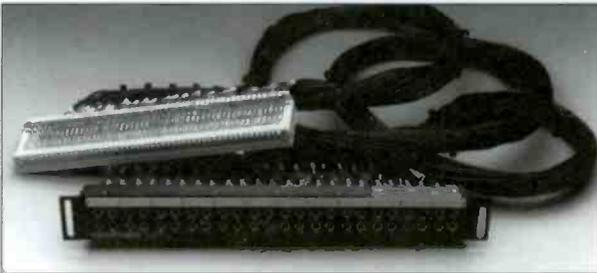
DA1	1' (.305 m)	\$ 24.00
DA2	2' (.61 m)	\$ 24.95
DA3	3' (.92 m)	\$ 25.70
DA4	4' (1.22 m)	\$ 26.45
DA6	6' (1.83 m)	\$ 28.00

Bantam: Digital Audio Nickel Plated Patch Cords - available in gray only

DA1B	1' (.305 m)	\$ 21.50
DA2B	2' (.61 m)	\$ 21.95
DA3B	3' (.92 m)	\$ 22.70
DA4B	4' (1.22 m)	\$ 23.45
DA6B	6' (1.83 m)	\$ 26.00



GENTNER PREWIRED AUDIO PATCH PANELS



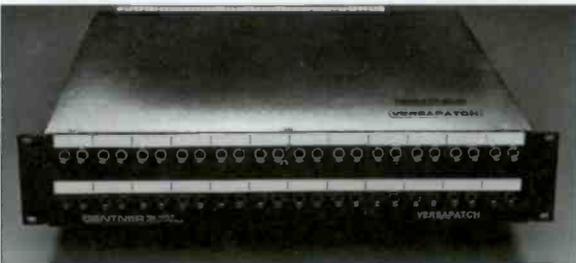
To order your custom pre-wired audio patch panel, select one from each column. For example, "48DR-TRS-AB-FB" designates 48 jacks, dual row Tip-Ring sleeve, normals strapped at bay, Flexiblock Termination. Comes standard with 5 ft. cable harness.

GENTNER

Prices from **\$709.00 to \$1,829.00**

Bay Types	Jack Types	Normals	Terminations
24SR (Single Row)	96BA (Bantam)	AB (At Bay)	FB (Flexiblock)
26SR (Single Row)	TRS (Tip-Ring Sleeve)	BO (Brought Out to Termination Point or Top Row Bridging)	ET/FB (EasyTerm / Flexiblock)
48DR (Double Row)	TR (Tip-Ring or Tip-Sleeve)	TRB (Top Row Bridging, Bottom Row Breaking)	PU (Punch Block)
52DR (Double Row)			XT (Christmas Tree)
78MR (Third Monitor Row)			NT (No Termination)
			SP (Superpatch)

GENTNER VERSAPATCH



Gentner Versapatch is a 2U, chassis-enclosed stereo patch panel. It contains 48 tip-ring-sleeve jacks offset in pairs, configured in two rows of 24 each.

VersapatchII/FB-BO	Normals brought out	\$769.00
VersapatchII/FB-AB	Normals jumper at bay	\$649.00
VersapatchII/FB-TRB	Half normalled	\$649.00
VersapatchII/66	Normals brought out	\$769.00

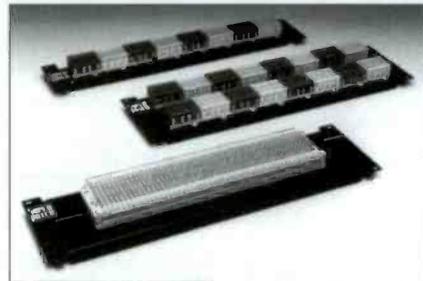
GENTNER EASYTERM



Gentner EasyTerm/FB-1 is a 2U punch-down wire termination panel with a snap-on bracket and a dust cover. Wires are routed from inside the rack. Its hinged panel allows you to swing the termination out of the way to access your equipment and cable. It is a stranded wire punch block that offers high density and reliability with simple connections. 320 terminals are provided with 2 connection points per terminal; each connection point accepts 2 solid or stranded wires, 22 to 26 gauge.

EasyTerm/FB1	Flexiblock termination, 320 terminals, rack mount	\$ 249.00
Kickbar	Holds EasyTerm open for running & punching down wires	\$ 31.00
Flexiblock FB-1	100 terminals, wall mount	\$ 31.00
F-89	Snap-on mounting bracket for Flexiblock	\$ 3.80
FB-714	Punch tool for the Flexiblock	\$ 69.00
Flexitool Blade		\$ 19.00
FB-Clip	Split Flexiblock	\$ 0.07
FB-Test Clip		\$ 15.70
FB-Dust Cover		\$ 3.80

GENTNER SUPERPATCH



Gentner's SuperPatch patch panel assemblies provide you with a convenient and flexible rack mount termination for your wiring projects. SuperPatch is available with

one or two rows of Flexiblocks secured to a fixed rack mounted aluminum panel to make punchdown of stranded or solid wire connections fast and easy. SuperPatch may be ordered terminated to any of Gentner's prewired patch panels at the factory.

SuperPatch/66	150 terminal w/two slots per terminal, 1 solid wire/slot, 3U	\$109.00
SuperPatch/1	One row, 160 terminal w/two slots per terminal, 2 wire/slot, 2U	\$119.00
SuperPatch/2	Two row, 320 terminal w/two slots per terminal, 2 wire/slot, 3U	\$149.00



PATCHBAYS

TASCAM

TASCAM PATCHBAYS



PB-32H	32 Point Normalled and Unbalanced, Phone front to RCA rear	\$135.00
PB-32P	32 Point Normalled and Unbalanced, Phone front to phone rear	\$145.00
PB-32R	32 Point Normalled and Unbalanced, RCA front to RCA rear	\$130.00
PB-32W	32 Point Normalled and Unbalanced, Combo (20 - RCA & 12 - Phone)	\$130.00
PB-32B	32 Point Normalled and Balanced, TRS Phone front to TRS Phone rear	\$180.00
PB-64	64 Point unbalanced, RCA front to RCA rear	\$130.00

SIEMON

ZERCOM

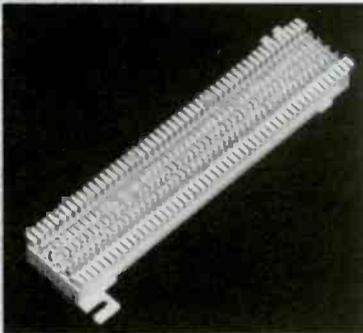
ZERCOM PATCH SWITCH



Zercom Patch Switch PS-1 is easy to install and use. Its passive stereo 10 in and 1 out or 1 in and 10 out configuration allows you to reverse stereo phase and perform stereo to mono summing with the push of a button. It can easily be bussed together using optional ribbon cable for more complex applications. There is room to add resistors to make audio pads inside or use the Zercom Gain Box to increase levels as necessary. The Zercom Patch Switch provides additional input switching on overcrowded consoles, can route facilities feeds to different studios, or select sources for transmitter feeds.

PS-1	\$ 350.00
Ribbon Cable	\$ 10.00

SIEMON



Siemon offers over 20 different size blocks configured from 2 pair up to 250 pair per block. There are two basic series for all 66 blocks the M Series and the B Series. The M Series clips are closer together allowing for a greater packing density. The M and B series are both end-stackable but the M series stacks without losing space between blocks. All the "plug-on" adapters and accessories are designed for use with the M series.

Model	Pair Capacity	Price
S66M1-25	25	\$ 13.45
S66M1-50	50	\$ 12.65
S66M1-100	100	\$ 28.45
S66B3-50	50	\$ 21.95
S66B3-75	75	\$ 25.75
S20B	Cable hanger, 1 3/4" diameter top x 3" high self-contained wood screw	\$ 1.09
S145	Single hanger with front entry and a base, 3 1/2" base to front and 3 1/8" vertical lower hanger	\$ 3.25
SB6	Mounting bracket, for use with the B650 series blocks	\$ 4.90
SAI-1000	Tin-plated copper alloy clips, 2-position clip, 1000 per polybag	\$ 22.25
SAI-100	Tin-plated copper alloy clips, 2-position clip, 100 per polybag	\$ 3.95
S714	Automatic impact tool w/66 blade	\$ 69.00
S71401	Spare blade for S714 tool	\$ 19.00
SBT	Manual punch down tool w/66 blade	\$ 24.00
3M ST	Connector punch block hook-up	\$ 0.44



PRODUCTION CONSOLES

AUDITRONICS

AUDITRONICS 310



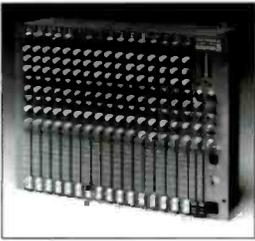
The 310 consoles are designed for 4 and 8 track production. They are available in 16, 24 and 32 mainframes with multiple options. Standard features include: 4 aux send and returns, 4 or 8 output submastering, 4 group master faders, VCA fader control, cue, stereo solo, stereo monitoring, phantom mic power and a complete metering package.

310 Series Production Consoles Please call for pricing

PRODUCTION CONSOLES



BIAMP RACKMAX



The RackMax II 8U mixer provides 12 or 16 balanced mic/line inputs, with the type of features normally found only on larger mixing consoles. The RackMax IIEX is the expanded version with additional sends and XLR outputs. Manufacturer's warranty is five years. Made in the U.S.A.

RackMax II/12	\$1,659.00
RackMax II/16	\$1,999.00

ELECTRO-VOICE BK-42



The Electro-Voice BK-42 series features include: three-band EQ with sweep-mid, servo-balanced outputs, 100-mm faders, stereo tape returns, mechanical VU meters with peak LED's and rugged chassis. The PFL-to-meter feature makes it possible to monitor the pre-fader signal from any channel, auxiliary, subgroup, main or monitor through the right channel VU meter. The universal transformer enables the BK-42 to be used anywhere in the world via external switch. Another outstanding feature is the "humbucking ground design," which eliminates noise generated by other equipment or the power and lighting system.

BK-842	8 channel stereo/mono mixing console rack mountable	\$1,314.00
BK-1242	12 channel stereo/mono mixing console	\$1,572.00
BK-1642	16 channel stereo/mono mixing console	\$1,894.00
BK-2442	24 channel stereo/mono mixing console	\$2,600.00

DOD 1642

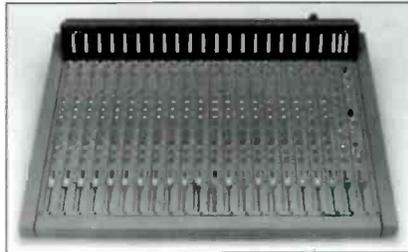


The DOD 1642 may be used as a 16x4 for recording or sound reinforcement. Features include:

- 3-band EQ • 4 bus • 4 discrete mix bus out • 8 balanced mic inputs • 16 line inputs
- phantom power • 6 pre or post sends • 2 subgroups • solo to mains
- 2 year manufacturer's warranty.

1642	16 channel tabletop/rack mount mixer	\$ 1,099.95
Also available from DOD . . .		
1222XL	Stereo 12 channel mixer, tabletop	\$ 599.95
1222RM	Stereo 12 channel mixer, rack mount	\$ 599.95
822XL	Stereo 8 channel mixer, tabletop	\$ 429.95
822RM	Stereo 8 channel mixer, rack mount	\$ 429.95

BIAMP LEGEND



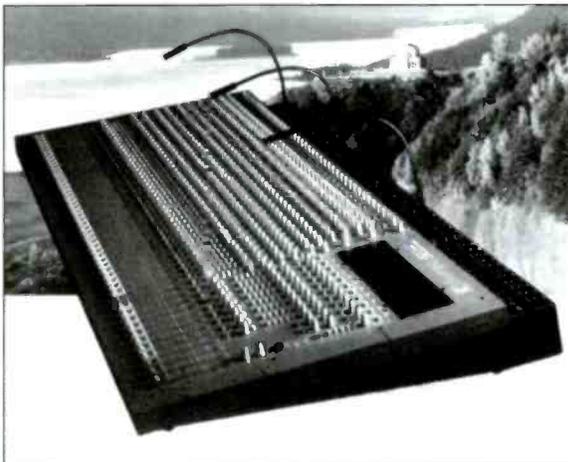
The Biamp Legend is a highly compact in-line modular mixing system designed for multi-track recording and production with specifications like a dynamic range of over 100dB. Each

console has a communications module, a stereo mixdown module and multiple input/output modules. The power supply is external and passively cooled for quiet operation. All inputs, group outputs and tape returns are electronically balanced with input transformers available as an option. The three band EQ section on the input/output module uses true shelving high and low frequency filters that result in transparent, uncolored equalization.

Legend 2016	20 inputs, 16 group output	\$ 9,999.00
Legend 3216	32 inputs, 16 group output	\$ 15,499.00
Legend 3224	32 inputs, 24 group output	\$ 15,999.00

Also available in other configurations.

BIAMP COLUMBIA



The Biamp Columbia Series mixing consoles provide professional features, solid reliability, and excellent sonic performance in three models. Available in 24, 32, and 40 Input Channel configurations, each with an additional Stereo Input Channel, the Columbia Series mixing consoles are packed with enough features to handle the most demanding professional applications. Columbia 24+/488, 32+/488, and 40+/488 models are compact, with a logical layout of controls and a conveniently located connector panel for ease of operation. All models feature discrete transistor Mic/Line preamplifiers and use 5532 and TLO-72 op-amps throughout the signal path for extremely noise free, high-fidelity performance. All Submaster, Auxiliary Send, Left and Right Main, Mono Main, an Auxiliary Main output circuits are balanced. A rugged assembly, utilizing individual circuit boards and an all metal chassis, provide long-term reliability for either mobile usage or fixed installations.

COLUMBIA 24/488	\$ 7,699.00
COLUMBIA 32/488	\$ 9,399.00
COLUMBIA 40/488	\$ 11,099.00

BIAMP

ELECTRO-VOICE

DOD



PRODUCTION CONSOLES

AUDITRONICS

MACKIE



AUDITRONICS 850

The 850 series console is identical to the 800 series console with the addition of signal processing and routing options. It is a perfect companion to the 800 on-air console and is ideal for Work Station sweetening and production.

850 Series Prices range from **\$16,100.00 to \$35,000.00**

AUDITRONICS 850 TV

The 850 series consoles are identical to the 800 series with the addition of signal processing and routing options. They provide a high quality Television audio console without breaking your budget. The 850's incorporate the high density Preselect system, at a very affordable price and has the most extensive user-programmable logic control system in this price range. This console's specifications exceed those required for HDTV and Digital Audio Broadcasting.

850 Series TV Prices range from **\$16,100.00 to \$35,000.00**

MACKIE

Mackie consoles have sealed controls, steel chassis, built-in power supply and a three year manufacturer's warranty if you return your warranty card. They have a 90dB working S/N, 108dB dynamic range, distortion below 0.025%, and switchable 48 volt phantom powered mic inputs with discrete, balanced microphone preamps.

The **MicroSeries 1202** has • 4 mic/line mono inputs • 4 stereo inputs • tape ins/outs • 2 AUX sends per channel • 2 stereo AUX returns • channel patching • center detent controls • 2 band EQ • headphone monitor w/level control • and switchable 12-LED peak meters for monitoring main R/L outputs, or when the Input metering button is depressed, mic and line inputs.

The **CR-1604** has • 7 AUX sends per channel • 4 stereo or 8 mono AUX returns • 6 mic inputs (expandable to 16 with XLR10) • 3-band EQ • stereo "in place" solo system • expandable to 48 channels • parallel-wired dual faders for redundancy • BNC lamp power connector • and two 10-LED meters for monitoring main L/R outputs or channel level during solo, overload clipping LED's for each of 16 channels, solo on LED and power LED.

Mixer Mixer combines all outputs from up to three mixers to provide a new set of combined outputs. Since all combining is at unity gain, no level or head room is lost and no additional noise is introduced. With the optional remote fader you can control the main output level of all the mixers.

RotoPod allows you to face the connector panel of the CR-1604 up, back, or down.

XLR10 adds ten discrete 48V phantom powered mic preamps via ribbon cable/connector in the CR-1604.



Mackie MicroSeries 1202



Mackie Mixer Mixer



Mackie CR-1604



Mackie XLR10

MicroSeries 1202	12 channel mic/line mixer	\$ 399.00
MS1202	Rack mount	\$ 12.00
CR-1604	16 channel mic/line mixer	\$ 1,099.00
Mixer Mixer		\$ 299.00
Remote Fader	For mixer mixer	\$ 75.00
CordPack	39 color coded cables, 36 mono and 3 stereo	\$ 69.00
RotoPod		\$ 25.00
XLR10		\$ 199.00

PRODUCTION CONSOLES



RAMSA WR-S4400



The Ramsa WR-S4400 Series consists of 12, 16 and 24 channel professional 4-Bus mixers with professional length faders, two selectable inputs per channel, individually switchable 48-volt phantom power, flexible 3-band EQ with sweepable midrange. This 4-Bus mixer has four "main groups" plus left and right stereo masters from channels or groups and four "aux sends."

WR-S4412	12 x 4 x 2	\$2,350.00
WR-S4416	16 x 4 x 2	\$2,800.00
WR-S4424	24 x 4 x 2	\$3,750.00

RAMSA WR133



The Ramsa WR-133 compact, 8x2 channel portable mixer comes with a carrying handle and detachable hard cover making it perfect for taking on the road. It comes complete with balanced mic/line and phono inputs, effect, monitor, and mono outputs, and balanced stereo XLR outputs.

WR133	\$1,470.00
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RANE SM 82 LINE LEVEL MIXER



The Rane SM-82 stereo line level mixer has 8 stereo or 16 mono unbalanced 1/4" TS line inputs. Each input channel has a stereo rotary input level control, stereo aux send slider and a balance control slider. The aux return section and the output stage both include a rotary level control and a slide balance control.

SM-82	\$599.00
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RANE SM 26 SPLITTER MIXER



The Rane SM 26 combines a 6-in/2-out line level mixer and 2-in/6-out splitter distribution amplifier in a one rack unit package. It provides Mix/Pan and level controls with 12dB gain for level matching and can be used as a line boost amp, zone level controller, or in a combination of modes at once. Inputs and outputs are balanced 1/4" TRS.

SM-26	\$379.00
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HENRY ENGINEERING

RAMSA

RANE

SONY

RAMSA WR-M10A



The Ramsa WR-M10A, multiple source mixer has four balanced XLR Mic/Line inputs and two stereo input channels. Each stereo channel accepts three pairs of line level signals, and one pair of RIAA-equalized phono inputs. Eight stereo and four mono sources can be connected to the WR-M10A. A built-in compressor can be switched to 'level' all mono inputs. There is priority muting for voice overs. Both stereo input faders are

equipped with a microswitch for automatic 'on-cue' remote start of tape cart machines, turntables, or CD Players. PFL allows you to preview stereo inputs prior to feeding the output. For convenient mounting, the connector panel can be located on the top, back or bottom of the unit.

WR-M10A	\$995.00
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SONY MXP-290



The Sony MXP-290 audio mixer features 8-channel operation with 48V phantom power, 3-band equalization, and +4dB balanced line input. An internal preview switcher is controllable from Sony editors via parallel mixer interface.

MXP-290	10U	\$ 4,260.00
MXBK-200	Rack mount kit	\$ 109.00
MXBK-201	Armrest/tabletop kit	\$ 280.00

HENRY ENGINEERING MICROMIXER



Henry's Micromixer will accept up to four balanced or unbalanced line-level inputs and will mix them to a stereo output. A level control for each input provides adjustment from "off" to +10dB of gain. "Micro-Assign" switching permits each input to be assigned to the left, right, or both outputs in any combination. All circuitry is active and direct coupled for exceptional sonic accuracy.

Micromixer	\$195.00
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PRODUCTION CONSOLES

SOUNDCRAFT

SINE SYSTEMS

SOUNDCRAFT DELTA AVE & BVE-100



The Soundcraft Delta AVE and BVE-100 are compatible with most popular editor controller, either by direct connection to a parallel interface or via industry standard serial communications with the VSA-24MKII interface. All frames include master module, four subgroup modules and power supply. Call Broadcasters General Store for assistance in configuring a console to fit your needs.

	Mono	Stereo
BVE-100, BVE-100, fully loaded, w/VSA-24MKII serial interface, 8 Input	\$ 7,950.00	\$ 8,830.00
BVE-100, fully loaded, parallel interface, 8 Input	\$ 5,450.00	\$ 6,330.00
Delta AVE - fully loaded, w/VSA-24MKII serial interface, 8 Input, tabletop or rack mount	\$ 9,400.00	\$ 10,825.00
16 Input	\$ 14,400.00	\$ 16,850.00
24 Input Mono	\$ 18,400.00	
24 Input Stereo includes 8 Stereo & 16 Mono inputs		\$ 19,125.00
Delta AVE - fully loaded, parallel interface, 8 Input, table top or rack mount	\$ 6,900.00	\$ 8,325.00
16 Input	\$ 11,900.00	\$ 14,350.00
24 Input Mono	\$ 15,900.00	
24 Input Stereo includes 8 Stereo & 16 Mono inputs		\$ 16,675.00
VSA-24MKII Video Switcher Interface (When purchased separately)	\$ 3,500.00	

SOUNDCRAFT DELTA & DELTA DLX

The Soundcraft Delta and Delta DLX are modular compact consoles with a wealth of technical and operational innovations. These console are shown priced fully loaded with input modules, subgroups, and power supplies. Input modules can be fitted in subgroup module positions if the subgroups are not required. Mono inputs can be replaced with stereo inputs, dual line inputs or blank panels. Call Broadcasters General Store for assistance in configuring a console to fit your needs.

Delta- fully loaded	Standard input	DLX Input
8 Channel, table top or rack mount	\$ 3,690.00	\$ 4,490.00
16 Channel	\$ 5,450.00	\$ 6,950.00
24 Channel	\$ 7,150.00	\$ 9,450.00
32 Channel	\$ 9,100.00	\$ 11,950.00



SINE SYSTEMS NEWS DIRECTOR



The Sine System's News Director is a complete, easy to install, flexible and user friendly solution to the everyday problems associated with news workstations. The NEWS DIRECTOR, sound byte extractor, is a microprocessor-based 16 x 2 program audio and monitoring routing switcher, designed to replace a mixer/clock/AGC and be the central control device in news gathering and editing control rooms. • Provides perfect sound bytes every time • No more missed network feeds • Powerful internal timer and switcher • Eliminates the jumble of wires and relays at the news edit position.

News Director	\$1,500.00
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PRODUCTION CONSOLES



TASCAM M1500 SERIES



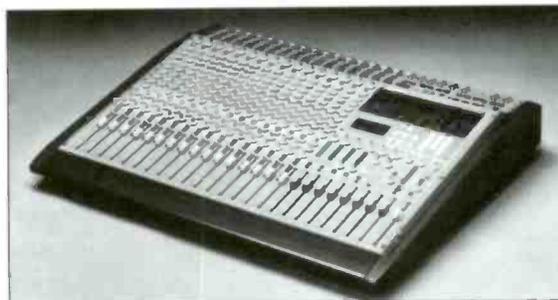
The Tascam M1500 series recording mixers are designed for 4 and 8 track studios. They feature: balanced XLR mic and 1/4" line inputs for each channel • top access connector panel for easy patching • 3-band mid-sweep EQ on each channel • 3 aux sends with independent send controls • 2 stereo and 2 mono assignable effects returns • insert and direct out patch points on channel 1 - 8 • bargraph meters for group and monitor outputs • and PFL facility.

M1508	8x4x2 8 Dual Ins, 4 program outs, and 8 monitor	\$ 1,099.00
M1516	16x4x2 16 Dual Ins, 4 program outs, and 16 monitor	\$ 1,699.00

TASCAM

TASCAM M2500 SERIES

The Tascam M2500 series mixer are designed for 8, 16 and 24 track studios. They feature: XLR mic, 1/4" line, and RCA tape channel inputs • channel direct out and insert jacks • stereo XLR and 1/4", 8 group, studio L&R, and control room L & R outputs • sub L & R, Ext in L & R, and 2-track In L & R inputs • 4 auxiliary outputs • 2 stereo, 2 mono effect returns • and MIDI in, out and thru jacks.



M2516	16x8x2 16 Dual Ins, 8 program outs, and 2 Master Outs	\$3,299.00
M2524	24x8x2 24 Dual Ins, 8 program outs, and 2 Master Outs	\$4,399.00

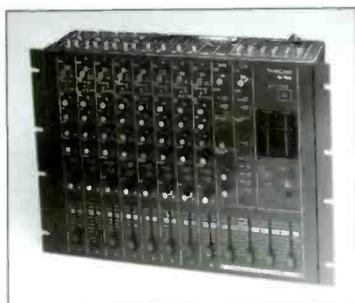
TASCAM M3500 SERIES



The Tascam M3500 series was designed for multi-track recording studios. They feature: In-line monitor format with linear faders • input channels provide 6 AUX sends with 4 send level controls, PFL or stereo in-place solo facilities, and mute switches for channel, monitor and AUX 5 & 6 • 8 bargraph meters with select switches for group/tape return monitoring, plus 2 VU meters on stereo returns • talkback facility • balanced XLR stereo outputs and 2TR inputs • built-in 5-frequency oscillators • PFL or stereo in-place solo • insertion point on each channel, stereo and group buss • mute switches for channel, monitor, and AUX 5 & 6 • control room section provides monitor select switches, solo switch, dim switch, mono switch and level control • studio section provides control room or stereo monitor select switches, mono switch, on/off switch and independent phones and studio level controls • and the flip function swaps monitor input source with channel input source.

M3500/24	(24X8) 24 mono in, 8 prog. outs, dist. monitor	\$ 8,999.00
M3500/32	(32X8) 32 mono in, 8 prog. outs dist. monitor	\$ 9,999.00
M3500/24ST	24 mono in, 8 stereo in, 8 prog. outs, dist. mon.	\$ 10,999.00
M3700/24	(24X8) 24 mono in, 8 prog. outs, automated	\$ 14,999.00
M3700/32	(32X8) 32 mono in, 8 prog. outs, automated	\$ 16,999.00

TASCAM M108



The Tascam M 108 is perfect for the small recording studio because of it's alternative inputs and outputs, monitoring and cue capabilities.

M108	8 mono + 2 stereo ins, 4 program outs	\$849.00
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TASCAM M06/M06ST



The Tascam M06/M06ST are simple, flexible and affordable. They feature: • hi and low EQ on each channel • left and right VU meters • pan (M06) or balance (M06ST) controls • 1/4" mic and RCA line inputs • 1/4" and RCA stereo outputs • effects send (M06) or cue (M06ST) • and two 1/8" headphone jacks.

M06	\$439.00
M06ST	\$549.00

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



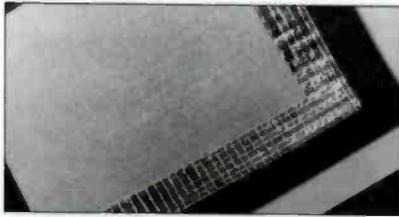
STUDIO FURNISHINGS

ACOUSTICAL SOLUTIONS

ACOUSTICAL SOLUTIONS

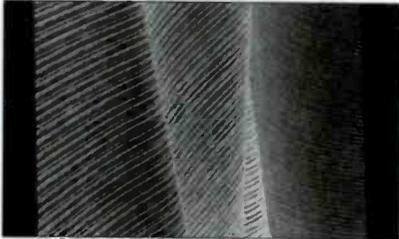
AVL

SONEX



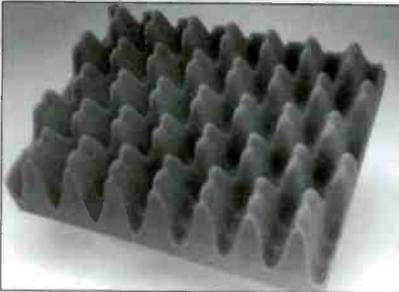
Audioseal vinyl sound barriers are made of tough, high temperature fused vinyl, loaded with non-lead fillers. Common uses include new and existing construction of walls and ceilings to block the transmissions of sound (STC 27).

Vinyl sound barrier	54" x 60' x 1/8" roll (270 sq. feet)	\$ 472.00
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Soundtex Acoustical wall coverings is a sound absorbing wall fabric that reduces noise an average of 25%. It is made of 100% Trevira polyester for durability and easy maintenance. In addition, Soundtex is Class A fire-rated so it can be used safely in any environment. It is available in 18 colors and is easily installed with wallpaper adhesive. Soundtex is sold by the running yard (54" wide) or in bolts.

Fabric	Linear yard 36" x 54" (approx. 13 sq. feet)	\$ 35.00
	Bolt 35 yards x 54" (approx. 472 sq. feet)	\$ 850.00
Adhesive	1 gallon vinyl adhesive	\$ 17.50
Adhesive	5 gallon vinyl adhesive	\$ 75.00



Acoustical Solutions foam comes in two innovative patterns: The Pyramid (AAP) and the Wedge (AAW). Choose from a variety of natural colors including blue, brown, beige and charcoal. UPS shippable.

Wedge AAW2	2' x 4', 2" thick per sheet	\$ 18.00
Wedge AAW3	2' x 4', 3" thick per sheet	\$ 26.00
Wedge AAW4	2' x 4', 4" thick per sheet	\$ 34.00
Pyramid AAP2	2' x 2', 2" thick, 14 per box, covers 56 sq. ft.	\$ 152.00
Pyramid AAP3	2' x 2', 3" thick, 10 per box, covers 40 sq. ft.	\$ 147.00
Pyramid AAP4	2' x 2', 4" thick, 8 per box, covers 32 sq. ft.	\$ 164.00

AVL ACOUSTICAL DESIGN PANELS



AVL systems designs, engineers and manufactures high performance acoustical products for any custom application; wall panels, acoustic baffles, ceiling and spec design. The wall and ceiling treatments help create an interior space that is truly an acoustically controlled environment by absorbing up to 99% of sound energy. For safety and insurance purposes, panels are rated Class A with a flame spread rating of 25 or less and a smoke developed rating of 65 or less.

Acoustical panels in boxed sizes, available in five fabrics; Grey Mix, Crystal Blue, Wheat, Quartz, and Cherry Neutral.

Panels	Size	Total Sq. Ft.	Price
1" (4)	2' x 2'	16	\$ 133.00
(4)	2' x 4'	32	\$ 199.00
(4)	4' x 5'	80	\$ 390.00
(4)	4' x 10'	160	\$ 688.00
2" (2)	2' x 2'	8	\$ 83.00
(2)	2' x 4'	16	\$ 132.00
(2)	4' x 5'	40	\$ 270.00
(2)	4' x 10'	80	\$ 490.00

Call Broadcasters General Store for custom fabrics and panel pricing.

SONEX

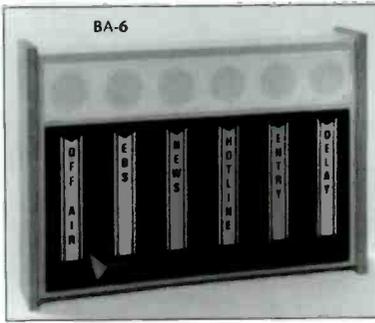


Sonex anechoic wedge shape is specifically designed to scatter, deflect and absorb sound energy. Sonex is available in many styles, please call Broadcasters General Store for Sonex information. Shown below is the Sonex natural. Available in charcoal, beige, and brown, too.

NX-2	48" x 48", 2" thick, 8 per box, covers 128 sq. ft.	\$319.00
NX-3	48" x 48", 3" thick, 6 per box, covers 96 sq. ft.	\$314.00
NX-4	48" x 48", 4" thick, 4 per box, covers 64 sq. ft.	\$307.00
UNX-2	24" x 48", 2" thick, 8 per box, covers 64 sq. ft.	\$169.00
UNX-3	24" x 48", 3" thick, 6 per box, covers 48 sq. ft.	\$167.00
UNX-4	24" x 48", 4" thick, 4 per box, covers 32 sq. ft.	\$164.00



ENBERG ELECTRONICS



Enberg BA-6 monitor provides your control room with a complete view of important status information at a glance. Each of the six flashing indicators are capable of 3 modes of operation, telephone latching, auto reset, and manual reset. The BA-6 also has a DC output (150ma @ channel), designed to drive the BA-6F remote monitor for duplicate displays in other studios.

BA-6	Includes 1 FN-6 and a set of label	\$ 379.00
BA-6R	Remote	\$ 199.00
BA-6RX	Rack mount remote includes 1 FN-6	\$ 379.00
BA-6RXR	Rack mount remote only	\$ 119.00
FN-6	Phone module, detects ring on 2 separate lines	\$ 35.00
Labels	Standard label set (32 titles)	\$ 15.00
FH-6	Modification	\$ 25.00



Enberg CQ-3 Cue Monitor keeps an eye on program outcues in your studios or throughout the station. A single closure will initiate a display sequence (up to 3 stages, 1-60 secs each) that ends with the "cue" channel.

CQ-3	\$259.00
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ENBERG ELECTRONICS

LITTLITE

WHEELLOCK

LITTLITE

"L" series sets come complete and ready for easy surface mounting. All sets are available in 6, 12, or 18 inch lengths with bulb, mounting base and fully adjustable dimmer. Each set also includes a 6 ft. cord, a two-piece snap mount, screws for permanent mounting, and a wall plug-in transformer for 120 volt operation. "A" versions are available without the transformer and can be powered by any available 12 volt supply. Also available as individual BNC, 3 pin XLR, 4 pin XLR, 4 pin XLR right angle detachable lamps or as an individual permanent mount lamp.

Low Intensity		High Intensity	
BNC Detachable Lamp w/Base and dimmer			
L-1/6,/12,/18	\$57.00	L-4/6,/12,/18	\$ 67.00
L-1/6A,/12A,/18A	\$47.00	L-4/6A,12A,/18A	\$ 57.00
Attached Lamp w/Base and dimmer			
L-2/6,/12,/18	\$47.00	L-3/6,/12,/18	\$ 57.00
L-2/6A,/12A,/18A	\$37.00	L-3/6A,12A,/18A	\$ 47.00
Q5	5-watt tungsten-halogen replacement bulb (use w/HL hood)		\$ 9.00



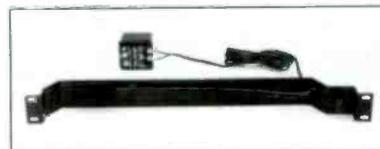
WHEELLOCK



The Wheellock TelStrobe® is ideal for signaling your board operator when the telephone rings. Their solid-state design utilizes a xenon flash tube for brightness, long life and low power consumption. Strobes operate directly from telephone line ring voltage and low voltage AC or DC power supplies.

The RL-10 High Intensity Ralilite comes complete with a 12" flexible gooseneck, bright 5 watt halogen bulb, dimmer rheostat, 6 foot cord and transformer. The light is recessed into a sturdy black metal E.I.A. 1RU rack panel. It is available in a single (RL-10S) or dual (RL-10D) gooseneck version.

Ralilite	
RL-10S	\$ 99.00
RL-10D	\$ 149.00
RL-10-SA	\$ 89.00
RL-10-DA	\$ 139.00



A.	PS-11A-WPW	40-130V, 16-68HZ + 115VAC, 70KCP	\$85.75
B.	PS-33A-WPW	18-30VAC/VDC, 25KCP	\$72.35



STUDIO FURNISHINGS

NIGEL B. FURNITURE



AL-DRS



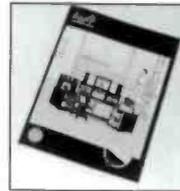
RS



RMK



6FD



Nigel B. Furniture has a large selection of workstations to fit your needs. Its modular approach will allow you to add or reconfigure without restrictions. Please call us for a Nigel B. catalog.

AL-DRS	13U desktop rack stand, 28 lbs.	\$169.95
RS	13U recorder stand, additional 7U between legs, 34 lbs.	\$299.95
RMK	Holds up to 15" computer monitor, w/removable anti-glare front panel	\$259.95
6FD	6U filing drawer, 18"D x 10 1/2"W, 100 lb. capacity	\$169.95

LUXO DISPLAY ARMS



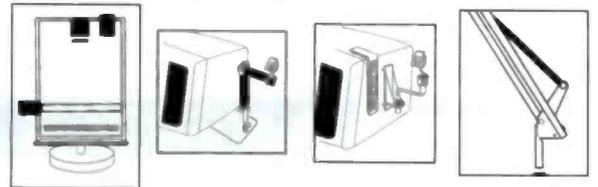
Luxo LCA-30



Luxo LCA-100

LCA-20	Spring balanced, holds 10-20 lbs., clamps up to 2 5/8", 16" arm reach, height adjusts from 13 1/4" to 13 3/4"	\$239.00
LCA-30	Same as above, but holds 20-30 lbs.	\$239.00
LCA-100	Friction arm, holds up to 100 lbs., clamps up to 2", 13" arm reach, height adjusts from 11 1/4" to 10 1/2"	\$199.00

PERFECT DATA COPYHOLDERS



16006P	Weighted base copyholder	\$45.00
16003P	Under monitor copyholder	\$45.00
16002P	Monitor side mount copyholder	\$45.00
16007P	Flex-arm copyholder	\$55.00
16008P	Heavy duty flex-arm copyholder	\$65.00
16009P	Heavy duty flex-arm w/form adaptor	\$85.00

Accessories:

16055P	Wide form adaptor	\$22.00
16060P	System lamp - 110v	\$56.00
16050P	Motorized line guide - 110v	\$65.00
105344-1	Paper clip w/clock	\$7.00
105049-1	Bulb, replacement for lamp assy.	\$10.00

ON AIR/RECORDING LIGHTS



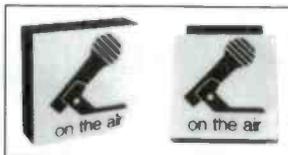
Fidelipac



Titus



Micro Series



McPhiben



Pro 3636

Fidelipac 340	On Air (specify language w/order)	\$ 72.00
Fidelipac 340 REC	Record	\$ 72.00
Titus OAL-xyz	On Air light Series with oak housings	\$125.00
Specify	x = H for Horizontal or V for Vertical y = G for Gold tone frame or S for Silver z = None for On Air or R for Recording Custom lettering, engraving and wood available.	
Micro Series L101	Micro Series On Air light, 24VDC, red or white lens	\$ 32.50
McPhiben	Flat wall mount	\$ 59.00
McPhiben	Ceiling or extended mount	\$ 59.00
Lens	Specify Record, On Air, or Mic Picture only	\$ 15.00
Lens	Blank	\$ 10.00
Pro 3636	On Air light w/red incandescent bulb, 110VDC	\$ 57.00
RB-1	25 watt red replacement bulb	\$ 5.95

See page 113 for Evertz data display signs.

RUSLANG



Ruslang Modular Record, Tape, and CD Storage systems can be mixed making many various configurations available. If you don't see what you want just ask and Ruslang will customize it for you.

CD Storage compatible with standard CD case and Denon ACD-5B cases.

CD-32	69 1/8" wide, 5 3/8" deep, 23 3/8" high	\$ 65.00
CD-64	12 3/8" wide, 5 3/8" deep, 23 3/8" high	\$ 89.00
CD-96	18" wide, 5 3/8" deep, 23 3/8" high	\$ 115.00



STUDIO FURNITURE

Artcraft Furniture, located in Orlando, Florida, will custom design, deliver and install furniture.

Murphy Studio Furniture, located in Spring Valley, California, has a unique blend of ergonomics and aesthetics with three standard series to choose from: Classic, Premier and Elite or your own custom design.

The Express Group, located in San Diego, California, has a selection of six different series of furniture to choose from or will do a custom design to suit your needs. Depending on your budget and requirements you should be able to find the perfect furniture for your studio.

Ruslang, located in Bridgeport, Connecticut, has the standard HD and S series of furniture available or will customize to suit your need.

Studio Technology, located in Malvern, Pennsylvania, has a variety of services including furniture design, modification of existing furniture, conference tables, reception areas, music library storage and delivery and installation services.

Call Broadcasters General Store for complete information on any of these fine studio furnishings.

STUDIO FURNITURE

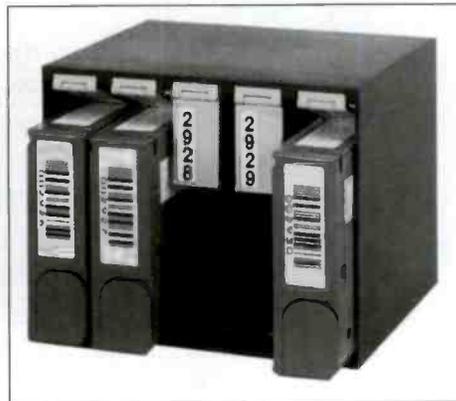
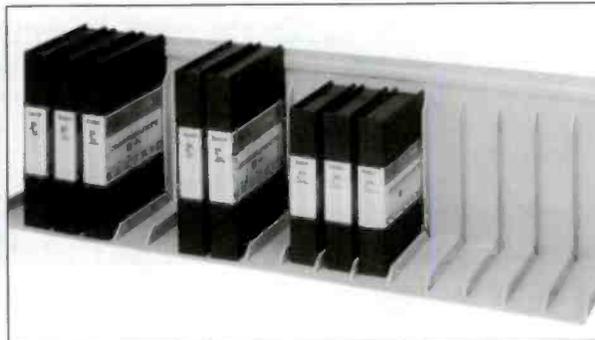
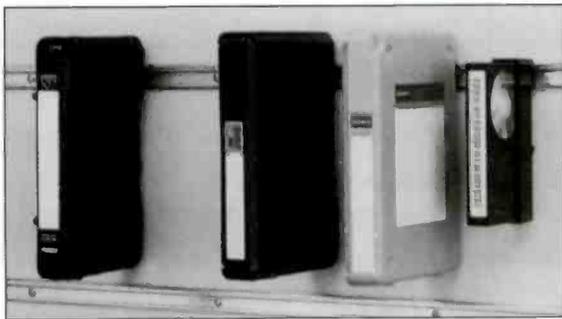
WINSTED

WINSTED TAPEHOOK & RAIL SYSTEM

The TapeHook and Rail system is a unique patented design that attaches permanently to the tape case to be stored. The tape case then securely snaps firmly into place on a wall mounted rail for storage. Ideal for VHS, Betacam, MII, 3/4" audio and DAT tapes.

Mini TapeHook	For Cassettes, DAT, 8mm (25)	\$ 20.00
Heavy Duty TapeHook	For 3/4" (25)	\$ 29.00
Extruded Aluminum Tape Rail	34 1/2" #69205	\$ 4.00
48"	34 1/2" PN: 69209	\$ 5.25

Other tape storage systems carts, cabinets (moveable and fixed) and shelves are available. Please call Broadcaster's General Store for ordering information.



Many accessories as well as modular consoles for video editing systems, computer graphics workstations, A/V carts and tape trucks are available. Please call Broadcasters General Store for a Winsted catalog.



EQUIPMENT RACKS

HOME



House of Metal Enclosures, HOME makes a comprehensive range of cabinets, enclosures, racks and consoles. Panel mounting hardware is supplied. The WRE Series is 18 1/2" deep, 22 3/8" wide and comes with fixed 11ga rack rails drilled and tapped for 10/32" screws in the standard grey hammertone unless specified. A rear door with lock is included.

Model	Height	Rack Sp.	Price
WRE3675	41 1/8"	367/8"	\$473.32
WRE4200	46 3/8"	421/8"	\$493.50
WRE6125	65 5/8"	61 3/8"	\$565.09
WRE7000	74 3/8"	701/8"	\$629.87
WRE7700	81 3/8"	771/8"	\$660.18

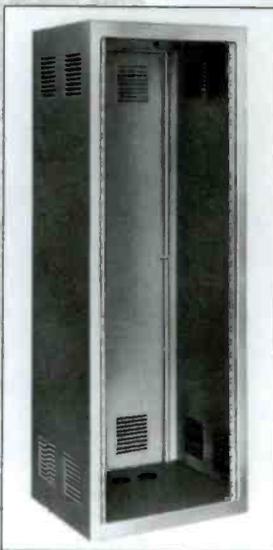
Optional colors, solid or Plexiglass front door, cabinet shelves, locks, rack mounted shelves, rear rack rails, casters or roller truck and more.

HOME

SOUNDOLIER

ZERO STANTRON

SOUNDOLIER



Soundolier racks are available welded and assembled (WA) or knocked down in a variety of styles including relay, multi-racks, floor cabinets, wall cabinets, desk top and amplifier cabinets. All models are 16ga steel and include 11ga mounting rails drilled and tapped to 10-32 and come in textured flat black unless specified. The racks shown below are 18 1/2" deep and 22 3/8" wide with rear door included. The 100 Series rack rails are fixed and the 200 Series are adjustable.

Model	Height	Rack Sp.	Price	Model	Height	Rack Sp.	Price
100-36A	41 1/16"	367/8"	\$465.13	200-36LDA	41 1/16"	367/8"	\$598.28
WA100-36A	41 1/16"	367/8"	\$507.40	WA200-36LDA	41 1/16"	367/8"	\$661.03
100-42A	46 5/16"	421/8"	\$486.68	200-42LDA	46 5/16"	421/8"	\$641.68
WA-100-42A	46 5/16"	421/8"	\$529.05	WA200-42LDA	46 5/16"	421/8"	\$711.48
100-61A	65 9/16"	61 3/8"	\$574.20	200-61LDA	65 9/16"	61 3/8"	\$765.43
WA100-61A	65 9/16"	61 3/8"	\$605.80	WA200-61LDA	65 9/16"	61 3/8"	\$839.90
100-70A	74 5/16"	701/8"	\$640.58	200-70LDA	74 5/16"	701/8"	\$819.95
WA100-70A	74 5/16"	701/8"	\$675.25	WA200-70LDA	74 5/16"	701/8"	\$884.90
100-77A	81 5/16"	771/8"	\$671.95	200-77LDA	81 5/16"	771/8"	\$866.33
WA100-77A	81 5/16"	771/8"	\$707.75	WA200-77LDA	81 5/16"	771/8"	\$920.35

Optional Plexiglass or steel front doors, rear rack rails, locks, depths, colors, and more are available.

ZERO STANTRON VIDEO



Stantron racks and consoles come preassembled (welded) or knocked down. Many console configurations are available with desk tops, pullout shelves, drawers, steel or plexiglass doors, monitor bridges and more in a variety of finishes, colors and laminates.

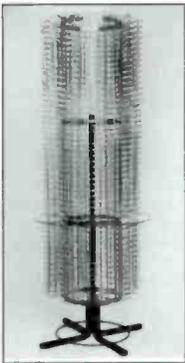
FRK Series Knocked down and FRW Series Welded racks are 16ga with base, top, side panels, rear door and two pairs of rack rails. The FR Series racks are Welded 14ga with open sides, locking rear door, adjustable rails and conduit knockouts.

Model	Width	Height	Depth	Panel Ht.	Price
FRK35-18	22 3/8"	39 1/16"	18 5/8"	35 1/16"	\$324.00
FRK61-18	22 3/8"	65 5/16"	18 5/8"	61 5/16"	\$413.28
FRK61-25	22 3/8"	65 5/16"	25 5/8"	61 5/16"	\$473.76
FRK70-18	22 3/8"	74 1/16"	18 5/8"	70 1/16"	\$442.08
FRW35-18	22 3/8"	39 1/16"	18 5/8"	35 1/16"	\$360.00
FRW61-18	22 3/8"	65 5/16"	18 5/8"	61 5/16"	\$465.12
FRW61-25	22 3/8"	65 5/16"	25 5/8"	61 5/16"	\$502.56
FRW70-18	22 3/8"	74 1/16"	18 5/8"	70 1/16"	\$499.68
FRS2-18	22 5/32"	61"	18 5/8"	52 5/16"	\$586.08
FRS2-25	22 5/32"	61"	25 5/8"	52 5/16"	\$630.72
FR70-18	22 5/32"	78 1/2"	18 5/8"	70 1/16"	\$686.88
FR70-25	22 5/32"	78 1/2"	25 5/8"	70 1/16"	\$737.28

Other cabinets, racks, consoles, fans (exhaust or intake) and power strips are available. Call Broadcaster's General Store for ordering information.



ABCO



Cart Racks

#50 Stringer	Holds 50 carts, 4 1/2"Wx6"Dx65"L	\$ 57.00
#300	Complete Lazy Susan holds 300, 6' H, 22" diameter	\$ 395.00
#500	Complete Lazy Susan holds 500, 6' H, 27" diameter	\$ 600.00

CD Racks, for standard jewel cases and Denon cases

#70 Stringer	Holds 70 CDs, 5 1/2"Wx5 1/2"Dx69 1/2"L	\$ 69.00
#280	Complete Lazy Susan holds 280 CDs, 6' H, 22" diameter	\$ 355.00
#560	Complete Lazy Susan holds 560 CDs, 6' H, 27" diameter	\$ 637.00

ABCO

ALPS

ATLANTIC

ALPS MEDIA STORAGE



Alps storage for: cassettes, DATs, carts, CDs, all sizes audio reels, magnetic film, 8mm, VHS, M2, Beta, 3/4", D1, D2, and 1" reels. Alps cabinets have a reputation for craftsmanship and durability in high use situations that is second to none. If you compare cost per unit and density per square foot of floor space, you won't find a better value in media storage. All of Alps line of high density storage cabinets are 4' wide and 2' deep, with heights of 42" for small bases, 60" for large bases and 45" for top units. Inserts come inside of every drawer and drawers can be mixed to fit your needs. The standard colors are: white, almond and gray. Other color laminates are available at an additional cost. These cabinets are shipped fully assembled by common carrier, you may want to specify inside delivery.

ALPS CD Storage Cabinets:

CBA605	Five drawer base unit, holds 2160 CD's	\$ 1,000.00
CBA908	Eight drawer base unit, holds 3456 CD'S	\$ 1,250.00
CBU466	Six drawer top unit, holds 1836 CD'S	\$ 1,450.00

ALPS Cart Storage

CBA606	Six drawer base unit, holds 1440 carts	\$ 1,075.00
CBA909	Nine drawer base unit, holds 2160 carts	\$ 1,325.00
CBU466	Six drawer top unit, holds 864 carts	\$ 1,450.00

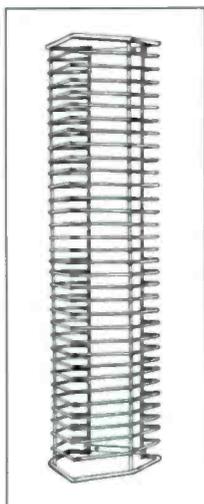
ALPS Video Cassette Storage

CBA607	Seven drawer base unit, holds 812 raw cassettes	\$ 1,150.00
CBA911	Eleven drawer base unit, holds 1276 raw cassettes	\$ 1,475.00
CBU444	Four drawer top unit, holds 672 raw cassettes	\$ 1,150.00
CBA606	Six drawer base unit, holds 510 w/box	\$ 1,075.00
CBA910	Ten drawer base unit, holds 850 w/box	\$ 1,400.00
CBU444	Four drawer top unit, holds 512 w/box	\$ 1,150.00
Locks	Per cabinet charge	\$ 120.00

Call for pricing on other tape storage units. This is just a sample of what's available.

ATLANTIC

Atlantic makes a wide variety of economical modular tape storage units, this is a sample.



1209	CD tower, holds 35, steel wire/matte black, 5"Wx4"Dx22"H (holds standard jewel case and Denon ACD-5B cases)	\$16.00
1229	Cassette tower, holds 25, steel wire/matte black	\$16.00
1230	VHS tower, holds 17, steel wire/matte black	\$16.00

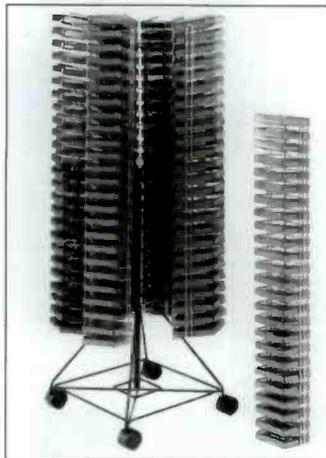


STORAGE

FIDELIPAC - CARTRIDGE STORAGE SYSTEMS

FIDELIPAC

MIDDLE ATLANTIC



Fidelipac MR-200, Mobile Cartridge Rack is a convenient roll-around with heavy-duty casters, holding up to 200 carts. The WR-25 Wall Rack Modules, hold 25 carts and permit quick and easy transfer of individual modules from wall storage to active carousel.

MR-200	48"H, loaded diameter 19", 47 lbs.	\$ 390.00
WR-25	37"Hx4.5"Wx5.5"D, Loaded	\$ 38.00
MRB-1	Mobile Rack Base only	\$ 87.00
90-3	Extra wall mounting brackets for the WR-25	\$ 1.00

Fidelipac TR-48 and TR-96, Tabletop Cartridge Racks, hold 48 and 96 cartridges. Each vertical module holds up to 12 carts, and is easily removable, with carrying handle.

TR-48	20"H, loaded diameter 15", 11 lbs.	\$ 109.00
TR-96	20"H, loaded diameter 20", 23 lbs.	\$ 194.00

MIDDLE ATLANTIC PANEL SYSTEM



A unique system that allows you to design and put together your own custom connector panels out of stock products. UCP panels are designed for XLR, Amp, Elco, BNC, MIDI, AC duplex, RCA, Phone, F connectors, and more. There is no panel deflection while inserting connectors and all hardware is flush making a professional custom installation. Call us for help in configuring custom panels.

UCPS	Any punched UCP single module	\$ 10.45
UCPD	Any punched UCP double module	\$ 20.91
UCPB-1	Single width blank module	\$ 9.80
UCPB-2	Double width blank module	\$ 19.34
UCPB-3	Triple width blank module	\$ 24.30
UCPB-4	Quad width blank module	\$ 29.01
FK-2	2 space UCP frame kit w/hardware	\$ 29.67
FK-4	4 space UCP frame kit w/hardware	\$ 56.86
FK-6	6 space UCP frame kit w/hardware	\$ 83.92
FK-8	8 space UCP frame kit w/hardware	\$ 114.50

MIDDLE ATLANTIC RACK SHELVES



Middle Atlantic has a custom rack shelf and bezel for almost any piece of equipment available. Please call us for more information.

RSH4A	Black brushed aluminum custom rackshelf	\$149.41
RSH4S	Black textured steel custom rackshelf	\$122.22

MIDDLE ATLANTIC RACK PANELS



EB1



SB2

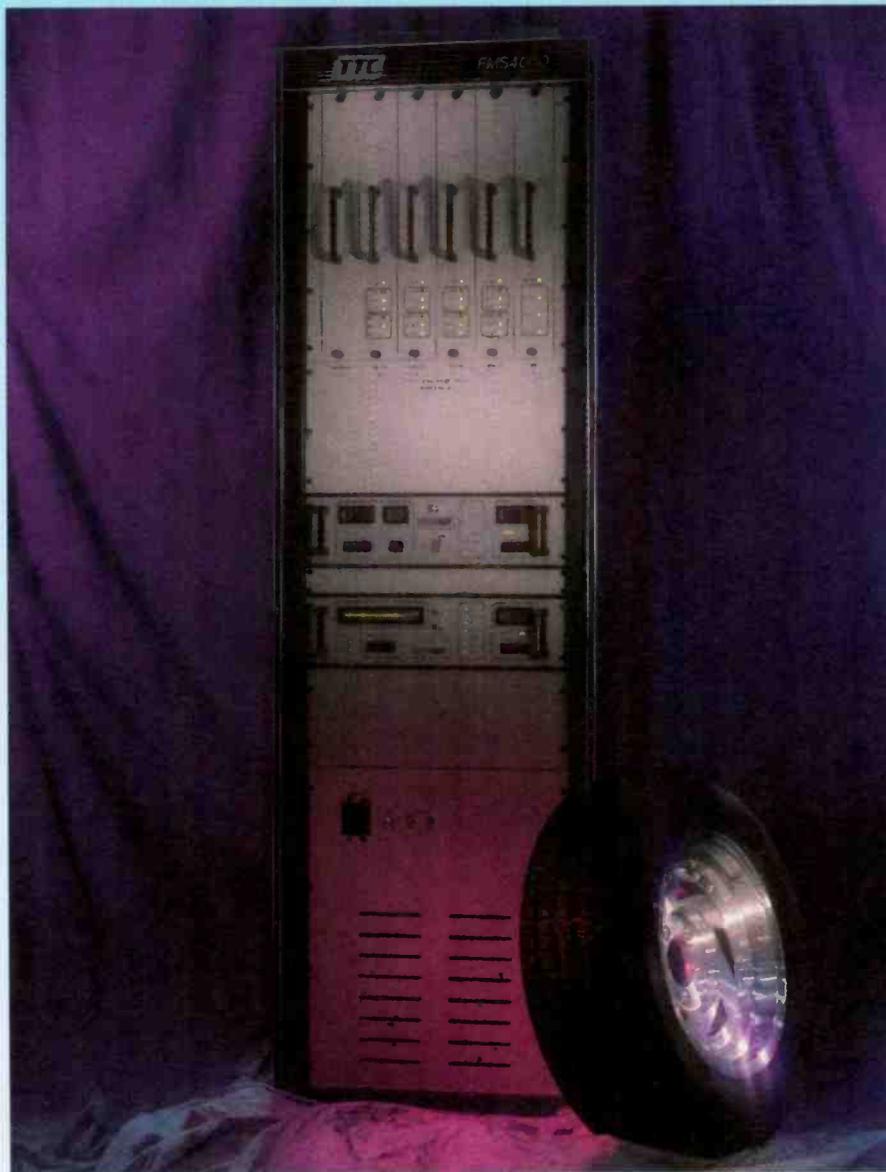


BL2

Blank Rack Panels

EB1	1U 14ga steel blank flat	\$ 7.00	SB6	6U 16ga steel blank flanged	\$23.44
EB2	2U 14ga steel blank flat	\$ 8.67	HBL1	1U 1/8" aluminum blank flat	\$17.02
EB3	3U 14ga steel blank flat	\$10.44	HBL2	2U 1/8" aluminum blank flat	\$21.46
EB4	4U 14ga steel blank flat	\$12.44	HBL3	3U 1/8" aluminum blank flat	\$29.12
EB5	5U 14ga steel blank flat	\$14.00	HBL4	4U 1/8" aluminum blank flat	\$33.92
EB6	6U 14ga steel blank flat	\$15.33	HBL5	5U 1/8" aluminum blank flat	\$38.27
SB1	1U 16ga steel blank flanged	\$11.94	HBL6	6U 1/8" aluminum blank flat	\$44.44
SB2	2U 16ga steel blank flanged	\$13.92	BL1	1U 16ga aluminum blank flanged	\$17.02
SB3	3U 16ga steel blank flanged	\$16.04	BL2	2U 16ga aluminum blank flanged	\$19.62
SB4	4U 16ga steel blank flanged	\$18.12	BL3	3U 16ga aluminum blank flanged	\$24.16
SB5	5U 16ga steel blank flanged	\$20.73	BL4	4U 16ga aluminum blank flanged	\$26.14

Tubeless.



If you thought Solid-State FM was something new... think again.

Why settle for old tube-type performance when field proven solid-state FM is here today? Since 1989, TTC has shipped over 80 solid-state FM transmitters to customers all over the world. Cost Savings? About \$3,000 per year over competitive designs. Lightning Protection? It's built in. Performance? Some specs are eight times better than our competitors.

Power Range? 100 watts to 16,000 watts. For more information on TTC's full line of Radio Products, please call or write Russ Erickson at TTC.



Announcing The ST60-PVW

The One & Only Low Cost Parallel Interface For SONY PVW Betacam-VTRs



- ▼ The ST60-PVW Parallel Interface provides a **low cost, easy** to use parallel interface for the **SONY PVW** Betacam format VTR.
- ▼ Now you can **easily** upgrade to the PVW from a BVU or any other parallel controlled VTR **easily and economically**.
- ▼ The ST60-PVW Parallel Interface is **easily** interfaced to your Master Control Switcher, Parallel Machine Control System, or Control Panel consisting of **simple** switch closures.
- ▼ In fact, **any** simple switch or contact closure can **now** control the **SONY PVW** series Betacam.

Features

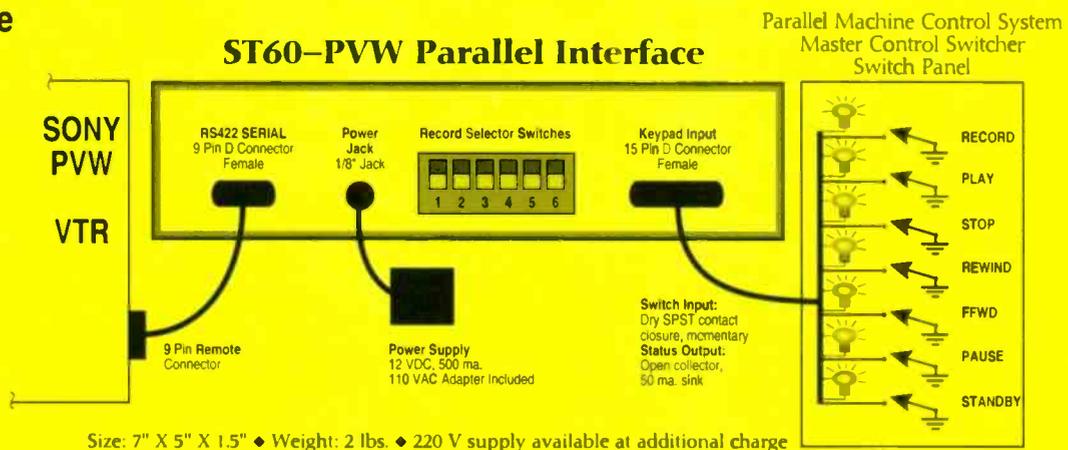
Easy to install. Simple to use. Simply plug it into the PVW's serial remote connector. Connect your Master Control Switcher, Parallel Machine Control System or control panel into the parallel input of the ST60-PVW.

Controls Record, Play, Stop, Rewind, Fast Forward, Standby ON/OFF, and Pause with a simple switch or contact closure. **Switch** selectable Record Mode: Record Lockout, Crash, Assemble, and Insert Record.

Provides real-time VTR tallies: Record, Play, Stop, Rewind, Fast Forward, and Standby ON. Active low, Open-Collector output

Can be easily and inexpensively customized with the functions and tallies required for your specific application.

Interface

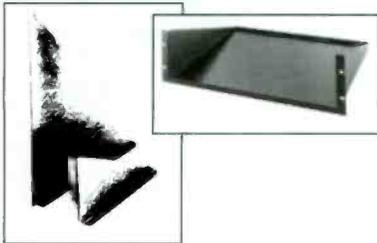


Your Source For Low-Cost, High Quality Control Solutions.





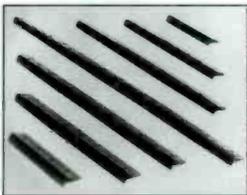
MIDDLE ATLANTIC K.D. SHELVES



These shelves are separate parts for putting together your own rack shelves. Flush studs are provided with the bottom for easy assembly. Fits all equipment up to 17³/₈" wide.

KDE3	3U L&R ears only 5 ¹ / ₄ " tall x 15 ¹ / ₂ " deep	\$39.00
KDE4	4U L&R ears only 7" tall x 15 ¹ / ₂ " deep	\$40.50
KDE5	5U L&R ears only 8 ³ / ₄ " tall x 15 ¹ / ₂ " deep	\$41.90
KDE6	6U L&R ears only 10 ¹ / ₂ " tall x 15 ¹ / ₂ " deep	\$43.30
KDE7	7U L&R ears only 12 ¹ / ₄ " tall x 15 ¹ / ₂ " deep	\$45.00
KDE8	8U L&R ears only 14" tall x 15 ¹ / ₂ " deep	\$46.70
KDB	Deep bottom 15 ¹ / ₂ " deep use with ears	\$21.00
KDB-20.5	20 ¹ / ₂ " deep bottom (for use with 15 ¹ / ₂ " ears)	\$23.33
KDE3S	3U L&R ears only 5 ¹ / ₄ " tall x 11 ¹ / ₂ " deep	\$37.20
KDSB	Short bottom 11 ¹ / ₂ " deep use with 11 ¹ / ₂ " ears	\$19.70

MIDDLE ATLANTIC RACK RAILS



These rack rails are 1/8" steel punched and tapped for 10/32 screws. Black enamel finish. 9/32" diameter side mounting holes spaced 1¹/₄" - 1/2". Sold in pairs, bent for 19¹/₈" wide (L to R) rough in.

RR2	2U	\$ 6.33	RR18	18U	\$ 33.11
RR4	4U	\$ 9.78	RR21	21U	\$ 37.78
RR6	6U	\$ 14.51	RR27	27U	\$ 46.56
RR8	8U	\$ 17.05	RR45	45U	\$ 66.72
RR10	10U	\$ 20.39	RRF45	45U	\$ 73.78
RR12	12U	\$ 24.33	9/32" side mounting holes every space		
RR14	14U	\$ 27.06	CUT	\$ 4.00	
RR16	16U	\$ 30.39	Cutting charge to cut any stock size to any size		

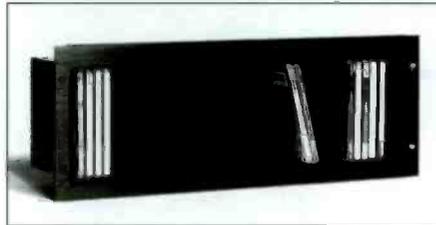
MIDDLE ATLANTIC



Security Covers

S1	1U big perf 5/32"	\$27.75
S2	2U big perf 5/32"	\$30.90
S3	3U big perf 5/32"	\$33.77
S4	4U big perf 5/32"	\$36.02
SF1	1U small perf 1/16"	\$27.75
SF2	2U small perf 1/16"	\$30.90
SF3	3U small perf 1/16"	\$33.77
SF4	4U small perf 1/16"	\$36.02

MIDDLE ATLANTIC

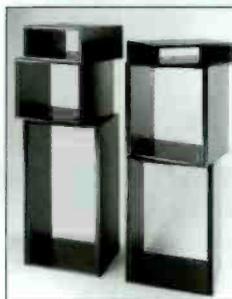


Rack Mounted Holders

CD	Holds 40 CD's, 4U	\$ 82.35
CS	Holds 33 cassettes 3U	\$ 78.70
DAT	Holds 27 DATs 3U	\$ 78.70
FD	Holds 60 floppy disks 3U	\$ 78.70
LP	Holds LP/Laser disc/Binders 8U	\$ 164.70

MIDDLE ATLANTIC

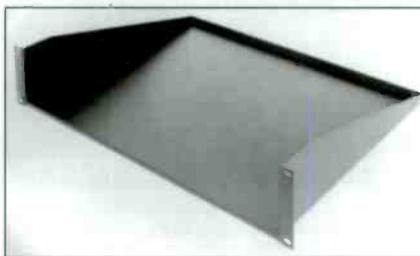
MIDDLE ATLANTIC RK EQUIPMENT RACKS



The RK series ships flat, assembles quickly and is constructed of 5/8" particle board covered in black laminate. Pre-installed rack rails are 1/8" thick black baked enamel steel, tapped for full hole spacing to fit all equipment.

RK2	3 ¹ / ₂ " tall, 16" deep	\$ 77.78
RK4	7" tall, 16" deep	\$ 82.22
RK8	14" tall, 16" deep	\$ 120.00
RK12	21" tall, 16" deep	\$ 126.67
RK16	28" tall, 16" deep	\$ 137.78
RK20	35" tall, 16" deep	\$ 153.33
BRK8	14" tall, 18" deep	\$ 126.67
BRK12	21" tall, 18" deep	\$ 137.78
BRK16	28" tall, 18" deep	\$ 144.44
BRK20	35" tall, 18" deep	\$ 160.00
SRK	sloping rolling rack, 18U vertical, 10U sloped	\$ 260.00

MIDDLE ATLANTIC UTILITY SHELVES



Quick and easy rack-mounting for equipment not normally rack mountable. One piece 16ga steel with a black finish.

U-1	1 ³ / ₄ " tall x 11" deep, up to 35 lbs., 1U	\$ 41.88
U-2	3 ¹ / ₂ " tall x 14 ³ / ₄ " deep, up to 50 lbs., 2U	\$ 55.60
U-3	5 ¹ / ₄ " tall x 14 ¹ / ₂ " deep, up to 55 lbs., 3U	\$ 59.00
SS	Sliding shelf 17 ¹ / ₂ " wide x 15 ³ / ₄ " deep, pulls out 14", up to 50 lbs., telescoping rear support fit all racks with or w/o rack rails, occupies over 1U	\$ 128.88



STORAGE

NIGEL B. STORAGE



NIGEL B.

RAXXESS

TREE DIMENSIONS



Drawer Storage

2DATD	2U DAT drawer, 18" D	\$ 159.95
4CD	4U CD drawer, holds 69, 18" D	\$ 169.95
3FDD	3U 3 1/2" Floppy Disk drawer, holds 112, 18" D	\$ 159.95
AC-3D	3U Cassette drawer, holds 60, 18" D	\$ 159.95
HI8-3D	3U HI 8 drawer, holds 60, 18" D	\$ 159.95
VHS-3D	3x VHS drawer, holds 30, 18" D	\$ 159.95

Mobile Tape Carts (34"Hx 20"Dx 25"W) Black with gray shelves

TC-2SS	2 shelf tape cart, holds 50 1/2" or 36 3/4" tapes	\$ 259.95
TC-4SS	4 shelf tape cart, holds 100 1/2" or 72 3/4" tapes	\$ 349.95
TC-8	4 shelf HI 8 tape, holds 120 HI 8 tapes	\$ 259.95
TCSH	Standard shelf, holds 25 VHS or 18 3/4" tapes	\$ 59.95
TCH8	HI 8 shelf, holds 30 HI 8 tapes	\$ 39.95
TC-EXT	Extension unit, provides additional space for 2 shelves	\$ 49.95

RAXXESS RACK SCREWS



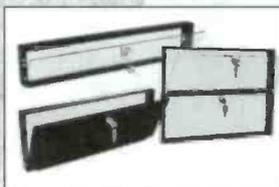
RAXXESS CD, CASSETTE & DAT STORAGE



These plastic rails can be mounted just about any place using existing screw holes or supplied double sided tape.

CD24	CD organizer, holds 24	\$10.00
AC16	Cassette or DAT organizer, holds 16	\$10.00

RAXXESS SECURITY COVERS



Raxxess Locking Security Covers

LSC-2 or 4	2U or 4U locking black enamelled steel	\$44.95
LSC-2P or 4P	2U or 4U locking with lexan, see thru door panel	\$54.95
LSC-8P	8U locking with two lexan, see thru door panels	\$89.95

Raxxess Rack Screws and Washers

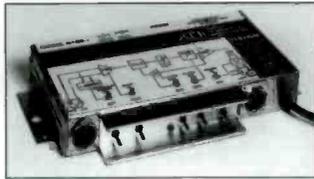
PTSW25	(25) 10/32 x 3/4" Phillips black oxide w/nylon washers	\$ 5.25
PTSW50	(50) 10/32 x 3/4" Phillips black oxide w/nylon washers	\$ 10.00
PTSW100	(100) 10/32 x 3/4" Phillips black oxide w/nylon washers	\$ 19.50
SHWS	(100) #10 nylon shoulder washers to isolate equipment from rack	\$ 7.50
SDS	(100) 10/32 x 3/4" square drive black oxide w/nylon washers	\$ 25.50
SDB	Square drive bit	\$ 2.00

TREE DIMENSIONS



Hold 135 CD's - 20"Wx17 1/4"Hx6 1/2"D, Assembled	Hold 552 CD's - 30"Wx62"Hx10 3/4"D Ready to assemble
CD130 Honey Oak \$ 49.95	CD550 Honey Oak \$ 199.95
CD130B Black Lacquer \$ 49.95	CD550B Black Lacquer \$ 199.95
CDM135 Light Maple \$ 29.95	Hold 80 Video cassettes - 23 1/2"Wx35"Hx8 1/2"D, Assembled
Hold 260 CD's - 23 1/2"Wx35"Hx8 1/2"D, Assembled	V75 Honey Oak \$ 89.95
CD250 Honey Oak \$ 99.95	V75B Black Lacquer \$ 89.95
CD250B Black Lacquer \$ 99.95	Ready to assemble
CDM260 Light Maple \$ 69.95	VU-80 Honey Oak \$ 69.95

MICROPHONE PRE-AMPS



ATI M-100



Radio Design STM-1



Radio Design STM-2

ATI

BENCHMARK

RADIO DESIGN LABS

RANE

SHURE

STEWART

STUDIO TECHNOLOGIES

SYMETRIX



Radio Design STM-3



Rane MS-1



Shure FP-11



Stewart MP-2



Studio Tech. Mic Pre-Eminence



Symetrix SX-202

MICROPHONE PRE-AMPS

MAKE/ MODEL	FREQUENCY RESPONSE	NOISE (EIN)	GAIN	THD (DISTORTION)	OTHER FEATURES & OPTIONS	PRICE
ATI						
M1000-1	50-20K	-124dBm	74dB	.2%	48V Phantom Pwr. Opt.; RM Opt.	\$ 429.00
M100	20-20K	-124dBm	74dB	.03%	48V Phantom Pwr. Opt.; RM Opt.	\$ 329.00
MMA400-1	20-20K	-120dBm	64-84dB	.25%	XFMR. Out; Quad Amp.	\$ 525.00
MMA400-2	20-20K	-120dBm	64-84dB	.25%	Active Bal. Out	\$ 399.00
MMA800-1	20-20K	-120dBm	64-84dB	.25%	XFMR. Out; 8 Amp.	\$ 795.00
MMA800-2	20-20K	-120dBm	64-84dB	.25%	Active Balanced Out; 8 Amp.	\$ 599.00
BENCHMARK						
MP-4	>200K	-130dBu	75dB	.0009%	Circuit Card	\$ 265.00
MPS-400	>200K	-130dBu	75dB	.0009%	RM; 4-Ch.	\$ 1460.00
MPS-420	>200K	-130dBu	75dB	.0009%	RM; 4-Ch.; 2 Summed Outputs	\$ 1735.00
PS10B	Power Supply for 400/420					\$ 275.00
RADIO DESIGN LABS						
STM-1	50-30K	<125dB	50dB-Fixed	.05%	PS-24A Opt.	\$ 79.95
STM-2	50-25K	<130dB	65dB	.05%	PS-24A Opt.; Dual	\$ 109.95
STM-3	50-25K	<130dB	75dB	.05%	PS-24A Opt.; Dual	\$ 125.95
PS-24A					Power Supply	\$ 13.95
RANE						
MS-1	20-20K	-131dBu	60dB	.007%	Phantom Pwr.; TRS. Out.	\$ 189.00
FMI-14 (Modular)	10-100K	-131dBu	60dB	.009%	3-Band E.Q.	\$ 349.00
FVR-10: 10 Module Mainframe						\$ 55.00
FRS-B: 8 Output Power Supply						\$ 249.00
FJB-1; Adapts FMI-14 to 19" Rack Mnt.						\$ 39.00
SHURE						
FP-11	20-20K	-129dBv	84dB	<.5%	Uses 9VDC Battery	\$ 290.00
STEWART						
MP-2	20-20K	-126dB	70dB	<.01%	RM Opt.; 3-Band EQ.	\$ 399.00
STUDIO TECHNOLOGIES						
Mic Pre-Eminence	10-90K	-129.5dBm	68dB	.0025%	RM; Dual Channel	\$ 799.00
SYMETRIX						
SX-202	20-20K	<-129dBm	53dB	<.02%	RM Opt.	\$ 299.00

NOTES: FREQUENCY RESPONSE MEASURED AT FULL GAIN AND $\pm 1dB$ \neq NOISE (EQUIVALENT INPUT NOISE): -131dBm APPROACHES THEORETICAL LIMIT
RM DENOTES RACK MOUNT \neq OPT. DENOTES OPTION AVAILABLE



STUDIO MICROPHONES

AKG

AUDIO TECHNICA

BEYERDYNAMIC

ELECTRO-VOICE

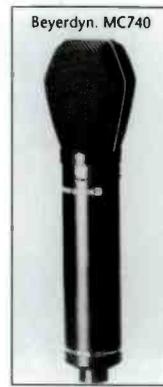
C.A.D.

NEUMANN

SENNHEISER

SHURE

SONY



STUDIO MICROPHONES

MAKE/ MODEL	(1) TRANSDUCER	(2) PATTERN	IMP.	CONN.	FREQUENCY RANGE	(3) SENSITIVITY	SPL	SIZE	WEIGHT	PRICE
AKG										
The Tube	C	O,C,8,HC	200Ω	XLR	30-20K	10mV	128dB	1.7 Ø x8.9	24 oz.	\$ 2999.00
C414B/ULS	C	O,C,8,HC	180Ω	XLR	20-20K	12.5mV	140dB	5.6 Ø x1.8x1.4	11 oz.	\$ 1199.00
C451EB/CK1	C	C	200Ω	XLR	20-20K	9.5mV	120dB	.7 Ø x6.3	1.8 oz.	\$ 589.00
C460B/CK61/ULS	C	C	120Ω	XLR	20-20K	8mV	134dB	.8 Ø x6.8	4.9 oz.	\$ 649.00
AUDIO TECHNICA										
ATM-25	D	HC	600Ω	XLR	30-15K	2mV		1.5 Ø x4.6	13.7 oz.	\$ 265.00
BEYERDYNAMIC										
MC740	C	O,C,8,HC	150Ω	XLR	40-20K	10mV	134dB	1.3 Ø x8.5	14.5 oz.	\$ 2293.00
ELECTRO-VOICE										
RE20	D	C	150Ω	XLR	45-18K	1mV		2 Ø x8.5	26 oz.	\$ 580.00
RE27N/D	D	C	150Ω	XLR	45-20K	3.1mV		2 Ø x8.5	27 oz.	\$ 659.00
RE38N/D	D	C	150Ω	XLR	25-20K	2.5mV		3.5x4.3x4.8	13.4 oz.	\$ 509.00
C.A.D.										
Equitek E-200	C	O,C,8	200Ω	XLR	10-18K	17.8mV	148dB	2.5 Ø x9.3	12 oz.	\$ 669.00
NEUMANN										
TLM-170	C	O,C,HC,8	100Ω	XLR	20-20K	8mV	150dB	2.4 Ø x6	22.5 oz.	\$ 2450.00
U87Ai	C	O,C,8	200Ω	XLR	20-20K	22/28/20mV	127dB	2.2 Ø x8	17.6 oz.	\$ 2450.00
U89i	C	O,C,HC,8	150Ω	XLR	20-20K	8mV	140dB	1.8 Ø x7.3	14.1 oz.	\$ 2450.00
SENNHEISER										
MD421U	D	C	200Ω	XLR	30-17K	2mV		1.2x2x8.5	13.6 oz.	\$ 469.00
MD422	D	C	200Ω	XLR	30-17K	2mV		1.8x1.7x8	13.8 oz.	\$ 579.00
MD441U	D	HC	200Ω	XLE	30-20K	1.8mV		1.3x1.5x10.1	16 oz.	\$ 695.00
SHURE										
SM-7	D	C	150Ω	XLR	40-16K	-79dB		3.8 Ø x7.5	27 oz.	\$ 566.50
SONY										
C-48	C	O,C,8	150Ω	XLR	30-16K	-0dB	128dB	9x2.1x1.6	20 oz.	\$ 1155.00

(1): C=Condenser; D=Dynamic

(2): O=Omnidirectional; C=Cardioid; HC=Hypercardioid; 8=Figure Eight

(3): Sensitivity in dB's or mV/Pa, where 0dB=1V/microbar & 1mV/Pa=10mV/microbar

Ø = diameter

MICROPHONE PROCESSING



AIR CORP 500



The Air Corp Pro Announcer 500 has front panel selection of input level from +4 to -50 dB, three section variable boost and cut equalization, phase rotators, compressor/expander combination, de-esser and simultaneous mic and line level outputs. A front panel headphone jack permits set up without being on the air and a dB 25 connector allows remote control of most functions including "popless" insert point for effects.

500PH	With 48VDC Phantom PS	\$764.00
500TV	Television version with Phantom PS	\$859.00

CRL IPP-100



The CRL IPP-100 is a programmable microphone processor for studio and broadcast. The IPP-100 combines powerful equalization and compression techniques with the ability to store 18

different user-designed processing set-ups. Special effects loop-through port and key-lock security provided.

IPP-100.		\$ 1,750.00
IPP-100R	Digital remote control box	\$ 395.00
IPPcable	25 foot serial digital remote cable	\$ 39.00

ORBAN 787A



The Orban 787A programmable voice processor offers compression gating, noise gating, parametric EQ and de-essing. An effects send and effects return loop allow you to use the 787 if your console does not have effects loops. The optional low-noise, low-distortion Jensen transformer mic preamp will convert the 787 to mic level use. With up to 99 recallable presets, nearly any voice can be processed for your radio or TV station.

787A		\$ 1,450.00
787A with MIDI or RS232		\$ 1,545.00
Security Covers, 1 rack unit		\$ 55.00
Security Covers, 2-4 rack units		\$ 60.00

SYMETRIX 601



The Symetrix 601 Digital Voice Processor is a signal processor that accepts mono mic or line level signals or AES/EBU-S/PDIF stereo signals and converts analog signals to 18 bit digital and then performs 24 bit digital domain signal processing. Processing includes fully parametric EQ, shelving EQ, notch filtering, dynamic filtering (noise reduction) de-essing, delay (first reflection), stereo synthesis, gating, expansion, compression, and AGC. Its combination of factory presets and non-volatile user program space guarantee predictable and repeatable effects.

601

\$1,995.00

ATI EMPH'A SIZER



The ATI EM1000 Emph'a sizer has a program controlled input gate, a compressor/ limiter and a four band preset parametric equalizer all in one box. Use it as a DJ mic processor, on remotes, or for telephone

processing. The Emph'a sizer has a three year manufacturer's warranty.

EM1000-1 Xfmr output	\$ 1,450.00
EM1000-2 Balanced differential outputs	\$ 1,425.00
P/N 20104-501 Single (centered) rack mount	\$ 30.00
P/N 20105-501 Dual side by side rack mount	\$ 45.00

HNAT HINDES MIC-MAZE



The Hnat Hinde Mic-Maze is a transparent microphone processor that will literally process intact a 10 KHz square wave burst! The Mic-Maze is also a multifunction device that is ideal for FM processing, AM processing, SCA, STL, TV, satellite up-link, and production. The pre-emphasis, de-emphasis, clippers, and asymmetry control are all dip switch selectable.

Mic-Maze	\$695.00
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SYMETRIX 528



The Symetrix 528 is a voice processor with an on-board preamp, compressor/limiter, downward expander, parametric equalizer/notch filter, de-esser, 48V phantom power and individual by-pass switches for each section. Includes clip LED's, output level and gain reduction metering.

528	\$ 679.00
SC-1 Security Cover	\$ 30.00

VALLEY MODEL 400



The Valley Model 400 Microphone Processor was designed specifically to enhance the on-air personality's performance. The Valley 400 has a

transformerless mic preamplifier, three band voice EQ, post-EQ patch point, compressor with interactive expander, and de-esser with "normal" and "heavy" settings. Includes LED gain reduction meter, switch selectable input/output VU metering and an output gain control. The output level is switch selectable from low impedance, high level to mic impedance and level.

400

\$679.00



MICROPHONE ACCESSORIES

AC-CETERA

GOOSENECKS

MIC ARMS

POP FILTERS

AC-CETERA MIC-EZE



Mic-Eze

Base Section lock clamp with male threaded (std) arm.

M-1 \$13.95

M-3 Horizontal clamp \$13.95

Microphone holders, spring style with female threaded arm. Quick release design and mic locking system.

M-4 \$13.95

M-2 Horizontal clamp \$13.95

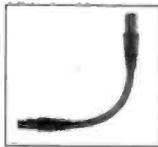
Combination Systems, base and holder clamps attached by various center sections

Flex-Eze-3 Flexible 3" center \$29.95

Flex-Eze-5 Flexible 5" center \$29.95

Max-Eze Aluminum rod center \$25.95

Min-Eze Hinged center \$23.95



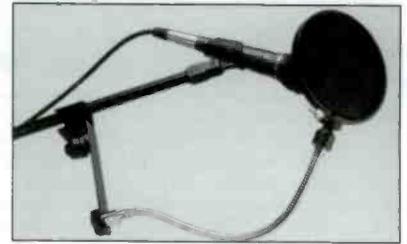
Ac-cetera

R-10 10" black Rubberneck w/std. mic threads \$12.95

R-16 16" black Rubberneck w/std. mic threads \$16.95

R-20 20" black Rubberneck w/std. mic threads \$18.95

POP FILTERS



AVA POPBK Studio POP Filter \$24.00

AVA PAKKIT Pop filter kit w/ clamp & gooseneck \$44.95

STOPPIT-6 6" diameter pop filter \$19.95

STOPPIT-8 8" diameter pop filter \$22.95

POMT Mic stand adapter, gooseneck, & STOPPIT-6 \$39.95

GOOSENECKS



Shure

G12 12" chrome flexible gooseneck \$ 13.50

G12CN 12" chrome flexible gooseneck w/3-pin F XLR connector \$ 24.50

G18 18" chrome flexible gooseneck \$ 14.75

G18CN 18" chrome flexible gooseneck w/3-pin F XLR connector \$ 26.25

A12 Std. 5/8"-27 external thread surface mounting flange \$ 6.25

A13HD Heavy duty 5/8"-27 external thread surface mounting flange \$ 7.50

AKG

LGN6 6" chrome gooseneck w/5/8" male & female threads \$ 6.95

LGN6B 6" black gooseneck w/5/8" male & female threads \$ 6.95

LGN13 13" chrome gooseneck w/5/8" male & female threads \$ 9.95

LGN13B 13" black gooseneck w/5/8" male & female threads \$ 9.95

LGN19 19" chrome gooseneck w/5/8" male & female threads \$ 12.95

LGN19B 19" black gooseneck w/5/8" male & female threads \$ 12.95

LCE1 Cable feed-thru chrome adaptor for the bottom of the gooseneck \$ 5.95

LMF1 5/8" male flange to surface mount the gooseneck (Note B for black) \$ 4.95

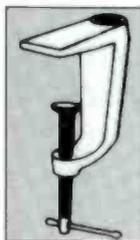
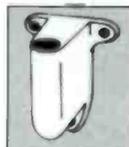
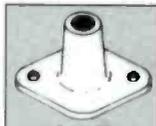


LM-1



KM-1

MIC ARMS



Luxo

LM-1 41" extension for 1 oz. to 1 lbs. (external springs) \$ 65.00

KM-1 41" extension for 3 to 4.5 lbs. (internal springs) \$ 76.50

50001 Clamp for horizontal surface mount \$ 10.95

50003 Wall or vertical surface mount \$ 10.95

50004 Bench or counter-top permanent mount Available in oyster/off white (OW) or black (BK) \$ 10.95

MICROPHONE ACCESSORIES



MIC ARMS



11426



14005



14100



M2MDUR



EB-1



11427

O.C. White

M2MDU	Gray heavy duty mic arm only	\$ 93.00
M2MDUB	Black heavy duty mic arm only	\$ 102.00
M2MDUR	Gray heavy duty mic arm w/riser	\$ 128.00
M2MDURB	Black heavy duty mic arm w/riser	\$ 137.00
TMA	Gray triple mic arm including riser	\$ 419.00
EB-1	Gray extension arm	\$ 46.50
EB-1B	Black extension arm	\$ 56.00
11426	Gray wall mount	\$ 23.25
11426B	Black wall mount	\$ 32.50
11427	Gray bench mount	\$ 23.25
11427B	Black bench mount	\$ 32.50
14005	Gray clamp mount	\$ 25.00
14005B	Black clamp mount	\$ 34.50
14100	Gray riser only	\$ 46.50
14100B	Black riser only	\$ 56.00

MIC ARMS

MIC STANDS

SHOCK MOUNTS

MIC STANDS

Desk Stands

AKG KM231/1	Collapsible tripod, chrome w/matte black fittings, 5/8"-27 thread	\$ 12.00
Atlas DS-2	Anti-vibration 4"x6" cast iron ebony base, 4" ht., wt. 2 lbs.	\$ 34.03
Atlas DS-5	5" diameter cast iron base, 4" ht., wt. 2 lbs.	\$ 16.98
Atlas DS-7	6" diameter cast iron ebony base, 8" to 13" ht., wt. 3 lbs.	\$ 24.85
Atlas DS-7E	6" diameter cast iron ebony base & tube, 8" to 13" ht., wt. 3 lbs.	\$ 30.43
Beyer ST300	Collapsible, made of unbreakable plastic	\$ 21.00
Shure S39A	Effective vibration isolation desk stand	\$ 72.50

Floor Stands

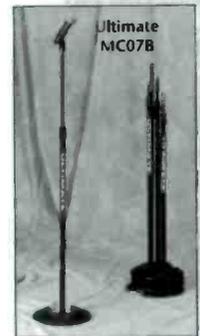
Atlas MS12C	Low-profile, ebony base, 41 lbs.	\$ 44.05
Atlas MS12CE	Low-profile, ebony base and tube, 41 lbs.	\$ 44.05
Beyer GST400	Adj. 35" - 65", fixed boom 33", black finish	\$ 99.00
Beyer GST500	Heavy duty adj. stand 35" - 65", adj. boom 18" - 30", black	\$ 129.00
Beyer GST590	Low profile adj. stand 18" - 49", adj. boom 18" - 30", black	\$ 129.00
Beyer ST400	Adj. 35" - 65", black finish	\$ 69.00
ULT MC07B	1/4 turn clutch, weighted dove tail base allows carrying 4 stands in the foot print of one, 34 3/4" - 64", wt. 9 lbs.	\$ 30.00



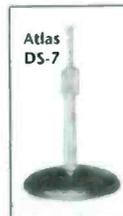
AKG KM231/1



Beyer ST300



Ultimate MC07B



Atlas DS-7



Atlas MS12C



Atlas DS-5



Beyer GST500



Beyer GST590

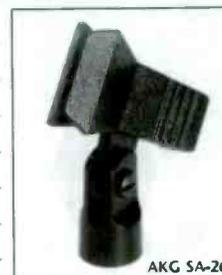


Atlas DS-2

SHOCK MOUNTS

AKG Tensimount Shock Mounts

AKG TM-1	Spider shock mt. for mics up to 1 3/8" dia., black finish	\$ 17.00
AKG TM-2	Spider shock mt. for mics up to 2" dia., black finish	\$ 19.00
AKG TM-3	Spider shock mt. for mics up to 2 3/4" dia., black finish	\$ 19.00
AKG SA-26	Universal clothespin-type clamp which will hold the Tensimount barrel	\$ 12.00
Electro Voice 311	3/4" dia. mic clip which will hold the Tensimount barrel	\$ 15.00
Electro Voice 309A	Shock mount for Electro Voice RE20 mic	\$ 100.50



AKG SA-26



EV-309A



CABLE & AUDIO CONNECTORS

RIP-TIE



Keep mic cables, extension cords and ski ropes neat, tidy, organized and unkninked. RIP TIE Velcro bands are sewn for flexibility and strength. One end of the wrap permanently attaches to the cable, the other end has a convenient pull tab. Company names and logos can be custom printed on the pull tabs for increased name exposure and equipment identification. Available in six sizes and ten colors.

Cat. #	Sizes	1 Pack	10 Pack	100 Pack
L6	5/8" x 6"	\$2.75	\$19.95	\$175.00
H3	1" x 3"	\$2.85	\$21.95	\$190.00
H6	1" x 6"	\$2.95	\$23.95	\$220.00
H9	1" x 9"	\$3.25	\$26.95	\$245.00
H14	1" x 14"	\$3.95	\$31.95	\$285.00
H21	1" x 21"	\$4.95	\$36.95	\$330.00

Colors: black, blue, red, yellow, grey, green, violet, orange, brown, white or in the 10 and 100 pack rainbow (1 or 10 of each color). 1 pack contains: 1 Rip-Tie and 2 black locking nylon ties; 10 pack: 10 Rip-Ties and 12 ties; 100 pack: 100 Rip-Ties and 110 ties.

RIP-TIE

AUDIO TECHNICA

BELDEN

CANARE

AUDIO TECHNICA MIC CABLES

AT8314-10	10', XLR-F-XLR-M Balanced Cable	\$11.50
AT8314-20	20', XLR-F-XLR-M Balanced Cable	\$14.00
AT8314-25	25', XLR-F-XLR-M Balanced Cable	\$15.58
AT8314-30	30', XLR-F-XLR-M Balanced Cable	\$16.91
AT8314-50	50', XLR-F-XLR-M Balanced Cable	\$24.00
AT8314-100	100', XLR-F-XLR-M Balanced Cable	\$35.33

CANARE



Canare L4E6S Star Quad Cable with braided shield is super flexible and is designed for use with mics but is also excellent for all line-level signals. The four

conductor Star Quad arrangement cancels electromagnetically induced noise and provides redundant connections. Available in ten colors.

Model	Conductor	Shield	O.D.	500' Reel	Per Foot
L-4E6S	4 = 2 x 24 AWG	Braided	.237"	\$222.50	\$0.45



Canare offers pre-made mic cable mated with Neutrik XLR-3 connectors with black shells and gold pins.

EC005FB	5'	\$23.06
EC015FB	15'	\$28.24
EC025FB	25'	\$32.94
EC050FB	50'	\$44.71
EC100FB	100'	\$65.36

Canare makes a variety of video patchbays, coaxial cable, snake system, cable reels and connectors. Please call Broadcasters for a Canare catalog.

BELDEN



The Belden product line includes multi-conductor, multi-paired, coaxial, flat, fiber optic, plenum, high temperature, and special application cables.

Description	No.	No. of Pr.	Nominal O.D.	Price 500'	Price 1000'
Broadcast Cable, 22 AWG					
Stranded Con. (7x30)	8451	1	.135"	\$ 90.00	\$ 180.00
Shielded Twisted Pairs	8761	1	.175"	\$ 140.00	\$ 280.00
Computer Cable, 22 AWG					
Stranded Con. (7x30)	8723	2	.165"	\$ 150.00	\$ 300.00
Polypropylene Insulated	8776	15	.565"	\$ 2,300.00	\$ 4,500.00

CANARE



Canare Impedance Transformer - Canare's BCJ-XJ-A10TRA impedance transformer converts AES/EBU digital audio which is typically 4 Vpp, 110Ω balanced to 1Vpp 75Ω BNC unbalanced with excellent return loss characteristics. It allows easy integration of two channel AES/EBU signals into standard analog VDA's, routers and switchers for 75Ω BNC cable runs of up to 750 meters.

BCJ-XJ-A10TRA

XLR to BNC

\$62.50

Canare Impedance Transformers are designed to convert 2-channel digital audio signals between balanced 110Ω XLR and unbalanced 75Ω BNC. They allow you to switch from a limited length microphone cable to a much longer, impedance matched 75Ω coax cable.

BCJ-XJ-TRA

XLR 3-pin female to BNC jack

\$52.50

BCJ-XP-TRA

XLR 3-pin male to BNC jack

\$50.00



Canare DA206 - Canare DA206 AES/EBU digital audio cable has a special PE filler rod to maintain a constant 110 Ohm impedance for cable runs of up to 300 meters. It is flexible twisted pair cable with a braided copper shield for use with 3 pin XLR connectors.

DA206

AES/EBU digital audio cable (blue)

100m \$350.00

Canare Coax Cable - Canare Video Cable's inner conductors are stranded for extra flexibility while a high density, basket weave braided shield, blocks stray RF and electrostatic noise. Canare 75Ω video cables mated with their 75Ω BNC connectors, offer excellent return loss characteristics and very low VSWR. Perfect for all SERIAL DIGITAL and High Definition Interconnect application.



The L-3C2VS is a 75Ω miniature coaxial video cable is light weight and flexible. It is the same cable type cable being used inside the V-3C series RGB component cables and BNC connectors are interchangeable.

L-3C2VS

100m \$116.00

200m \$232.00

Canare Coaxial Cable Stripper - Stripping coaxial cable is now simple, quick and easy with the new Canare stripper. You simply insert the cable, rotate and remove, completing the job in just 15 seconds. Specially designed hardened steel blades revolve around cable and offer more than 1,000 operations.

Coaxial Cable Strippers

\$ 54.95

TC-1

Crimp ratchet

\$ 93.33

R4

Storage/Road case for tool, dies, connectors & stripper

\$ 45.00

BNC Connectors

\$ 3.25

Crimp Die Sets

From \$60.00 to \$ 85.00

CABLE & AUDIO CONNECTORS



GEPCO INTERNATIONAL, INC. AUDIO & VIDEO CABLES

Audio Cables

Multi-pair - GA618** (22 gage), GA724** (24 gage), GA803** (26 gage) **Pair Count
 Single Pair - 61801, 61801EZ, 61801TP, D61801EZ (Dual)
 Digital Audio - 5524, 552404, 5524SD (solid), 5526
 Microphone - MM1024, M1020, MP1022, MP1201, M1042, M1043
 Speaker - GSC1020FC, GSC1220FC, 1200, 1400, 1600, 1800



Video Cables

Coax - VP6000, VPM2000, VFM809, VP618PE-01, VP618PVC
 Triax - LVT61811, VT61811, VT61811PE, VT61811PE/AP, LVT61859, VT61859
 RGB - RGB809, RGB869, RBBS809, RGB869, RGBSC809
 Composite Cables - VRC618, VA6182/2, VA6182/3, VA6182/4, VA6182/5, VA9164/15
 Digital Video - 2125B



GEPCO

MONSTER CABLE

NEUTRIK

Part Number	Conductor	Shield	O.D.	Price/1000 Ft.
GA61812	12 Pair-22 AWG strd. TC	Indiv. w/drain & overall drain	.620 inch	\$ 2,034.00
61801	1 pair-22 AWG strd. TC	Overall w/drain	.145 inch	\$ 113.00
61801EZ	1 pair-22 AWG strd. TC	Overall w/drain (Foil bonded to jacket)	.145 inch	\$ 110.00
VPM2000	20 AWG BC-foam dielectric	Overall foil & braid	.242 inch	\$ 274.00
VP6000	20 AWG BC-solid dielectric	Overall foil & braid	.304 inch	\$ 525.00
LVT61859	20 AWG BC-foam dielectric	Inner & outer braid	.360 inch	\$ 815.00
LVT61811	14 AWG strd. BC-foam diel.	inner & outer braid	.515 inch	\$ 1,560.00

Gepeco is a leader in manufacturing quality audio and video cable. Above is just a sampling of what is available. Call Broadcasters General Store for a Gepeco catalog.

MONSTER CABLE



Prolink® Series 3 high resolution bandwidth balanced Mic Cable with MicroFiber®.

PM3-10	10 ft. with XLR	\$ 35.00
PM3-20	20 ft. with XLR	\$ 50.00
PM3-25	25 ft. with XLR	\$ 60.00
PM3250	250 ft. bulk spool	\$ 1.60/ft.

MonsterCable® MC, high performance time correct high definition speaker cable, and the XPHP, compact version of the MC speaker cable.

MC10/10	10 ft. pair	\$ 40.00
MC15/15	15 ft. pair	\$ 45.00
MC20/20	20 ft. pair	\$ 60.00
MC30/30	30 ft. pair	\$ 90.00
MC50/50	50 ft. pair	\$ 150.00
MC	500 ft. bulk spool	\$ 1.50/ft.
XPHP	250 ft. bulk spool	\$ 1.00/ft.
XPHP	500 ft. bulk spool	\$ 1.00/ft.

NEUTRIK CONNECTORS



Below is a sampling of the connectors available from Neutrik. The XLR connectors are available in 3 through 7 pins, straight, right angle, and panel configuration. Please call for Neutrik information packets.

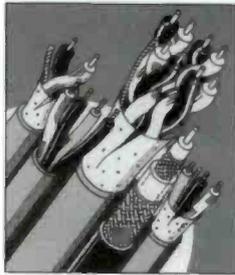
Pt. No.	Description	Contact	Shell	Price
NC3MX	3-Pin Male XLR	Silver	Nickel	\$2.42
NC3MX-BAG	3-Pin Male XLR	Silver	Blk. Chrome	\$2.90
NC3MX-B	3-Pin Male XLR	Gold	Blk. Chrome	\$3.19
NC3FX	3-Pin Female XLR	Silver	Nickel	\$2.60
NC3FX-BAG	3-Pin Female XLR	Silver	Blk. Chrome	\$3.28
NC3FX-B	3-Pin Female XLR	Gold	Blk. Chrome	\$3.70
NC3MP	3-Pin Male Panel XLR	Silver	Nickel	\$2.59
NC3MP-BAG	3-Pin Male Panel XLR	Silver	Blk. Chrome	\$3.08
NC3MP-B	3-Pin Male Panel XLR	Gold	Blk. Chrome	\$3.53
NC3FP-1	3-Pin Female Panel XLR	Silver	Nickel	\$2.62
NC3FP-1-BAG	3-Pin Female Panel XLR	Silver	Blk. Chrome	\$3.10
NC3FP-1-B	3-Pin Female Panel XLR	Gold	Blk. Chrome	\$3.71
NP2C	2-Pin 1/4" Phone Plug	Ni	Nickel	\$2.46
NP2C-BAG	2-Pin 1/4" Phone Plug	Ni	Black	\$2.46
NP3C	3-Pin 1/4" Phone Plug	Ni	Nickel	\$3.54
NP3C-BAG	3-Pin 1/4" Phone Plug	Ni	Black	\$3.54

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



CABLE & AUDIO CONNECTORS

WEST PENN



West Penn Wire Corp. is a complete cable supplier that manufactures everything from fiber optic cable to superflexible mic and snake cables to direct burial and plenum cable. We are showing a few of the more common cables. Please call Broadcaster's General Store for a West Penn Catalog. Standard spools are 1000'; some cables are available in a 500 foot easybox.

Model	Conductor	Shield	O.D.	500' Easybox	1000' Spool
452	1 pr. x 22 AWG strd.	100% w/dr.	.135"	\$ 53.33	\$ 106.66
291	1 pr. x 22 AWG strd.	100% w/dr.	.146"	\$ 55.00	\$ 110.00
510	2 pr. x 22 AWG strd.	Indiv. & overall w/dr.	.190"	\$ 104.16	\$ 208.33
511	2 pr. x 22 AWG strd.	Indiv. w/dr. & overall w/dr.	.205"	\$ 120.83	\$ 241.66
435	15 pr. x 22 AWG strd.	Indiv. w/dr. & overall w/dr.	.658"	N/A	\$ 1,591.66

WEST PENN



VIDEO PRODUCTION

CIPHER DIGITAL

CIPHER DIGITAL

DORROUGH

Time Code Products

CDI-1000	VITC Code Reader/Translator w/Character Inserter	\$ 2,100.00
CDI-1200	SMTPE/EBU Time Code Reader w/LED display & Char. Inserter	\$ 1,650.00
CDI-1400	SMPTE/EBU Time Code Generator w/JAM SYNC	\$ 1,750.00
CDI-750	SMPTE/EBU Time Code Reader/Generator/Event Controller/Char. Inserter	\$ 3,995.00

Synchronizer and Emulator Products

CDI-4800	Shadow II Master/Slave Synchronizer	\$ 3,395.00
CDI-4815	Phantom II VTR Emulator	\$ 2,195.00

Edit Controllers

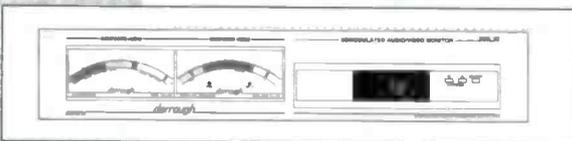
CDI-4825	Shadowpad-MINI	\$ 695.00
CDI-4835	Shadowpad-MAXI	\$ 995.00
CDI-5000S	Softouch II Edit Controller (for Shadow synchronizers)	\$ 4,595.00
CDI-5000P	Softouch II Edit Controller (for Phantom II Emulators)	\$ 4,995.00

Audio Editing Systems Packages (Includes RS-232 Cables & most transport interface cables)

CDI-5002P	1-CDI-5000P and 2-CDI-4815	\$ 8,895.00
CDI-5003P	1-CDI-5000P and 3-CDI-4815	\$ 10,795.00
CDI-5004P	1-CDI-5000P and 4-CDI-4815	\$ 12,595.00
CDI-5002S	1-CDI-5000S, 1-CDI-4800	\$ 7,595.00
CDI-5003S	1-CDI-5000S, 2-CDI-4800	\$ 10,495.00
CDI-5004S	1-CDI-5000S, 3-CDI-4800	\$ 13,295.00



DORROUGH 1800 CATV



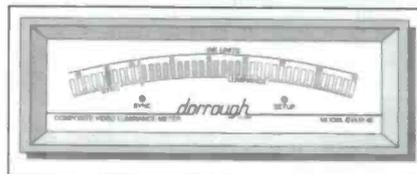
The model 1800 is designed for quick setup of audio and video levels on multiple cable-television channels. Equal perceived loudness is adjusted with the

Dorrough Loudness Meter, while accurate modulation/sync levels are set using the Video Luminance Meter. Features: Audio meter displays simultaneous peak and loudness; Video meter measures luminance, peak and average, from 0 to 120 IRE units; Sync range indication from -50 to -32 IRE units; Video meter resolution is 4 IRE units; CATV demodulator; NTSC/PAL; RF input (F-fitting); Baseband video and audio outputs; 110/220 VAC, 50-60 Hz.

1800

\$1,995.00

DORROUGH CVLM-40



The CVLM-40 Video Level Meter simultaneously displays three video levels: sync, average luminance, and peak lum-

inance. The LED readout allows accurate determination of video levels under adverse viewing conditions and can be seen at a distance greater than twenty feet. Peak-to-average ratio allows a more precise determination of quality of lighting.

CVLM-40

\$750.00

40-DORS

\$45.00



ADC VIDEO PRODUCTS

ADC MkII Video Pro Patch

PPV-24MkII	Pro Patch Video 24 circuits, delay compensated, 3 1/2" high x 18" deep	\$2,197.00
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ADC

C. A. P. S. Component Analog Patching System

Panels

CPPV-8	RGB Group delay compensated	\$ 2,310.00
CV-8-N	8RGB Group with SJ2000N jacks	\$ 1,012.00
CV-8-NJ	8RGB Group without jacks	\$ 225.00
CV-8-N75	8RGB Group with SJ2000N-75 jacks	\$ 1,095.00
CV-6-NS	6RGB + Sync Group with SJ2000N jacks	\$ 1,012.00
CV-6-N75	6RGB + Sync Group with SJ2000N-75 jacks	\$ 1,095.00

Modules

CV-M-N	IRGB Group with SJ2000N jacks	\$ 121.00
CV-M-N75	IRGB Group with SJ2000N-75 jacks	\$ 132.00

Chassis

CV-CM	For CV-M-N and CV-M-N75 module	\$ 110.00
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Accessories

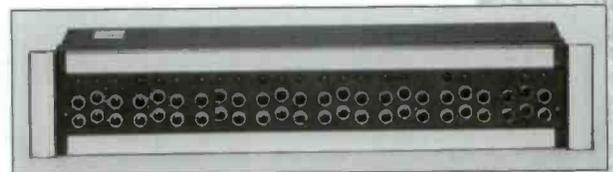
CPPV-B	Blank module	\$ 6.00
CVPC-2	RGB patch cord, 2 feet	\$ 54.00
CVPC-3	RGB patch cord, 3 feet	\$ 54.00
CVPC-4	RGB patch cord, 4 feet	\$ 54.00

Video Jacks

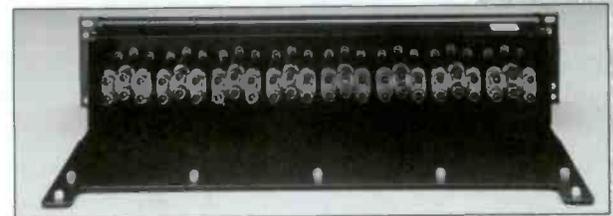
SJ2000G	Dual, self-normaling, non-terminating, gold finish	\$ 37.22
SJ2000N	Dual, self-normaling, non-terminating, nickel finish	\$ 33.40
SJ2000G-75	Dual, self-normaling, non-patched port terminated to 75 ohm resistor, gold finish	\$ 42.49
SJ2000N-75	Dual, self-normaling, non-patched port terminated to 75 ohm resistor, nickel finish	\$ 37.71
CJ1011G	Single jack with BNC connector on rear, short body, gold finish	\$ 12.89
CJ1011N	Single jack with BNC connector on rear, short body, nickel finish	\$ 8.50
CJ2011G	Single jack with BNC connector on rear, long body, gold finish	\$ 13.81
CJ2011N	Single jack with BNC connector on rear, long body, nickel finish	\$ 8.75



CPPV-8



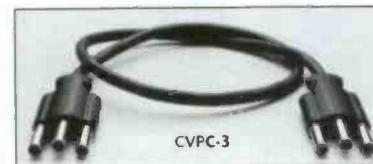
CV-8-N (Front)



CV-8-N (Rear)



CV-CM



CVPC-3



SJ2000 Video jack

NOTE: All Video Plugs and Jacks have Gold Center Conductors. N suffix denotes Nickel, G denotes Gold on Barrel of Video Plugs and Jacks.



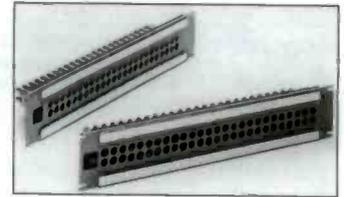
VIDEO PRODUCTION

ADC VIDEO PRODUCTS

Video Panels

Blank Panels

PPI1224RS	1.75" panel, 2 rows, 48 positions	\$ 98.00
PPI2224RS	3.5" panel, 2 rows, 48 positions	\$ 98.00
PPI2226RS	3.5" panel, 2 rows, 52 positions	\$ 109.00
With SJ2000N		
PPI1224RS-N	PPI-1224RS loaded with 24 SJ2000N jacks	\$ 922.00
PPI2224RS-N	PPI-2224RS loaded with 24 SJ2000N jacks	\$ 922.00
PPI2226RS-N	PPI-2226RS loaded with 26 SJ2000N jacks	\$ 989.00
With SJ2000N-75		
PPI1224RS-75N	PPI-1224RS loaded with 24 SJ2000N-75 jacks	\$ 1,020.00
PPI2224RS-75N	PPI-2224RS loaded with 24 SJ2000N-75 jacks	\$ 1,020.00
PPI2226RS-75N	PPI-2226RS loaded with 26 SJ2000N-75 jacks	\$ 1,107.00



ADC

BNC Installation Tool

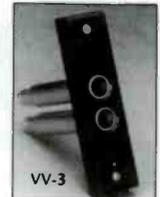
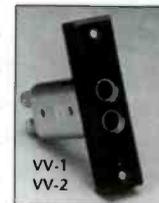
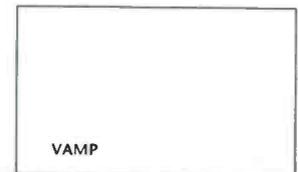
BT1000	12" BNC Installation Tool	\$37.00
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VAMP

Video Audio Modular Patch Bay

VC-1	VAMP chassis	\$ 110.00
VA-1	VAMP audio module	\$ 39.00
VV-1	VAMP video module with SJ2000N-75 jack	\$ 41.00
VV-2	VAMP video module with SJ2000N jack	\$ 39.00
VV-3	VAMP video module with CJ2011N jacks	\$ 39.00
VB-1	VAMP blank module	\$ 1.00
VABHN	VAMP bantam audio module, half normalled	\$ 69.00
VABNN	VAMP bantam audio module, normalled	\$ 69.00
VABNS	VAMP bantam audio module, normals strapped	\$ 69.00



Video Plugs

CP1051G	Single plug used with BNC connector, gold finish	\$ 10.65
CP1051N	Single plug used with BNC connector, nickel finish	\$ 7.65
CP1051MN	Single monitor plug; does not break normals on SJ2000, PPV-24 MkII, nickel finish	\$ 8.42
CP1051MG	Single monitor plug; does not break normals on SJ2000, PPV-24 MkII, gold finish	\$ 12.78
CP1043N	Dual monitor plug w/test points, nickel finish	\$ 16.74
CP1043G	Dual monitor plug w/test points, gold finish	\$ 23.24
CP1063G	Video looping plug, gold finish	\$ 17.14
CP1063N	Video looping plug, nickel finish	\$ 16.77
CP1040G	Single plug, 75 ohm resistor, gold finish	\$ 15.26
CP1040N	Single plug, 75 ohm resistor, nickel finish	\$ 13.08



NOTE: All Video Plugs and Jacks have Gold Center Conductors. N suffix denotes Nickel, G denotes Gold on Barrel of Video Plugs and Jacks.

Humbucker

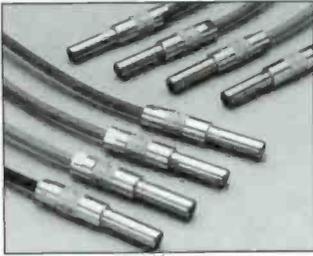
HUM-1	Humbucking Coil	\$138.00
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ADC VIDEO PRODUCTS

ADC



Pro Patch Video Patch Cords

Video Patch Cords

Length	Red	Green	Blue	Black	Price
2'	R2V	G2V	B2V	BK2V	\$16.20
3'	R3V	G3V	B3V	BK3V	\$16.20
4'	R4V	G4V	B4V	BK4V	\$17.28
6'	R6V	G6V	B6V	BK6V	\$18.36



Patch/BNC Video Patch Cords

Standard/BNC

Length	Red	Green	Blue	Black	Price
2'	R2V-B	G2V-B	B2V-B	BK2V-B	\$14.04
3'	R3V-B	G3V-B	B3V-B	BK3V-B	\$14.04
4'	R4V-B	G4V-B	B4V-B	BK4V-B	\$14.04
6'	R6V-B	G6V-B	B6V-B	BK6V-B	\$14.04



BNC/BNC Video Patch Cords

Length	Red	Green	Blue	Black	Price
2'	R2V-B/B	G2V-B/B	B2V-B/B	BK2V-B/B	\$12.96
3'	R3V-B/B	G3V-B/B	B3V-B/B	BK3V-B/B	\$12.96
4'	R4V-B/B	G4V-B/B	B4V-B/B	BK4V-B/B	\$12.96
6'	R6V-B/B	G6V-B/B	B6V-B/B	BK6V-B/B	\$12.96

Pro Patch Cord Holder

PPH	Holder	\$33.00
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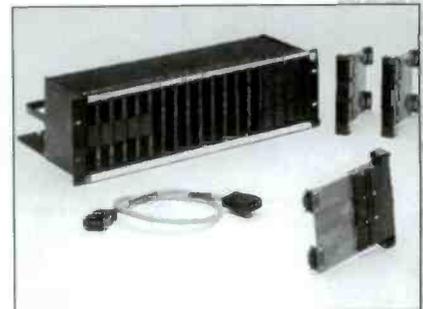
Video I.C.O.N.

VI-24	2 X 12 BNC bulkhead panel, 75 ohm	\$264.00
VI-12	2 X 6 BNC bulkhead panel, 75 ohm	\$176.00



S-9 RS 422 9 Pin Patching System

S-9	Patch module - complies with RS422; ANSI/SMPTE 207M 9 Pin digital control interface standard. Two normalized ports.	\$ 125.00
S-9T	Same as S-9 but features two independent ports	\$ 110.00
DV25-1	Patch module - RS232 - digital video 25 Pin FF	\$ 125.00
PMBF-1	Blank module	\$ 12.00
PMCG-1	Circuit guard - red	\$ 15.00
PMCG-2	Circuit guard - white	\$ 15.00
DPC	Chassis - holds 18 S-9 or RS-232 modules	\$ 125.00
PMP-702001	Replaces PMPC-8-2 2' balanced SMPTE patch cord	\$ 76.00
PMP-703001	Replaces PMPC-8-3 3' balanced SMPTE patch cord	\$ 76.00
PMP-704001	Replaces PMPC-8-4 4' balanced SMPTE patch cord	\$ 76.00
PMP-706001	Replaces PMPC-8-6 6' balanced SMPTE patch cord	\$ 87.00
PMPCPC-M9-6	6' conversion patch cord	\$ 80.00
PMPCPC-M9-10	10' conversion patch cord	\$ 90.00

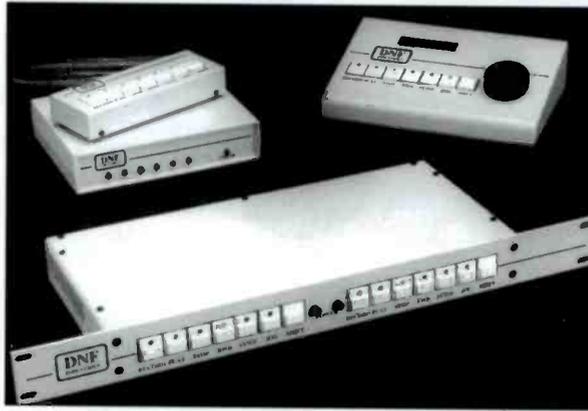




VIDEO PRODUCTION

DNF INDUSTRIES

DNF INDUSTRIES



The DNF Industries ST60 VTR Controller is a low cost Universal VTR Controller.

- One ST60 controls them all: D1, D2, D3, Betacam, MII, 1 inch, 3/4 inch, S-VHS, Hi-8.
Sony, Ampex, Panasonic, Hitachi, JVC & BTS
- Controls up to 15 transport functions.
- Customize it for your specific application.
Play, Stop, Crash, Assemble, & Insert Record, Rewind, Fast Forward, Pause, Jog Forward & Reverse, are standard. Custom functions include: Mark In & Out, Auto Edit, Search to Cue, Tape Timer Select & Reset, Standby On/Off, plus many more.
- Ideal for : TV stations, Cable TV, Video Production, Video Post-Production, Audio Post-Production, Duplication Houses, and Corporate Video Facilities.
- The ST60-PVW: The one and only Parallel Interface for the Sony PVW and BTS PBC series Betacam, allows the master control switcher to control serial VTRs.

ST60-S	Sony, Ampex Betacam, Panasonic, Hitachi, JVC & BTS	\$ 500.00
ST60-A	Ampex 1 inch & D2	\$ 500.00
ST60-AS	Sony, Ampex, Panasonic, Hitachi, JVC & BTS	\$ 650.00
ST60-PVW	Parallel interface for Sony PVW & BTS PBC series Betacam	\$ 500.00
DTKP-7	7 Switch desktop keypad, w/6 foot serial cable	\$ 150.00
DNF-MOD	Software customization charge	\$ 150.00
ST60-S/SRN	Single ST60-S in rack mountable housing	\$ 575.00
ST60-S/DRN	Dual ST60-S in rack mountable housing	\$ 1,000.00
ST60-AS/SRN	Single ST60-AS in rack mountable housing	\$ 725.00
ST60-AS/DRN	Dual ST60-AS in rack mountable housing	\$ 1,300.00
ST60-S/SRK	Single ST60-S in rack mountable housing w/ front panel keypad	\$ 700.00
ST60-S/DRK	Dual ST60-S in rack mountable housing w/ front panel keypad	\$ 1,250.00
ST60-AS/SRK	Single ST60-AS in rack mountable housing w/ front panel keypad	\$ 850.00
ST60-AS/DRK	Dual ST60-AS in rack mountable housing w/ front panel keypad	\$ 1,550.00
ST100-S	ST60-S with Keypad, Time Code Display & Jog Wheel in one unit	\$ 850.00
ST100-A	ST60-A with Keypad, Time Code Display & Jog Wheel in one unit	\$ 850.00
ST100-AS	ST60AS with Keypad, Time Code Display & Jog Wheel in one unit	\$ 1,000.00
ST60-CS	Computer RS232 interface for Sony VTR Controller	\$ 850.00
ST60-CA	Computer RS232 interface for Ampex VTR Controller	\$ 850.00
ST60-CAS	Computer RS232 interface for Ampex & Sony VTR Controller	\$ 1,000.00

The DNF Video Duplication System products can easily upgrade and expand the capabilities of your video duplication system.

- Add one button control of your Slave VTRs and Source VTR
- Control any source VTR, anywhere in your facility from your Duplication System
- Mix and match VTR formats and brands easily and quickly
- Upgrade to the new Serially controlled VTRs without obsoleting your existing control system.

ST60-D	Parallel to RS422 serial convertor	\$ 500.00
ST60-JRX	Universal converter, converts JVC BR-7000 type serial control into individual contact closures for controlling parallel VTRs and RS422 serial control.	\$ 575.00
ST60-J2W	Parallel to 2-wire serial converter, serially controls JVC BR-7000 and compatible duplication VTRs	\$ 500.00

DNF ST200 VTR Controller

Like the ST60 and ST100 VTR Controllers, the ST200 controls all RS422 VTRs- D1, D2, D3, Betacam, MII, 1-inch, 3/4 inch, S-VHS, & HI-8 From Sony, Ampex, BTS, Panasonic, Hitachi, & JVC.

The ST200 has an integral thirteen switch keypad, Real-time VTR Status Indicators, Timecode Display, and Job/Shuttle Wheel. The new, expanded keypad includes a numeric keypad for entering "Search To" time locations, Cue Point save, recall, & edit, and up to 12 additional user specified, custom functions.

The following record modes are available: Lockout, Crash (full), Assemble, Insert-Video, Audio1, Audio2, Audio3, & Audio4. The record mode can be selected by the operator, or where required, configured by management and operator access disabled.

ST200	\$1,200.00
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EVERTZ MICROSYSTEM LTD.



Evertz Microsystems Ltd. manufactures a wide range of products including ATR and VCR transport interfaces for video edit controllers, audio/video chase synchronizers, LTC/VITC time code generators, readers, character inserters and translators, plus digital clocks, production timers and data displays. Call Broadcasters General Store for further information and pricing on these products. See Evertz clocks on page 113.

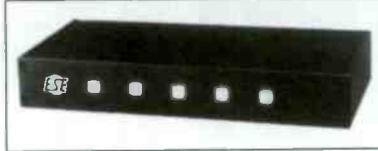
EVERTZ

ESE



The ESE 207 and 208 compact video distribution amplifiers are portable and easy to install. Controls are easily accessible for video gain, DC level and HF equalization. The amplifiers are clamped to provide a consistently stable output signal to the output terminals. A single pair of BNC connectors are wired for a loop-thru input with provisions for a terminating resistor if desired.

ESE



ESE ES 305 News Talent Count-down Display is mounted to a camera so talent can see the five bright orange lights that extinguish one at a time the way a director counts down.

It can display a 5 second count-down or start with 5 seconds of steady lights prior to count-down. The 305 can be operated from 120VAC 60Hz or 400Hz, or it can run on 12VDC. It comes in a black anodized case measuring 1.6"H x 10"W x 5" D and weighs less than 2 lbs.

ESE

EPTI

MATTHEY

207A	1X4 Video DA	\$175.00
PC207A	PC compatible version of the 207A	\$145.00
208	1X12 Video DA	\$300.00

305	News talent count down display	\$275.00
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ESE



ESE 201 - The ES-201 is a 1x4 video distribution amplifier. The unit features a loop-thru input and four independent sets of gain and equalization controls.

ES-201	\$295.00
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ESE 227 - The ES-227 is a 1x4 "S-VHS" or "high-8" video distribution amplifier. The unit accepts a source of Y-C component video and provides four isolated video outputs. Separate gain controls for luminance and chroma are provided as well as an EQ control for boosting high-frequency video detail in the luminance channel.

ES-227	\$295.00
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ESE 247 - The ES-247 is a "Quad" 1x6 video distribution amplifier. Each 1x6 section has its own video loop-thru, gain control and EQ control.

ES-247	\$495.00
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EPTI



The TV 6801 Super Rapid Charger uses a patented charging technology that substantially improves the efficiency with which energy is delivered to a battery. The charging system is constantly searching for the placement of a partially charged battery in any one of the 8 positions and the micro-controller automatically charges each battery sequentially to full capacity. Easy to read LED indicator lights show when a battery is being charged and which batteries have been fully charged and are ready to be used. It charges 1 BP type battery in 40 minutes and 1 NP type battery in 23 minutes. The TV 6801 has 6 ports for NP's and 2 ports for BP's.

TV 6801	\$900.00
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MATTHEY



Matthey • low pass video filters • very sharp cut (Brickwall) filters • 601 type filters • 422 filters • slow roll off filters • HDTV high frequency, low pass filters • triple filters • S.I.L. filters • D.I.L. filters • zero loss filters • hybrid video amplifiers • noise weighting filters • group delay equalizers • differentiating pulse networks • video attenuators. For a complete Matthey catalog, please give us a call.

Matthey Video Delay Lines are available in metal boxes with BNC connectors. They are designed to be used either as permanent rack mounted installations, or as temporary connections in test laboratories, outside broadcast units, or when timing a new installation. The metal boxes are strong, providing good protection to the delay line; and RFI shielding. Switches are all gold plated with low noise performance.

NV180	Video delay for smaller than 180° of phase, 2ns steps and ±1ns trim	\$310.00
NV360	Video delay for up to 360° of phase, 2ns steps and ±1ns trim	\$386.00



VIDEO PRODUCTION

PORTA BRACE

PORTA BRACE

TELEX



Grip



DC-1



TC-1

TC-2

TC-T

Mic Holster

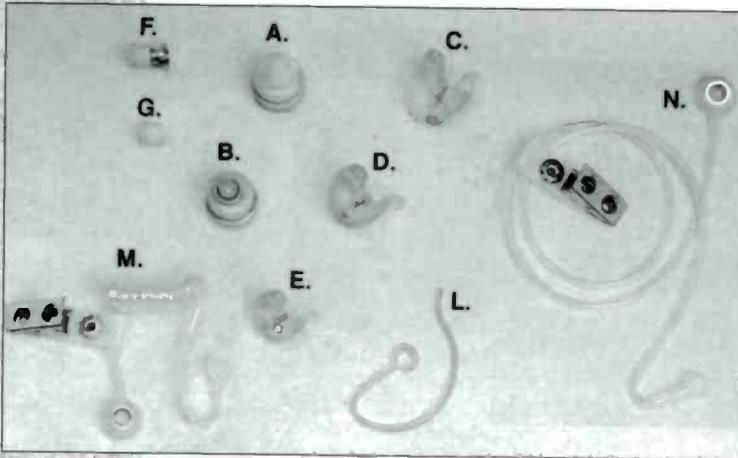
Video Belt

This is a small sampling of the Porta Brace line. They produce a wide variety of soft-sided cases for cameras, tripods, lights, monitors, tools, rain gear, and more. See page 132 in the Road Case and Mic Accessory sections for more Porta Brace or call us for the Porta Brace catalog.

Grip	Heavy duty cart with two swivel front wheels, options available	\$ 660.00
Production Cases	large capacity organizer cases with heavy duty shoulder strap.	
PC-1	One divider, five outside pockets, two mesh pockets	\$ 298.00
PC-2	Two dividers, five outside pockets, six mesh pockets	\$ 326.00
PC-3	Seven outside pockets, three dividers, two extra handles (for two person carrying), nine see-through mesh pockets	\$ 350.00
Production Cases	medium capacity organizer cases with heavy duty shoulder strap	
PC-101	One divider, one clip-on pouch, four see through mesh pockets three outside pockets	\$ 189.00
PC-202	Lights and tapes case, one divider, one clip-on pouch, one see-through mesh pocket, five outside pockets	\$ 185.00
BP-2	Waist belt production pack	\$ 118.00
DC-1	Director case with a detachable SLR or small video camera bag	\$ 158.00
TC-1	Tech case, 4"W x 11"H x 15"L	\$ 155.00
TC-2	Tech case, 5 1/2"W x 11"H x 17 1/2"L	\$ 168.00
TC-T	Tool kit case, 21 1/2"W x 9"H x 6 1/2"L	\$ 76.00
Mic Holster	Specify 8" or 10" lengths	\$ 42.00
Video Belt	Optional add-on to mic holster	\$ 15.00

TELEX EARSET® & ACCESSORIES

To provide optimum versatility, the Announcer's Earset is made up of interchangeable component parts which simply snap together. Depending on the component pieces selected, users can construct a version of the Announcer's Earset that best suits their particular need.



Complete Earset

EMV-2 Includes: RTV-04, CMT-2, AEF-3, 125Ω, 5' cord, 1/4" plug \$24.95

EMY-2 Includes: RTY-04, CMT-2, AEF-3, 2000Ω, 5' cord, 1/4" plug \$24.95

Telethin® Receivers

A.	RTR-04	15 Ω	\$11.00
	RTV-04	125Ω	\$11.00
	RTW-04	500Ω	\$11.00
	RTX-04	1000Ω	\$11.00
	RTY-04	2000Ω	\$11.00
B.	RTW-04V	500Ω	\$33.00
Earmolds			
C.	EML-1	Lg. rt. ear	\$15.00
	EML-2	Lg. left ear	\$15.00
D.	EMM-1	Med. rt. ear	\$15.00
	EMM-2	Med. rt. ear	\$15.00
E.	EMS-1	Sm. rt. ear	\$15.00
	EMS-2	Sm. rt. ear	\$15.00
Eartips/Earcones/Earloops/Eartubes			
F.	ET-1	Soft silicone tip	\$ 4.50
	BT-1	Bag of 25 ET-1	\$ 31.50
L.	AEF-3	Nylon earloop fits eartip & Telethin receivers	\$ 3.50
M.	ET-2	Coiled acoustic eartube with clothing clip	\$ 13.25
N.	ET-3	Straight acoustic eartube with clothing clip	\$ 13.25

Cords, high-flex Telethin® cords 5 foot long, neutral gray, single tamper-proof jacket.

O.	CMT-2	Std. earset cord 1/4" phone plug	\$14.00
P.	CMT-92	Straight cord w/mini rt. angle phone plug	\$14.00
	CCX-2	with right angle mini connector	\$16.00
Q.	CMT-98	Straight cord w/mini straight phone plug	\$14.00
R.	CCT-2	Coiled cord w/1/4" phone plug	\$16.00
S.	CMT-95	Straight cord w/mini straight phone plug	\$16.00
T.	VXT-3	500Ω, w/volume control & 1/4" phone plug	\$36.00
	VYT-3	2000Ω, w/volume control & 1/4" phone plug	\$36.00



*Telephone
interface
solutions
for every
broadcast
application.*

HEAR THE DIFFERENCE



Consoles

MARINER

On-air or production
with DCA faders

TR2

Modular rack-mount
console with 3 mixer
styles, up to 36 inputs

AUDIORACK

Mono rack-mount
console with 11 inputs
& IFB monitor system

STEREORACK

Stereo rack-mount
console with 11 inputs
& IFB monitor system

Monitors & Meters

MON-10

10-input preselector
with meter & monitor

4VUB

4 lighted meters with
adjustable bridging
inputs

BRIGHT-VU METERS

LED bar-graph audio
level display

SUPER-VU METERS

Expanded bar-graph
display with peak hold,
max hold, image &
density modes

Amps, Etc.

ADA-4x4 or ADJ-4x4
Four configurable
1x4 DAs

BPA-200

Phono preamp

MP-4

Quad mic preamp

PAI-4

Pro-audio interface

PWR-30

30-watt power amp

Mainframe Amp System
7 types of modules

PRE-10M or PRE-10S
10-in, 2-out switchers

Logitek

ELECTRONIC SYSTEMS, INC.



TELOS LINK



The Telos Link was designed especially for TV, ENG and EFP use to interface intercom systems with telco lines. It allows connections to be made without the usual gain and feedback problems, while maintaining full-duplex operation. The Link can be easily connected to your intercom system and is fully remoteable. Metering for intercom and telco levels is provided as is a selectable auto answer function that allows unattended operation. Intelligent automatic nulling and gain control results in clear, hassle free communications.

Telos Link	Please specify intercom system	\$ 1,680.00
801/802	Single or dual rack mount	\$ 45.00

TELOS

LAVALIER MICROPHONES



AUDIO TECHNICA

BEYERDYNAMIC

ELECTRO-VOICE

SENNHEISER

SHURE

SONY

TELEX

LAVALIER MICROPHONES

MAKE/ MODEL	(1) TRANSDUCER	(2) PATTERN	IMP.	CONN.	FREQUENCY RANGE	(3) SENSITIVITY	SPL	SIZE	PRICE
AUDIO TECHNICA									
AT803b	C	O	400Ω	XLR	30-20K	5mV	130dB	.39 Ø x.8	\$ 233.00
AT831b	C	C	400Ω	XLR	40-20K	5.6mV	130dB	.39 Ø x.9	\$ 287.00
BEYERDYNAMIC									
MCE-5.11	C	O	200Ω	XLR	20-20K	14mV	116dB	.3 Ø x.9	\$ 529.00
MCE-10.11	C	HC	200Ω	XLR	40-20K	16mV	116dB	.4 Ø x.9	\$ 659.00
ELECTRO-VOICE									
CO-100	C	O	150Ω	XLR	30-15K	-51dB	139dB	.42 Ø x.99	\$ 309.00
CO-90	C	O	150Ω	XLR	40-15K	-57dB	140dB	.41 Ø x.85	\$ 224.00
RE-98	C	O	150Ω	XLR	80-15K	-45dB	141dB	.41 Ø x.85	\$ 314.00
CS-200	C	C	150Ω	XLR	90-18K	-51dB	139dB	.42 Ø x1.32	\$ 352.00
SENNHEISER									
MKE2-3	C	O	130Ω	XLR	40-20K	5.1mV	114dB	.25 Ø x.5	\$ 285.00
MKE10-3	C	O	130Ω	XLR	50-20K	1.5mV	114dB	.7 Ø x.35	\$ 289.00
MKE40-3	C	C	130Ω	XLR	50-20K	1.2mV	114dB	.47 Ø x1.2	\$ 330.00
K3UPSU									\$ 255.00
SHURE									
839	C	O	600Ω	XLR	80-20K	-70dB	134dB	.44 Ø x.75	\$ 148.50
SM83-CN	C	O	150Ω	XLR	80-20K	-69dB	109dB	.44 Ø x.75	\$ 263.50
SM84	C	HC	150Ω	XLR	80-20K	-73dB	123dB	.47 Ø x1	\$ 309.00
SONY									
ECM-44B	C	O	250Ω	XLR	40-15K	-53dB	122dB	.34 Ø x.6	\$ 233.00
ECM-55B	C	O	100Ω	XLR	30-18K	-52dB	126dB	.42 Ø x.83	\$ 360.00
ECM-66B	C	C	100Ω	XLR	70-14K	-50dB	130dB	.42 Ø x.95	\$ 410.00
ECM-77B	C	O	150Ω	XLR	40-20K	-52dB	120dB	.22 Ø x.5	\$ 410.00
TELEX									
ELM-225	C	O	150Ω	TA4F	20-20K	-35dB	140dB	.5 Ø x.75	\$ 195.00
ELM-335	C	C	150Ω	TA4F	20-20K	-35dB	134dB	.34 Ø x.7	\$ 200.00

(1): C=Condenser; D=Dynamic

(2): O=Omnidirectional; C=Cardioid; HC=Hypercardioid

(3): Sensitivity in dB's or mV/Pa, where 0dB=1V/microbar & 1mV/Pa=10mV/microbar

Ø = diameter





STEREO MICROPHONES

AKG

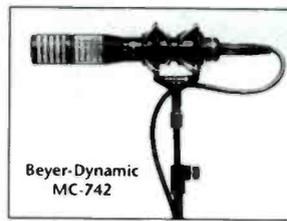
AUDIO TECHNICA

BEYERDYNAMIC

FOSTEX

SHURE

SONY



STEREO MICROPHONES

MAKE/MODEL	(1) TRANSDUCER	(2) PATTERN	IMP.	CONN.	FREQUENCY RANGE	(3) SENSITIVITY	SPL	SIZE	WEIGHT	PRICE
AKG										
C-426	C	MS	200Ω	12 pin	30-20K	11mV	132dB	1.3 Ø 9.25	16.6 oz.	\$3999.00
AUDIO TECHNICA										
AT-825	C	XY	200Ω	5 pin	30-20K	4.5mV	126dB	.83 Ø 8.43	8.5 oz.	\$ 399.00
BEYERDYNAMIC										
MC-833	C	MS, XY	180Ω	7 pin	30-20K	25mV	128dB	1.3 Ø .93	9.9 oz.	\$3949.00
MC-742	C	MS	150Ω	7 pin	40-20K	10mV	143dB	1.5 Ø 11.5	22 oz.	\$4929.00
FOSTEX										
M20RP	C	MS	600Ω	5 pin	40-18K	-51dB		.4 Ø 9.6	25.6 oz.	\$ 695.00
SHURE										
VP-88	C	MS	150Ω	5 pin	40-20K	-66dB	129dB	1 Ø 11.5	14.7 oz.	\$ 995.00
SONY										
ECM-M55	C	MS	150Ω	5 pin	70-20K	-40dB	130dB	1.9 Ø x8.4	7.6 oz.	\$1340.00

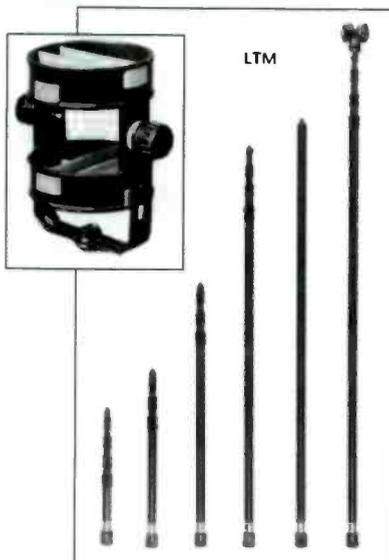
(1): C=Condenser (2): XY=XY stereo; MS=Mid-side stereo (3): Sensitivity in dB's or mV/Pa, where OdB=1V/microbar & 1mV/Pa=10mV/microbar
 Ø = diameter



FISHPOLES

LTM

BEYERDYNAMIC

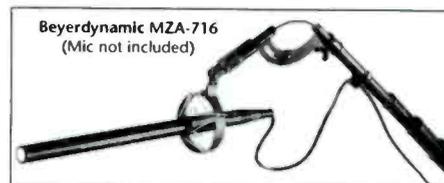


LTM

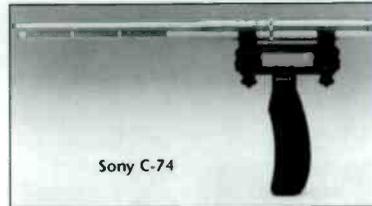
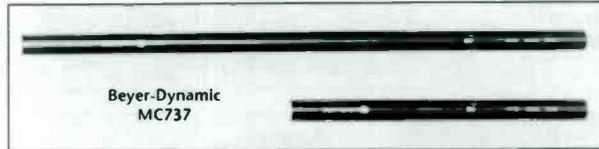
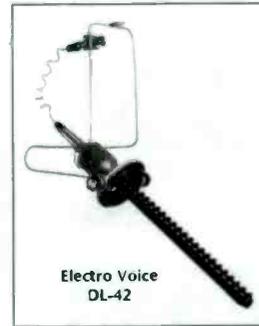
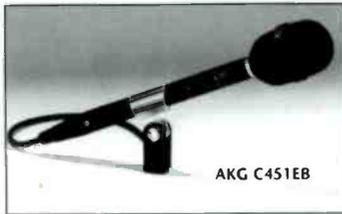
90A-613	20" to 63", 9.5 oz.	\$ 286.00
90A-614	31" to 9', 13.7 oz.	\$ 419.00
90A-615	4'1" to 13'8", 17.6 oz.	\$ 440.00
90A-616	5'2" to 16'7", 23 oz.	\$ 550.00
AA903-062	Windscreen	\$ 390.00
510199	Microphone suspension, 3.25 oz., fits all above fishpoles	\$ 84.00

Beyerdynamic

MZA716	Fiberglass 4 piece boom w/MZG swivel	\$ 419.00
MZA717	Aluminum 2 piece boom	\$ 149.00
MZA718	Aluminum 3 piece boom	\$ 229.00



SHOTGUN MICROPHONES



AKG

AUDIO TECHNICA

BEYERDYNAMIC

ELECTRO-VOICE

SENNHEISER

SHURE

SONY

SHOTGUN MICROPHONES

MAKE/ MODEL	(1) TRANSDUCER	(2) PATTERN	IMP.	CONN.	FREQUENCY RANGE	(3) SENSITIVITY	SPL	SIZE	WEIGHT	PRICE
AKG										
C451EB/CK9	C	L	200Ω	XLR	30-18K	11mV	120dB	9 Ø x24	19.2 oz.	\$ 1229.00
C568EB	C	L	600Ω	XLR	20-20K	11mV	128dB	8 Ø x10	6.2 oz.	\$ 449.00
AUDIO TECHNICA										
AT-815a	C	L	600Ω	XLR	40-20K	-44.5dB	115dB	8 Ø x18.3	9.6 oz.	\$ 297.00
AT-835a	C	L	600Ω	XLR	40-20K	-44.5dB	115dB	8 Ø x14.5	8 oz.	\$ 280.00
BEYERDYNAMIC										
MCE-86	C	L	190Ω	XLR	50-18K	4.2mV	138dB	1 Ø x10	3.2 oz.	\$ 599.00
MC737PV	C	L	150Ω	XLR	40-20K	25mV	123dB	83 Ø x22.2	15.5 oz.	\$ 1649.00
ELECTRO-VOICE										
DL-42	D	L	150Ω	XLR	50-12K	-50dB		3.7 Ø x16.7	28.2 oz.	\$ 929.00
SENNHEISER										
MKE-300	C	HC,L	200Ω	XLR	150-17K	16mV		2 Ø x9.1	2.1 oz.	\$ 225.00
SHURE										
SM-89	C	L	150Ω	XLR	60-20K	-53dB	119dB	8 Ø x20.6	6.9 oz.	\$ 927.00
SONY										
ECM-672	C	HC	250Ω	XLR	50-16K	-42dB	114dB	95 Ø x12	8 oz.	\$ 565.00
C-74	C	HC	250Ω	XLR	40-16K	-38dB	126dB	1 Ø x16.8	12.8 oz.	\$ 1055.00
C-76	C	HC	250Ω	XLR	40-16K	-38dB	126dB	1 Ø x26.7	14.4 oz.	\$ 1175.00

(1): C=Condenser; D=Dynamic

(2): L=Lobar; HC=Hypercardioid

(3): Sensitivity in dB's or mV/Pa, where OdB=1V/microbar & 1mV/Pa=10mV/microbar

Ø = diameter

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



SPECIAL PURPOSE MICROPHONES

AKG



AKG C562BL

AUDIO TECHNICA



Audio Technica AT853a

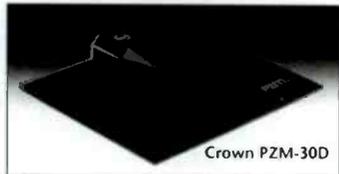


Audio Technica AT851a



Audio Technica AT841a

BEYERDYNAMIC



Crown PZM-30D



Beyer-Dynamic SHM-422



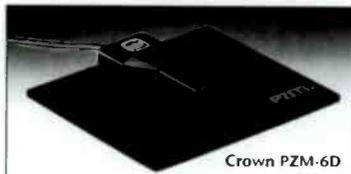
Audio Technica AT857Ma



Audio Technica AT871R

CROWN

ELECTRO-VOICE



Crown PZM-6D



Crown PCC-160

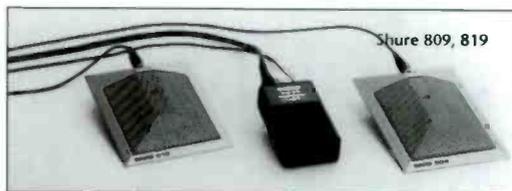


Shure SM91A

SHURE



Crown PCC-170



Shure 809, 819



Electro Voice RE-55

TELEX

SPECIAL PURPOSE MICROPHONES

MAKE/ MODEL	(1) TRANSDUCER	(2) PATTERN	IMP.	CONN.	FREQUENCY RANGE	(3) SENSITIVITY	SPL	SIZE	WEIGHT	PRICE
AKG										
C562BL	C	B-O	600Ω	XLR	20-20K	20mV	130dB	6.3 Ø x3	2.1 oz.	\$ 499.00
AUDIO TECHNICA										
AT853a	C	C	200Ω	XLR	30-20K	-42dB	130dB	.5 Ø x1.4	8 grams	\$ 239.00
AT857AMa	C	C	200Ω	XLR	30-20K	-42dB	130dB	.5 Ø x1.4	3 oz.	\$ 285.00
AT841a	C	B-O	200Ω	XLR	30-20K	6.3mV	130dB	2.6x.6	2.9 oz.	\$ 240.00
AT851a	C	B-C	200Ω	XLR	30-20K	5.6mV	130dB	2.5x3.6x.67	4.3 oz.	\$ 261.00
AT871R	C	B-C	200Ω	XLR	30-20K	22.4mV	130dB	4.7x5.7x.67	14.4 oz.	\$ 295.00
BEYERDYNAMIC										
SHM-422	D	HC	200Ω	Pigtail	100-12K	1mw		13.8	8.8 oz.	\$ 229.95
CROWN										
PZM-6D	C	B-O	240Ω	XLR	20-15K	-44.5dB	150dB	3x2.5	4.8 oz.	\$ 349.00
PZM-30D	C	B-O	240Ω	XLR	20-15K	-47dB	150dB	6x5	6.4 oz.	\$ 349.00
PCC-160	C	B-HC	150Ω	XLR	50-18K	-31dB	120dB	6.7x3.2	11.5 oz.	\$ 295.00
PCC-170	C	B-HC	150Ω	XLR	50-18K	-31dB	120dB	3.4x4.8	11.5 oz.	\$ 295.00
PCC-200	C	B-HC	150Ω	XLR	50-18K	-31dB	120dB	7.5x3.2	11.5 oz.	\$ 329.00
ELECTRO-VOICE										
RE-55	D	O	150Ω	XLR	40-20K	-57dB		.75 Ø x10.5	8.5 oz.	\$ 392.00
SHURE										
819	C	B-C	600Ω	XLR	60-20K	-1dB	137dB	3x3.75x5.1	9.3 oz.	\$ 227.25
SM90A	C	B-O	150Ω	XLR	20-20K	-66dB	141dB	5.1x3.8	9.9 oz.	\$ 310.00
SM91A	C	B-C	150Ω	XLR	20-20K	-69dB	144dB	5.1x3.8	9.9 oz.	\$ 310.00
TELEX										
SE-16	D	C	200Ω	Pigtail	50-15K	-56dB		20	24 oz.	\$ 162.00
SR-785L-N/O	D	O	200Ω	Pigtail	100-10K	-59dB		21	24 oz.	\$ 85.00

(1): C=Condenser; D=Dynamic

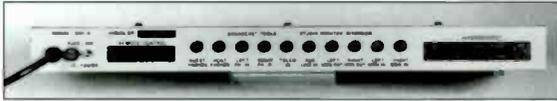
(2): O=Omnidirectional; C=Cardioid; HC=Hypercardioid; B=Boundary

(3): Sensitivity in dB's or mV/Pa, where 0dB=1V/microbar & 1mV/Pa=10mV/microbar

Ø = diameter



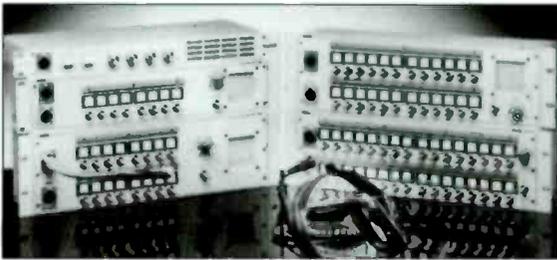
BROADCAST TOOLS STUDIO MONITOR INTERCOM



The Broadcast Tools SMI, Studio Monitor Intercom, provides an efficient, affordable communication system between up to five studios. Simply buy as many SMI's as you need. Talk with one studio at a time or on an "all call" basis. Each unit has front and rear host and guest headphone jacks with EQ controls. The SMI-5A automatically dims studio monitors during talkback. In addition, host headphones split for talkback in the left ear and air signal in the right ear (defeatable while on air), while the guest headphones monitors Air. Other features include full remote control with tally, interconnection via convenient 50 pin telco-type connectors, mono/phase check button and rear panel mic or line talkback input.

SMI 5A		\$699.00
SMI-25P	Rack mount, 5 station interconnect adapter	\$150.00

ROH SERIES 300



The ROH Series 300 Master Stations are available in 1, 8, 16, 24 and 32 Channel versions. These intercom stations can be configured to accommodate any combination of Intercom, Interphone, Party Line, IFB/PGM Interrupt, Page/Talkback, 2-Way Radio, Telephone and All Call functions. When configuring these communication features into a single operator station, additional auxiliary control panels and associated accessories are unnecessary. ROH Intercom Stations can be supplied in either self-contained or remote panel versions.

Call for Further Information and System Pricing

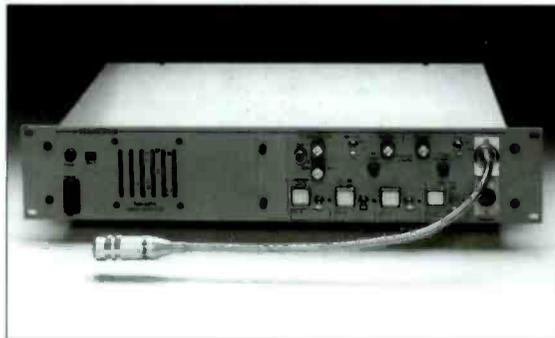
TELEX AUDIOCOM



The Telex Audiocom is a headset intercom system consisting of modular components that can be connected with conventional wiring to form a simple party line communication system or a more sophisticated network using "director controlled" multi-channel configurations.

Call for Further Information and System Pricing

CLEAR-COM



Party-Line Intercom

A full-duplex, distributed amplifier system, where all electronics are contained in each user station. This wide bandwidth system offers high level audio for up to 100 stations that are easily connected together, using up to one mile of standard mic cable. A central power supply provides audio termination and short-circuit proof regulation for the system. The system can be designed from a host of user stations, power supplies and accessories. It can be one channel, or 12 channels and all components are compatible to allow for future system expansion.

Matrix Intercom

The Matrix Plus is an all-digital 50x50 crosspoint system that provides programmable point-to-point communications between stations and/or any external systems, including Clear-Com party lines. Stations are easily interconnected on a single pair of wires.

Wireless intercom

A high band, FM modulated full-duplex system expressly designed to interconnect into Clear-Com hard-wired systems. This rugged high-performance product is virtually transparent in operation and audio quality when compared to a wired station.

Program Interrupt (IFB)

This unique television production tool is a flexible one-way cuing system that supports up to 96 talent stations from up to 50 locations.

If you encounter the challenge of interfacing IFB to your phones, Telos has an easy effective solution with the Telos Link. See page 65.

Call for Further Information and System Pricing

RTS



The TW Intercom System is a conference-line inter-communications system that features over 25 different components. It operates in a full duplex mode. A minimum of two user

stations and a power supply are required for communications, up to 75 user stations can be employed.

The Series 800 Intercoms include the Model 802 multi-functional intercommunications master station; the Model 810 matrix/conference-line intercommunications master station; or the Model 848A matrix intercom system.

The Series 4000 IFB System is a one-way communications system for the television broadcast industry.

The Series 17 Intercom System is a low-cost, easy-to-use conference line intercom for applications that require a single channel of communications.

Call for Further Information and System Pricing

BROADCAST TOOLS

CLEAR-COM

ROH

RTS

TELEX



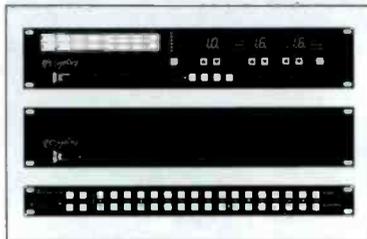
ROUTERS/SWITCHERS

360 SYSTEMS

BEC

BURK

360 SYSTEMS AM-16/B ROUTING SWITCHER



The AM-16/B Routing Switcher is a compact expandable system that is field selected for either 16x16 mono or 8x8 stereo matrix. It will route any source to any or all destinations. The AM-16/E expander unit operates in parallel to provide an additional 16 mono or 8 stereo inputs and outputs. Combine one master and one slave unit for 16x16 stereo operation. Additional slaves may be used for multi-channel applications or for custom matrices. The AM-16/R remote control station will provide control of 16 inputs and outputs, stereo or mono, for up to four separate levels of audio. Multiple AM-16/R remotes may be used to control a central switching matrix from several different locations. All inputs and outputs of the AM-16B are electronically balanced, and both RS-422 and MIDI remote control facilities are provided. Front panel setups may be stored in any of 100 non-volatile memory locations, allowing recall of individual patches or complex "salvos." Memory-Protect guards against accidental erasure of programs and on power-

up the last program in use is automatically selected. It has front panel patch points for two channels in and out, to serve as test points or for an emergency patch. Specifications meet today's high performance expectations.

AM-16/B	Audio crosspoint switcher	\$1,495.00
AM-16/B-38.4	AM-16B for operation at 38.4 Kbaud when using EIA-422 serial interface (MIDI port inoperative)	\$1,495.00
AM-16/E	Audio crosspoint expander	\$ 995.00
AM-16/R	Remote control station, 1U, will control 1-4 AM-16/B	\$ 695.00
AM-16/CR	Circuit card remote, same as 16/R w/o chassis or buttons	\$ 450.00
D15M-1	Interconnect cable for 1 expander to AM-16/B	\$ 15.00
D15M-2	Interconnect cable for 2 expanders to AM-16/B	\$ 20.00
D15M-3	Interconnect cable for 3 expanders to AM-16/B	\$ 25.00
D15M-4	Interconnect cable for 4 expanders to AM-16/B	\$ 30.00

BEC TECHNOLOGIES AUDIOPLEX



BEC Technologies Proline Series is a modular digital audio communications system capable of transmitting up to 64 channels of full bandwidth audio. Systems may be configured as STLs, or as audio links in production studios, satellite facilities, or mobile production trucks. For shorter transmission distances (up to 750'), data may be carried on one or two twisted pair cables. On fiber optic cable, distance is extended to 2 miles, multi-mode with the standard LED driver, or up to 25 miles single mode with the optional laser driver. Overall system performance specifications include frequency response of 10Hz to 22.5kHz ($\pm 3dB$), THD+N of less than 0.01%, and dynamic range better than 92dB. Proprietary Fault Tolerant Redundant Communication (FTRC™) technology is implemented to assure fail-safe signal integrity.

Modular design, with separate units for A-D conversion/data multiplexing, fiber optic transmission, and demultiplexing/D-A conversion, allows custom configuration of complex communication systems from off-the-shelf components.

AD16	AudioPlex; input A/D converter transmitter	\$ 3,000.00
DA16	AudioPlex; output D/A converter receiver/repeater	\$ 3,000.00
FB11	DataPlex; fiber optic transceiver module (handles up to 4 AD16s & 4 DAs for a total of 64 channels)	\$ 1,800.00
RPS	Redundant power supply module (handles up to 8 modules of any type on back-up)	\$ 1,500.00
MP16	Dual channel MIC preamp/splitter	\$ 4,000.00
MX16	Remote gain controller for the MP16	\$ 750.00

BURK LX-1



The Burk LX-1 Stereo Switcher is designed to improve your control room operation by reducing demands on your air console and eliminating the need to patch for alternate program sources.

LX-1	Six input stereo selector	\$1,295.00
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CONEX AS-101 AUDIO SWITCHER



The Conex AS-101 Audio Switcher allows any one of 10 stereo sources to be switched to the stereo output channel. Switching is accomplished by pressing one of the illuminated buttons on the front panel, or remotely, via the remote control connector on the rear panel. Several remote control devices may be connected in parallel, and all will indicate the selected channel. A compact rack-mount auxiliary package houses a variety of optional boards including an RS232/422 interface, a relay board making possible tape deck control, and a system board allowing the AS-101 to be transformed into simple automation system under the control of any PC. Features include connection via plug-in screw-clamp terminal blocks. Transformerless balanced inputs and outputs. Front panel accessible input and output level controls.

AS-101	Audio switcher	\$895.00
AS-401	Remote control (10 channel)	\$150.00
AS-501	Relay board	\$295.00
AS-201	RS-232 interface	\$195.00
AS-202	RS-232 expander board	\$130.00
AS-95	Auxiliary chassis	\$115.00

WOHLER TECHNOLOGIES ARS



The Wohler ARS features a versatile, modular design that can be configured with up to twenty

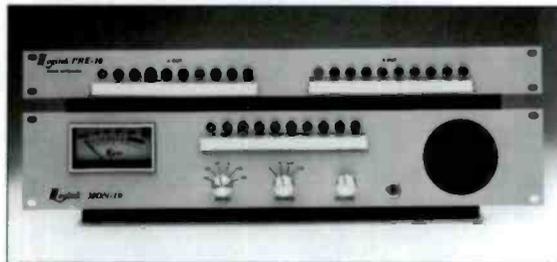
stereo inputs with two stereo outputs; or as a matrix switch with up to four stereo inputs and four stereo outputs. Normal output is balanced. An optional single pair of level meters or single phase/polarity indicator may be added to the Audio Routing Switcher. Rack mounted installation in a single rack space with simple rear connections by way of European style plug-in, screw-clamp terminal blocks.

ARS-11	5 stereo inputs to 1 stereo output	\$ 395.00
ARS-21A	5 mono inputs to 2 independent outputs	\$ 475.00
ARS-21B	10 mono inputs to 1 stereo output	\$ 475.00
ARS-21C	2 independent groups of (5 mono ins to 1 mono out)	\$ 485.00
ARS-22A	5 stereo inputs to 2 independent stereo outputs	\$ 620.00
ARS-22B	10 stereo inputs to 1 stereo output	\$ 620.00
ARS-22C	2 independent groups of (5 stereo ins to 1 stereo out)	\$ 640.00
ARS-42A	5 mono inputs to 4 independent outputs	\$ 745.00
ARS-421B	10 mono inputs to 2 independent outputs	\$ 745.00
ARS-42C	2 independent groups of (5 mono ins to 2 independent outs)	\$ 770.00
ARS-42D	20 mono inputs to 1 output	\$ 770.00
ARS-44A	5 stereo inputs to 4 independent stereo outputs	\$ 985.00
ARS-44B	10 stereo inputs to 2 independent stereo outputs	\$ 985.00
ARS-44C	2 independent groups of (5 stereo ins to 2 ind. stereo outs)	\$ 985.00
ARS-44D	20 stereo inputs to 1 stereo output	\$1,030.00

LOGITEK MON-10 & PRE-10

The MON-10 Switcher/ Meter/Monitor is great for production rooms, edit suites, remote trucks or any audio test rack. It is a one by ten stereo switcher with a full size VU meter and a 6W monitor amplifier. You can listen to right channel, left channel, L+R (mono) or L-R (out of phase check) on any of ten signal sources. The chosen signal also appears on the VU meter which has a six position meter range. The VU meter has a peak LED indicator, headphone jack as well as a front mounted monitor speaker. Logitek has a three year warranty.

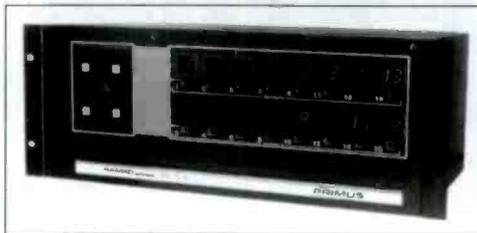
MON-10	Ten input stereo selector/meter/monitor	\$855.00
4VUB	4 lighted VU meters, 2U	\$630.00



The Logitek PRE-10 is a passive input expander that will mechanically switch ten inputs to either of two outputs or two inputs to 10 outputs. All inputs and outputs are XLR connectors.

PRE-10M	10 in, 2 out mechanical mono switcher	\$515.00
PRE-10S	10 in, 2 out mechanical stereo switcher	\$560.00

RAMKO RS-1616



The Ramko RS-1616 can route, amplify, distribute and mix in any combination of the full 128 input capacity to any and all outputs with no interaction. The system can be configured from as little as 8 mono/4 stereo in by 2 out, to as large as 128 mono/64 stereo in by 64 out. Up to 32 mainframes may be looped together and controlled with a single control system. It will route audio, SMPTE, D.C., ultrasonics, modems or

any signal thru 100kHz. With the inputs strapped for DC, RS232 computer signals to 9600 baud can be routed or simultaneously distributed without loading or degrading the original signal. The RS-1616 has a three year warranty.

RS-1616FP/MF	Mainframe (up to 16M/8S inputs, 16M/S out) front panel & serial remote control. Uses RS20C cards.	\$1,281.00
RS-1616LC/MF	Mainframe remote serial and parallel control no front panel controls or indicators. Uses RS20C cards.	\$1,046.00
RS-1616MP/MF	Mainframe, uses MP20C cards	\$1,101.00
RS20C	Two section (mono or stereo) output card, no mixing or paging.	\$ 175.00
RS81C	8 mono 4 stereo input card	\$ 252.00
RC-1/16P	Remote control for single output by 16 inputs. Table top, rotary selector.	\$ 145.00

Many options available, please call us for a quotation on your system.

CONEX

LOGITEK

RAMKO

WOHLER



AUDIO - PHASE/LEVEL MONITORING

ATI

B&B

TITUS

ATI VU200 - 800



Know at a glance where your signals are or are not. Display one, two, three or four stereo lines (eight channels) on bright, three color, sixteen

segment, LED bar graphs with simultaneous VU and PPM indication. Balanced, bridging inputs are switchable for 0VU at -10, +4 and +3dBm line levels. Wide range, backlit scale, compact 3 1/2" rack mount.

VU200	One stereo display	\$499.00
VU400	Two stereo display	\$749.00
VU600	Three stereo display	\$999.00
VU800	Four stereo display	\$1249.00

B&B AM SERIES



The AM-1B by means of a quality X/Y scope, VU meters and peak LED's, this unit provides monitoring of stereo audio phase, program average and peak levels, plus

SMPTE time code phase/genlock ideal for television production and post production facilities.

AM-1B

\$3,475.00



The AM-2 is similar to the AM-1B in monitoring stereo audio phase and levels but without the features of SMPTE time code monitoring and channel selection for the CRT display. Designed for

stereo radio facilities and recording studios. 4U

AM-2

\$2,975.00

The AM-2B is a compact version of the AM-2, with identical functions, for use in limited rack space environments. 2U

AM 2B

\$2,475.00



The AM-2HR is a video style half-rack unit with full time X/Y display for visual monitoring of stereo phase and built-in audio speaker and headphone amplifier.

AM-2HR

\$1,975.00



The AM-3B is a real time visual and audible monitor of stereo audio phase, program VU levels, peak threshold, and (L+R) or aux. Internal power amplifier and dual sets of inputs make this unit perfect for any stereo audio application.

AM-3B

\$2,860.00

The AM-3 is a complete tool for stereo audio transmission applications. It provides monitoring of stereo audio phase, program average and peak levels, plus a third channel display selectable between left and right channel sum or SAP (second audio program).

AM-3

\$3,600.00

B&B MP-4

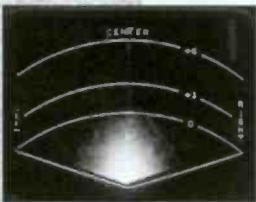


The MP-4 can be configured as four independent VU or PPM meter channels, or two of each. The self-powered MP-4 has rear panel XLR connectors tied to precision active, balanced amplifiers. It is available engraved to your specifications.

MP-4 Audio meter panels, 2U

\$1,475.00

B&B IMAGESCOPE™



The B&B Imagescope™ is the ideal tool for any stereo audio monitoring application. It displays the complex stereo audio signal, showing the dispersion of energy as it will sound in a typical listening environment. The Imagescope™ is used to position, any track or tracks in the stereo image. At a transmission site the scope will show mono compatibility of stereo program material and observe the separation, balance and level of the stereo signal.

IM-1HR

Half-rack Imagescope

\$1,975.00

TITUS THE LAST WORD 2



Titus's The Last Word 2 is a totally self-contained automatic stereo synthesizer and audio correction device. It can automatically insert the synthesizer or switch to an alternate source, with the loss of channel, source, or monaural detection, and

will correct audio polarity reversals. It has microprocessor controlled audio routing and VCA control, is user programmable for time delays, source sequencing, and stereo synthesizer control. It also provides full metering, monitoring, and remote control of the stereo signal.

The Last Word 2

\$3,900.00

TITUS MLW-1



The MLW-1 provides the broadcaster with a microprocessor based automatic audio correction device. When used as a stereo in-line device the MLW-1 will detect the loss of a

channel, loss of a source, or polarity reversal on it's primary stereo inputs and automatically correct the problem or bring up an alternate or tertiary source. It has full metering and monitoring of Left, Right, L+R, and L-R input channels, user programmed time delays, audio source sequencing and is totally remote controllable.

MLW-1

\$1,800.00

AUDIO - PHASE/LEVEL MONITORING



WOHLER TECHNOLOGIES MSM MULTIPLE SOURCE METERING



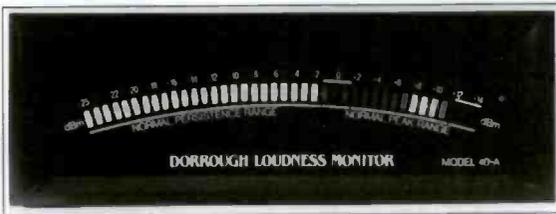
The MSM-1 audio monitor is a 1U chassis with power supply which houses LED monitoring for up to 10 stereo or 20 mono audio channels in user specified groupings. Using the MSM modules shown below, you can customize your own monitor.

MSM-1	Multiple source metering chassis w/power supply. Specify window arrangement with 10 bit word; 0=blank, 1=one LV, 2=pr. of LV-1's, 3=PH-1	\$ 250.00
LV-1	Each additional mono input meter, up to 20 mono in 10 windows, has 10 segment green/amber/red bar graph metering	\$ 75.00
PH-1	Phase/polarity indicators, use up to 10	\$ 125.00

WOHLER

DORROUGH

DORROUGH LOUDNESS MONITORS

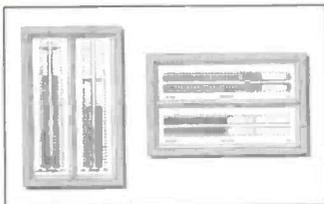


The Dorrough Loudness meter eliminates the shortcomings of conventional VU or PPM meters. The VU meter is too slow to respond to peak excursions, it is known as a quasi-average reading device. While the PPM meter does display and hold the peak level of waveforms, the quasi average program level is completely ignored. The Dorrough loudness monitor solves this. It displays in an easy to read format, the actual energy content of the material, regardless of frequency, while still indicating the peak amplitude of the complex audio signal. This meter gives you more complete and more usable information than any combination of peak hold, VU and PPM indicators.

Model 40-A	Standard loudness meter	\$ 475.00
Model 40-AP	Peak hold version	\$ 595.00
Model 40-B	Relative loudness to peak modulation meter	\$ 475.00
Model 40-BP	Peak hold version	\$ 595.00
Model 60-D	Digital transfer meter	\$ 475.00
Model 60-DP	Peak hold version	\$ 595.00
Model 10-A (or B)	Panel mount 2"(H)x4.25"(W)	\$ 475.00
Model 20-A (or B)	Panel mount 1 RU(H)x1/2 RU(W)	\$ 475.00
Model 40-S	Rack mount for single 40 or 60	\$ 45.00
Model 40-D	Rack mount for dual 40 or 60 19"(W)x3.5"(H)	\$ 45.00
Model 20-S1	Rack mount for single model 20	\$ 45.00
Model 20-D1	Dual model 20 19"(W)x1.75"(H)	\$ 45.00

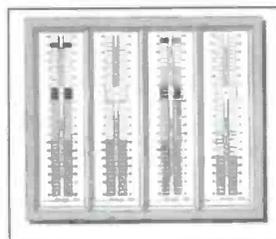
Other rack mounts are available. Please call Broadcasters General Store for ordering details.

DORROUGH 280 & 380



The Dorrough 280 & 380 AES/EBU 2-Channel Digital-Reading Audio Meters feature: 2 channels per meter; simultaneous display of peak and perceived power; selectable peak-hold function; over indication; 40dB range for 280/380D models and 60dB range for 280/380E models; gate-array technology; console or panel mount; screw terminals; and requires external power (12-24 VDC, 0.5A).

DORROUGH CONSOLE MOUNT ANALOG-READING STEREO METER



The Dorrough Console Mount Analog-Reading Stereo Meter features: 2 channels per meter; simultaneous display of peak and perceived loudness; selectable peak-hold function; gate-array technology; inputs, -25 to +20 dB; and requires external power (12-24 VDC, 0.5A).

380-D	AES/EBU, vertical mount, 40dB	\$850.00
280-D	AES/EBU, horizontal mount, 40dB	\$850.00
380-E	AES/EBU, vertical mount, 60dB	\$850.00
280-E	AES/EBU, horizontal mount, 60dB	\$850.00

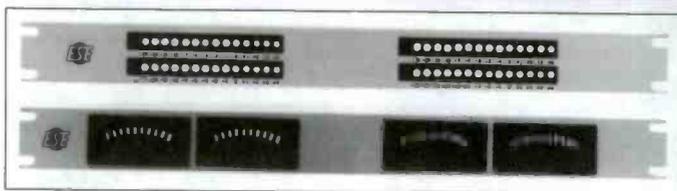
380A	Analog model, vertical mount	\$850.00
280A	Analog model, horizontal mount	\$850.00

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



AUDIO - PHASE/LEVEL MONITORING

ESE ES 214 / ES 216



The ES214 has been designed to simulate the action of a conventional VU Meter, yet features superior dynamic characteristics. The ES 216 Audio Level Indicator displays audio levels in ten discrete steps using ten LED indicators. Levels of -20, -10, -7, -5, -3, -1, 0, +1, +2 and +3 dB are displayed. Levels below 0dB are displayed using green LED's; 0dB is displayed in yellow; and levels above 0dB are displayed in red. The ES 216 is available in either the peak reading mode or the VU response mode.

ESE

INOVONICS

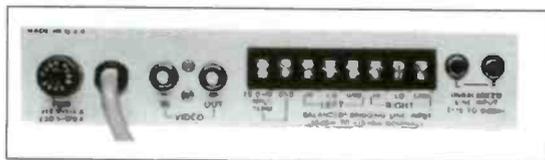
LOGITEK

ES 214	Vertical mini-panel mount	\$ 138.00
ES 215	Horizontal mini-panel mount	\$ 138.00
ES 215 P2	Stereo or dual mono, 1 3/4" RM	\$ 351.00
ES 215 P4	Dual stereo, 1 3/4" RM	\$ 652.00
ES 216	Meter mount	\$ 66.00
ES 216 P2	Stereo or dual mono, 1 3/4" RM	\$ 177.00
ES 216 P4	Dual stereo, 1 3/4" RM	\$ 309.00

INOVONICS TVU



The Inovonics TVU displays stereo audio level metering on the screen of a video monitor and is VU/PPM switchable. Applications include uses in television production, post-production, broadcast, cable TV, and video duplicating facilities.



TVU-00		\$ 620.00
TVU-20	Rack mount panel option for 1 or 2 units	\$ 40.00

LOGITEK



The Logitek Bright - VU LED audio level display can tell you from across the room if you are oversaturating an audio source.

Bright - VU LED Bar-graph audio level displays:

BVM	Mono display	\$ 205.00
BVS	Stereo display	\$ 340.00
BVrack	Rack mount kit specify mono or stereo	\$ 40.00
BVSply-12	Power supply (runs 1 stereo or 2 mono units)	\$ 50.00
BV2C	Single stereo 1 rack unit enclosure w/supply	\$ 545.00
BV4S	Dual stereo 1 rack unit w/supply	\$ 795.00
BV6S	3 stereo units in 1 rack unit w/supply	\$ 995.00

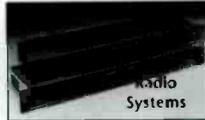
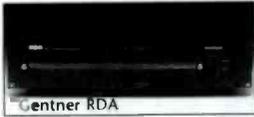
Super - VU LED Bar-graph audio average/peak/peak hold displays: (specify A for analog or D for digital)

SV1	Single stereo level display w/single image & density display, 1U	\$ 895.00
SV2	Dual stereo level display w/dual image & density display, 2U	\$ 1,495.00
SV3	Triple stereo level display w/triple image & density display, 2U	\$ 2,095.00

Super - VU LED Bar-graph meter plus image & density displays: (specify A for analog or D for digital)

SVID1	Single stereo level display w/single image & density display, 1U	\$ 995.00
SVID2	Dual stereo level display w/dual image & density display, 2U	\$ 1,645.00
SVID3	Triple stereo level display w/triple image & density display, 2U	\$ 2,295.00

AUDIO DISTRIBUTION AMPLIFIERS



AUDIO DISTRIBUTION AMPLIFIERS

MAKE/ MODEL	CONFIG.	INPUT CONN.	OUTPUT CONN.	METERS	LE/EL ADJ.	PHONE JACK	RACK MNT.	POWER SUPPLY	PRICE
APHEX									
120A	1x4	X	X	N	Y	N	Opt.	120-240	\$ 319.00
8126 (Modular)	1x6	X	X	N	Y	N	Mainframe	M-F Supply	\$ 395.00
8000R:11 Space Mainframe 9000PS:Mainframe Power Supply, MF w/power supply . . . Call for details									
ATI									
DA-1008-2	1X8	B	B	Y	Y	Y	Y	117V	\$ 820.00
DA-1008-4	1X8	B	B	Y	Y	Y	Y	117V	\$ 1060.00
DA-2016-2	Dual 1x8	B	B	Y	Y	Y	Y	117V	\$ 1145.00
DA-2016-4	Dual 1x8	B	B	Y	Y	Y	Y	117V	\$ 1565.00
DA-1000-1	1x8	B	B	N	Y	Y	Opt.	117V	\$ 355.00
DA-2008-1	Dual 1x4	B	B	N	Y	Y	Opt.	117V	\$ 375.00
DA-208	Dual 1x4	B	B	N	Y	N	Opt.	115-230	\$ 349.00
DA-416	Quad 1x4	B	B	N	Y	N	Opt.	115-230	\$ 499.00
DA-10000, Modular System . . . Call For Details									
BENCHMARK									
DA-101	1x4	Molex	Molex	Y	Y	N	Mainframe	M-F Supply	\$ 370.00
DA-102	Dual 1x5	Molex	Molex	Y	Y	N	Mainframe	M-F Supply	\$ 460.00
MDA-101	1x8 (MIC)	Molex	Molex	Y	Y	N	Mainframe	M-F Supply	\$ 390.00
MDA-102	Dual 1x4 (MIC)	Molex	Molex	N	Y	N	Mainframe	M-F Supply	\$ 470.00
MF-300:12 Space Mainframe PS-302:Mainframe Power Supply . . . Call for details									
BGW									
2242	Dual 1x4	B	B	N	Y	N	Y	115-230	\$ 799.00
ESE									
ES-217	1x4	B	B	N	Y	N	N	117V	\$ 129.00
GENTNER									
RDA	8x28	B	B	Y	Y	N	Y	117-234	\$ 1629.00
HENRY ENGINEERING									
U.S.D.A.	2x4	B	B	N	Y	N	N	115V	\$ 195.00
HNAT-HINDES									
DA2-12	2X12	B	B	Y	Y	N	Y	115V	\$ 495.00
LOGITEK									
ADA-4x4	Quad 1x4	TB	TB	N	Master	N	Y	115V	\$ 450.00
ADJ-4x4	Quad 1x4	TB	TB	N	Y	N	Y	115V	\$ 520.00
LPB									
DA1-8	1X8	B	B	N	Master	Y	Y	117-234	\$ 295.00
DA1-16	Dual 1x8	B	B	N	Master	Y	Y	117-234	\$ 495.00
OXMOOR									
MDA-16	1x6	X	X	N	Y	N	Y	110-220	\$ 466.00
MDA-26	2x6	X	X	N	Y	N	Y	110-220	\$ 519.00
RADIO DESIGN LABS									
ST-DA3	1x3	TB	TB	N	Y	N	Opt.	24VDC*	\$ 104.95
PS24 Power Supply									
RADIO SYSTEMS									
DA-8	1x8	B	B	N	Y	N	Y	115-230	\$ 272.00
DA-16	2x8	B	B	N	Y	N	Y	115-230	\$ 340.00
RAMKO									
xLAS-1	1x8	TB	TB	N	Y	N	Y	100V	\$ 149.00
xLAS-2	1x8	TB	TB	N	Y	N	Y	100V	\$ 187.00
xLAS-3	1x8	TB	TB	N	Y	N	Y	100V	\$ 230.00
xL2080MOD	Dual 1x4	TB	TB	N	Y	N	M-F	M-F Supply	\$ 175.00
(Modular)									
xL2080MET	Dual 1x4	TB	TB	Y	Y	N	M-F	M-F Supply	\$ 256.00
(Modular)									
xLAS-10:10 Space Mainframe xLPS110/230:AC Power Supply xLPS20:20vac Power Supply xLPS12:12vdc Power Supply									
ROH									
211B	1x6	TB	TB	N	Y	N	Opt.	M-F Supply	\$ 280.00
212B	1x6	TB	TB	N	Y	N	Opt.	M-F Supply	\$ 340.00
SHURE									
FP-16A	1x6	X	X	N	Y	N	Opt.	120VAC; 9VDC	\$ 595.00

XLR: 3-Pin Balanced
B: Barrier Strip

TRS: 1/4" Phone Balanced
TB: Screw Terminal Block

TR: 1/4" Phone Unbalanced

RCA: Phono Unbalanced

APHEX

ATI

BENCHMARK

BGW

ESE

GENTNER

HENRY ENGINEERING

HNAT-HINDES

LOGITEK

LPB

OXMOOR

RADIO DESIGN LABS

RADIO SYSTEMS

RAMKO

ROH

SHURE

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



POWER AMPLIFIERS



ASHLY

BGW

BOGEN

BRYSTON

CARVER

CROWN

CREST

ELECTRO-VOICE

POWER AMPLIFIERS

MAKE/ MODEL	** POWER PER CHANNEL	DIMENSIONS HxWxD	WEIGHT	COOLING	LEVEL CONTROL	CONNECTOR	WARRANTY	PRICE
ASHLY								
FET-1000M	120W	3.5x19x16	32 lbs.	Fan	Rear	XLR, TRS	5 yr.	\$ 689.99
FET-1000C	120W	3.5x19x16	32 lbs.	Fan	Rear	TRS, B	5 yr.	\$ 599.99
FET-1500M	200W	3.5x19x16	37 lbs.	Fan	Rear	XLR, TRS	5 yr.	\$ 779.99
FET-1500C	200W	3.5x19x16	37 lbs.	Fan	Rear	XLR, B	5 yr.	\$ 689.99
FET-2000M	300W	5.25x19x16	55 lbs.	Fan	Rear	XLR, TRS	5 yr.	\$ 939.99
FET-2000C	300W	5.25x19x16	55 lbs.	Fan	Rear	TRS, B	5 yr.	\$ 849.99
BGW								
85	35W	1.75x19x11	14 lbs.	Passive	Front	TRS, B	1 yr.	\$ 529.00
85	35W	1.75x19x11	14 lbs.	Passive	Front	TRS, B	1 yr.	\$ 599.00*
200	100W	1.75x19x11	14 lbs.	Passive	Front	XLR*	1 yr.	\$ 999.00
BOGEN								
BPA-60	60W, mono	3.5x15.25x8	19 lbs.	Passive	Rear	B	1 yr.	\$ 803.00
HTA-125A	125W, mono	5.25x19x11	36 lbs.	Passive	Rear	B	1 yr.	\$1017.50
HTA-250A	250W, mono	5.25x19x11	50 lbs.	Passive	Rear	B	1 yr.	\$1641.75
BRYSTON								
2B-LP-PBX	50W	1.75x19x10	18 lbs.	Passive	Front	XLR, TRS	20 yr.	\$ 775.00
3B-NPB	120W	5.25x19x9	35 lbs.	Passive	Front	XLR, TRS	20 yr.	\$1395.00
4B-NPB	250W	5.25x19x13	50 lbs.	Passive	Front	XLR, TRS	20 yr.	\$2095.00
7B-NPB	500W, mono	5.25x19x13	50 lbs.	Passive	Front	XLR, TRS	20 yr.	\$2195.00
CARVER								
PM-120	40W	1.75x19x12	10 lbs.	Passive	Front	XLR, TRS, B	1 yr.	\$ 560.00
PM-300	110W	1.75x19x12	11 lbs.	Passive	Front	XLR, TRS, B	1 yr.	\$ 750.00
PM-600	200W	3.5x19x11	23 lbs.	Passive	Front	XLR, TRS, B	1 yr.	\$ 860.00
PM-900	350W	3.5x19x11	24 lbs.	Passive	Front	XLR, TRS, B	1 yr.	\$1050.00
PM-1200	450W	3.5x19x11	21 lbs.	Passive	Front	XLR, TRS	1 yr.	\$1285.00
PM-1250	465W	3.5x19x10	11 lbs.	Passive	Front	XLR, TRS	1 yr.	\$1550.00
CROWN								
D-75	40W	1.75x19x8.5	10 lbs.	Passive	Front	XLR, TR	3 yr.	\$ 549.00
D-150	95W	5.25x19x8.75	24 lbs.	Passive	Front	TR	3 yr.	\$ 879.00
DC-300A	175W	7x19x9.75	45 lbs.	Passive	Front	TR	3 yr.	\$1199.00
PS-200	100W	5.25x19x9	45 lbs.	Fan-opt.	Front	TR, B	3 yr.	\$ 995.00
PS-400	190W	7x19x10.1	55 lbs.	Fan-opt.	Front	TR, B	3 yr.	\$1195.00
MA-600	235W	3.5x19x16	39.5 lbs.	Fan	Front	TRS	3 yr.	\$1295.00
MA-1200	320W	3.5x19x16	44.6 lbs.	Fan	Front	TRS	3 yr.	\$1595.00
MT-600	235W	3.5x19x16	37.3 lbs.	Fan	Rear	TRS	3 yr.	\$ 995.00
MT-1200	320W	3.5x19x16	40.6 lbs.	Fan	Rear	TRS	3 yr.	\$1295.00
PB-1	205W	3.5x19x16	30 lbs.	Fan	Front	TRS	3 yr.	\$ 869.00
PB-2	320W	3.5x19x16	32 lbs.	Fan	Front	TRS	3 yr.	\$1099.00
PT-1	220W	3.5x19x16	30 lbs.	Passive	Front	XLR, TRS	3 yr.	\$1049.00
PT-2	320W	3.5x19x16	32 lbs.	Passive	Front	XLR, TRS	3 yr.	\$1299.00
CREST								
FCV220	100W-4Ω	3.5x19x14	37.6 lbs.	Fan	Rear	B	3 yr.	\$ 918.00
FCV440	220W-4Ω	3.5x19x14	37.6 lbs.	Fan	Rear	B	3 yr.	\$1198.00
1001A	40W	1.75x19x10.5	17 lbs.	Passive	Rear	XLR, TRS, B	3 yr.	\$ 680.00
1501A	75W	1.75x19x10.5	19 lbs.	Passive	Rear	XLR, TRS, B	3 yr.	\$ 840.00
UL601	120W	3.5x19x15.5	33 lbs.	Passive	Front	XLR, B	3 yr.	\$ 798.00
UL901	225W	3.5x19x15.5	40 lbs.	Passive	Front	XLR, B	3 yr.	\$ 998.00
UL1201	280W	3.5x19x15.5	42 lbs.	Passive	Front	XLR, B	3 yr.	\$1398.00
3301	220W	3.5x19x15	49 lbs.	Fan	Front	XLR	5 yr.	\$1540.00
4601	300W	3.5x19x15	51 lbs.	Fan	Front	XLR	5 yr.	\$1880.00
PFA600	600W-4Ω	3.5x19x15	51 lbs.	Fan	Front	B	5 yr.	\$3990.00
ELECTRO-VOICE								
7100	100W	1.75x19x12.8	18.2 lbs.	Passive	Front	XLR, TRS	3 yr.	\$ 682.00
7200	140W	3.5x19x16	37 lbs.	Passive	Front	XLR, TRS	3 yr.	\$ 742.00
7300A	250W	5.25x19x12.75	39 lbs.	Fan	Front	XLR, TRS	3 yr.	\$ 990.00
7600	450W	5.25x19x12.75	53 lbs.	Fan	Front	XLR, TRS	3 yr.	\$1886.00

XLR: 3-Pin Balanced
B: Barrier Strip

TRS: 1/4" Phone Balanced
TB: Screw Terminal Block

TR: 1/4" Phone Unbalanced
** Into 8 Ohms (unless otherwise specified)

RCA: Phono Unbalanced

POWER AMPLIFIERS



Hafler PRO-1200



JBL SR6615



RDI ST-PA2



Hafler PRO-2400



QSC 1100



QSC 1400



RamSA



Stewart PA-100B



Symetrix A-220

HAFLE

JBL

LOGITEK

QSC

RADIO DESIGN LABS

RAMSA

STEWART

SYMETRIX

POWER AMPLIFIERS, con't.

MAKE/ MODEL	** POWER PER CHANNEL	DIMENSIONS HxWxD	WEIGHT	COOLING	LEVEL CONTROL	CONNECTOR	WARRANTY	PRICE
HAFLE								
PRO-1200	60W	3.5x19x9.5	20 lbs.	Passive	Rear	XLR, TRS	3 yr.	\$ 500.00
PRO-2400	120W	5.25x19x10.5	27 lbs.	Passive	Rear	XLR, TRS, B	3 yr.	\$ 630.00
JBL								
SR6615	90W	3.5x19x14.5	32 lbs.	Fan	Front	XLR, TRS	3 yr.	\$ 680.00
SR6630	190W	3.5x19x14.5	34 lbs.	Fan	Front	XLR, TRS	3 yr.	\$ 940.00
6215	35W	1.75x19x9	10.5 lbs.	Passive	Front	XLR, TRS, B	3 yr.	\$ 760.00
6230	75W	5.25x19x11	26.25 lbs.	Passive	Front	XLR, TRS, B	3 yr.	\$ 835.00
6260	150W	7x19x11	44.5 lbs.	Passive	Front	XLR, TRS, B	3 yr.	\$ 1150.00
6290	300W	7x19x14	63 lbs.	Fan	Front	XLR, TRS, B	3 yr.	\$ 1735.00
LOGITEK								
PWR-30	15W	1.75x19x7	7 lbs.	Passive	Front	TB	3 yr.	\$ 465.00
QSC								
1100	50W	1.75x19x8.7	12 lbs.	Passive	Front	XLR, TRS, B	3 yr.	\$ 608.00
1200	100W	5.25x19x9.5	24 lbs.	Passive	Rear	XLR, TRS, B	2 yr.	\$ 638.00
1400	200W	5.25x19x9.5	34 lbs.	Fan	Rear	XLR, TRS, B	2 yr.	\$ 838.00
MX-700	150W	3.5x19x12	25 lbs.	Fan	Front	TRS, B	3 yr.	\$ 688.00
MX-1000A	250W	3.5x19x18	47 lbs.	Fan	Front	TRS, B	3 yr.	\$ 1028.00
MX-1500A	350W	3.5x19x17.9	47 lbs.	Fan	Front	TRS, B	3 yr.	\$ 1258.00
EX-800	175W	3.5x19x17.9	40 lbs.	Fan	Front	XLR, B	3 yr.	\$ 998.00
EX-1250	275W	3.5x19x17.9	42 lbs.	Fan	Front	XLR, B	3 yr.	\$ 1248.00
EX-1600	400W	3.5x19x17.9	44 lbs.	Fan	Front	XLR, B	3 yr.	\$ 1558.00
USA-370	110W	5.25x19x9.5	24 lbs.	Passive	Rear	TRS, B	3 yr.	\$ 620.00
USA-850	240W	5.25x19x9.5	34 lbs.	Fan	Rear	TRS, B	3 yr.	\$ 740.00
USA-1300	365W	7x19x10.8	54 lbs.	Fan	Rear	TRS, B	3 yr.	\$ 1100.00
RADIO DESIGN LABS								
ST-PA2	2W, mono	Stick-On		Passive	Front	TB	3 yr.	\$ 52.95
ST-PA6	6W, mono	Stick-On		Passive	Front	TB	3 yr.	\$ 63.95
PS-24A	Power Supply for above							\$ 13.95
RAMSA								
WP-9055	50W	1.75x19x13	19 lbs.	Passive	Front	XLR, TRS	5 yr.	\$ 760.00
WP-9110	100W	3.5x19x15	28.6 lbs.	Fan	Front	XLR, TRS	5 yr.	\$ 1000.00
WP-9220	200W	5.25x19x15	38.6 lbs.	Fan	Front	XLR, TRS	5 yr.	\$ 1190.00
WP-9440	350W	5.25x19x19	75 lbs.	Fan	Front	XLR, TRS	5 yr.	\$ 2490.00
WP-1200	120W	3.5x19x15	26.45 lbs.	Fan	Rear	XLR, TRS	5 yr.	\$ 650.00
WP-1400	240W	5.25x19x15	38.3 lbs.	Fan	Rear	XLR, TRS	5 yr.	\$ 800.00
STEWART								
PA-50B	25W	1.75x8.5x6.2	3.5 lbs.	Passive	Front	TRS	2 yr.	\$ 299.00
PA-100B	50W	1.75x8.5x10.2	3.5 lbs.	Passive	Front	TRS	2 yr.	\$ 399.00
PA-1000	200W	1.75x19x12.5	11 lbs.	Passive	Rear	XLR, TRS	5 yr.	\$ 1099.00
SYMETRIX								
A-220	20W	1.75x19x8	8 lbs.	Passive	Front	XLR, TR	2 yr.	\$ 349.00

XLR: 3-Pin Balanced
B: Barrier Strip

TRS: 1/4" Phone Balanced
TB: Screw Terminal Block

TR: 1/4" Phone Unbalanced
** Into 8 Ohms (unless otherwise specified)

RCA: Phono Unbalanced



MONITOR SPEAKERS

ANCHOR

AURATONE

ELECTRO•VOICE

JBL

TANNOY



Anchor 1001X



JBL Control Series



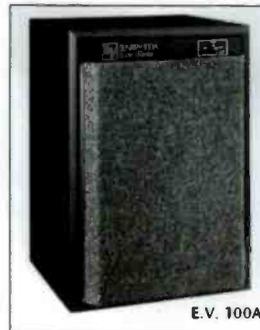
JBL 4206 & 4208



E.V. S-40



JBL 4406, 4408, 4410, 4412



E.V. 100A



Tannoy

MONITOR SPEAKERS

MAKE/ MODEL	FREQ. RESP.	IMP.	POWER CAP.**	DIMENSIONS HxWxD (Approx.)	TWEETER	WOOFER	OPTIONS	PRICE
ANCHOR								
AN-1001X	65-20K	8Ω	100W	5.25x8.4x9	10mm dome	4.5° (shld.)	RM-1 @ \$54.00	\$ 148.00
AN-1001X/70V	65-20K	70Ω	30-10-5W	5.25x8.4x9	10mm dome	4.5° (shld.)	SB-1 @ \$69.00	\$ 169.00
AURATONE								
5PSC	100-12.5K +/-3dB	8Ω	35W	6.5x6.5x6.25	10mm dome	5° (shld.)	White/Black/Walnut Veneer	\$ 135.00 pr.
ELECTRO•VOICE								
100A	45-18K	8Ω	30W 300W Pk	17.25x12x11.13	Super dome	8"	Black or White	\$ 355.00
S-40	85-20K +/-3dB	4Ω	160W	9.8x7x5.9	25mm dome	5.25°	SRB-7 @ \$36.00 S-40MB @ \$28.50	\$ 289.00
JBL								
4206	65-20K +/-2dB	8Ω	75W	15.4x9x9.5	25mm dome	6.5°	S-40MB @ \$28.50	\$ 210.00
4208	60-20K +/-2dB	8Ω	75W	17.75x11.25x9	25mm dome	8°	S-40MB @ \$28.50	\$ 275.00
4408A	50-20K +/-2dB	8Ω	100W	17.25x12x11.6	25mm dome	8°	MR-4408 @ \$35.00	\$ 325.00
4410A, L or R	45-20K +/-2dB	8Ω	125W	23.5x14.25x11.25	25mm dome	5° & 10°	MR-4408 @ \$35.00	\$ 450.00
4412A, L,R	45-20K +/-2dB	8Ω	150W	23.5x14.25x11.25	25mm dome	5° & 12°	MR-4408 @ \$35.00	\$ 675.00
4425L,R	40-16K +/-3dB	8Ω	200W	25x16x12.25	Bi-radial horn	12°	MR-4408 @ \$35.00	\$ 1150.00
Control-1	70-20K	4Ω	150W	9.25x6.25x5.6	19mm dome	5.25°	MTC-2 @ \$50.00	\$ 130.00
Control-1AW/70								\$ 210.00
Control-1+	60-20K -10dB	4Ω	160W	9.25x6.25x5.6	19mm dome	5.25°	MTC-8 @ \$10.00	\$ 165.00
Control-5	50-20K -10dB	4Ω	175W	15.25x9.9x9	25mm dome	6.5°	MTC-51,52 @ \$70, \$60	\$ 225.00
Control SB-5	45-175Hz -10dB	4Ω	350W	23.4x13x12.4	25mm dome	Triple Chamber Bandpass	MTC-51,52 @ \$70, \$60	\$ 635.00
Control 10L,R	35-27K -10dB	8Ω	150W	24x17x12	25mm dome	5°	MTC-102,103	
TANNOY								
PBM-6.5	57-20K +/-3dB	8Ω	100W Pk	12.5x8.5x8.4	25mm dome	6.5°	Black/White	\$ 375.00 pr.
PBM-8	47-20K +/-3dB	8Ω	125W Pk	15.9x10.9x10.75	25mm dome	8°	Black/White	\$ 545.00 pr.
PS-88	36-11Hz +/-3dB	4Ω	100W	14x14.5x13.5	25mm dome	2x8°	100w Powered	\$ 825.00

** Power handling capacity determined with either EIA Standard RS-426A power test or IEC Standard 268-5 power test.
Imp. = Impedance

MONITORING/SPEAKERS



ANCHOR LIBERTY 4500



The Liberty 4500 from Anchor Audio, Inc., is a powerful, portable sound system which converts from efficient voice projection to a full-range, high fidelity system with a simple flick of a switch. This unique product works as well indoors as outdoors, and with or without AC power. Wireless transmitters, receivers, DC power, and cassette player are also available with these systems.

MPA-4500	Dual function sound system (AC operable only)	\$ 1,053.00
MPB-4500	Dual function sound system (battery & AC operable)	\$ 1,169.00
MPA-4500H	Dual function sound system with heavy duty battery installed	\$ 1,239.00
MP-4501	Dual function companion (unpowered)	\$ 567.00

ANCHOR PORTA-VOX



The Porta-Vox runs with or without AC power, weighs only 25 lbs. and is powerful enough to provide crystal-clear sound to crowds up to 5,000.

PB-500	Battery operated portable P.A. system	\$982.00
PB-500W	Same as above w/ VHF wireless mic system	\$1,419.00

ANCHOR

ANCHOR MINI-VOX

PB-25	Handheld portable PA system	\$ 272.00
PB-25SAB	Same as above with signal alert button installed	\$ 307.00
MIC-25	Handheld mic with coil cord and 90° phone plug	\$ 47.00
HBM-30	Electret headboard/color-tryme	\$ 56.00
RC-25	Rechargeable battery kit	\$ 82.00
PB-25WBH	Handheld wireless version of the PB-25	\$ 634.00
PB-25WBL	Wireless body pack/lapel mic version of above	\$ 589.00



The Anchor Mini-Vox tackles crowds of over 200. This five pound audio system can be handheld or worn over the shoulder and is versatile enough to tackle a variety of situations including guiding tours, controlling crowds and organizing forces during an emergency. You need one in your newsroom!

SPEAKER SELECTORS



PRO CO RMS-1 & RMS-2



The RMS-1 routes the outputs of a stereo amplifier to one of three pairs of speakers. The switching logic allows fast and easy "A-B" comparison between any two pairs of speakers desired. The heavy-duty toggle switches safely carry loads as high as 1800 watts. The RMS-2 has two independent stereo sections, with the same routing capabilities as the RMS-1.



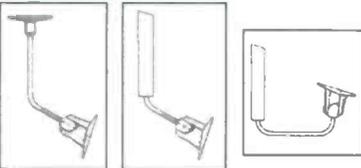
RMS-1	\$275.00	RMS-2	\$389.00
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PRO CO

SPEAKER MOUNTS



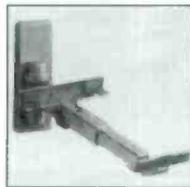
OMNIMOUNTS



Series #	Weight	Price
50	6 to 20 lbs.	\$49.95
75	15 to 40 lbs.	\$74.95
100	35 to 70 lbs.	\$89.95

Other configurations and mounts for up to 225 lbs. are available. Please call us for Omnimount diagrams.

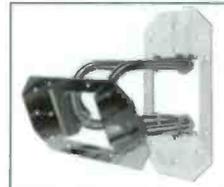
PIVOTELLI



Designed to support a pair of stereo speakers. Permits speakers to swing side to side and tilt up and down. Clamps speakers front to back and provides screw holes to secure bottom of bracket to speaker if desired. Sold in pairs only.

SS	Wall mount, max. wt. 44 lbs. each, cabinet size 4" to 10" depth	\$89.95
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PEERLESS



SPK815 The Radial Cube™ speaker mount, extends 9" from wall, up to 75 lbs. \$50.00 ea.

SPK805 The Mini-Mount, extends 4" from wall, up to 8 lbs. \$33.00 ea.

See Speaker Stands on page 130

OMNIMOUNTS

PIVOTELLI

PEERLESS



POWERED MONITOR SPEAKERS

ANCHOR

AUDIX

CLEAR-COM

ELECTRO-VOICE

FOSTEX

GALAXY AUDIO

WOHLER



Anchor AN-1000X



Fostex 6301B



Clear-Com 1021



Galaxy Audio Hot Spot PA-III



Wohler VM-4



Wohler AMP-1A-D2



Wohler AMP-1APF



Wohler AMP-2

POWERED MONITOR SPEAKERS

MAKE/MODEL	FREQUENCY RESPONSE	POWER	METERS	CONN.	VIDEO SHIELD	OTHER FEATURES	OPTIONS	PRICE
ANCHOR								
AN-1000X	70-14K +/-4dB	50W	N	RCA, TR, XLR	Y	Bass-Treble Control	RM1 @ \$54.00 or RM-12 @ \$61.00	\$ 411.00
AUDIX								
PH-3	65-22K	18W	N	RCA, TRS	N	1-Pwrd. & 1-Slave	Several R/M Offered	\$ 199.00
PH-4	60-22K	22W	N	RCA, TRS	N	1-Pwrd. & 1-Slave	Several R/M Offered	\$ 249.00
PH-5	55-22K	25W	N	RCA, TRS	N	1-Pwrd. & 1-Slave	Several R/M Offered	\$ 289.00
CLEAR-COM								
AMS-1021	120-12K +/-5dB	28W	Y	XLR	Y	L-R & Ctr. Spkr.	Several R/M Offered	\$ 675.00
ELECTRO-VOICE								
Sentry 100EL	45-18K Flat	50W	N	TR, XLR	N	8"-Woofer/Dome-Tweeter	SRB-7 @ \$36.00	\$ 750.00
FOSTEX								
6301B	80-13K	10W	N	TRS	N	4"-Woofer		\$ 209.00
6301BEAV	80-13K	10W	N	TRS, XLR	N	4"-Woofer		\$ 239.00
GALAXY AUDIO								
Hot Spot PA-III	100-18K +/-6dB	50W	N	TR, XLR	N	Mic-Line w/E.Q. Kit @ \$8.95	Handle	\$ 295.00
WOHLER								
AMP-1A	80-15K +/-7dB	10-18W	N	RCA, XLR	Y	L-R & Ctr. Speakers	*XFMR-1 \$40.00	\$ 720.00
AMP-1APE	80-15K +/-7dB	10-18W	Y	RCA, XLR	Y	Phase-Polarity & Led Meters	*DC-12 \$115.00	\$1000.00
AMP-1AP	80-15K +/-7dB	10-18W	Y	RCA, XLR	Y	Led Level Meter Only	*Headphone Jack @ \$65.00	\$ 880.00
AMP-1AF	80-15K +/-7dB	10-18W	Y	RCA, XLR	Y	Phase-Polarity Indicator Only	*Mon-1 @ \$35.00	\$ 840.00
AMP-1A-D2	80-15K +/-7dB	10-18W	Y	RCA, XLR	Y	Mon. L-R of 1 of 4 Channels	*Muting @ \$35.00	\$1445.00
AMP-1	100-9K +/-7dB	10-18W	N	RCA, XLR	Y	Mon. L-R of 1 of 4 Channels	*220v-50Hz @ \$45.00	\$ 635.00
AMP-9	Voice Quality	10W	Opt.	RCA, XLR	Y	Headphone Jack @ \$85.00	Meters	\$ 515.00
AMP-2	60-16K +/-5dB	11-20W	Y	RCA, XLR	Y	Prem. Drivers Output Limiters	*Input Select Switch	\$1100.00
VM-1	300-9K	10-18W	N	XLR	Y	Single Mono	Input Select	\$ 350.00
VM-4	300-9K	10-18W	N	XLR	Y	Four Mono Channels	Input Select Switch	\$ 765.00*

*THESE OPTIONS AVAILABLE FOR ALL MODELS EXCEPT AMP-9



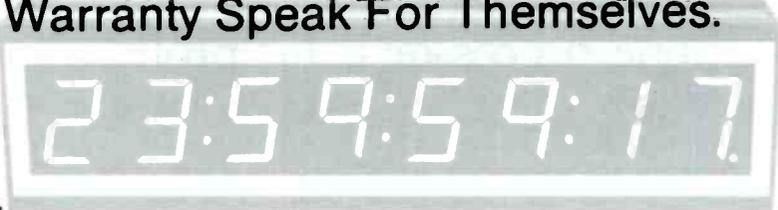
FOR OVER 22 YEARS

ESE

HAS BEEN SERVING THE BROADCAST INDUSTRY WITH THEIR CLOCK / TIMER, MASTER CLOCK SYSTEMS AND TIME CODE PRODUCT NEEDS. NOW, IF YOU HAVEN'T ALREADY, IT'S TIME TO TRY OUR AUDIO AND VIDEO DISTRIBUTION AMPLIFIERS. THIS FAMILY OF BROADCAST QUALITY D.A.'s HAVE AN UNBEATABLE COST PERFORMANCE.

GUARANTEED!

Our Satisfaction Guarantee Policy, And The 3 Year Warranty Speak For Themselves.



23:59:59.17



Practical Solutions Since 1971

WAIT NO MORE!

The New World Standard

Microphone Processor Is Now In Stock At Broadcaster's General Store



AIRcorp 500 PH Pro-Announcer

You can now have the control, the convenience and the quality enjoyed by major broadcasters around the world.

Microphone quality is enhanced, room noise disappears and absolute level control is achieved.

You will hear the difference the moment you plug earphones into the AIRcorp exclusive front panel earphone jack.

This microphone processor is for professionals. It was designed for you.



DENON TU-680



Denon's TU-680NAB is an AM Stereo/FM Stereo tuner which receives every major stereo programming format and was designed to monitor broadcast transmission quality. It is fully compatible with the "AMAX" AM standards, which mandate a wider tuning-band range, a new NRSC de-emphasis curve, and wide, controlled audio bandwidth that adheres to strict frequency response specifications.

TU-680 \$600.00

MAGNUM DYNALAB FT-101A



The Magnum Dynalab FT-101A offers such "workhorse" functions as a wide band composite output for modulation peak monitoring and adjustable alarm outputs for both carrier and modulation. Also standard is separate, demodulated outputs for 67 and 92 KHz SCA bands. Main channel audio output is 600 ohm balanced and the SCA audio output is 600 ohm unbalanced. All output levels are adjustable. The Pro 101 provides a "benchmark" sampling of off-air signal quality. Being analog and fully tunable across the FM band, it provides infinite frequency adjustment in order to deal with adverse reception environments.

FT-101P-B19 \$1,600.00

FT-PSLU Narrow band mode [additional selectivity to 30 dB (adjacent)] \$ 100.00

CIRCUIT WERKES



If you have TeleRadio at your stations, you can listen to every radio station in each of your markets. TeleRadio is a DTMF remote controlled listen line. It lets you listen to both your station and the competition in real-time. If you have a TeleRadio, you simply dial it up from any touch tone phone. As soon as it answers, the internal radio begins playing down the phone line to you. You can control the radio by using the buttons on your phone. Feature: ten random memory presets; remote controlled scanning, tuning, AM/FM band change, and memory set; FCC type approved for phone connection; automatically resets to first memory each time it answers a call; auto-answer/disconnect; and auxiliary audio input allows the coupler section to temporarily be used as an audio patch for remote talkback.

TeleRadio \$629.95

TECHNICS ST-G460



The Technics ST-G460 features • 39 Channel random access tuning • Automatic preset tuning • Digital FM signal strength indicator • Class AA circuitry • DC linear switching • MPX filter • DC circuit construction.

ST-G460 \$239.95

Single Space Rack Shelf \$ 41.88

TOA DT-910



The Toa DT-910 is a quartz locked, frequency synthesized, digital tuning system with memory for 10 AM and 10 FM preset stations. Front panel controls include a band selector, mono/stereo mode with stereo indicator, up/down tuning and station memory with memo display. Displays show digital frequency, station number and signal strength.

DT-910 \$ 380.00

MB-DT910 2U rack mount kit \$ 58.00

DENON

MAGNUM DYNALAB

TECHNICS

CIRCUIT WERKES

TOA



AUDIO PROCESSING - MULTI BAND

APHEX

CRL

INOVONICS

APHEX COMPELLOR™

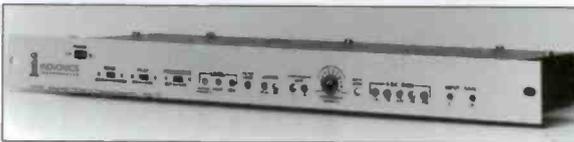


The ApheX Compellor™ has become one of the most popular Compressor/

Limiters because of its great sound. The Compellor control circuits constantly analyze the input signal, varying the control characteristics of a single VCA per channel. Operating controls are kept to a minimum, all you do is set the input levels and the balance between compression and leveling. The model 320 also has switchable stereo enhancement.

Model 320 (stereo)	\$1,350.00
Model 323 Compellor/aural exciter	\$ 949.00
Model 51, 1 rack unit security cover	\$ 39.00

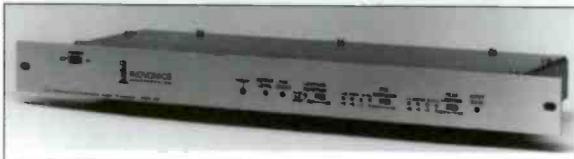
INOVONICS 715



The Inovonics 715 Integrated FM Stereo Processor/Generator.

715-00	\$1,875.00
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INOVONICS 222 AM PROCESSOR



Inovonics 222 is an audio processor specifically intended for AM broadcasting. It incorporates an "adaptive" pre-emphasis characteristic to enhance signal intelligibility and "presence," and a sharp-cutoff low-pass function to eliminate adjacent channel interference. It also has feedforward PWM control and a built-in peak limiter.

222	\$620.00
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APHEX DOMINATOR II™



The ApheX Dominator™ is a precision stereo multi-band peak limiter with zero overshoot that

greatly reduces the audibility of limiting action. At virtually any limiting depth the Dominator II is free of hole punching, dullness, and most other negative side effects. This peak overshoot protection limiter absolutely prevents peak levels from exceeding your selected output level while providing greater audio density and increased punch.

Model 720	\$1,350.00
Model 723 With pre/de-emphasis (50 or 75 Ms)	\$1,495.00
Model 51 1 rack unit security cover	\$ 39.00

CRL AGC-400/SEC-400/PMC-450



The CRL AGC-400 is a mono, gated, dual-band/wideband AGC providing up to 30 dB of gain reduction

range. Dyna-fex® noise reduction is included, as is E.Q. balance and selectable time constants. The AGC-400 is used before an STL or telco line to prevent overload.

AGC-400	\$1,650.00
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The CRL SEC-400 uses four bands of compression and dynamic equalization to help tailor your own on-air sound. It can also be used to increase loudness and density. Selectable compress or limit operation and selectable time constants add to the flexibility of the SEC-400.

SEC-400 Mono	\$1,895.00
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The CRL PMC-450A is a peak modulation controller that uses a combination of NRSC standard pre-emphasis, tri-band limiting, clipping and filtering to permit maximum loudness with minimum distortion. The PMC450A also has a gated, wideband compressor having 20dB of AGC range.

PMC-450	\$2,150.00
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CRL SCA-300B



The CRL SCA-300B is a digitally synthesized subcarrier generator with integral two-band audio limiter. The SCA-300B subcarrier frequency is user-selectable from 40 to 110 kHz. Either voice or data can be transmitted; two direct data input ports are provided. Also, the SCA-300B can be fully remote-controlled.

SCA-300B	\$2,050.00
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CRL AUDIO SIGNATURE/REAL TIME EVENT SEQUENCER



The CRL Real-Time Event Sequencer is a time-based external controller used to automate, or "daypart" the CRL Audio Signature processor. The Event sequencer stores up to 200 events occurring over a seven day clock. The unit can also

be used to automate other remote-controllable devices using any of its eight outputs. High accuracy crystal time base and battery backup are standard.

Real-Time Event Sequencer	\$895.00
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The Audio Signature represents CRL's latest processing design. Because the Audio Signature is a digitally-controlled AGC/4-band compressor and is programmable, a fully customized sound can be achieved. The Signature can be remote-controlled via a PC or "dayparted" using the optional CRL real-time Event sequencer. The Audio Signature works well in front of most modern stereo limiters.

Audio Signature	\$4,995.00
Audio Signature / Timer	\$5,890.00
Audio Signature / Modulation Signature	\$6,995.00

AUDIO PROCESSING - MULTI BAND



CRL FM AMIGO



The CRL Amigo is an FM stereo processing system designed for small market and educational stations. It is a stand alone system, needing no pre or post processing. The Amigo has a wide range input AGC, multi-band limiter and digitally synthesized stereo generator. User selectable options such as AGC gain reduction level, stereo sound field enhancement and limit/clip priority are included. Unit is extremely easy to set up and use.

FM Amigo **\$3,195.00**

CRL AM AMIGO



The CRL AM Amigo is a complete, self-contained processor for AM stereo. It contains wide range AGC, exclusive matrix limiting with full mono gain support, and stereo soundfield enhancement circuitry. Easy to set up and use. 1U.

AM Amigo **\$3,195.00**

CRL SYSTEMS PRICES

(Most of these CRL packages offer split chassis flexibility!)

AM Mono Systems

AM-2m	AGC-400, PMC-450A	\$3,395.00
AM-4m	AGC-400, SEC-400, PMC-450	\$4,895.00

AM Stereo Systems

AM Amigo Stereo generator processor		\$3,195.00
AM-2s	AGC-800, NRSC SMP-950	\$4,395.00
AM-4s	AGC-800, SEC-800, SMP-950	\$6,395.00

FM Stereo Systems

Amigo	Stereo generator and processor	\$3,195.00
FM-1g	SMP-850, SG-800A	\$4,095.00
FM-2g	SGC-800, SMP-850, SG-800A	\$5,995.00
FM-2g+	above plus SEC-800	\$7,995.00
FM-3	SGC-800, SEC-800	\$4,495.00
Sig. Series	Audio Sig. and Modulation. Sig.	\$6,995.00

CRL MBL-100



The CRL MBL-100 is a stand alone processor designed for AM news/talk and sports formats. By combining 7.5 kHz filtering with powerful multi-band limiting, very high levels of average modulation density are achieved. Therefore, intelligibility of speech is improved as is signal coverage area.

MBL-100	\$3,895.00
MBL-100 / AGC-400	\$5,195.00

CRL SCG-800/SEC-800/SMP-950



The CRL SGC-800 is a stereo AGC/compressor which is used before an STL or telco lines to eliminate system overloading. The AGC can be operated as "dual-band, wideband or both" and allows for up to 30 db of gain reduction. Dynafex® noise reduction is also included.

SGC-800	\$2,250.00
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The SEC-800 uses four bands of compression and dynamic equalization to help tailor your own on-air sound. It can also be used to increase loudness and density. Selectable compress or limit operation and selectable time constants add to the flexibility of the SEC-800.

SEC-800	Stereo	\$2,350.00
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The CRL SMP-950 is a tri-band AM Stereo matrix processor using a CRL patented combination of sum and difference limiting and adjustable single channel limiting to optimize stereo fidelity while maintaining mono compatibility. The SMP 950 also has a gated wideband compressor, integral stereo enhance and a tilt corrector for optimizing performance with older transmitters.

SMP-950	\$2,650.00
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CRL SMP-850/SG-800



The CRL SMP-850 consists of a dual-band AGC/compressor and advanced multi-band limiter. Precise peak modulation control is achieved using CRL's proprietary variable transfer function limiter. Also a built-in stereo sound field enhance function provides dramatic improvements in "on-air" stereo separation and loudness.

SMP-850	\$2,750.00
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The CRL SG-800A FM stereo generator is a drift-free, lab grade stereo generator due to its digitally synthesized balanced modulator design. Stereo separation exceeds 55dB. SCA inputs are provided for composite loop-through. The SG-800A's linear low-Z output drives up to 1,000 feet of RG-58 cable.

SG-800A	Digital stereo generator	\$2,590.00
	Without filter	\$1,795.00

CRL



AUDIO PROCESSING - MULTI BAND

CUTTING EDGE UNITY 2000i



The Cutting Edge Unity 2000i is a unified processor that accomplishes nine different functions from one chassis. The Unity has digitally controlled: 1: selectable broadband AGC; 2: selectable phase rotators; 3: adjustable low frequency base enhancer; 4: phase linear four-way adjustable cross over networks; 5: four band processor/leveler; 6: four band multiple time constant limiter; 7: integrated clipper/low pass filter system; 8: high quality stereo generator; 9: and selectable and adjustable composite clipper. Add to this: nine format settings that you can change; feed forward technology; digital processing without audio delay; RMS timing circuitry; RS-232 port access; an effects send and return port; and modular architecture for easy updating.

Unity 2000i

\$8,500.00

CUTTING EDGE

GENTNER

HIT DESIGN

GENTNER LAZER



Gentner's Lazer FM is a DSP limiter/stereo generator that actually detects over modulation before it occurs and reacts so quickly, there is no need to clip or cut-off audio. Lazer offers 23 processing parameters, ultra precise baseband stereo signal generation, eight preset processing programs, and A/B processing program comparison for maximum flexibility. Lazer's 3-band limiter and smart AGC give you the loudness you want without giving up the open sound that keeps listeners. It delivers excellent aural

specifications while allowing total modulation control. With Lazer's easy-to-use five button control panel and LCD screen, adjustments are simple. You can choose one of the built-in processing formats or design your own custom processing.

Lazer	With the optical encoder	\$6,299.00
Lazer	Plus two Prism II FMs	\$9,029.00
Lazer/Prizm		\$9,850.00
Digital Prizm		\$4,299.00

GENTNER PRISM II FM & AM



The Gentner Prism II FM, uses digital control to provide crisp, clear audio without "pumping" or other distractions. The Prism II's 4-band processing delivers precise control over the sound of the station for loud smooth audio. It has density control, spectral mix controls, a selectable phase rotator, and also is equipped with 9 adjustable parameters and 4 metered parameters.

Prism II FM (two required for stereo) \$1,779.00

The Gentner Prism II AM provides maximum modulation with four bands of digitally controlled audio processing and NRSC compliant filtering. Multi-band processing allows precise control over the sound of the station delivering loudness with clean, smooth sound. Individual "mix level" control for each band allows band equalization without a separate program equalizer. The Prism II AM also comes with peak control, density controls, spectral mix controls, 2-band limiter, tilt correction for plate modulated transmitters, adjustable pre-emphasis, adjustable clipping, and selectable phase rotator.

Prism II AM \$1,989.00

HIT DESIGN SMO 900

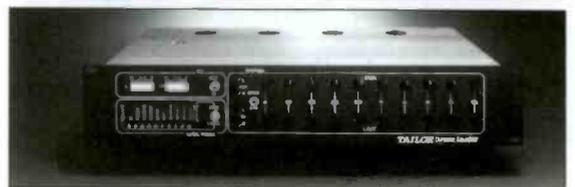


The Hit Design SMO-900 provides an impressive, pleasing and high impact air-sound for your station. Utilizing conventional gain control processing, phase correction techniques, and selectable low frequency augmentation, enhancement of the stereo image is accomplished. By placing these functions under the control of a smart stereo detector and dynamic width computer, intelligent enhancement of your station's sound is assured.

SMO-900

\$1,295.00

HIT DESIGN TAILOR



The Hit Design Tailor features ten bands of cut and boost on I.S.O. centers with individual limit controls on each band and is the only device on the market that effectively combines equalization and limiting over ten bands without negative processing artifacts. On air, the Tailor provides pinpoint accuracy to "sew up" your target audience. Loudness is important but a clean, full range sound is essential and the Tailor provides both. In production, the Tailor is a powerful yet flexible tool providing automatic quality control.

Tailor

\$1,695.00

AUDIO PROCESSING - MULTI BAND



MODULATION SCIENCES STEREO MAXX



With the StereoMaxx Stereo Expansion Processor in your air chain, your station will sound punchier and livelier. Stereo actually sounds wider than the speakers. Music takes on a bigger, deeper, dynamic quality that's especially apparent on car stereos, portables and walkradios. Limiters, clippers or other dynamic processors don't affect StereoMaxx adversely, because it operates in the spatial domain, not the amplitude domain.

MYB-2 \$2,889.00

ORBAN 275A



The Orban 275A Automatic Stereo Synthesizer is designed to be placed permanently in-line to automatically generate stereo from one mono channel, and allow true stereo to pass through unhindered. The 275 will noiselessly cross-fade between synthesized and true stereo material. For remote operation, the optional 275A/RC remote panel duplicates all the front panel controls.

275A		\$ 2400.00
275A/RC	Remote panel	\$ 275.00
SC1	Security covers, 1 rack unit, clear	\$ 55.00
SC2/3/4	Security covers, 2-4 rack units, clear	\$ 60.00

ORBAN 222A



The Orban 222 Stereo Spatial Enhancer augments your station's spatial image to give you a more

listenable sound. It expands the stereo soundstage without adding harmonic distortion or unnatural coloration.

222A		\$ 975.00
SC1	Security covers, 1 rack unit, clear, blue or white	\$ 55.00
SC2/3/4	Security covers, 2-4 rack units, clear, blue or white	\$ 60.00

MODULATION SCIENCES

ORBAN

ORBAN 245F STEREO SYNTHESIZER



The Orban 245F will give you convincing stereo from mono sources while preserving total mono/stereo compatibility for FM or TV broadcasting.

245F		\$ 495.00
SC1	Security covers, 1 rack unit	\$ 55.00
SC2/3/4	Security covers, 2-4 rack units	\$ 60.00

COMPOSITE PROCESSORS

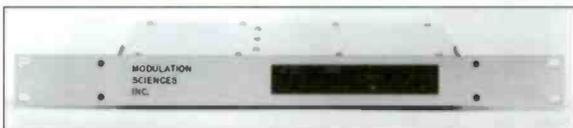
SOMICH ENGINEERING SE-1



The Somich SE-1 is the successor to the DBE-1000. The SE-1 dynamic baseband enhancer is an FM composite signal processor designed to increase apparent loudness, eliminate baseband overshoots, and enhance your signal while protecting SCA services.

SE-1 \$395.00

MODULATION SCIENCES CP-803



Modulation Science's CP-803 Composite processor keeps your FM station loud, clean and legal. Use it with any combination of conventional audio processing to provide up to 6dB of additional loudness.

CP-803 Composite Processor \$1,495.00

CUTTING EDGE DIVIDEND



The Cutting Edge Technologies Dividend is a very sophisticated composite filter that eliminates audible distortion, adverse effects on the SCA channel and lost modulation on the main channel. The Dividend will increase your main channel modulation by at least 5% and the SCA noise floor will typically be around -60dB. It will protect your full spectrum and pilot and reduce multipath distortion in the fringe areas. If you are using composite clipping or have SCA's on your main channel, you need a Dividend.

Dividend Composite Filter \$1,195.00



CUTTING EDGE

MODULATION SCIENCES

SOMICH ENGINEERING



AUDIO PROCESSING - MULTI BAND

CRL

MODULATION SCIENCES

STUDIO TECHNOLOGIES

CRL BAP-2000



The CRL BAP-2000 is a stand alone audio processor for mono FM or TV consisting of a two band AGC, limiter and built-in Dynafex® noise reduction. For TV applications an Fh filter is included. Great for non-stereo TV transmitters.

BAP-2000 \$2,150.00

CRL TVS-3001



Designed for Stereo-TV, the CRL TVS-3001 is a two-channel tri-band AGC having a capability of up to 30 dB of gain reduction. Integral Fh filters are also included as is an exclusive CRL/CBS loudness controller that "tames" loudness problems. The TVS-3001 also senses and corrects phase reversal problems on program material. The TVS-3001 is placed at the studio and prevents audio overload of the STL/telco feeds.

TVS-3001 \$4,895.00

MODULATION SCIENCES TV STEREO GENERATOR



TSG encoder and baseband stereo generator provides excellent stereo separation and great performance specifications. It accepts

composite video for unconditional lock to horizontal sync and complies with the BTSC standards. TSG includes operational monitoring and integral television audio processor with gating control and interleave protection circuit specifically designed for intricate multi-channel television sound requirements. See page 103 for Modulation Sciences Pro and SAP generators.

STV-784WB	TSG, stereo TV generator w/audio processor & balanced output chips	\$ 13,100.00
STV-784	TSG, stereo TV generator w/audio processor	\$ 13,000.00
STV-784NA	TSG, stereo TV generator without audio processor	\$ 9,875.00
STV-784AO	TSG, audio processor for STV 784 only	\$ 3,125.00
CLD-2503B	Balanced composite line receiver for STV-784 WB (w/o balanced chips)	\$ 900.00

CRL TVS-3003



The CRL TVS-3003 is a MTS-stereo generator and audio limiter. The TVS-3003 also has a wideband AGC providing up to 20 dB of gain reduction. The stereo generator portion of the unit is digitally synthesized and therefore is drift free. Limiting is handled by a two stage "variable transfer function" limiter which smoothly handles peak transients without generating distortion products. A "stereo enhance" feature dramatically improves your viewer's received stereo effect.

TVS-3003 \$8,795.00

STUDIO TECHNOLOGIES



The Studio Technologies ISS Integrated Simulator System is an audiophile quality, modular audio simulator system designed for flexible, reliable and great sounding MTS broadcasting. It consists of a powered mainframe and seven circuit cards: Input/Output, Simulator Type I, Simulator Type II, Polarity Correction, Recognition, Cross-fade, and Mode.

ISS		\$ 4,995.00
ISS-ECA	Extender card assembly	\$ 320.00

CRL TVS-3004



The CRL TVS-3004 is a digitally synthesized subcarrier generator for pro channel or non-public SAP use. Features integrated audio input limiter, data and/or telemetry input ports.

TVS-3004 \$2,250.00

CRL TVS-3005



The CRL TVS-3005 can be used for conventional SAP and non-public broadcast applications. It has a rock stable modulator section, auto carrier mute, full remote control capability, PRO channel input port, and low output Z drives long cable lengths.

TVS-3005 \$3,350.00



The Studio Technologies Generation II Stereo Simulator is designed expressly for on-air TV broadcasting, post production, and film applications.

Generation II \$ 829.00

AUDIO PROCESSING - ENHANCEMENTS



BBE 462/862



BBE® applies different phase correction algorithms to three separate frequency bands. The variable front panel control allows the user to adjust the amount of processing desired. BBE® is used to increase the clarity and intelligibility of program material and does not add any extra noise or harmonics to the sound.

462	1/4" and RCA connections	\$349.00
862	+4 balanced 1/4" & XLR connections	\$599.00

APHEX 104



The Apdex 104 has two processing types to enhance both ends of the spectrum. The 104 has increased presence and clarity with switch select for normal or high harmonics. Virtually noise free with the Big Bottom™ bass enhancer to increase bass sustain, density and loudness. Operates at -10dBm or +4dBm with 1/4" phone jack for I/O.

104		\$349.00
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ORBAN 290-RX



The Orban 290Rx allows transfers of CD's or records to carts to give

you a "better than new" sound. It dynamically adds high frequencies, even harmonics and includes single ended noise reduction with filter and gate. It is a 2U device with balanced barrier strip and XLR ins and outs.

290 Rx		\$ 1,200.00
SC1	Security covers, 1 rack unit, clear	\$ 55.00
SC2/3/4	Security covers, 2-4 rack units, clear	\$ 60.00

APHEX AURAL EXCITER TYPE III



The Apdex Aural Exciter® Type III is the latest generation, fully professional Aural Exciter loaded with powerful new processing features. New features include: adjustable harmonics mixing; two modes of noise reduction; SPR™

Spectral Phase Refractor; servo balanced I/O on XLR type connectors; Apdex VCA1001; and null fill. Operates with I/O levels from +8dBm to -10dBm, balanced or unbalanced automatically.

250		\$995.00
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STEREO GENERATORS



APHEX DIGICODER



The Apdex Digicoder FM Stereo Generator combines the functions of pre-emphasis limiting, 15kHz

low pass filter and stereo encoding, plus RDS input and output. It uses the highest attributes of both digital and analog signal processing to produce stability, accuracy, and sound quality. Easy to set-up and use.

Digicoder 400	PPDM FM stereo generator	\$3,995.00
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CRL SG-800A



The CRL SG-800A FM stereo generator is a drift-free, lab grade

stereo generator due to its digitally synthesized balanced modulator design. Stereo separation exceeds 55dB. SCA inputs are provided for composite loop-through. The SG-800A's linear low-Z output drives up to 1,000 feet of RG-58 cable.

SG-800A	Digital stereo generator	\$2,590.00
	Without filter	\$1,795.00

CRL AM & FM AMIGO



The CRL Amigo is an FM stereo processing system designed for small market and educational stations. It is a stand alone system, needing no pre or post processing. The Amigo has a wide range input AGC, multi-band limiter and digitally synthesized stereo generator. User selectable options such as AGC gain reduction level, stereo sound field enhancement and limit/clip priority are included. Unit is extremely easy to set up and use.

FM Amigo	\$3,195.00
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The CRL AM Amigo is a complete, self-contained processor for AM stereo. It contains wide range AGC, exclusive matrix limiting with full mono gain support, and stereo soundfield enhancement circuitry. Easy to set up and use. 1U.

AM Amigo	\$3,195.00
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BBE

ORBAN

APHEX

APHEX

CRL



STEREO GENERATORS

INOVONICS

QEI

INOVONICS 705



Inovonics 705 Stereo Generator Incorporates the necessary low-pass filtering and transmission pre-emphasis functions. The subcarrier and pilot signals are generated by digital circuitry to assure optimum performance and drift-free operation.

705-00	\$1,375.00
705-01 With FMX stereo option installed	\$1,990.00

INOVONICS 706



Inovonics 706 is a second generation Digital Synthesis FM Stereo Generator that

makes extensive use of digital techniques in generating the composite multiplex output. The result is a stereo generator with advanced features and performance. 2U.

706-00 With metering, remote control, SCA/RDS combining	\$3,120.00
706-01 With FMX stereo option installed	\$3,740.00

QEI 710/772F



The 710 Digital Stereo Generator is a true numeric digital signal processing system. It is completely digital from the input oversampling finite impulse response filters to the proprietary second generation digital composite firmware and 18 bit DAC. It is designed for ease of operation with familiar control functions and remote stereo/mono mode control. 1U.

710	\$3,500.00
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QEI 772F

The QEI Model 772 Stereo Generator is an economical, analog, all solid state unit. Terminals are provided to allow remote mono/stereo switching. 2U.

772F	\$1,795.00
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EXCITERS

DELTA

QEI

TTC

DELTA ASE-2

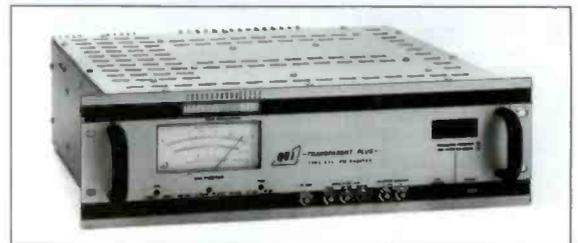


The Delta ASE-2 is a 1U, low cost high performance AM Stereo Exciter. All controls are on

the front panel. The operating frequency is crystal controlled for maximum stability and minimum phase noise.

ASE-2-1	Basic unit which includes TTL drive	\$3,395.00
ASE-2-2	Basic unit with high level output option	\$3,550.00
ASE-2-3	Basic unit with synchronous transmitter option	\$3,600.00
ASE-2-4	Basic unit with high level output option and the synchronous transmission option	\$3,775.00

QEI 675/695 FM EXCITER



The QEI FM Exciters are all solid state, on carrier direct FM, phase locked, and frequency synthesized. They are designed to meet or exceed the FCC requirements for use in the standard FM broadcast band. The Exciters may be programmed to operate on any 100 KHz increment using the same high stability 8 MHz crystal as a reference. The 695 FM Exciter's output is variable from 5 to 20 Watts with "Auto-mod" automatic modulation control, very low noise, and distortion <0.025% independent of temperature. The 695 has bar graph modulation metering with built-in peak counter, an annunciator panel, and a spectrum display output which permits Bessel-Null calibration of modulation monitoring.

675	FM exciter	\$ 2,795.00
675T10 or 20	FM exciter 10 or 20 Watt meter panel	\$ 295.00
695	FM exciter	\$ 5,295.00

TTC MODEL X



The TTC X frequency synthesized FM Exciter is virtually transparent with THD, IMD, and TIM <0.01%, a dynamic range of 90dB, and flat frequency response of ±0.05dB. It is convection cooled, has five SCA inputs, and a 30 watt FET type "N" output which can drive virtually any transmitter. The Model X is designed for operation at altitudes up to 12,000 feet, and temperatures from -30 to +50 degrees Celsius

and offers frequency stability of ±100Hz. It also includes a harmonic filter and a separate external rack mount power supply. TTC has a 2 year warranty with 24 hour parts and service.

Model X	1-30 Watt FM exciter	\$5,350.00
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MTS LAB 100TX

The MTS LAB is a local area broadcast 100 milli-watt transmitter that covers the standard AM band. It is operated under part 15 of the FCC rules and does not require a station or operator license. Tuning is done with a screwdriver and frequencies are set in 5kHz steps with DIP switches. This transmitter is designed for permanent outdoor installation in a heavy duty steel enclosure and comes with AC power supply, antenna and accessory connector.

LAB	530-1610 kHz	\$499.95
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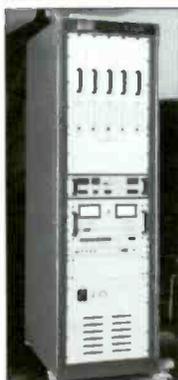
TTC FMS SERIES



TTC developed the FMS Series to keep you on the air, with the cleanest signal, at maximum power, under all conditions. The advanced solid-state design eliminates tube replacements, routine tuning requirements and maximizes operating efficiency which dramatically lowers operating costs. TTC's design utilizes four 320 Watt amplifiers which generate only 250 Watts of power, paralleled to yield 1kW of output power. This significantly increases reliability and results in specifications like -60dB of synchronous AM noise, 90dB FM S/N ratio, and distortion measurements of 0.01% or less for THD, IMD and TIM. Each amplifier has its own power supply regulator to spread heat load and the modular construction allows for maintenance while on the air. A DC short in the output harmonic filter provides excellent lightning immunity. At TTC, real life field experience guarantees your investment.

FMS-16000	4,000-16,000 Watt	\$139,990.00
FMS-12000	4,000-12,000 Watt	\$107,990.00
FMS-8000	4,000-8,000 Watt	\$ 68,800.00
FMS-4000	1,000-4,000 Watt	\$ 34,700.00
FMS-2000	200-2,000 Watt	\$ 24,500.00
FMS-1000	200-1,000 Watt	\$ 20,600.00
FMS-250	150-275 Watt	\$ 11,050.00
FMS-150	50-150 Watt	\$ 9,750.00

TTC XLS-1000B



TTC's new XLS-1000B solid state 1KW UHF (Ch. 14-69) TV transmitter has been refined from its cabinet to its output with the latest state of the art components for improved reliability. Its new cabinet styling has a replaceable air filter and quieter blower system. This transmitter has a newly designed XLS-5 up converter, multiple levels of redundancy, and output short circuit protection. It also has an improved AGC amp design, output metering accuracy and efficiency. The XLS-1000B has a two year limited warranty.

XLS-1000B	Transmitter/Translator	\$53,900.00
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SINE SYSTEMS THERMAL SENTRY



The Thermal Sentry is designed to monitor the overall

operating condition of a broadcast transmitter by measuring a specific thermal parameter. It provides important early-warning information about conditions that, if uncorrected, could lead to down time and costly damage. To accomplish this, the Thermal Sentry uses two precision air-temperature sensors; one installed at the cooling-air intake and the other at the cooling-air exhaust of a transmitter. The Thermal Sentry then computes and displays the temperature difference between the two sensors. In addition, the Thermal Sentry has an alarm output that activates whenever the temperature differential exceeds a preset value.

TS	Thermal Sentry	\$299.00
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QEI 675T SERIES



The QEI 675T Series are tunable PLL FM transmitters using 100% solid-state technology with an adjustable RF output. They meet all requirements of the FCC for educational or commercial mono, stereo and SCA applications. They are remote control/ATS compatible; fully protected against high VSWR; have convenient push-button operation; and can be housed in a desk top height cabinet. Prices include a spare parts kit and 675 Exciter.

675T150	150 Watt FM transmitter	\$ 6,835.00
675T300	300 Watt FM transmitter	\$ 7,935.00
675T500	500 Watt FM transmitter	\$ 9,590.00
675T600	600 Watt FM transmitter	\$ 9,790.00
Option MP	Meter and remote function panel	\$ 245.00
695T1KW	1KW FM transmitter, w/cabinet, meter panel, and factory check out after installation option 03	\$ 19,900.00
Replace 675 with 695 Exciter on any of the above		\$ 2,500.00

675 FM Exciter and optional meter panel is available which enables the exciter to be used as a low power transmitter see page 88 for QEI 675/695 Exciters.

QEI FMQ SERIES



QEI FMQ Series: Advanced technology, reliability, and conservative design are the hallmarks of QEI transmitters. All key parameters have alarms to warn you before the critical failure point. They all utilize single EIMAC tubes in grounded grid configurations with a 15,000 hour tube warranty! The 3.5 and 5KW models can be economically upgraded to 10KW and the 20 and 30KW models can be upgraded to 35KW at your location. The driver stages are 100% solid state and automatic power control is standard. For ease of service both the IPA and power supply modules can be removed from an on-air transmitter. All transmitters come with the 675 Exciter or can be ordered with the 695 Exciter which also provides automatic modulation control. Prices include a spare parts kit and a factory check out after installation. All these transmitters are available with single phase power supplies and 10KW and above offer the option of a three phase power supply.

FMQ-3500	3.5KW FM transmitter, single cabinet design	\$ 25,250.00
FMQ20000B	20KW FM transmitter, two cabinet design	\$ 53,000.00
FMQ30000B	30KW FM transmitter, two cabinet design	\$ 55,500.00
Option 03	Replace 675 with 695 Exciter	\$ 2,500.00
Option 05	Delete 675 Exciter	Subtract \$ 1,195.00



TRANSMITTERS

TTC MODEL XLFM/XLMFM

TTC



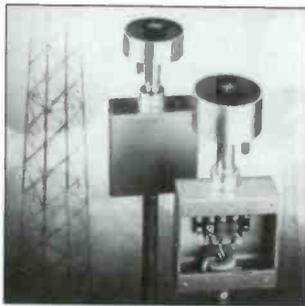
TTC developed the XL-FM Translators for customers who needed a way to fill gaps in their coverage. The XL-FM accepts a single FM channel, converts it to another FM channel, and provides for one or two outputs of 1 or 10 Watts. The XL-MFM Series Translators are designed specifically for direct feed from satellite, microwave, or any audio source. It uses the same modulator as the model XFM Exciter.

XL1FM	One Watt, single output	\$ 3,650.00
XL1FM2	One Watt, dual output	\$ 3,995.00
XL1FMB	One Watt, single output booster	\$ 4,550.00
XL1FMB2	One Watt, dual output booster	\$ 4,790.00
XL10FM	10 Watt, single output	\$ 3,850.00
XL10FM2	10 Watt, dual output	\$ 4,450.00
XL10FMB	10 Watt, single output booster	\$ 4,700.00
XL10FMB2	10 Watt, dual output booster	\$ 5,250.00
XL100FM	100 Watt, with FMS-100 amp, less rack	\$ 6,845.00
XL250FM	250 Watt, with FM300J amp, includes rack	\$ 11,900.00
XL1MFM	One Watt	\$ 3,800.00
XL10MFM	10 Watt	\$ 4,100.00
XL10MFM2	2 X 10 Watt	\$ 5,075.00



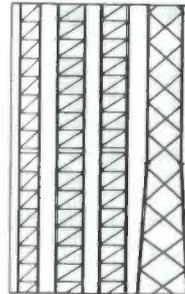
TOWERS

ENVIRONMENTAL TECHNOLOGY, INC. DE-ICERS



Environmental Technology, Inc. manufactures low cost, simple to install automatic ice detector and heater systems with lightning and RFI suppression. Dehydrators are also available from ETI. Call Broadcasters General Store for information.

ROHN TOWERS



Since 1948 ROHN has been making towers for the broadcast and communications industries. Towers are available as self-supporting or bracketed guyed. All towers, welds, bolt holes, etc are "hot dip galvanized", which coats tubular steel on the inside and outside for complete corrosion resistance. All ROHN towers are custom designed for each specific installation and can be ordered pre-painted with lighting kits and other options. Call Broadcasters General Store to get a quotation.

STATI-CAT™ LIGHTNING PROTECTION

The Stati-Cat™ lightning prevention system works through the principle of charge dissipation, providing a continuous low resistance discharge path for the static electric charge found on all tall structures. Stati-Cat charge dissipators reduce the charge above a structure, and is designed to prevent a strike. Stati-Cat will design a system for your tower at no charge. Call Broadcasters General Store to get Stati-Cat information and to make arrangements for your system design.

SC-1	Stati-Cat™ charge dissipator	\$ 350.00
SC-3	Guywire and small tower dissipator	\$ 50.00
SC-4	Tomcat dissipator	\$ 400.00
CN-1	Crow's Nest dissipator	\$ 1,450.00
CN-1D	Diagonal bar, adding 264 points	\$ 450.00

SSAC, INC. B-KON TOWER FLASHERS



SSAC totally solid-state tower flashers have proven reliability with years of use on radio and TV towers. Flash single or multiple beacons, simultaneously,

alternately or sequentially and sense lamp failure with an alarm output. SSAC gives you a modular approach to your lighting needs with efficiency and economy.

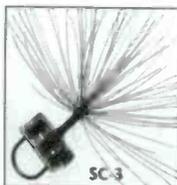
FS-155-30-T	Flasher, two beacons (120 VAC)	\$85.00
FS-165-30-T	Flasher, up to four beacons (230VAC)	\$98.00

ENVIRONMENTAL TECHNOLOGY, INC.

ROHN

SSAC, INC.

STATI-CAT™



TOWER LIGHT MONITOR



TOWERSENTRY™

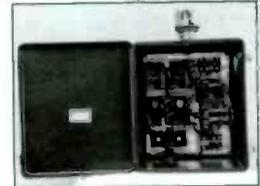
Complete 24 hour monitoring of your tower lights

- Avoid costly FCC fines • TowerSentry™ can monitor your tower lights 24 hours a day, 7 days a week • Tower light system monitored by TowerSentry's™ central monitoring station via 800 phone numbers • Monthly tower light monitoring log provided, indicating all tower light activity • You are immediately notified of alarm conditions • Local FAA Flight Service Station notified upon failure of tower lights as required by FAA and FCC rules and regulations, and again upon restoration of tower lights
- Verification of activation of tower lights at local sunset • Automatic alpha numeric paging available.

Alarmed Control for Red Tower Light Systems

- Features:**
- Electronic flasher - no mechanical parts or motors to wear out
 - Dependable calibrated current sensors - 5 second time delayed to prevent false alarms
 - Precision photoelectric controller calibrated to FAA and FCC specifications
 - Rugged UL approved NEMA enclosure for indoor or outdoor mounting
 - Disarm circuit - disables alarm circuits when tower lights are turned off by the photo control
 - Contact closures indicate alarm and status conditions
 - Single and multiple beacon systems available
 - Alarms
 - Beacon lamp failure
 - Side light lamp failure
 - Flasher failure
 - Photoelectric control failure
 - Tower AC power failure
 - Indicate activation and deactivation of tower lights.

TOWERSENTRY™



		Equipment Only Pricing	Equipment with 3 year monitoring
SBIC	Single beacon interface/controller	\$750.00	\$495.00
DBIC	Dual beacon interface/controller	\$950.00	\$695.00
SBA	Single beacon alarm, interfaces with existing controller	\$680.00	\$425.00
DBA	Dual beacon alarm, interfaces with existing controller	\$775.00	\$525.00
Monitoring Service Fee	1 Tower	2-4 Towers	5 or more towers
Monthly Service Fee	\$49.00	\$39.00	\$29.00
Multiple users on a single tower:			
2-4 subscribers	\$39/month for initial subscriber or tower owner, \$10/month for each additional subscriber		
5 or more subscribers	\$10/month each subscriber		

ANTENNAS



ANTENNA SPECIALISTS



Base Commander, UHF Broadband Collinear Fiberglass Vertical Base Station, 7dB Gain.

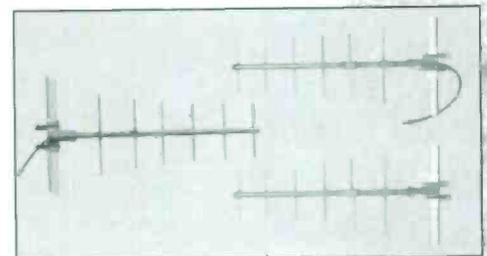
ASPRD700	450-460 MHz	\$ 315.00
ASPRE700	455-465 MHz	\$ 315.00
ASPRF700	460-470 MHz	\$ 315.00
ASPR615	Side tower mounting kit, mounts antenna 18 to 36 inches from tower	\$ 284.75
ASPR616	Base station tower clamp set (2 clamps per unit); galvanized	\$ 54.25
ASPS-177	Whip antenna, vertically polarized mobile roof top, 3 db gain 130-174 MHz	\$ 61.75
ASP-1650	Whip antenna, vertically polarized mobile roof top, 4 db gain 445-470MHz	\$ 56.25

ANTENNA
SPECIALISTS

DECIBEL

DECIBEL

Model	Pattern	Gain in dB	Frequency (MHz)	Price
DB264	Broadband array, omni	6	150-174	\$681.00
DB411	Offset pattern antenna	9	450-512	\$383.00
DB420	Broadband, omni	9.2	450-470/470-512	\$838.00/\$899.00
DB432	6 element Yagi, economy	8	450-470	\$108.00
DB436	6 element Yagi, flex lead	10	450-470/470-512	\$230.00/\$218.00
DB438	6 element Yagi, boom conn.	10	450-470/470-512	\$253.00/\$310.00
DB536	Omnidirectional	5.5	450-512	\$549.00
DB538	Omnidirectional	7.5	450-512	\$786.00



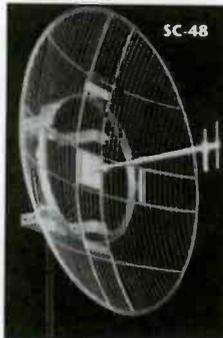
Decibel manufactures RF amplifiers and repeaters, baseband and notch cavity filters, combiners, duplexers, ferrite isolators, monitor systems, multicouplers, and more antennas. Call Broadcasters General Store for the Decibel Products catalog.

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



ANTENNAS

MARTI



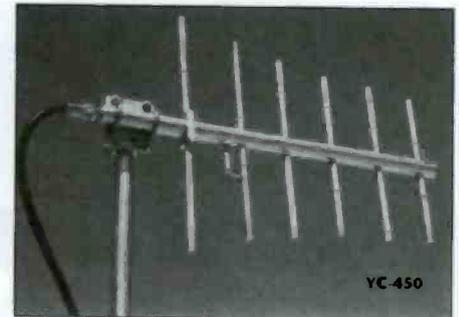
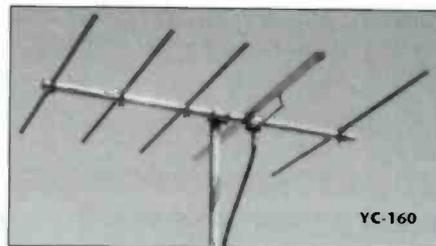
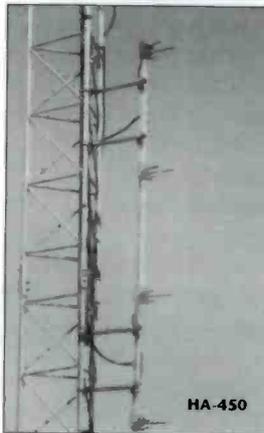
MARTI

MARK ANTENNAS

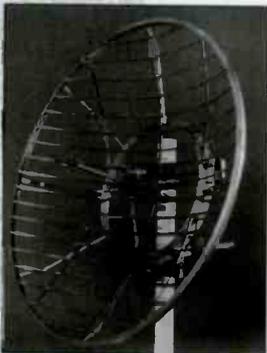
Model	Pattern	Gain (dB)	Frequency
	(MHz)	Price	
SC-48	4' full range parabolic	19.0	940-960 \$ 800.00
YC-XXX	Yagi, 5 elements	9	Specify 152.08-170.45 \$ 150.00
YC-450	Yagi, 6 elements	10	450.01-455.99 \$ 175.00

The HA-450 base antenna will give you up to 30db isolation from vertically polarized UHF transmitters. This antenna will minimize annoying interference during remote broadcasts.

Model	Gain (dB)	Mounting Length	Mounting Weight	Price
HA-450-1	Unity	123/4"	3 lbs.	\$ 125.00
HA-450-2	3	251/2"	41/2 lbs.	\$ 265.00
HA-450-4	6	51"	91/2 lbs.	\$ 495.00



MARK ANTENNAS



Mark Antennas meet or exceed every existing F.C.C. requirement, are lightweight, strong, heli-arc welded aluminum, multi-element parabolic grid antennas. One of the outstanding characteristics of a grid antenna is the low wind loading figures, usually 25 to 40% of solid dishes. When ordering please specify frequency.

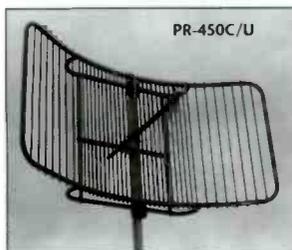
Mark 940-960 MHz Parabolic Grids

-1 Includes mounting hardware for a 1.9"-3.5" vertical O.D. pipe				
Dia.	Pressurized 7/8" EIA Flange	Non-Pressurized 7/8" EIA Flange	Non-Pressurized "N" Female	Price
4 Ft	P-9A48G-1	P-9A48GF-1	P-9A48GN-1	\$1,110.00
6 Ft	P-9A72G-1	P-9A72GF-1	P-9A72GN-1	\$1,450.00
8 Ft	P-9A96G-1	P-9A96GF-1	P-9A96GN-1	\$2,210.00
10 Ft	P-9A120G-1	P-9A120GF-1	P-9A120GN-1	\$2,840.00
-2 Includes mounting hardware for a 4.5" vertical O.D. pipe				
Dia.	Pressurized 7/8" EIA Flange	Non-Pressurized 7/8" EIA Flange	Non-Pressurized "N" Female	Price
4 Ft	P-9A48G-2	P-9A48GF-2	P-9A48GN-2	\$1,280.00
6 Ft	P-9A72G-2	P-9A72GF-2	P-9A72GN-2	\$1,570.00
8 Ft	P-9A96G-2	P-9A96GF-2	P-9A96GN-2	\$2,330.00
10 Ft	P-9A120G-2	P-9A120GF-2	P-9A120GN-2	\$3,960.00

Other diameters, frequency ranges, mounts and styles are available. Call Broadcasters General Store for a Mark catalog.



SCALA



Scala offers a full line of antennas for VHF, UHF and telemetry systems. For twenty five years Scala antennas have delivered performance and dependability. Call Broadcasters General Store for a Scala catalog.

950MHz Aural STL and inter-city relay systems

PR-450C/U	Paraflector®, 20dB gain, 940-960MHz, H or V, N connector	\$630.00
MF-960	Miniflector® 14dB gain, 940-960MHz V only, N connector	\$320.00

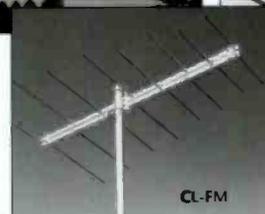


SCALA

JAMPRO

Precision Off-Air Monitoring

CL-FM	Super-rugged 88-108MHz, 7dB gain, 25dB F/B ratio, ctr. mt. 50 or 75Ω	\$500.00
CL-FMRX	High performance 88-108MHz 6.5dB gain, ctr. mt., 50 or 75Ω	\$300.00
HDCA-5	5 element Yagi, 7.7dB gain 88-108MHz, specify frequency, center mount, N,UHF or F connector, 75Ω	\$230.00



JAMPRO ANTENNA, INC.

For over 30 years Jampro has specialized in high quality broadcast antennas for the TV and FM broadcasting industry. We have listed a sampling of their FM antennas, please call us for more information on combiners, filters, couplers and TV/FM antenna systems from Jampro.

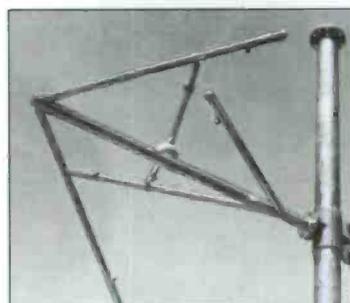
JHPC high power and JMPC medium power antennas

#of Bays	Standard Antenna		w/Deicers		w/Radomes	
	JHPC	JMPC	JHPC	JMPC	JHPC	JMPC
1	\$ 3,180.00	\$ 2,900.00	\$ 3,685.00	\$ 3,475.00	\$ 3,825.00	\$ 3,605.00
2	\$ 4,885.00	\$ 4,180.00	\$ 6,100.00	\$ 5,035.00	\$ 6,375.00	\$ 5,475.00
3	\$ 7,050.00	\$ 6,270.00	\$ 8,740.00	\$ 7,425.00	\$ 9,250.00	\$ 8,200.00
4	\$ 9,950.00	\$ 8,370.00	\$ 12,370.00	\$ 9,905.00	\$ 12,925.00	\$ 10,945.00
5	\$ 12,575.00	\$ 10,460.00	\$ 15,585.00	\$ 12,390.00	\$ 16,275.00	\$ 13,680.00
6	\$ 15,440.00	\$ 12,615.00	\$ 19,055.00	\$ 14,925.00	\$ 19,880.00	\$ 16,460.00
7	\$ 17,900.00	\$ 14,690.00	\$ 22,150.00	\$ 17,395.00	\$ 23,125.00	\$ 19,200.00
8	\$ 21,125.00	\$ 16,970.00	\$ 25,975.00	\$ 20,060.00	\$ 27,050.00	\$ 22,115.00
9	\$ 22,385.00	\$ 18,890.00	\$ 27,775.00	\$ 22,370.00	\$ 29,050.00	\$ 24,685.00
10	\$ 24,655.00	\$ 29,080.00	\$ 30,700.00	\$ 24,840.00	\$ 32,075.00	\$ 27,410.00
11	\$ 25,785.00	N/A	\$ 32,450.00	N/A	\$ 33,950.00	N/A
12	\$ 28,825.00	\$ 25,190.00	\$ 36,100.00	\$ 29,825.00	\$ 37,750.00	\$ 32,920.00
14	\$ 33,650.00	\$ 20,980.00	\$ 42,100.00	\$ 34,810.00	\$ 44,050.00	\$ 38,405.00
16	\$ 37,250.00	N/A	\$ 49,150.00	N/A	\$ 51,375.00	N/A

Special: 3/8" center feed, 7 bays or less add \$1,675 for JHPC or JMPC. 6/8" center feed, 7 bays or less add \$2,625 for JHPC.

JLLP low power educational antenna - cable feed

#of Bays	Std. Ant.	w/Deicers
1	\$1,355.00	\$1,750.00
2	\$3,330.00	\$4,135.00
3	\$4,225.00	\$5,425.00
4	\$5,100.00	\$6,700.00





ANTENNAS

SHIVELY ANTENNAS

Shively Labs produces a complete line of antennas, balanced, branched and hybrid combiners, transmission line and accessories, coax patch panels, harmonic filters, harmonic filter couplers, directional couplers, isocouplers, reflectometer display unit and pressurization equipment. Call Broadcasters General Store for more information.

SHIVELY

ALUMA TOWER

M²



No Bays	High Power 6810 10kW/bay, 40kW max.	Medium Power 6813 3kW/bay, 20kW max.	Educational 6812
1	\$ 4,000.00	\$ 3,550.00	\$ 750.00
2	\$ 6,825.00	\$ 5,025.00	\$ 1,400.00
3	\$ 8,600.00	\$ 5,900.00	\$ 2,100.00
4	\$ 11,200.00	\$ 7,000.00	\$ 2,800.00
5	\$ 13,600.00	\$ 8,700.00	\$ 3,250.00
6	\$ 17,000.00	\$ 10,300.00	\$ 3,750.00
7	\$ 18,600.00	\$ 11,500.00	\$ 4,300.00
8	\$ 21,900.00	\$ 12,900.00	\$ 5,400.00
10	\$ 27,100.00	\$ 15,900.00	
12	\$ 31,800.00	\$ 18,600.00	
14	\$ 39,700.00	\$ 21,400.00	
16	\$ 44,300.00	\$ 25,700.00	

Deicers per bay, low windload	\$ 550.00	\$ 400.00	\$ 400.00
Radomes per bay	\$ 750.00	\$ 700.00	\$ 700.00
Extra heavy protection, Radomes per bay	\$ 1,100.00	\$ 1,100.00	\$ 1,100.00
XXL Mt. Washington, Style Radomes	\$ 1,600.00	\$ 1,600.00	\$ 1,600.00
Center feed for the 2,4, and 6 bay (N/C options for 8 bays; standard or 10, 12, 14, and 16 Bays)	\$ 1,400.00	\$ 14,000.00 (31/8")	\$ 700.00
		\$ 1,800.00 (15/8")	

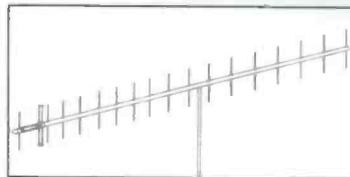
ALUMA TOWER



Aluma Tower makes high quality, low maintenance, crank up telescoping and fixed guyed aluminum towers up to 100 feet high. They combine lightweight tubular aluminum and plastics to provide a lifetime of maintenance free performance. All structural units are TIG welded, which produces a joint stronger than the members themselves. The finished product approaches the strength of steel with none of steel's weight and maintenance considerations. Please call Broadcasters General Store for more information.

Call for pricing.

M²



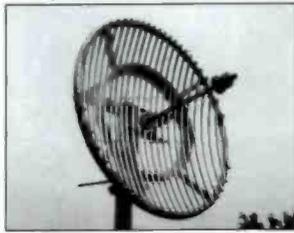
The M² 440-18 is a carefully computer optimized broadband Yagi featuring an excellent pattern and good gain across its bandwidth. It can be mounted vertically or horizontally and is ideal for stacking two or more for additional gain. Its lightweight yet sturdy construction keeps the cost low and the

performance high. Use it for ATV, OSCAR, FM, LONG HAUL TROPO, ETC.; we guarantee you will be impressed.

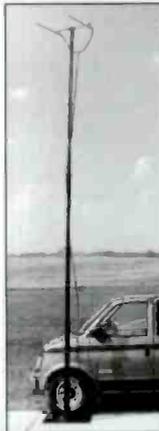
Model Number.....	440-18
Frequency Range.....	420 to 453 MHz
Gain over a Dipole.....	14.5dB Typical
Front to Back.....	23dB Typical
VSWR.....	1.2:1 Typical
Beamwidth E and H Plane.....	27 and 32 Degrees
Recommended Stacking Distance.....	46 Inches
Input Connector.....	N Female
Power Handling.....	1KW
Wind Area.....	.875 Sq. Ft.
Boom Length.....	136 Inches
Mast Requirements.....	1 1/2 to 2 1/8
Wind Survival.....	100 MPH
Weight/Shipping Wt.....	5 lbs./6 lbs.
Price.....	\$109.00



GABRIEL GRID PARABOLICS



WILL-BURT HURRY UP MAST



The Will-Burt Hurry Up telescoping aluminum mast weighs 28 lbs. and extends to 25 feet with a load of up to 20 lbs. The six graduated tubes are raised manually and fixed in position with quick lock/release collars. The complete mast can be raised from its 6 foot nested height to its full height in one minute or less. The base of the mast is a drive-on 36 lb. plate which requires no guys. Will-Burt makes a wide variety of telescoping masts for ENG and remote broadcasts. Call Broadcasters General Store for more information.

903220 Hurry-Up Telescoping Mast \$ 1,300.00

900481 Swivel Air Fitting & Adapter \$ 50.00

Model	Size	Polarization	Gain	Price
GLF4-940	48	H or V	18.5	\$1,180.00
GLF6-940	72	H or V	21.9	\$1,520.00
GLF8-940	96	H or V	24.5	\$2,295.00
GLF10-940	120	H or V	26.5	\$2,925.00
GLF12-940	144	H or V	28.1	\$4,850.00

GABRIEL

WILL-BURT

RF CABLE



ANDREW CORPORATION



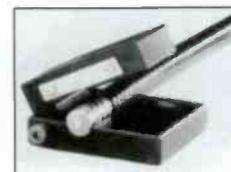
Andrew Corporation provides cable, rigid transmission line, dehydrators, broadcast antennas, coaxial switches, and accessories. Phase stable, superflexible, high temperature, low VSWR and 50 or 75 ohm are some of the types available. Please remember that some cable sizes come on a returnable reel, which requires a deposit and a return freight charge. Call Broadcasters General Store for an Andrew catalog.

ANDREW CORP.

Cable size	Part Number	Attenuation dB/100ft			Connectors	Price
		950MHz	450MHz	100MHz		
1/4" Superflex Foam	FSJ1-50A	6.4dB	4.2dB	NA		\$ 1.66/ft
	41ASW				N Male	\$ 14.50
	41N				N Female	\$ 46.00
3/8" Foam Dielectric	LDF2-50	3.4dB	2.3dB			\$ 1.89/ft
	L42W/L42N				N Male/Female	\$ 35.20
	L42P/L42U				UHF M/F	\$ 44.00
1/2" Foam Dielectric	LDF4-50A	2.2dB	1.5dB	.69dB		\$ 2.50/ft
	L44AW/L44N				N Male/Female	\$ 31.70
	L44P/L44U				UHF M/F	\$ 28.20
	L44R				7/8" EIA	\$ 112.00
7/8" Foam Dielectric	LDF5-50A	1.3dB	.84dB	.37dB		\$ 6.18/ft
	L45W/L45N				N Male/Female	\$ 77.00
	L45P/L45U				UHF M/F	\$ 74.00
	L45R				7/8" EIA	\$ 116.00
Cable size	Part Number	Attenuation dB/100ft			Connectors	Price
		108MHz	100MHz	88MHz		
1 1/8" Air Dielectric	HJ7-50A	.22dB	.21dB	.19dB		\$16.22/ft
	87R				1 1/8" EIA	\$ 260.00
	87G				1 1/8" EIA (GB)	\$ 300.00
3" Air Dielectric	HJ8-50B	.15dB	.14dB	.13dB		\$ 29.12/ft
	78ARM				3 1/8" EIA M	\$ 460.00
	78ARF				3 1/8" EIA F	\$ 440.00

EasiX Kit consists of tool, instruction sheet and 5 extra blades. EasiX makes a clean cut and decreases the risk of cutting the inner conductor.

#207866	For LDF4-50A and LDF4-75, replacement blades #209874	\$ 30.00
#207865	For FSJ1-50A/75 and FSJ4-50B/75A, replacement blades #209874 (Does not have jacket cutting blade)	\$ 30.00
#222951	For LDF5-50A, replacement blades #222954	\$ 45.00



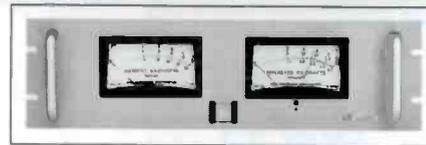


RF CABLE

BIRD



The Bird Model 43 thru-line directional wattmeter accurately measures forward or reflected power in coaxial transmission lines under any load condition. This wattmeter consists of a line section and meter housed in an aluminum case. Quick-change-type connectors and plug-in elements are required for operation.



The Bird Model 3127 protects installations from high VSWR, measuring

power from 250W to 250kW at frequencies from 2-1000MHz. Abnormal load conditions quickly cause transmitter shutdown, a buzzer alarm, and a change of illumination color of the reset button. Audible and visual alarms indicating system malfunction may be removed.

BIRD

CABLEWAVE

43 CW/Portable **\$230.00**

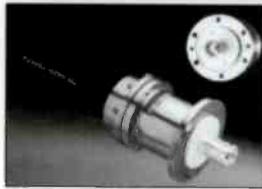
Elements
Specify frequency and power **\$61.00 to \$152.00**

3127
For rigid lines (15/30/60 scale meters) **\$1,175.00**

Elements
Specify frequency and power **\$61.00 to \$152.00**

Call Broadcasters General Store
for complete information.

CABLEWAVE



Cablewave is dedicated to the design and manufacture of microwave antennas, cable, waveguides and associated accessories. Other sizes, impedances, hangers, grounding kits, dehydrators, etc. are available. Please remember that some cable sizes come on a returnable reel, which requires a deposit and a return freight charge. Phase stabilized versions of some cables are available for an additional charge. Call Broadcasters General Store for a Cablewave catalog.

Cable size	Part Number	Attenuation dB/100ft			Connectors	Price
		950Mhz	450MHz	100MHz		
1/2" Foamflex	FXA12-50J	2.9dB	1.8dB	.84dB		\$ 1.89/ft
	735000/735001				N Male/Female	\$ 29.00
	735002/735003				UHF M/F	\$ 29.00
	735005				HN Male	\$ 74.00
7/8" Foamflex	FXA78-50J	1.8dB	1.2dB	.49dB		\$ 4.73/ft.
	734380				7/8" EIA	\$ 255.00
	735100/735101				N Male/Female	\$ 68.00
3/8" Foam Flexwell	FLC38-50J	3.8dB	2.5dB	1.1dB		\$ 1.78/ft
	734761/734762				N Male/Female	\$ 34.00
	734773/734774				UHF M/F	\$ 43.00
1/2" Foam Flexwell	FLC12-50J	2.3dB	1.6dB	.69dB		\$ 2.35/ft
	738802/738801				N Male/Female	\$ 31.00
	738804/738803				UHF M/F	\$ 27.00
	738807				7/8" EIA	\$ 109.00
7/8" Foam Flexwell	FLC78-50J	1.3dB	.85dB	.37dB		\$ 5.82/ft
	738841/738842				N Male/Female	\$ 75.00
	738843/738844				UHF M/F	\$ 72.00
	738845				7/8" EIA (GP)	\$ 113.00
Cable size	Part Number	Attenuation dB/100ft			Connectors	Price
		108Mhz	100MHz	88MHz		
1 5/8" Air Flexwell	HCCC158-50J	.2dB	.195dB	.19dB		\$ 15.29/ft
	738303				1 5/8" EIA (GB)	\$ 294.00
	738314				1 5/8" EIA (GP)	\$ 255.00
	738300/738301				N Male/Female	\$ 234.00
3" Air Flexwell	HCC300-50J	.15dB	.14dB	.13dB		\$ 27.44/ft
	738350				3 1/8" EIA (GB)	\$ 456.00
	738355				3 1/8" EIA (GP)	\$ 431.00
3 1/2" Air Flexwell	HCC312-50J	.12dB	.11dB	.095dB		\$ 30.78/ft
	734578				3 1/8" EIA (GB)	\$ 666.00
	734579				3 1/8" EIA (GP)	\$ 647.00

Set It...



And Forget It.

INTRODUCING THE SHURE FP410; THE “HANDS OFF” MIXER THAT DELIVERS PERFECT SOUND AUTOMATICALLY.

The new Shure FP410 is not just another pretty face. It's a whole new concept in portable mixing; one that forever solves the nagging problems of multiple open microphones. By automatically keeping unused microphones turned down, the FP410 dramatically improves your audio quality.

The secret: Shure IntelliMix — the patented operational concept behind the revolutionary FP410. It thoroughly shatters existing standards for portable mixer performance and ease of operation. Just set your levels and flip the switch to “Automatic”. Shure IntelliMix does the rest.

Its Noise Adaptive Threshold activates microphones for speech but not for constant room noise, such as air conditioning.

Its MaxBus limits the number of activated microphones to one per talker.

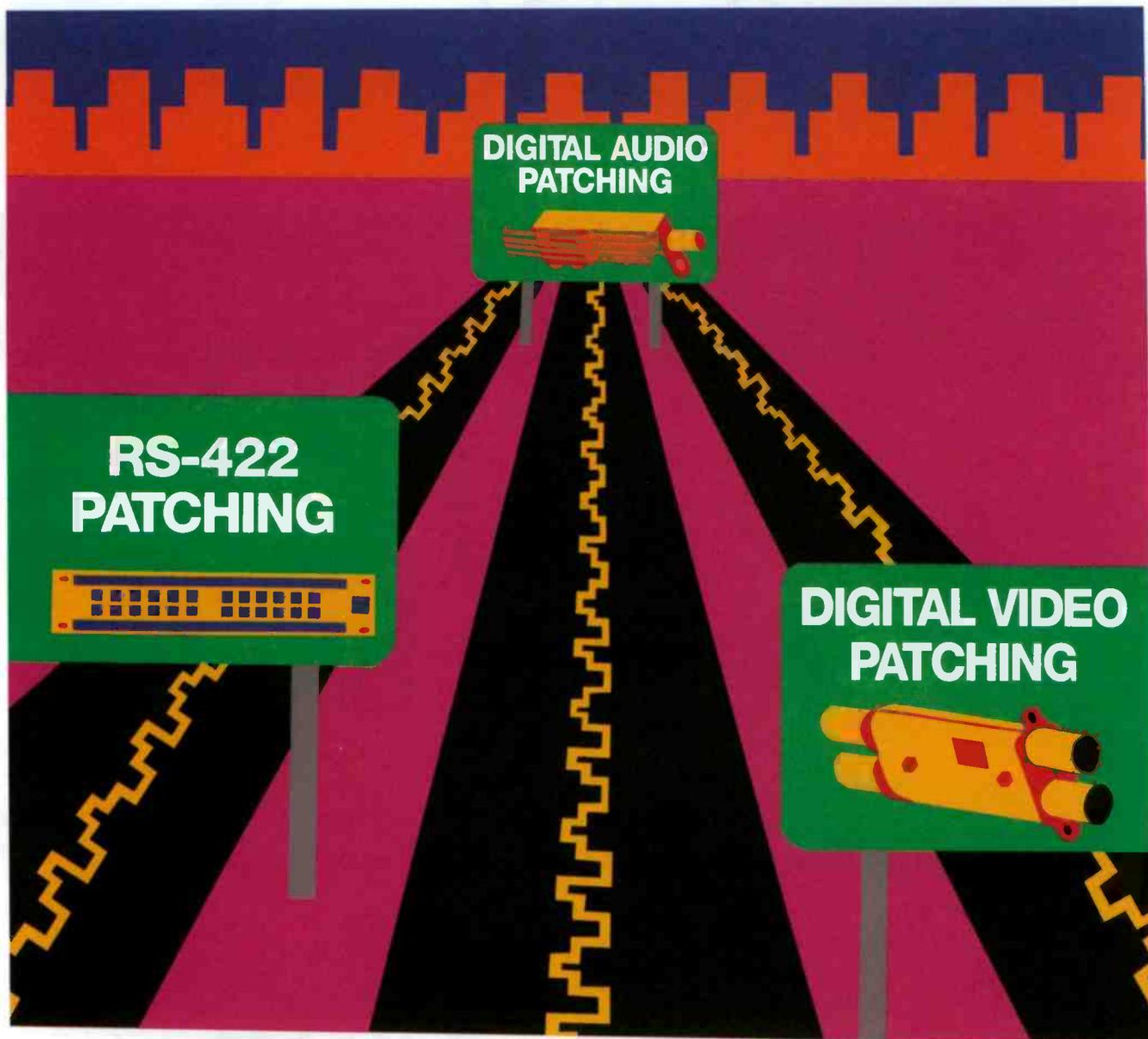
And its Last Mic Lock-On keeps the most recently activated microphone open until a newly activated microphone takes its place.

With Shure IntelliMix, you'll get a “seamless” mix that's as close to perfect as you'll find. Providing the cleanest, clearest sound you've ever heard from a portable mixer. And freeing you from the tedious task of turning microphones on and off.

For a closer look at the world's first portable automatic mixer, call for more information including the article “Why Use An Automatic Mixer?”.

We think you'll agree: The Shure FP410 is automatically a classic.

SHURE®



Three-Way Access To The Digital World.

Whether it's digital audio, digital video or machine control between VTRs and edit controllers, ADC's digital patch panels provide for the access, monitor and test of digital circuits throughout your studio or station.

Digital Video Panels

All ADC coax video jack panels are designed for composite analog, HDTV and serial digital video circuits, including D1, D2 and D3.

Digital Audio Panels

ADC's fully-normalled digital jackfields patch AES/EBU signals up to 100 meters. High-speed, data-grade cabling assures error-free transfer of the digital signal. The patented QCP split

cylinder contact ensures gas-tight connections that can be reconfigured up to 200 times.

Machine Control Panels

ADC Patch By Exception bays allow you to cost-effectively increase the number of ports available for your edit controllers and handle data applications up to 20 Mb/s, including 10 Mb/s Ethernet, T1 and ISDN.



ADC Telecommunications

MODULATION MONITORS



BELAR AM & FM

FM Radio Monitor Equipment

FMM-2	FM precision modulation monitor (specify frequency)	\$1,790.00
Option 01	Peak weighting module (5 time constants plus FCC mode)	\$ 395.00
FMS-2	FM precision stereo modulation monitor	\$2,050.00
FMM-4A	FM digital frequency monitor	\$1,590.00
Option 01	Eight alarm relay card for FMM-4A	\$ 250.00
Option 02	Module for interfacing alarms with the WIZARD	\$ 250.00
SCM-2	SCA modulation monitor (67kHz std., 3 more available)	\$2,050.00
	Each additional: standard SCA frequency	\$ 75.00
	Each additional: special SCA frequency	\$ 100.00
RFA-IA	FM RF amplifier (specify frequency)	\$ 850.00
RFA-4	Frequency agile FM RF amplifier (10 memory presets)	\$1,190.00
Option 01	Module for interfacing RFA-4 with the WIZARD	\$ 100.00
FMMA-1	The WIZARD, precision digital FM modulation analyzer	\$3,300.00
Option 01	Precision FM demodulator with calibrator (IF input)	\$ 590.00
Option 02	Down converter and AM noise detector (specify frequency)	\$ 495.00
Option 03	PC software for remote operation, data display and logging included	
FMRR-IA	Fixed frequency FM rebroadcast receiver (specify frequency)	\$1,590.00
FMRR-4	Frequency agile FM rebroadcast receiver	\$1,890.00

FM Accessories

MP-8	Combined remote meter panel for FMM-2 and FMS-2	\$ 425.00
MP-9	Remote meter panel for FMM-2	\$ 275.00
MP-10	Remote meter panel for SCM-2	\$ 275.00
PWM-1	Peak weighting module (5 time constants plus FCC mode)	\$ 395.00
AS-1	Audio Sentry (loss of program alarm)	\$ 295.00

AM Equipment

AMM-2B	AM modulation monitor	\$1,590.00
AMM-3	AM modulation monitor (with automatic carrier leveling)	\$1,790.00
AMMA-1	The WIZARD, precision digital mod. monitor/analyzer	\$3,300.00
AMM-4	AM digital frequency monitor	\$1,390.00
Option 01	Three alarm relay card for AMM-4	\$ 250.00
RFA-2	AM RF amplifier (specify frequency)	\$ 790.00

AM Accessories

MP-6B	Remote meter panel for AMM-2A and AMM-2B	\$ 350.00
MP-7	Remote meter panel for AMM-3	\$ 350.00
MP-14	Analog meter panel for AMMA-1	\$ 350.00
LP-1	Shielded loop antenna (passive)	\$ 295.00
LP-1A	Shielded loop antenna with preamplifier and line driver	\$ 375.00
Option 01	External power supply for LP-1A (not needed with RFA-2)	\$ 85.00
AS-1	Audio Sentry (loss of program alarm)	\$ 295.00

DELTA SM-1



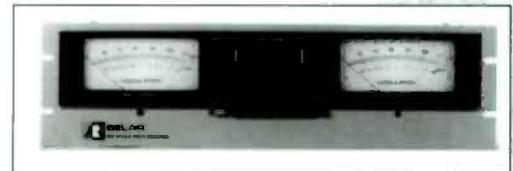
The Delta SM-1 Splatler Monitor measures the level of splatter or any other spurious emissions which fall between 11 kHz and 100 kHz away from both sides of the carrier. While normally installed in an equipment rack and fed with the transmitter or

common point RF sample, it also operates in the field from a twelve volt DC source fed by an optional active antenna. This portability is very useful for investigating interference complaints.

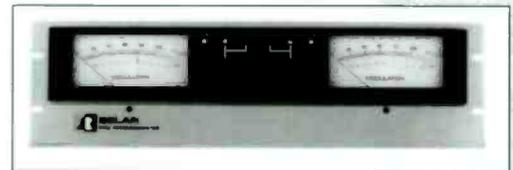
SM-1	AM splatter monitor	\$2,905.00
AWA-1	Active whip antenna	\$ 570.00
PH-1	Peak hold option	\$ 410.00
SA-1	Spectrum analyzer filter	\$ 410.00

BELAR

DELTA



Modulation Monitor



Program Monitor



Wizard

DELTA SNG-1



The Delta Electronics SNG-1 stereo noise generator is designed to meet the requirements of NRSC-1 and -2 standards for testing AM stereo and mono radio transmission facilities.

SNG-1		\$635.00
RMK-1	Rack mount kit	\$163.00



MODULATION MONITORS

MODULATION SCIENCES MODMINDER



Modulation Sciences' ModMinder's™ user-selectable response allows you to adjust processing for maximum legal modulation. The optional DeMod board gives you MSI's Modulation Assurance with accuracy of $\pm 1\%$. ModMinder is compatible with analog remote control systems and operates by modem from any PC. The remote software package analyzes modulation to give you complete information about any FM signal's density, loudness and competitive characteristics.

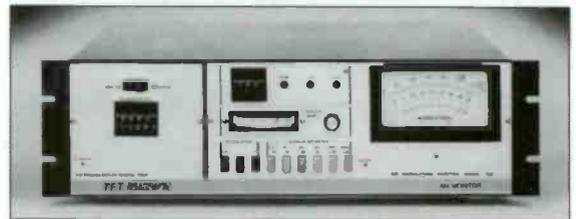
FMMM-1	ModMinder	\$ 2,395.00
FMMM-2	ModMinder with DeMod	\$ 3,090.00
FMMM-4	DeMod card upgrade	\$ 725.00

QEI FM AUTOMOD

"AUTOMOD" works in conjunction with the station's modulation monitor to provide "closed-loop" automatic control of peak modulation. The actual demodulated output of the transmitter as read by the modulation monitor's peak flasher is used to control the composite input level to the transmitter's exciter or STL chain. This means that the peak modulation level is precisely controlled by the instrument that is actually measuring it! This control is accomplished without artifacts or "coloring" of the station's processed signal. QEI has had this technique available in the model 695 "transparent plus" exciter for many years. This is the first time that it is available in a stand alone unit.

AUTOMOD	\$1,295.00
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TFT 753



The TFT 753 is an AM modulation monitor which permits extremely accurate proof-of-performance measurements. The 753 is designed for direct transmitter connection although you can use it off air by adding the 755A tunable preselector module. The 753 has a one year manufacturer's warranty.

Model 753	AM modulation monitor	\$ 1,760.00
Option 02	Carrier power alarm	\$ 110.00
Option 05	Absence of modulation alarm	\$ 345.00
Model 755A	AM RF preselector (tunes in 1kHz steps)	\$ 1,850.00
Option 04	Spare parts kit	\$ 360.00
Model 704E	Remote meter and peak flasher	\$ 580.00

QEI 691



The QEI 691 is a complete proof-of-performance instrument for FM mono, stereo, and SCA measurements. It has a one year manufacturer's warranty on all parts and labor.

691	FM modulation monitor/test set	\$5,875.00
691/01	Same as above with SCA (specify frequency)	\$6,875.00
691/02	Same as above with dual SCA (specify frequency)	\$7,100.00

TFT 844A



The TFT 844A is an FM stereo mod monitor that has a frequency agile RF pre-selector, baseband demodulator and stereo demodulator. The 844A can be used for off-air monitoring or direct transmitter proof measurements. This monitor can be used for complete measurements of total, right and left channel modulation, channel separation, main

and sub channel crosstalk, L+R, L-R, 38kHz carrier suppression and pilot injection level. All measurements can be made with front panel pushbuttons and meter, and a scope can be fed from BNC connectors. Front panel modulation calibration is possible within $\pm 2\%$. The preselector has two digitally tunable RF preselectors to let you switch between FM stations. The 844A has a one year manufacturer's warranty.

Model 844A	FM baseband/stereo mod monitor	\$ 5,150.00
Option 02	Spare parts kit	\$ 575.00
Model B04	Remote meter and flasher	\$ 610.00
RDS/MBS	RDS/MBS in place of 38kHz level	\$ 330.00

TFT 884



The TFT 884 is a cost effective alternative to the 844A. All proof measurements can be made along with incidental and residual synchronous and asynchronous AM noise. It includes a convenient front panel test output. The 884 has a one year manufacturer's warranty.

Model 884	FM baseband stereo mod monitor	\$ 3,765.00
Option 01	Spare parts kit	\$ 425.00
RDS/MBS	RDS/MBS level option	\$ 330.00

MODULATION MONITORS



TFT 845

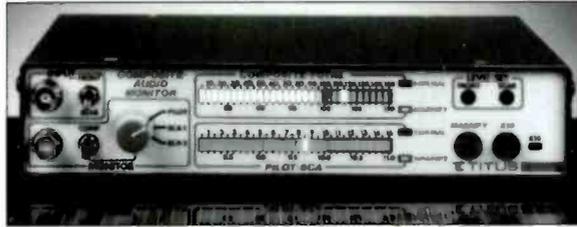


The TFT 845 is an FM SCA monitor with up to three front panel selectable subcarrier frequencies. The 845

can be used to make SCA proof measurements and with one or two optional service channel boards it can provide uninterrupted SCA program or data output(s) separate from the monitor portion. It includes a loss of modulation alarm and a built-in modulation calibrator. The 845 has a one year manufacturer's warranty.

Model 845	3 ch. SCA monitor, 67kHz supplied std.	\$2,735.00
Option 01	RF module preselector (specify frequency)	\$ 910.00
Option 02	Additional SCA freq. (41kHz) components	\$ 145.00
Option 03	Additional SCA freq. (92kHz) components	\$ 145.00
Option 04	Spare parts kit	\$ 295.00
Option 05	Service ch. module max 2 (specify frequency)	\$ 315.00
Model 805	Remote meter and flasher	\$ 610.00

TITUS COMPOSITE AUDIO MON.



The Titus composite audio monitor accurately meters and monitors a stations composite stereo signal. The Composite Audio monitor has balanced bridging, floating inputs on the front and rear (the rear "loops through"). There is also a scope output on the front that provides a semi-demodulated signal as well as digitally filtered outputs for pilot and SCAs. The composite meter has a scale of 0-150% and has peak hold above 100% to measure high transients or composite clipping. There are provisions for two SCA channels.

CAM	Composite audio monitor	\$ 750.00
SF	SCA filters (specify center frequency)	\$ 50.00
SRM	Single rack mount	\$ 25.00
DRM	Dual rack mount	\$ 22.00

TFT

TITUS

BELAR

MODULATION SCIENCES

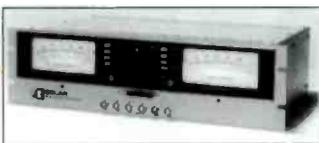
BELAR TV TVM-101/VM-200



The Belar TVM-101 precision wide-band aural monitor is designed to measure the total modulation characteristics of mono and multi-channel television transmitters. It conforms with EIA/BTSC standards. At proof time it can be used as a low-noise, low-distortion main channel demodulator for driving audio monitor amplifiers and distortion analyzers. Wide band

composite outputs are provided for Stereo, SAP, PRO and SCA monitors. The TVM-100 adds a quasi-parallel detection mode and a digital front-panel voltmeter for direct reading of kHz deviation.

TVM-101	Specify channel or frequency	\$3,550.00
TVM-100	Specify channel or frequency	\$4,550.00
Option 01	SAP & PRO injection board	\$ 525.00
Option 02	Pre-Amp, internal module	\$ 475.00
Option 03	Peak weighting module, 5 time constants plus FCC mode	\$ 395.00
MP-11	Remote meter panel for TVM-100 or TVM-101	\$ 220.00



The Belar TVM-200 TV stereo modulation monitor system consists of two units. The TVM-210 reference monitor is designed to operate in conjunction with the Belar TVM-100/101 TV aural monitor or other precision wide band demodulators. The TVM-220 BTSC program monitor, is used with the TVM-210 and the TVM-100/101, to provide full time monitoring of L + R and composite signal modulation levels, and includes selectable peak indicators along with fixed 100% peak modulation indicators.

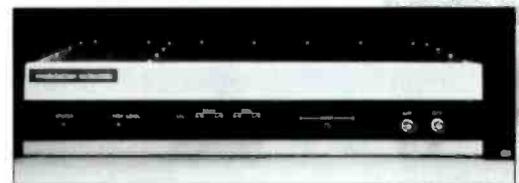
TVM-210	Includes BTSC stereo decoder	\$4,290.00
TVM-220	Full time monitoring of L+R composite	\$1,390.00
MP-12	Remote meter panel for TVM-220	\$ 290.00
TVM-200	System of TVM-210 and TVM-220	\$5,550.00
TVM-2A	TV digital frequency monitor, VHF (measures aural, visual and intercarrier)	\$3,300.00
TVM-3A	TV digital frequency monitor, UHF (measures aural, visual and intercarrier)	\$3,800.00
RFA-3	TV RF amplifier, specify frequency (for use with TVM-1, TVM-2A, & TVM-3 ONLY)	\$ 900.00

MODULATION SCIENCES TV TEST & MONITOR EQUIP.



TV ModMinder Modulation Status Panel works with any wideband precision demodulator (such as the Tektronix 1450-1). Gives continuous display of key MTS parameters - total modulation percentage with peak flasher, status and injection levels of subcarriers. Autoranging. Far more accurate and less expensive than traditional modulation monitors.

TVMM-1	TV ModMinder, modulation status panel	\$3,295.00
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The Stereo Reference Decoder is the industry standard TV stereo decoder for critical measurements. Certified compliance to BTSC standards. Compatible with all stereo generators. Operates with the Tektronix 1450-1 demodulator. Precision and balanced line outputs provided.

SRD-1	Stereo reference decoder	\$5,250.00
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CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



STL

MARTI



A Marti discrete STL system will give you a noise floor near -80dB with equal stereo separation.

Twelve volt battery operation is possible with the APS-28/18 power supply. Marti offers a two year limited warranty.

STL-10	Transmitter, specify frequency	\$ 1,645.00
R-10	Receiver, specify frequency	\$ 1,645.00
APS-28/18	Power supply for battery operation	\$ 65.00
ARS-2	Receiver switcher, specify frequency	\$ 650.00
ATS-15E	Transmitter switcher, specify frequency	\$ 750.00

MARTI

MOSELEY

QEI

MARTI STL-15C/R-15C



The Marti STL-15C transmitter and the companion R-15C receiver form a high quality frequency synthesized, radio communications link. Systems are available in frequency bands from 140 MHz to 960 MHz. Depending upon the available channel bandwidth, the systems

can transmit one of the following: Composite FM stereo with two subcarriers; Monophonic audio with two subcarriers; Digital stereo audio (requires external modems); Multi-channel audio or data (requires external MUX); and Digital data (requires external modems). Complex systems can be built from basic STL-15C transmitters and R-15C receivers having multiple relay (repeaters), bi-directional (full duplex), and automatic switching hot standby features. It comes with a two year limited warranty.

STL-15C	Composite transmitter	\$3,500.00
R-15C	Composite receiver	\$3,500.00
Package 62	STL-15C and R-15C	\$6,495.00

MOSELEY



The Moseley PCL 6000 is a digital ready STL that can operate in either analog or digital, and monaural or composite modes. Both the transmitter and receivers use a synthesized reference oscillator. Two systems can be employed in a dual discrete configuration to transmit right and left stereo programs with no measurable crosstalk. The main determining factor in deciding which receiver is best suited to your application is the amount of aural STL activity in your area. Moseley provides a two year warranty.

PCL 6010	Transmitter, specify frequency	\$ 4,000.00
PCL 6020	Receiver, specify frequency	\$ 4,250.00
PCL 6030	Receiver, specify frequency	\$ 5,250.00
PCL 6060	Receiver, specify frequency	\$ 5,950.00
Extended Baseband	92kHz SCA in baseband, ordered w/receiver	No charge
Extended Baseband	When ordered separately	Call
TPT-2	Transmitter transfer panel	\$ 1,350.00
TBD-800-2	For coupling two transmitters to one antenna	\$ 2,080.00
PD-1000	For coupling two receivers from one antenna	\$ 350.00
ICU-1D	Isocoupler 800-1000MHz	\$ 495.00

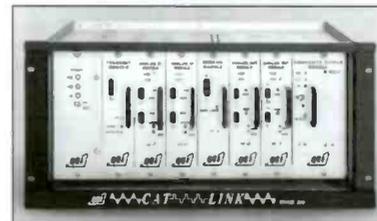
MOSELEY



The Moseley DSP 6000 Digital Transmission System can be interfaced to PCL 6000 and with a digital ready kit the 606 composite system. With the DSP 6000 in multiple hops, the last hop is as good as the first. Full SNR is delivered down to the digital threshold. When used with the optional built-in digital stereo generator, composite stereo can be delivered directly to the FM exciter. The DSP 6000 also has a direct digital input for future digital interconnection.

DSP 6000E1	One audio and one data channel encoder	\$2,495.00
DSP 6000D1	One audio and one data channel decoder	\$2,495.00
DSP 6000E2	Two audio and one data channel encoder	\$2,995.00
DSP 6000D2	Two audio and one data channel decoder	\$2,995.00
DSP 6000E3	Three audio and two data channel encoder	\$4,230.00
DSP 6000D3	Three audio and two data channel decoder	\$4,230.00
DSP 6000E4	Four audio and two data channel encoder	\$4,950.00
DSP 6000D4	Four audio and two data channel decoder	\$4,950.00
DSP 6000ER	Digital repeater encoder	\$2,295.00
DSP 6000DR	Digital repeater decoder	\$2,295.00
DSP 6000SG	Digital stereo generator for decoder	\$1,495.00
DSP 6000/PCL 6020	System including DSP 6000E2/D2 with PCL 6010TX/6020RX	\$12,995.00
DSP 6000/PCL 6030	Same as above with the 6030RX	\$13,995.00
DSP 6000/PCL 6060	Same as above with the 6060RX	\$15,940.00

QEI CAT-LINK



The QEI Cat-Link digital STL/TSL consists of studio and transmitter rack mount units, each with room for up to seven modules. Input and output modules encode or decode the

composite and auxiliary channels, using linear-phase FIR filters, a 70 MIPS DSP engine with 24 bit accuracy and no audible delay.

Please call Broadcasters General Store for information and pricing.



RE AMERICA RE8720/8730



The RE 8720/8730 was engineered especially for metallic copper pairs. The 15kHz Tie Line stereo digital audio codec offers a 384 kbit/s per

channel digital data signal at a 2:1 compression ratio. Tie Line codecs are used for STL's, long in-house or on campus copper runs, links to microwave STL's located near, but not at the studio and other applications with distance requirements of less than 6 miles. With automatic line equalization and error correction, the RE Tie Line codec will be a robust part of the digital transmission chain. Check for Telco DC (dry copper) pairs availability in your area. Easy set up with standard XLR connectors for analog and digital ports. (>4ms overall delay, variable clipping level, 600 or 10k Ω inputs, 600 Ω outputs, signal to noise <83 dB referenced to +15 dBm). 1200 baud data channel available as an option.

RE 8720	15 kHz tie line stereo/ dual mono encoder	\$2,860.00
RE 8730	15 kHz tie line stereo/ dual mono decoder	\$3,665.00
RE 8721	15 kHz tie line mono encoder	\$2,265.00
RE 8731	15 kHz tie line mono decoder	\$3,010.00

RE AMERICA RE880



The RE 8800 sound interface unit utilizes international CCITT G.722 standard algorithm for 7.5 kHz audio transmission on ISDN telco networks or dedicated 64 kbit/s/fractional T-1 applications. A single IU subrack can contain two duplex channels or a mix of encoders and decoders. Supports three modes of operation; 64 kbit/s audio resolution, 56 kbit/s audio plus up to 4800 baud data or 48 kbit/s audio plus up to 9600 baud data. Used for remotes, international transmission or reception, satellite audio source, point to point, and point to multi-point transmission. (X.21 interface to CSU/DSU terminals, <6.5ms overall delay, variable clipping level, 600 or 12k Ω inputs, 600 or >120 Ω outputs, signal to noise <78 dB referenced to +15 dBm).

RE 800-80	SIU G.722 subrack, holds four modules	\$ 910.00
RE 880-02	SIU G.722 encoder module	\$ 1,015.00
RE 881-02	SIU G.722 decoder module	\$ 855.00
Blank Panels		N/C

RE AMERICA

TFT

SEE PAGE 146
FOR TELOS
ZEPHYR

RE AMERICA RE660/661 MUSICAM



The RE 660/661 MUSICAM MPEG 2,2A audio codec is a full featured digital audio codec. For operation on digital networks from 56 kbit/s to 384 kbit/s, the RE 660/661 MUSICAM audio codec features AES/EBU/SPDIF digital inputs, automatic network bit rate detection, selectable internal clock for use on satellite networks, simplified operation for reduced operator error, Stereo, Joint Stereo, Mono or Dual Mono settings, selectable sample rates, two times X.21, V.35 and RS-422 network interfaces, RS-232 data channel to 9600 baud, selectable input/output impedance, split rate or redundant operation of two times 56 or 64 kbit/s. Used on switched 56/64, ISDN, switched 384, fractional T-1 networks or satellite for RPU, backup STL, concerts, international events and more.

RE 660	MUSICAM encoder	\$3,795.00
RE 661	MUSICAM decoder	\$2,595.00

RE America RE662/663 MUSICAM ISO-MPEG 2,2A Audio Codec

The RE 662/663 has all of the same features found in the RE 660/661 codec plus a built-in ISDN terminal adapter version (to be available in late 1993) for up to three times BRI or six times 64 kbit/s (384) operation on ISDN circuits or Switched 56 services.

RE 662	ISDN MUSICAM encoder (avail. early 1994)	TBA
RE 663	ISDN MUSICAM decoder (avail. early 1994)	TBA

TFT AURAL STUDIO TO TRANSMITTER LINK



TFT can provide Aural STL's for any market size in discrete mono or composite operation. All transmitters are frequency synthesized. Receivers are crystal-controlled triple conversion Superheterodyne design and have built-in automatic switch over. TFT STL's have a 2 year warranty. Please specify frequency when ordering.

9100A	Composite transmitter	\$ 3,725.00
9107	Composite receiver	\$ 3,385.00
Option 15	Stereo decoder module	\$ 425.00
Option 16	Extended baseband response for 92kHz SCA	\$ 495.00
Option 24	SCA decoder board, specify audio or subcarrier output freq.	\$ 300.00
Option 25	SCA generator board, specify audio or subcarrier output freq.	\$ 300.00
7770	Automatic transmitter changeover unit, for hot standby with two STL transmitters, power combiner not required	\$ 1,090.00

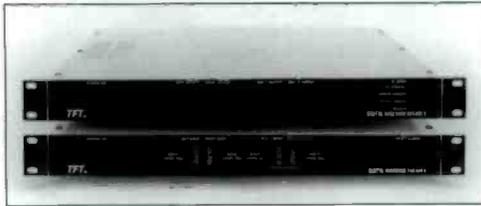


STL

TFT

TPL

TFT DMM92 DIGITAL STL



The TFT DMM92 spectrally efficient Digital STL Modem and Multiplexer can be used on all STL bands with no modification of existing equipment. This system only requires 75kHz of STL baseband signal and 250kHz of RF bandwidth for L & R audio, two SCA's and an RS-232 channel. A four times 15kHz version, the DMM92-100, requires only 100kHz of baseband. There is no adjacent channel interference in congested RF environments and it's compatible with all digital audio compression algorithms.

DMM92-E-75	Encoder, 416kbps transmission rate, w/one 2 x 15kHz analog, APT-x encoder card	\$ 2,500.00
DMM92-D-75	Decoder, 416kbps transmission rate, w/one 2 x 15kHz analog, APT-x decoder card	\$ 3,350.00
Option 01	Dual card, 2 x 7.5kHz encoder for DMM92-E-75	\$ 850.00
Option 02	Dual card, 2 x 7.5kHz decoder for DMM92-D-75	\$ 1,100.00
Option 03	Dual 3kHz / RS-232 encoder	\$ 645.00
Option 04	Dual 3kHz / RS-232 decoder	\$ 855.00
DMM92-E-100	Encoder, 544kbps transmission rate, w/two 2 x 15kHz analog, APT-x encoder cards for total of 4 x 15kHz channels	\$ 3,500.00
DMM92-D-100	Decoder, 544kbps transmission rate, w/two 2 x 15kHz analog, APT-x decoder cards for total of 4 x 15kHz channels	\$ 4,550.00
Option 03	Dual 3kHz / RS-232 encoder	\$ 645.00
Option 04	Dual 3kHz / RS-232 decoder	\$ 855.00

TFT 8300 COMPOSITE STL SYSTEM



The TFT 8300 is designed for the major market's RF signal environment where it becomes increasingly difficult to operate composite STL's due to spectrum congestion. It has components such as S.A.W. filters, low noise RF front end, variable bandwidth IF amplifiers and cast aluminum RF shielded housings for critical circuits.

8300 System	Composite transmitter and receiver	\$ 10,460.00
Option 15	Stereo decoder module	\$ 425.00
Option 16	Extended baseband response for 92kHz SCA	\$ 495.00
Option 22A	IF repeater option for 8300 transmitter	\$ 730.00
Option 22B	IF repeater option for 8301B receiver	\$ 790.00

TPL BASE STATION/REPEATER AMPLIFIERS



RF Option

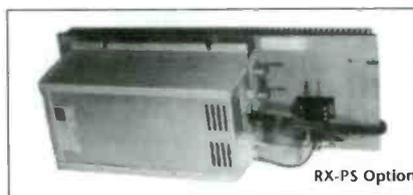


RX Option

Rated for Continuous Duty

VHF High Band (136 to 175MHz)	Power In	Nominal Power Out	Price
PA3-1FD-RXPS (w/power supply)*	15-30W	70-90W	\$ 980.00
PA3-1FE-RXPS (w/power supply)*	15-40W	80-120W	\$ 1,078.00
800MHz (806 to 960MHz)			
PA8-1DD-RFPS (w/power supply)*	5-15W	70-90W	\$ 1,994.00
PA8-1FD-RFPS (w/power supply)*	20-40W	70-90W	\$ 1,839.00

* Denotes power supply w/110VAC only. For 220VAC on an RXPS or RFPS option add \$80.00.



RX-PS Option



MODULATION SCIENCES



Modulation Sciences APRO-GEN PRO Sidekick™ Audio Generator produces PRO channel on your TV aural signal. A complete, self-contained PRO Channel Generator. Operates on mono or stereo TV aural transmitters. Use with PRO-1 PROceiver to place your IFB or cueing signals within reach of your remote vehicles without the use of cellular phones.

APRO-GEN	PRO Sidekick™ PRO audio generator	\$ 3,990.00
DPRO-GEN	PRO Data Sidekick™ PRO data generator	\$ 5,040.00



The TV Sidekick™ has a sync-lockable subcarrier generator, dbx noise reduction encoding, audio processing, and a peak deviation meter all in one box. A wideband noise source and AM detector are also provided.

TSCA-189	TV Sidekick™ SAP generator	\$ 4,800.00
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PROceiver™ will greatly reduce or eliminate your dependence on cellular telephone connections for cueing and IFB information in ENG or remote activities. It contains a quartz-synthesized stand alone FM tuner which is completely independent of the visual carrier. A SAW filter protects the signal from video interference. On board noise reduction greatly enhances signal-to-noise performance. The Antenna Diversity option allows the PROceiver to operate reliably under severe multipath conditions. The optional 12/28 VDC kit lets you use PROceiver anywhere.

PRO-1	PRO channel receiver w/antenna diversity	\$ 1,745.00
PRO-1ND	PRO channel receiver without antenna diversity	\$ 1,445.00
AD-1	Antenna diversity kit for above	\$ 375.00
PS-1	12/28 VDC adaptor kit for above	TBA

See more Modulation Science and CRL TV SCA's on page 86.

MODULATION SCIENCES

CRL

MARTI

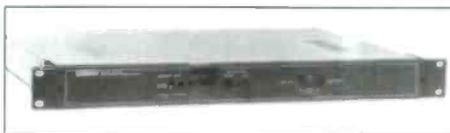
CRL SCA-300B



The CRL SCA-300B is a digitally synthesized subcarrier generator with integral two-band audio limiter. The SCA-300B subcarrier frequency is user-selectable from 40 to 110 kHz. Either voice or data can be transmitted; two direct data input ports are provided. Also, the SCA-300B can be fully remote-controlled.

SCA-300B	\$2,050.00
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MARTI SCD-10



The Marti SCG-10 subcarrier generator is designed to operate in SCA service with an FM transmitter or with an SCD-10 subcarrier demodulator to form a subcarrier link on a microwave (STL) system. It has selectable pre and de-emphasis of 0, 75, 150 or 225 microseconds and low pass audio filters of 3, 5, or 7kHz.

SCG-10	\$695.00
SCD-10	\$695.00

MODULATION SCIENCES



Modulation Sciences Sidekick with audio processing especially designed for SCA, and Data Sidekick have everything you need — loop-through composite connections for easy installation, remote control provisions, crystal-locked synthesizer tuning, a super-accurate peak/hold SCA deviation meter, a noise generator and synchronous AM meter so you can tune the transmitter for minimum crosstalk. Data Sidekick's direct FM modulation technique is specifically designed for maximum reliability and throughput over the SCA subcarrier.

SCA-186	Specify frequency	\$3,835.00
DSCA-188	Data SideKick, specify frequency	\$5,040.00

RBDS



MODULATION SCIENCES RDS-1 SYSTEM



Modulation Sciences' approach to RDS gives you all the functions of the U.S. RBDS standard for a fraction of the cost of dedicated hardware. MSI provides a PC board and software to turn your 286 or better PC into a full RDS Coder. Easy to understand menus guide you through RDS setup. The text and format information can be changed at any time, either manually or by a unique format clock. Remote software is included.

RDS-1	RDS system generator & software	\$1,750.0
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CRL SC-100



The CRL SC-100 RBDS Generator full digital DSP design has full RBDS specification capability which can be operated from front panel keyboard or by an external computer.

SC-100	\$3,395.00
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MODULATION SCIENCES

CRL



RBDS

RE AMERICA - RADIO BROADCAST DATA SYSTEM PRODUCTS

RE AMERICA



RE America RE533 RDS/RBDS CODER

The RE533 slim profile RDS/RBDS Coder is a 1U enclosure that is designed to give FM broadcasters all current American RBDS services. Sixteen data records can be created and stored in non-volatile memory with the Included PC control program which can be down-loaded via rear panel RS232 port. Front panel Indicators monitor status of operation while recessed level and phase controls offer a high degree of security. Firmware is updateable through future software.

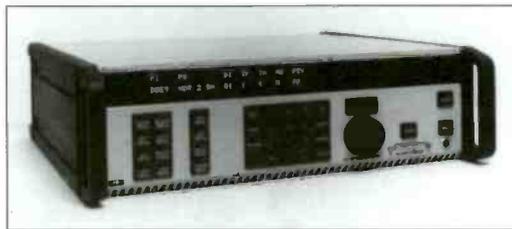
RE533	RDS/RBDS coder	\$2,415.00
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RE America RE532 RDS/RBDS ENCODER

The RE532 encoder provides five secured data ports for multiple auxiliary usage of the RBDS subcarrier including paging and DGPS. It operates all specifications of RDS and RBDS standards with front panel control, PC control software, a backlit LDC display, and is controllable via modem. The 532 provides two discrete pilot sync inputs for main and back-up transmitters and stores 16 records in a non-volatile memory. Playlist software can communicate to the RE 532 via RS 232 port and RE open command language for automatic song, title and artist, traffic announcement and EBS transmissions.

RE532	RDS/RBDS encoder	\$3,800.00
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RE America RE331 RDS/RBDS DECODER - Desktop Version w/Keyboard & Display
Monitoring RDS/RBDS data is serious business with the RE331 decoder. All RBDS/RDS group data is displayed in clear text, whether it be raw data or group form. By adding the optional RF & scanner boards you'll complete this unit for off-air data system inspection, storage and comparison charting. A PC control program is included.

RE331	RDS/RBDS decoder	\$11,800.00
RF	Scanner board	\$1,785.00



SATELLITE

AVCOM



AVCOM's SCPC-2000E receives FM SCPC signals in the 3.7 to 4.2GHz band. It can tune up to 4 specific crystal controlled audio or data channels from a given transponder with a choice of 1:2 or 1:3 expansion and 0, 25, 50, or 75 micro-second de-emphasis. Available in either wide band or narrow band models with optional circuitry available to allow up to 8 crystals for channel selection. The SCPC-2000E may be used with the SS-1000 slave for simultaneous reception of additional channels. Other features include selectable low pass 15, 7.5, or 5KHz audio filters and an on-board output driver stage for low impedance headphones.

SCPC-2000E	High stability SCPC demodulator and downconverter	\$1,875.00
SS-1000	SCPC audio demodulator, crystal controlled	\$1,027.00
SCPC-3000E	Frequency agile synthesized demodulator w/selectable expansion de-emphasis and low pass filters	\$1,378.00

COMTECH 3.0 & 3.8 METER



Comtech's 3.0 and 3.8 meter antennas keep installation costs down with a single pole mount and three-piece reflector design. The use of Comtech's unique splice-strap system yields a superior surface tolerance. The 3.8 meter has a gain of 42.9dB, ideal for SMATV, radio SCPC and Cable TV applications. The El/Az mount permits 360° azimuth adjustment without costly foundation alignment. The elevation jack provides smooth elevation adjustment from 0 to 70°. The polar-mounted system

can be selected in either manual or motorized versions. It tracks the arc with just one adjustment. The motorized version comes with its own control system. Comtech's 3.8 meter is also available in a low-profile transportable version supplied ready to roll.

		3 M	3.8 M
EL/AZ	Single polarization manual feed	\$2,640.00	\$2,960.00
G2	Dual polarization manual feed	\$2,630.00	\$3,125.00
EL/AZ	Single polarization motorized feed & EC1 control	\$3,255.00	\$3,840.00
G5/PM	Dual polarization motorized feed & EC5A control	\$6,120.00	\$6,655.00

Also available 2.4M, 5.0M, 3.5M, OFFSAT, 7.3M and EC6 antenna controller. Call for more details.

AVCOM

COMTECH



HENRY ENGINEERING NET COMMANDER



The Henry Net Commander allows you to pre-program the stop-set breaks you'll be using each hour in a satellite format. There is a selectable "Break/Bypass" switch for each stop-set in the format-hour. It will mute and unmute the network audio and start and stop the commercial spots or bypass that stop-set. The Net Commander provides the control you need to accommodate a changing spot load, without the expense of an automation system.

Net Commander	\$695.00
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WEGENER 1800 SERIES

- Low-cost Audio and/or Data - Point to Multi-point Applications
- Full Addressability - Up to 256,000 Addresses
- Flexible - Appropriate for Audio, Data, or Both
- Fully Compatible - FM or Video Subcarrier Operation

Call for Configuration and Pricing

WEGENER 1600 SERIES

Wegener series 1600 audio transmission products provide a transparent means of transporting auxiliary audio via STL. Wegener's spectrum efficient subcarrier products utilize unused baseband frequency spectrum to transmit multichannel sound and auxiliary audio or data without video degradation. The Wegener modular package provides a flexible, cost effective means of upgrading a microwave system for additional channels.

Series 1600 Mainframes	\$ 595.00
Series 1657 PANDA II Audio Processor	\$ 750.00
Series 1677 Frequency Agile Subcarrier Modulator	\$ 1,125.00
Series 1610 PANDA Audio Demodulator	\$ 795.00
Series 1685 Video Roofing Filter	\$ 900.00
Model 1642-03 Dual Squelch/Alarm Module	\$ 310.00
Model 1681 Alarm Module	\$ 660.00

KLARK-TEKNIK DN726



The Klark-Teknik DN726 is designed primarily for the synchronization of stereo audio signals with video signals which are transmitted via up/down satellite links. The DN726 features 16 bit linear A to D conversion offering sonically pure performance at 20Hz-20kHz bandwidth, and a dynamic range in excess of 90dB. Delay length is easy to set via front panel controls, and is confirmed by a four digit display. A control lockout is incorporated to safeguard against accidental operation. Instant bypass of the unit is facilitated by a front panel toggle switch. It has active balanced XLR inputs and unbalanced outputs.

DN726	Stereo delay for satellite broadcast	\$ 2,995.00
BU37	Optional plug in output transformer, factory inst.	\$ 75.00
BN37	Optional input transformer, factory installation	\$ 95.00

HENRY ENGINEERING

KLARK-TEKNIK

WEGENER

AUTOMATION



RODMAN/BROWN

The Desk Jockey was designed to be the easiest to use, most reliable, and affordable, digital automation system available. The Desk Jockey stores your commercials, PSA's, liners, ID's, and jingles on an Industrial duty hard drive. They are then played back in automation, live assist, or satellite mode. With the optional CD interface, the Desk Jockey can run virtually any format, any time! Every Desk Jockey comes with free installation, training, and 24 hour tech support for a year. The PC itself is not a home or office computer, but a commercial grade PC built to run flawlessly in unforgiving environments. Features include simultaneous record/play, 14 day walkaway time, VU metering on-screen, traffic interfacing, and 1 year warranty. Live assist and satellite interfaces with a four source switcher are included at no extra charge! Options include a CD player interface, a second keyboard and monitor, or transmitter remote control. Additional hard drive storage, disk mirroring and backup and other options are available.

DESK JOCKEY	Including installation, training & tech support for a year, satellite interface, uninterrupted power supply, 7 hour stereo audio storage & printer	\$14,995.00
CD Interface and software		\$ 2,995.00
Second monitor and keyboard (color VGA)		\$ 898.00
(Monochrome VGA)		\$ 649.00

RODMAN/BROWN





AUTOMATION

ESE

CONEX

SENTRY SYSTEMS

ZERCOM

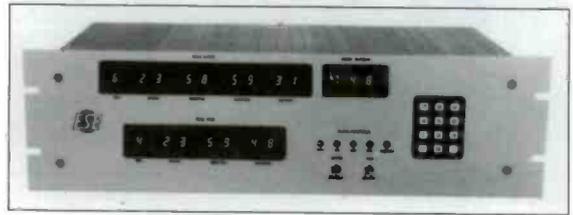
ESE 750 SERIES



The ESE 750E Series of thumbwheel programmer/comparators is both economical and easy to use when programming 1 or 2 output events. A thumbwheel switch is set to compare the time information from an ESE clock or timer. Output occurs each time the switch setting agrees with the time display.

ES 750E	6-digit 12-hour clock with one 6-digit comparator	\$382.00
ES 751E	6-digit 24-hour clock with one 6-digit comparator	\$382.00
ES 753E	6-digit 12-hour clock with two 4-digit (hr. & min.) comparator	\$457.00
ES 754E	6-digit 24-hour clock with two 4-digit (hr. & min.) comparator	\$457.00
ES 756E	4-digit 60-minute timer with one 4-digit comparator	\$376.00
ES 758E	4-digit 60-minute timer with two 4-digit comparator	\$475.00
ES 760E	ES 754E with battery/charger and parallel BCD output	\$753.00

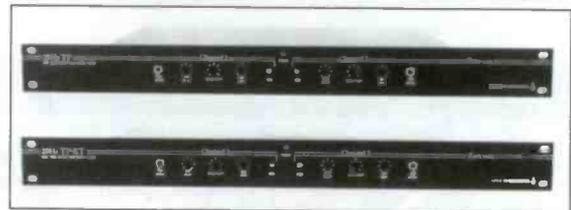
ESE 790 SERIES



The ESE 790 is a sophisticated 32-channel clock featuring microprocessor-based programmability. 1,000 time events can be programmed at random, rather than chronologically, to occur every minute, hour, day or week. Multiple output channels (up to 32) can be activated simultaneously or individually.

ES 790		\$2,400.00
ES 790/1	With 1 sec./mo. master clock option/serial time code output	\$3,032.00
ES 790/3	With 3 sec./mo. master clock option/serial time code output	\$2,867.00

ZERCOM 25Hz TONE PROCESSOR



Zercom's dual 25Hz detector and dual program amplifier/25Hz notch filter. It will accurately detect tones and remove them from the programming. Inputs and outputs are active balanced and logic outputs are "C" contact relays to interface with anything.

25Hz	Tone Processor	\$390.00
25Hz	Tone Processor-XT, transformer balanced outputs	\$460.00

CONEX CS-25B Hz TONE SENSOR



The Conex CS-25B is a compact and modular 25 Hz tone sensor for use in broadcast automation, tape control, or remote signalling systems. The sensor detects 25 Hz sub-audible tones that typically signal the end of a program selection. The resulting relay contact closures can be used to start the next source and stop the current source. A stereo high-pass filter module is offered as an option to provide absolute protection from program tripped cues.

CS-25B-10		\$ 417.00
CS-25B-11	Above with stereo high pass filter	\$ 502.00
HPF-25	Stereo high pass filter board	\$ 85.00
CS-25B-01	Stereo high pass filter	\$ 305.00
CS-25B-20	Quad 25 Hz sensor	\$ 614.00
CS-25B-21	Quad 25 Hz sensor, w/stereo high pass filter	\$ 699.00

SENTRY SYSTEMS FSS 12C AUTOMATION CONTROLLER



The Sentry Systems FSS12C Sentry Systems automation system operates as a live-assist, fully automated or satellite-based device, using almost any source in any combination. The system uses a 100 percent IBM-compatible computer of the user's choice (XT, 286 or 386) and offers simple integration with popular traffic and billing software. It also interfaces with almost any type of audio gear. The switcher handles 12 input sources standard and is expandable. The system offers built-in monitoring through metering and a cue speaker; it also has unlimited walk-away time.

FSS12C

\$5,900.00

CONEX CG-25B 25 Hz TONE GEN.



The Conex 25Hz tone generator has front panel LEDs to indicate the duration of the tone and silence intervals. The CG-25A has plug-in type terminal strips with 600 Ω balanced bridging inputs and can be remotely controlled.

CG-25B	\$ 420.00
Special frequency requests add	\$ 50.00
RMK, Rack mount kit	\$ 27.00

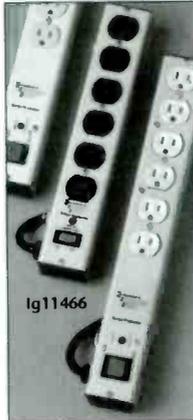


BEST POWER TECHNOLOGY, INC.



Best Power Technology, Inc. has a complete line of power back up and protection products. The Fortress® is a microprocessor-controlled, line-interactive UPS from 360VA to 2KVA. It is small and lightweight, and features a digital display with an intelligent, interactive interface. The Ferrups®, ferroresonant-based, line-interactive UPS from 500VA to 18KVA, offers Artificial Intelligence, full voltage regulation and complete galvanic isolation. The Patriot™ Standby Power Systems with enhanced power protection features; Citadel™ ferroresonant-based power conditioners from 110VA to 18KVA; SpikeFree™, a line of multi-stage surge suppressors; and UBS™, DC power sources that provide extended run times for 48-volt and 120-volt UPS products. Please call Broadcasters General Store for a Best catalog.

INTERMATIC



Intermatic can protect your computers, computer based automation, digital work stations or anything you plug into the wall from transient and surge damage, EMI and RFI. One of these devices is cheap insurance against expensive damage.

IG15TC	Wall mt. phone/fax/modem 6 outlets	\$ 57.95
IG17C	Wall mt. superior EMI/RFI 3 outlets	\$ 54.95
IG11466	Strip full protection EMI/RFI 6 outlets	\$ 69.95
IG2066	Computer grade/superior EMI/RFI 6 outlets	\$ 119.95

ENHANCED INDUSTRIAL GRADE WITH LED'S & FUSES

IG1201EH	2 wire plus ground for 120 VAC single phase, metal enclosure	\$257.00
IG2401EH	3 wire plus ground for 240 VAC single phase, foot-mounted NEMA 12/13 enclosure	\$558.00
IG2083YEH	4 wire plus ground for 120 VAC three phase Wye configuration, foot-mounted NEMA 12/13 enclosure	\$887.00
IG2403DEH	4 wire plus ground for 120/240 three phase High Leg Delta configuration, foot-mounted NEMA 12/13 enclosure	\$887.00
IG4803YEH	4 wire plus ground for 277/480 VAC three phase Wye configuration, foot-mounted NEMA 12/13 enclosure	\$985.00
IG4803DEH	3 wire plus ground for 480 VAC three phase Delta configuration, foot-mounted NEMA 12/13 enclosure	\$985.00

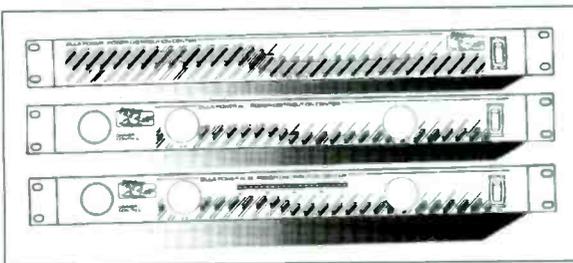
BEST POWER TECHNOLOGY, INC.

INTERMATIC

JUICE GOOSE



JUICE GOOSE



'Zilla 8 is a rack mount, power distribution panel with eight 120 volt power outputs. Ten amps of power (1200 watts) in a stylish black steel chassis.

'Zilla 8L adds two dimmable pull out tubular lights, EMI RFI filtration, surge and spike protection to a 'Zilla 8.

'Zilla 8LM includes a color-coded 20 LED input voltage meter added to 'Zilla 8L.

'Zilla 8	\$ 83.00
'Zilla 8L	\$ 119.00
'Zilla 8LM	\$ 189.00

The Rackpower Series are rack mounted power distribution panels with 120 volt power outputs and 15 amps of power (1800 watts) in all steel chassis with spike protection, and super discriminating EMI RFI filters.



Rackpower 100	Eleven outputs and a connector for Littlite	\$165.00
Rackpower 200	Ten outputs with two dimmable pull out tubular lights and color-coded 20 LED input voltage meter.	\$259.00
Rackpower 300	Ten outputs, includes "star" ground, ground lift and ground fault interrupt features to safely solve ground loop problems. Automatic power drop out relay protects against damaging spikes.	\$299.00



POWER PROTECTION

JUICE GOOSE

JUICE GOOSE



Twelve PAQ replaces "wall wart" external power supplies. 9 or 18 volt AC +9 or 12 Volt DC, all from 6 Microport outputs! Select the output voltage you need for each individual output. Includes 6 low voltage connections plus six 120 Volt outputs with EMI, RFI, spike protection. 1800 watts total.

Twelve PAQ

\$339.00

UNITED POWER

Mark Series full facility line conditioners provide a number of valuable performance features such as voltage reduction, voltage regulation and isolation in a single transformer unit. Mark Series line conditioners are available in a variety of input/output voltage configurations, single or three phase, with power ratings from 4,000 to 100,000 volt-amperes.

Call for quote for your specific need and application.

UNITED POWER



The United Power Electronic Surge Protection (ESP) product line offers a broad range of Transient Voltage Surge Suppression (TVSS) equipment to fill the requirements of virtually any application. Parallel Design (PD) systems are wired either in a simple parallel configuration or modified-series which provides internal through lugs for your connections. Series Design (SD) devices provide the most reliable means of attenuating all surges and transients. For new construction sites the Electronic Distribution Panelboard (EDP) combines the TVSS capabilities of the PD system with the distribution characteristics of an industrial distribution panelboard. The Electronic Distribution Center (EDC) is similar in concept to the EDP with the benefits of multiple distribution panelboards with the TVSS PD protections. The EDC can be equipped with the FOCUS micro-processor based monitoring and diagnostics system.

Call or write Broadcasters General Store for information.

"ESP" modules are the heart of the TVSS product line providing either 30,000 or 60,000 amperes of protection. Their "plug compatibility" creates a safe and cost effective means of changing modules in the field.



REMOTE CONTROLS

EBSCENTRAL COMMAND MODULE

EBSCENTRAL

There are several myths floating around today about EBS participation. First, the notion that EBS participation is "optional" is widely misunderstood. The only thing that is optional about your EBS participation is running the weekly tests. FCC Sections 73.918 and 73.932 require all broadcasters to respond to all national EBS releases, regardless of whether they participate in EBS tests. What this means is that your station must have the ability to originate or repeat necessary EBS information quickly. EBSCentral is designed to give your remote control operators the ability to originate EBS transmissions when they're away from the station. This capability is essential for stations that operate

unattended with automated programming. The best thing about EBSCentral is that it costs less than the fine you'll face if you're caught operating without its capabilities. This cost effectiveness makes EBSCentral the obvious solution for EBS compliance.

EBS-2112	Command Module	\$649.95
EBS-2113	EBS Tone Generator	\$239.95
EBS-2114	Stereo Baseband Interface	\$205.95

GENTNER

GENTNER VRC-2000



The Gentner VRC-2000 provides simple, effective transmitter remote control, 24 hours a day. It offers access by dial-up phone line, radio link, data link or bi-directional audio link. Its synthesized voice response provides an audio interface to the system - punch in touch tones and it talks back to you. You can get complete remote control capability with automatic time-of-day functions, and automatic alarm reporting and correction.

VRC-2000	Includes telephone surge protector	\$ 3,359.00
Package 1	Includes VRC-2000 command relay & 2 screw barrier strips	\$ 3,719.00
Package 2	Same as above including setup VRC-2000 & data interface	\$ 4,189.00
DI	Data interface	\$ 519.00
Setup	Setup VRC-2000 software	\$ 99.00
Modem	2400 bps stand alone Hayes modem	\$ 739.00
SS	Silence sensor	\$ 509.00
DIA	DC isolation amp	\$ 449.00
ACS	AC current sensor	\$ 209.00
TSP/ForC	Temperature sensor unit w/one Fahrenheit or Celsius probe	\$ 299.00
Probe	Temperature probe, Fahrenheit or Celsius	\$ 89.00
CRU	Command relay unit	\$ 679.00
SBS	Screw barrier strip	\$ 199.00
BBU	Battery backup unit	\$ 839.00
UPS	Uninterruptible power supply	\$ 529.00



BURK TECHNOLOGY ARC-16

The ARC-16 is a full time studio control, dial up control or both. The ARC-16 includes 16 analog metering channels, 16 status channels and 16 raise and 16 lower control outputs. The ARC-16 units have 32 character displays with labels and units you have selected for easy calibration and local operation. You decide whether to add studio control, telephone access or both. Communications between site can use dedicated lines, dial up, STL subcarriers, FM SCA or 450 MHz TRL. Subcarrier generators are built in at no extra cost. The ARC-16 system is capable of controlling two transmitter sites from one studio or one transmitter site from two studios. The telemetry links between the sites can be mixed. Full access to all sites is available at any site by pushing a button. Alarm reporting is handled immediately and is displayed at all sites no matter which site is monitored. Please call Broadcasters General Store for system configuration.

BURK TECHNOLOGY

ARC-16	2 unit remote control system, one studio unit, one transmitter unit, one set of modems *	\$ 3,895.00
ARC-16S	Additional Studio unit includes display and modem to connect to existing transmitter or studio unit. * Requires additional modem and two port adapter, for existing unit.	\$ 1,795.00
ARC-16CI	Stand alone system w/computer interface	\$ 2,695.00
ARC-16T	Additional transmitter unit includes 16 channels of status, 16 analog inputs, 16 raise and 16 lower control outputs. * Requires additional modem and two port adapter, for existing unit.	\$ 2,295.00
ARC-16T32	Expansion unit for 32 channels	\$ 2,195.00
ARC-16SA	Stand alone system w/DSU	\$ 2,995.00
TC-8	2 unit remote control system, one studio unit one transmitter unit and one set of modems.*	\$ 2,495.00
AutoPilot™	Automatic transmitter control software	\$ 595.00
ESI	Enhanced digital speech unit for ARC-16's	\$ 895.00
AMI-2	Antenna monitor interface up to 8 towers	\$ 395.00
CI-8	Computer interface for TC-8	\$ 495.00
CI	Computer interface for ARC-16	\$ 195.00
CDL	Computer display, logging software for ARC-16	\$ 295.00
RMSx/y	Radio modem for studio unit **	\$ 200.00
RMTx/y	Radio modem for transmitter unit **	\$ 200.00
SSI-1	Studio Status Indicator for external user supplied indicators for first transmitter site	\$ 250.00
SIO	Studio input/output option provides 8 raise and 8 lower control outputs, 8 analog metering channels, 8 status inputs for controlling and monitoring equipment at the studio site. Two SIO's may be installed for a total of 16 Ch.	\$ 495.00
IP-8	Interface panel 8 metering inputs, 8 status inputs and 8 raise and lower outputs, plus fail safe use at Xmtr. All outputs are isolated with 10AMP relays (form C)	\$ 495.00
TSK-x	Temperature sensor	\$ 299.00
TPA	Two port adapter	\$ 100.00
TP-x	Additional Temperature probe	\$ 89.00
TSU	Digital speech unit for TC-8	\$ 795.00
TSU CI-8	Combination speech/computer unit for TC-8	\$ 1,095.00
LVK-3	Line voltage Kit	\$ 195.00
TLM-2	Tower light monitor	\$ 109.00
TE-2	Transient Eliminator	\$ 95.00
TE-RJ	Dial line Transient Eliminator	\$ 139.00
UPS 300	Powers TC-8 or ARC-16 for one hour	\$ 297.00
UPS 450	Powers TC-8 or ARC-16 for two hours	\$ 525.00
WMS	Wire modem for studio unit	\$ 200.00
WMT	Wire modem for transmitter unit	\$ 200.00
SCA-1	Subcarrier Receiver	\$ 189.00
PL-4	Power line surge protector	\$ 149.00



ARC-16



TC-8



IP-8

* Please specify type of modem, telco, STL, SCA, or TRL and include desired subcarrier frequencies for STL or SCA links. SCA links require SCA receiver to recover telemetry.

**For Radio Modems please specify STL subcarriers, SCA and TRL links. X and y are the output and input subcarrier frequencies respectively. Audio inputs or outputs are specified by substituting zero for x or y.



REMOTE CONTROLS

BELAR AS-1 AUDIO SENTRY

The Belar AS-1 Audio Sentry is an alarm which aurally and visually alerts station personnel of the absence of modulation or carrier. It will react immediately upon loss of carrier. In the case of loss of modulation, the Audio Sentry can be programmed to sound off anywhere between 3 and 60 seconds.

BELAR

MOSELEY

AS-1 \$295.00

SINE SYSTEMS

MOSELEY SYSTEMS MRC-2



The Moseley MRC-2 will control multiple sites from multiple control points. The basic system is one Control Terminal, one stand alone Remote Terminal or one Remote Terminal with Data Acquisition/Command unit. Multiple remote terminals may be added to the system, with each remote terminal designated as a site. A stand alone remote

terminal's maximum configuration could be 64 command lines, 48 status channels and 48 telemetry channels. The MRC-2 can control your AM, FM or TV site individually or all three at once. Many control, data acquisition and expansion options are available. Please call Broadcasters General Store for further information.

MRC 2	Control terminal only	\$4,980.00
MRC 2	Remote terminal only (16 command/16 status/16 analog telemetry channels)	\$7,980.00

SINE SYSTEMS RFC-1/B



The Sine System RFC-1/B is an 8 channel remote control, expandable to 64 channels, with a telephone alarm system that allows it to originate a telephone call to six numbers to report changed telemetry conditions. The RFC-1/B can be programmed with up to eight Action Sequences that can be triggered manually, by telemetry conditions or by its

internal clock/calendar that has non-volatile storage for up to 80 events. It installs quickly, programs easily, is password protected, and can be operated by even the most non-technical of personnel. Each RP-8 relay panel provides eight channels of control and telemetry interface. This means there are 8 telemetry inputs, 8 "on" and 8 "off" control relays per RP-8 panel. With the optional RS-232 adaptor, the RFC-1/B can be converted to serial data operation. The adaptor can be connected to a modem for operation from a remote computer or terminal, or it can be connected to a serial printer with a parallel to serial adapter for automatic logging. Sine Systems recommends the use of an uninterruptible power supply for this system.

RCF-1/B	Remote controller	\$ 1,099.00
RP-8	Relay panel	\$ 399.00
AFS-1	Dual channel audio failsafe	\$ 249.00
RS-232	Serial data adaptor	\$ 299.00
RK-3	Rack mount, 1U will mount up to three	
	RFC-1, AFS-1 or UPS-1	\$ 35.00
TM-1	Temperature monitor module, mounts on RP-8	\$ 29.00
ACM-1	AC current monitor, for tower light monitoring	\$ 99.00
SP-8	Surge protector for telephone line & 8 telemetry channels (required for 1 year warranty coverage of lightning damage)	\$ 129.00
SP-8/TO	Surge protector for 8 channel telemetry only	\$ 89.00
SU-4	Software upgrade kit for earlier RFC-1's	\$ 100.00

MOSELEY MRC 1620

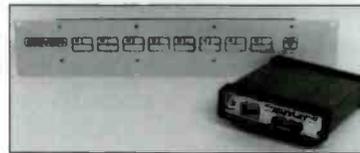


The Moseley MRC 1620 is an intelligent integrated remote control system that has 16 raise and 16 lower command relays, 16 TTL status inputs and 16 analog

metering inputs. The system will automatically log, and can be controlled and interrogated from an optional control terminal or IBM PC with Taskmaster 2.0 software. All status channels are simultaneously displayed on the front panel. The MRC 1620 constantly checks telemetry and status data for each channel against assigned limits and triggers audible and visual alarms for out of tolerance conditions.

MRC 1620	Control terminal, 1 modem, 1 RS232 port	\$ 1,550.00
MRC 1620	Remote terminal, 1 line modem, 1 dial up modem	\$ 3,450.00
Taskmaster 2.0 software for IBM PC or compatible		\$ 595.00
Subcarrier generator module (w/system N/C) separately		\$ 195.00
Subcarrier demod (w/system N/C) separately		\$ 195.00

SINE SYSTEMS DAI-1



The Sine Systems DAI-1 dial-up audio interface is a multipurpose device that allows you to send and receive audio, and control equipment from a remote location using an ordinary telephone. It allows many tasks that formerly required two people, to be accomplished by one person. The DAI-1 can be controlled remotely by

"one key" DTMF commands or locally by the logic-level inputs. There are three permanent programmed command matrices set up for remote broadcasts, EBS, and a remotely operated tape recorder. A fourth matrix comes factory configured for EBS but is entirely user programmable for any purpose the user can devise. In some applications, the DAI-1 can be used by itself, but for a typical EBS installation, a 4PDT relay and four 2PDT relays might be required. The necessary relays could be purchased locally or Sine Systems offers the DAI-RP. This is a 2U panel that includes a rack space for mounting the DAI-1, an interface module that breaks out the flat cable from the DAI-1 to screw terminals, one 4PDT relay, and four 2PDT relays all with screw terminal connections and a 12VDC wall plug power supply. The CI-1 composite interface module is a shielded composite routing device with in/output BNC connectors, internal soft clipper, and insertion level control. The DAI-1 takes 40 milliseconds to mute the audio output whenever a DTMF tone is present. The DB-1 is a remotely bypassable 50-millisecond plug-in delay board to entirely remove DTMF tones from on air audio.

DAI-1	Dial-up audio interface	\$699.00
DAI-RP	Relay panel kit	\$249.00
CI-1	Composite interface module	\$129.00
DB-1	Delay board	\$129.00
RK-3	Rack mount panel, 1U, mount up to 3 DAI-1s	\$ 35.00
PS-12	12 volt/500 ma wall-plug supply	\$ 13.75
IM-20	20 pin screw-terminal interface module w/connector	\$ 56.50

REMOTE CONTROLS



RADIO DESIGN LABS



Radio Design Labs ST-ACR1M audio controlled relay is designed to switch on low-level sources, such as microphones or mic-level sources. The ST-ACR2 is designed to switch on line-level sources with extended release delay. The ST-ACR2 is widely used as a Silence Sense Relay.

	Sensitivity	Release Time	
ST-ARC1	-30dBv to 0dBv	0.5 sec. to 5.0 sec.	\$74.95
ST-ACR1M	-60dBv to 10dBv	0.5 sec. to 5.0 sec.	\$74.95
ST-ACR2	-30dBv to 0dBv	5.0 sec. to 50 sec.	\$74.95
PS-24A	Power Supply, one will power six ACR's		\$13.95

RADIO DESIGN LABS

CLOCKS & COUNTERS



AUTOGRAM



Autograms Autoclock is a real time, count-up timer, with a thermometer that will display temperature highs and lows for the day with the time they occurred. The Autocount is a count up timer/stopwatch.

Autoclock	Specify 100C for console mount or 100D for desk type	\$375.00
Autocount	Specify 200C for console mount or 200D for desk type	\$193.00

CRL



The CRL Real-Time Event Sequencer is a time-based external controller used to automate, or "daypart" the CRL Audio Signature processor. The Event sequencer stores up to 200 events occurring over a seven day clock. The unit can also be used to automate other remote-controllable devices using any of its eight outputs. High accuracy crystal time base and battery backup are standard.

RTES	Real-Time Event Sequencer	\$895.00
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CALCULATED INDUSTRIES



Calculated Industries' Time Master™ is ideal for logging, editing, recording scheduling or any other time related calculation. The Frame Master™ and Frame Master Plus™ do calculations in SMPTE non-drop/drop, frames and real time time code. The Frame Master Plus™ adds frame rates, feet-frames and adjusted running time calculations. All calculators come with a two year battery, carrying case and one year warranty.

3032	Time Master	\$ 69.95
3036	Frame Master	\$ 69.95
3037	Frame Master Plus	\$ 89.95

AUTOGRAM

CALCULATED INDUSTRIES

CRL

ESE

ESE CLOCKS & TIMERS



The ES 362A master up/down timer is a four-digit, 100 minute timer featuring a serial time code output. It will drive as many as 100 remote serial slaves such as ES 361, ES 366, ES 369, or ES 372. Any of the ES 362A's up, down, stop, reset, and preset functions can be activated from a front-mounted switch. The ES 362A performs the same functions as the ES 301AE, with the added speed advantage of a leverwheel used for the pre-set functions.

ES 362A	Master	\$420.00
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The ES 301AE is a four-digit, 100 minute up/down timer featuring six push button control switches. Minutes and seconds can be advanced simultaneously or independently to pre-set count downs.

ES 301A		\$285.00
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The ES 520 is a four-digit, 60 minute timer which has a serial time code output capable of driving 100 slaves.

ES 520		\$179.00
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The ESE ES 112E and the ES 124E are solid state, CMOS, six-digit clocks featuring bright orange LED displays. Three simple controls, fast or slow advance and hold, make setting to the precise second easy.

ES 112E	12 hour format	\$200.00
ES 124E	24 hour format	\$200.00



CLOCKS & COUNTERS

ESE MASTER CLOCKS

ESE Masters provide a means of keeping all time displays in the system in agreement through the use of a serial time code. Only one pair of wires is needed to distribute the time code to all remote serial input displays. An ESE master clock system can operate digital displays, clocks with sweep second hands, printers and tell your computer what time it is. The following clocks have many options available, call Broadcasters General Store for complete literature.

ESE



The ESE ES 180 NBS is a 1U master clock with LED display of hours, minutes, and seconds. It receives and decodes time transmitted by the U.S. National Bureau of Standards. It provides an extremely accurate time reference, and is available with the following outputs: serial time code that drives 100 ES 161E, 166F, 171, 991AE and 993AE remote displays; a 1 pulse per second output; an RS-232C output at 1200 Baud, switchable to other rates; a speaker audio output; and an earphone jack.

ES 180A	Specify time zone	\$ 2,100.00
ES 180STS	RS-232C interface software	\$ 100.00
ES AA1	Active antenna for ES 180A	\$ 175.00

The ESE ES 199 master clock has a crystal accuracy better than 0.5 seconds per month and contains a 10MHz receiver, with audio output, to synchronize with WWV at the push of a button. It comes with an antenna, battery and charger. The serial output will drive 100 ES 161A, 166F, 171, 991AE, or 993AE remote displays.

ES 199		\$ 1,775.00
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The ESE ES 160 and 160/1 master clocks have their own internal timebase and serial BCD, CMOS compatible outputs. Without buffering, they can drive 100 ES 161A, 166F, 171, 991AE or 993AE remote displays. Mounted in a 3U chassis the ES 160 displays six digits of time information on a .4" LED and come with battery and charger.

ES 160	3 second per month accuracy	\$ 1,315.00
ES 160/1	1 second per month accuracy	\$ 1,525.00

The ESE ES 162 impulse driver mounts in the ES 160, ES 160/1 or ES 199 and can driver up to 80 ES 162S impulse clocks with stepping second hand.

ES 162		\$ 245.00
ES 162S	Impulse clock w/stepping second hand, ES 162 required	\$ 190.00



The ESE ES 192A and 194A are micro-based master clocks. They provide the output needed to drive remote serial displays such as the ES 161A, 166F, 171, 991AE or 993AE.

ES 192A	6 digit 12 hour format	\$ 260.00
ES 194A	6 digit 24 hour format	\$ 260.00



The ESE ES 165 impulse clock driver is designed to provide synchronized power to ES 168 impulse clocks. It can drive up to 50 impulse clocks and will keep them running during a 12-hour power failure. For optimum accuracy, the ES 165 should receive either a synchronizing pulse from the 1 PPS output of a master clock or an alternating 12 or 24 volt impulse from an existing impulse clock system. When operated without this pulse accuracy will be questionable.

ES 165	Impulse driver, stand alone or reference master	\$ 231.00
ES 168	Impulse clock w/sweep second hand	\$ 160.00



These are the basic remote displays that receive serial time code from any ESE master clock. They can be configured with numerous options to fit your application.

ES 161A	Six digit .55" orange LED display, specify 12 or 24 hour format	\$ 201.00
ES 167C	Interface board translates parallel BCD into ESE serial time code	\$ 180.00
ES 166F	Six digit .55" LED display, specify 12 or 24 hour format,	\$ 310.00
ES 171	Six digit .4" bright red LED display, console mount	\$ 192.00
ES 991A	Four digit 2" LED display, desk mount serial slave	\$ 395.00
ES 993A	Six digit 2" hr. & min., 1" sec. LED display, slave wall mount	\$ 546.00

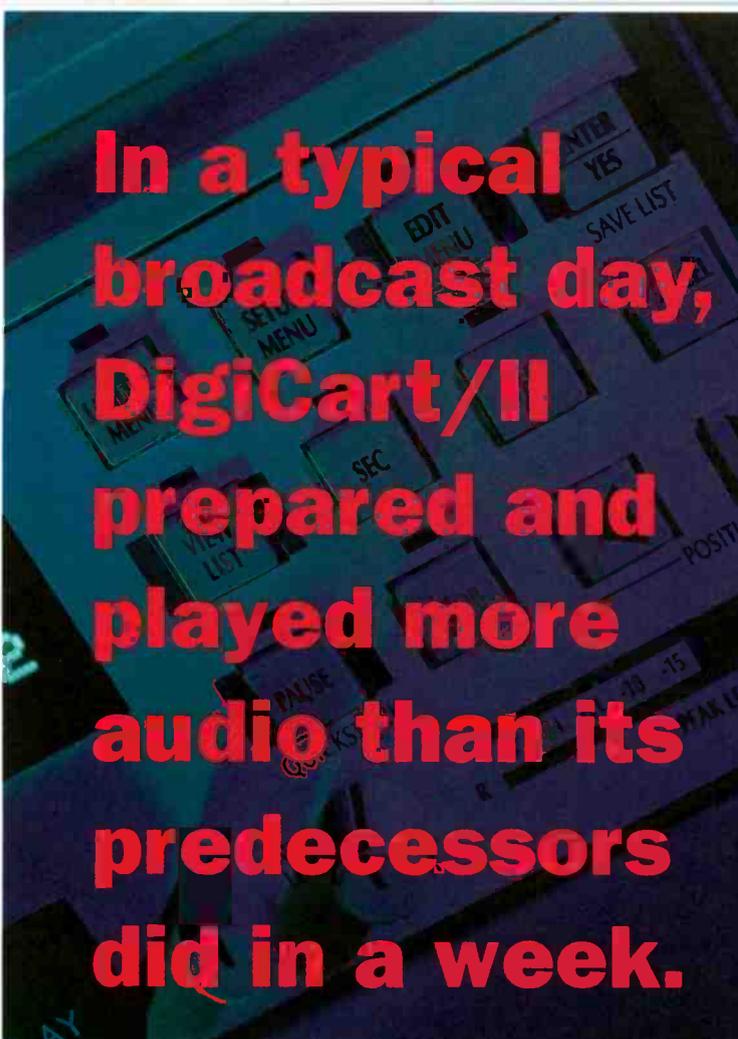


Clearly Digital.

Moseley's DSP 6000 Digital Transmission System...
the clear solution to your STL problems is now a reality.

- ▼ Convey up to four 15 kHz audio channels with CD quality specifications over a single STL.
 - ▼ 25 dB system gain improvement over analog STLs reduces new antenna & transmission line costs.
 - ▼ Fade and co-channel intermod problems have no effect on SNR, so even quiet passages remain crystal clear and noise free.
 - ▼ AES/EBU digital I/O allows direct digital interface to other digital hardware.
 - ▼ Interface to any composite STL, preserving the capital investment of your existing STLs.
 - ▼ Low coding delay of 3.8 ms keeps the air talent happy.
 - ▼ A built-in V.35/RS-422 interface opens the door for utilizing the DSP 6000 with Fractional T1 digital Telco circuits.
- To learn more about the digital transmission advantage, call today for our free color brochure.*

Moseley



In a typical broadcast day, DigiCart/II prepared and played more audio than its predecessors did in a week.



DigiCart/II goes far beyond cart machines and reel-to-reel decks—and even most digital machines. It's a uniquely powerful digital audio recorder, with software tools that bring color and interest to your work. ■ In production, use DigiCart/II to make mistake-proof edits, precise fades, and seamless back-to-back cuts. ■ On-the-air, get Instant access to music and effects loops, voice-overs, delayed news feeds, and QuickStack™ playlists. ■ DigiCart/II supports an eight hour hard drive, and three new high capacity cartridges—ideal for playing current inventory and moving audio between machines. ■ DigiCart/II is attractively priced and available now.



DigiCart/II A MINI WORKSTATION. A CART MACHINE.
A WELL VERSED DIGITAL AUDIO RECORDER.

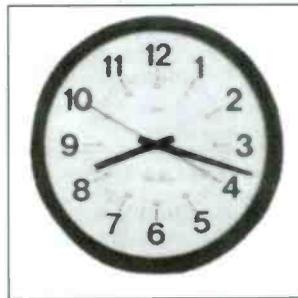
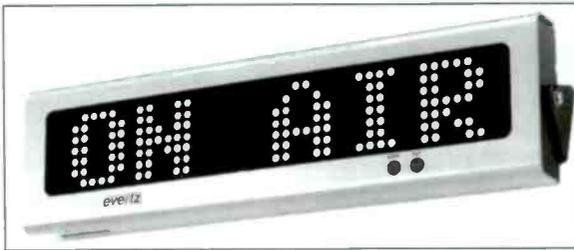
360 Systems
PROFESSIONAL DIGITAL AUDIO

CLOCKS & COUNTERS



EVERTZ CLOCK SYSTEMS & ACCESS.

SETH THOMAS



Seth Thomas 710 Contract 12Q has a molded case with textured finish, plastic lens, large easy to read dial graphics, red sweep second hand, quartz movement, and operates with one AA battery. Diameter 12"; depth: 2-3/4".

1275A	Circular time display, clock	\$ 750.00
120	Large character general purpose display, LTC reader	\$ 650.00
120e	Enhanced 120 c/w RS 232/422 ASCII interface	\$ 750.00
125	Large character, full speed range LTC reader	\$ 995.00
1260	Video character generator	\$ 2,480.00

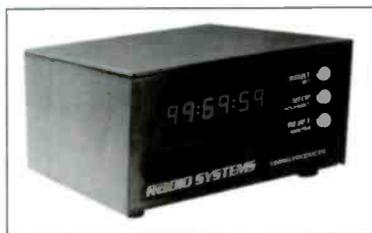
710	Brown	\$32.00
712	Black	\$32.00

EVERTZ

SETH THOMAS

RADIC SYSTEMS

RADIO SYSTEMS CLOCKS



Six Digit Up Timer

The TM-3 is a crystal-controlled up timer, with front panel switches and rear barrier strip for start, stop and reset.

TM-3		\$ 225.00
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Analog Clock System

The AMD-1 Driver drives up to fifty analog clocks. It may be synchronized with digital displays and can accept external time base.

AMD-1	Driver	\$ 595.00
AC-12	Clock	\$ 95.00

Digital Clock & Timer Display

All digital displays may be used as master drivers or slave units. Digital clocks can drive up to 5 AC-12 analog wall clocks directly.

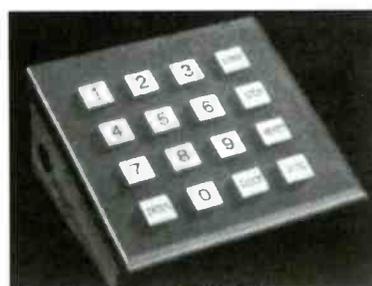
DTCT-6	Tabletop clock/timer with 2 separate 6-digit displays	\$ 595.00
DTC-6	Tabletop 6-digit clock only	\$ 395.00
DTT-6	Tabletop 6-digit timer only	\$ 395.00
DWT-6	Wall or rack mount, 2" display, 6-digit timer*	\$ 525.00
DWT-4	Wall or rack mount, 2" display, 4-digit timer*	\$ 475.00
DWC-6	Wall or rack mount, 2" display, 6-digit clock*	\$ 525.00
DWC-4	Wall or rack mount, 2" display, 4-digit clock*	\$ 475.00

*Wall or rack mount kits for these units are priced below

Clock System Accessories

The keypad enables all timers to count up as well as down. Heavy-duty batteries install in all digital displays and analog clock drivers.

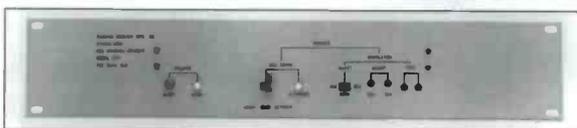
KP-CT	Keypad programmer & remote control	\$ 95.00
TCXO	TCXO time base for analog & digital system	\$ 395.00
Battery	Heavy-duty battery backup	\$ 35.00
RK-CT	Rack mount kit for 2" display	\$ 45.00
WM-CT	Wall mount for 2" display	\$ 45.00
CM-CT	Ceiling mount for 2" display	\$ 65.00





EBS

GORMAN-REDLICH



The Gorman-Redlich CEB EBS monitors are low cost, FCC type accepted encoder/decoders.

CEB	Encoder/decoder	\$540.00
CE	Encoder	\$375.00
CE/S	Encoder with stereo option	\$405.00
CD	Decoder	\$320.00
AM/FM	Modified AM/FM tunable receiver	\$100.00
OSCD	Offsite EBS monitor decoder w/receiver	\$350.00
OSCDR	Offsite EBS monitor decoder w/o receiver	\$250.00

GORMAN-REDLICH



The Gorman-Redlich weather alert monitor receives local

weather, plus emergency alert messages, weather radar data or marine information. Automatic warning, severe weather or civil defense emergency.

CRW	Weather receiver	\$540.00
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TFT 886/887 EBS



The TFT 886/887 are frequency synthesized, tunable AM/FM EBS receivers. There is an LED display to show the days since the last EBS test was sent and received. Both units have two built-in tone decoders and encoders. They have remote activation and reset via optoisolators, L and R or optional composite signal loop-through, and front panel speakers.

Model 886	AM EBS receiver w/AM loop antenna	\$2,150.00
Option 01	AM loop antenna (when ordered separately)	\$175.00
Model 887	FM EBS receiver	\$2,075.00
Option 02	Composite loop-through	\$175.00

WEATHER INSTRUMENTS

COMPUTEMP 5



The Computemp 5 has continuously-alternating readouts displaying both the time of day and temperature at the two locations you are monitoring. Its unique memory

function keeps track of daily temperature extremes and alerts you to critical temperature changes.

CompuTemp 5	LED display, AC powered w/9V battery back-up	\$89.95
CompuTemp Plus	LCD display, 9V battery powered	\$69.95

RAINWISE WEATHER STATION

The RainWise WeatherStation provides an LED digital readout for time, indoor and outdoor temperature, barometric pressure, wind direction, wind speed, windchill, rainfall, and outdoor relative humidity. Its microprocessor computes and accumulates degree days heating and cooling throughout the year with maximums and minimums being provided for any desired period to the nearest hour, day and month.



WeatherStation	\$990.00
Computer capable WeatherStation	\$1,300.00
Oracle 1	\$595.00
Oracle 2	\$559.00
Oracle 3	\$439.00
Oracle 4	\$439.00

GORMAN-REDLICH

MTS

TFT

MTS SYSTEM 1000



The MTS System 1000 is an EBS monitor with encoder/decoder and receiver. It has stereo outputs, an independent encoder output, continuous automatic self-test, full program audio loop through, alarm relay, and Hi-Z receive monitor port. The System 3000 includes all the above features plus up to three monitor receivers (two standard) which allows you to monitor two EBS stations plus a local NOAA weather service. You will have the best information and protection available.

MTS System 1000	Specify frequency	\$899.00
#2061-951	Terminal block option for 1000 or 3000	\$37.95
MTS System 3000C	Basic two receiver, specify frequency	\$1,900.00
System 3000 options:		
#2061-953	NOAA NWS module	\$95.00
#2061-950	DTMF reset option module	\$75.00
#2061-970	VHF TV RX module	\$125.00
#2061-984	End tone option	\$100.00
#2061-969	Public school antenna	\$250.00
#2061-985	3 channel line level driver	\$75.00
#2061-983	AM two port coupler (RX antenna)	\$49.95
#2061-967	AM antenna kit	\$74.95

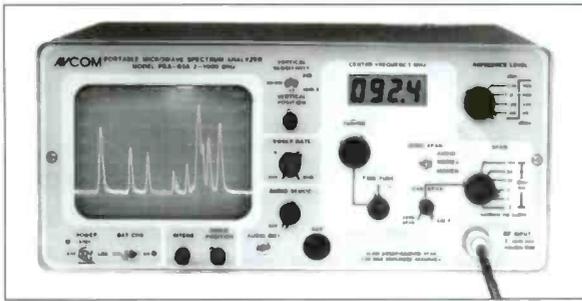


COMPUTEMP

RAINWISE



AVCOM PSA-65A



AVCOM'S PSA-65A Portable Microwave spectrum analyzer covers a frequency range from less than 2 MHz to 1000 MHz. This light weight, battery or line operated Spectrum Analyzer is the perfect instrument for field testing of RF systems, classroom instruction, satellite system alignment, electronic counter measures, cable TV maintenance, cellular, and production use. Options include a 10 KHz resolution bandwidth filter for the .2 MHz/Div. span that extends lower frequency range to approximately 200 KHz, an FM demodulator for aural monitoring, and several high performance precision-machined log periodic antennas.

PSA-65A	\$ 2,855.00
10KHz 10KHz resolution bandwidth option	\$ 275.00
FADO FM audio demodulator option	\$ 185.00
FE Frequency extenders for 1-2, 2-3, 3.7-4.2 GHz & 950-1450 MHz (price ea.)	\$ 565.00
ADO AM detector option	\$ 119.00
OIO Oscilloscope interface option	\$ 179.00

AVCOM PSA-35A

The Avcom PSA-35A is a portable spectrum analyzer with LCD frequency counter readout. It accurately measure wide band signals used in the TVRO industry. Frequency coverage from 10 MHz to over 1750MHz, and from 3.7 to 4.2 GHz. Please specify voltage.

PSA-35A	\$1,965.00
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FOSTEX TT-15 TEST TONE OSCILLATOR



Battery operated 5-frequency sine wave oscillator (40 Hz, 400 Hz, 1, 10 and 15 kHz) with 3 selectable output levels (-30, -10 and 0 dB) is useful for spot checking frequency response, calibrating mixers with tape recorders and other level matching jobs.

TT-15	\$55.00
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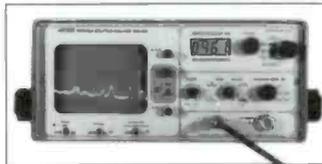
ATI NG-1 NOISE GENERATION



The ATI Audible Noise Generator NG-1 has a selectable and adjustable pink or white noise, pulsed or continuous, built-in speaker, output jack for external amplifier and speaker, battery operated for portable use with a wall mount, AC power supply included for continuous operation.

NG-1	\$199.00
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AVCOM PSA-37D



The PSA-37D portable spectrum analyzer is Avcom's answer to your downlink installation, service, and maintenance problems. Frequency coverage from 10 to over 1750 MHz and from

37 to 42 GHz, in 5 bands. Frequency readout is shown in MHz on a four digit LCD front panel display. The digital readout allows you to identify and resolve terrestrial interference problems quickly and precisely by displaying the frequency of offending signals. The PSA-37D has a built-in DC block with +18VDC for powering LNA's and BDC's, accurate signal strength amplitude display and internal battery with charger. Selectable vertical sensitivity of either 2dB or 10dB/Div. is standard.

PSA-37D	\$2,475.00
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DORROUGH 1200



The Dorrough 1200 is a simple and easy to operate stereo audio signal test set. It allows measurements of level, balance, crosstalk, and signal-to-noise with a

dynamic range of -90 to +20dB and a measurement range of -76 to +20dB. The solution to balanced stereo lines.

1200	Stereo audio signal test set	\$1,650.00
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GALAXY AUDIO CRICKET POLARITY TEST SET



A test instrument, for the audio installer or soundman, which indicates absolute polarity of most audio devices or may be used as a cable tester. The send unit has balanced 1/4" and XLR jacks, an unbalanced 1/4" speaker out jack and an internal speaker. The receive unit has 1/4" and XLR jacks, a sensitivity control, and an internal microphone. Both units are housed in high impact padded ABS case and are powered by a 9 volt battery.

Cricket Polarity Test Set	\$399.00
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ATI

AVCOM

DORROUGH

FOSTEX

GALAXY AUDIO



TEST EQUIPMENT

MRL TEST TAPES

TABLE OF MRL MULTIFREQUENCY CALIBRATION TAPES FOR OPEN-REEL APPLICATIONS

MRL

Tape Width	Tape Speed		Equalization Standard	Fringing Compensated?	Level of Section Freq. Resp.	Catalog Number For Reference Fluxivity			Price
						200 nWb/m	250 nWb/m	300 nWb/m	
6.3mm	95 mm/s	3.75 in/s	IEC-1968 & NAB-1965	NO	-10 dB	21F101-A	21F201-A	—	\$ 60.00
	190 mm/s	7.5 in/s	IEC-1968 (=IEC 1)	NO	-10 dB	21T102	21T202	21T302	\$ 60.00
	190 mm/s	7.5 in/s	NAB-1965 (=IEC 2)	NO	-10 dB	21T104	21T204	—	\$ 60.00
1/4 inch	380 mm/s	15 in/s	IEC-1968 (=IE C 1)	NO	0 dB	21J103	21J203	21J303	\$ 60.00
	380 mm/s	15 in/s	NAB-1965 (=IEC 2)	NO	0 dB	21J105	21J205	—	\$ 60.00
	760 mm/s	30 in/s	IEC-1968* (=IEC 1)	—	—	—	—	—	—
12.5mm	760 mm/s	30 in/s	AES-1971 (=IEC 2)	NO	0 dB	21L121	21L221	—	\$ 70.00
	95 mm/s	3.75 in/s	IEC-1968 & NAB-1965	YES	-10 dB	31F156-A	31F256-A	—	\$ 125.00
	190 mm/s	7.5 in/s	IEC-1968 (=IEC 1)	YES	-10 dB	31T128	31T228	31T328	\$ 125.00
1/2 inch	190 mm/s	7.5 in/s	NAB-1965 (=IEC 2)	YES	-10 dB	31T118	31T218	—	\$ 125.00
	380 mm/s	15 in/s	IEC-1968 (=IE C 1)	YES	0 dB	31J129	31J229	31J329	\$ 125.00
	380 mm/s	15 in/s	NAB-1965 (=IEC 2)	YES	0 dB	31J119	31J219	—	\$ 125.00
25mm	760 mm/s	30 in/s	IEC-1968* (=IEC 1)	—	—	—	—	—	—
	760 mm/s	30 in/s	AES-1971 (=IEC 2)	YES	0 dB	31L120	31L220	—	\$ 140.00
	95 mm/s	3.75 in/s	IEC-1968 & NAB-1965	YES	-10 dB	41F157-A	41F257-A	—	\$ 275.00
1 inch	190 mm/s	7.5 in/s	IEC-1968 (=IEC 1)	YES	-10 dB	41T128	41T225	41T325	\$ 275.00
	190 mm/s	7.5 in/s	NAB-1965 (=IEC 2)	YES	-10 dB	41T115	41T215	—	\$ 275.00
	380 mm/s	15 in/s	IEC-1968 (=IE C 1)	YES	0 dB	41J126	41J226	41J326	\$ 275.00
50mm	380 mm/s	15 in/s	NAB-1965 (=IEC 2)	YES	0 dB	41J116	41J216	—	\$ 275.00
	760 mm/s	30 in/s	IEC-1968* (=IEC 1)	—	—	—	—	—	—
	760 mm/s	30 in/s	AES-1971 (=IEC 2)	YES	0 dB	41L117	41L217	—	\$ 320.00
2 inch	190 mm/s	7.5 in/s	IEC-1968 (=IEC 1)	YES	-10 dB	51T122	—	51T322	\$ 535.00
	190 mm/s	7.5 in/s	NAB-1965 (=IEC 2)	YES	-10 dB	51T112	51T212	—	\$ 535.00
	380 mm/s	15 in/s	IEC-1968 (=IE C 1)	YES	0 dB	51J123	51J223	51J323	\$ 535.00
2 inch	380 mm/s	15 in/s	NAB-1965 (=IEC 2)	YES	0 dB	51J113	51J213	—	\$ 535.00
	760 mm/s	30 in/s	IEC-1968* (=IEC 1)	—	—	—	—	—	—
	760 mm/s	30 in/s	AES-1971 (=IEC 2)	YES	0 dB	51L114	51L214	—	\$ 600.00

Please specify cart.

Carts	Description	Fringing Compensated?	Level of Section Freq. Resp.	Reference Fluxivity	Price
	Multi-Freq 31.5Hz-20kHz, 6 min	0/-10	160nWbm	S-211	\$ 64.00
	Fast Sweep 500Hz-20kHz, 6 min	-10	160nWbm	63T078	\$ 64.00
	Slow Sweep 20Hz-20kHz, 6 min	-10	160nWbm	64T076	\$ 64.00
	White noise, broadband, 6 min	-10	160nWbm	67T076	\$ 64.00
	Pink noise, broadband, 6 min	-10	160nWbm	68T076	\$ 64.00

MRL also has

- Sound Technology 1500 Series Test Tapes
- Fast Sweep - Frequency Re-producer Calibration Tapes
- 3150-Hz Flutter and Speed test Tapes
- Polarity Calibration Tapes
- 2-Speed 15 and 30-in/s Calibration Tapes
- Short Calibration Tapes with Chromatic Sweep

Other widths and speeds are available, please call Broadcaster's General Store for ordering information.



STL TEST TAPES

TAPE SELECTION CHART

GENERAL SPECIFICATIONS								1/4" - 6.3 mm (Cassette)				.150" (Film)			1/2" - 12.6mm		
SPEED IPS mm/s	EQUALIZATION uWVX	STANDARD	PRO- GRAM	FREQ. RUN LEVEL dB	REFERENCE LEVEL		CATALOG NUMBER	REPRO. ALIGN	PINK NOISE	LEVEL SET	AZI- MUTH	CATALOG NUMBER	REPRO. ALIGN	PINK NOISE			
					FREQ. Hz	nWb/m ANSI (DIN)									Prefix →	C	P
3 3/4	95	3180-90	NAB 1965	C	-20	400	185 (200)	0001-1	\$ 75	\$ 80	\$ 45	\$ 45	0023	\$ 145	\$ 145		
7 1/2	190	3180-50	NAB 1965	B	-10	700	185 (200)	0002-1	\$ 70	\$ 75	\$ 45	\$ 45	0005	\$ 140	\$ 140		
7 1/2	190	3180-50	NAB 1965	B	-10	700	260 (280)	3002-1	\$ 70	—	\$ 45	—	3005	\$ 140	—		
7 1/2	190	3180-50	NAB 1965	A	0	700	185 (200)	0022-1	\$ 70	—	—	—	—	—	—		
15	380	3180-50	NAB 1965	A	0	700	185 (200)	0003-1	\$ 70	\$ 75	\$ 45	\$ 45	0006	\$ 140	\$ 140		
15	380	3180-50	NAB 1965	A	0	700	260 (280)	3003-1	\$ 70	—	\$ 45	—	3006	\$ 140	—		
30	760	—17 1/2	AES 1971	A	0	700	260 (280)	3004-1	\$ 80	—	\$ 50	—	3007	\$ 155	—		
REEL TO REEL		U.S.A. STANDARDS		INTERNATIONAL TEST FREQUENCIES													
3 3/4	95	3180-90	NAB 1965	L	-20	500	200 (215)	0101-1	\$ 75	\$ 80	\$ 45	—	0123	\$ 145	\$ 145		
7 1/2	190	3180-50	NAB 1965	K	-10	1000	200 (215)	0102-1	\$ 70	\$ 75	\$ 45	—	0105	\$ 140	\$ 140		
7 1/2	190	3180-50	NAB 1965	K	-10	1000	250 (270)	2102-1	\$ 70	—	\$ 45	—	2105	\$ 140	—		
15	380	3180-50	NAB 1965	K	0	1000	200 (215)	0103-1	\$ 70	\$ 75	\$ 45	—	0106	\$ 140	\$ 140		
15	380	3180-50	NAB 1965	K	0	1000	250 (270)	2103-1	\$ 70	—	\$ 45	—	2106	\$ 140	—		
30	760	—17 1/2	AES 1971	K	0	1000	200 (215)	0104-1	\$ 80	\$ 85	\$ 50	—	0107	\$ 155	\$ 155		
30	760	—17 1/2	AES 1971	K	0	1000	250 (270)	2104-1	\$ 80	—	\$ 50	—	2107	\$ 155	—		
REEL TO REEL		INTERNATIONAL STANDARDS		THESE TEST TAPES COMPLY WITH				STANDARDS ESTABLISHED BY IEC, DIN and CCIR.									
3 3/4	95	3180-90	IEC 1971	L	-20	500	230 (250)	2201	\$ 75	\$ 80	\$ 45	—	2223	\$ 145	\$ 145		
7 1/2	190	—70	IEC 1971	K	-10	1000	230 (250)	2202	\$ 70	—	\$ 45	—	2205	\$ 140	\$ 140		
7 1/2	190	—70	IEC 1971	K	-10	1000	295 (320)	4202	\$ 70	\$ 75	\$ 45	—	4205	\$ 140	—		
15	380	—35	IEC 1971	K	-10	1000	230 (250)	2203	\$ 70	—	\$ 45	—	2205	\$ 140	\$ 140		
15	380	—35	IEC 1971	K	-10	1000	295 (320)	4203	\$ 70	\$ 75	\$ 45	—	4206	\$ 140	—		
30	760	—17 1/2	IEC 1971	K	0	1000	295 (320)	4204	\$ 80	\$ 85	\$ 50	—	4207	\$ 155	\$ 155		
BROADCAST CARTRIDGE†		U.S.A. or INTERNATIONAL STANDARDS															
7 1/2	190	—50	NAB 1976	E	-10	1000	160 (175)	0034-2	\$ 85	\$ 90	\$ 55	\$ 60					
7 1/2	190	—50	NAB 1976	J	0	1000	250 (270)	4039-2	\$ 90	—	\$ 55	—					
7 1/2	190	—70	IEC 1971	E	-10	1000	160 (175)	0234-2	\$ 85	—	\$ 55	—					
7 1/2	190	—70	IEC 1971	J	0	1000	250 (270)	4239-2	\$ 90	—	\$ 55	—					
CASSETTE**		INTERNATIONAL STANDARDS															
1 7/8	47.5	3180-120	IEC 1981	H	-20	315	145(160)	0086	\$ 95	\$ 105	\$ 50	\$ 65					
1 7/8	47.5	3180-70	IEC 1981	H	-20	315	145(160)	0087	\$ 95	\$ 105	—	—					
1 7/8	47.5	Dolby® Single Tone				400	185(200)	2028	—	—	\$ 50	—					

STL

*-10 on 1/4" tapes

**In high-quality screw-type cassette Also available on 8" reel-NAB center; add -R to catalog number

***One inch-Type C, Two Inch-quadruplex

†Specify the cartridge desired by adding the suffix indicated below the catalog number

-AP (A2 Audiopak), -AF (AA 4 Audiopak), -FI (Fidelipac 350), -MA (Mastercart), -SC (ITC/Scotchcart)

‡ANSI (DIN)-U S vs European (DIN and IEC) methods of measurement result in level discrepancies listed

Example: 185 nWb/m ANSI = 200 nWb/m DIN or IEC

GENERAL DESCRIPTIONS

REPRODUCE ALIGNMENT TEST TAPES - FOR HIGHEST ACCURACY CALIBRATION - Contains Level Set, Azimuth, and Frequency Run test sections. All tones voice announced.

PINK NOISE - For phase alignment of multi-track systems, and response check with 1/3 octave filters.†

LEVEL SET - Single Tone (see program of equivalent alignment tape for frequency).†

AZIMUTH - Single Tone (see program of equivalent alignment tape for frequency).†

FLUTTER & SPEED - A crystal-controlled frequency source recorded at low flutter and accurate speed.†

† 5 minutes

Sweep and many other special-purpose test tapes can be ordered directly from STL on a manufacture-to-order basis.

USE OF TAPE SELECTION CHART

Prefix Designations - Add the prefix designation listed to differentiate between Reproduce Alignment, Pink Noise, Level Set, and Azimuth. Example: C-0001-1 is a Reproduce Alignment test tape. Tapes ordered without a prefix designation will be assumed to be a Reproduce Alignment.

Reel-to-Reel - All tapes listed are full track, recorded at standardized flux levels (no fringing compensation). 1/4" tapes with catalog numbers ending in "-1" can be ordered as 2 channel, 1/2 track (.075"/1.91 mm tracks) by changing the "-1" to "-2". Likewise, for 2 channel, 1/4 track (tracks 1 and 3), change to "-4". Example: C-0001-2 indicates 2 channel, 1/2 track.

Broadcast Cartridge - All tapes listed are stereo. For mono, change the "-2" to "-1". Full track tapes can be ordered for MAXTRAX® machines by changing the "-2" to "-0". Select cartridge type from list below the chart and add appropriate suffix to the catalog number. Example: C-0034-2-SC for Scotchcart.

		3150 Hz.		FLUTTER/SPEED TEST TAPES		All formats	
REEL-TO-REEL - Flutter less than .03% RMS. Speed better than 0.1% at 74°F and 4 oz.		1/4" TAPE (6.3 mm)		1/2" TAPE (12.6 mm)		1" TAPE (25.2 mm)	
SPEED (IPS)	(mm/s)	CAT. NO.	PRICE (\$)	CAT. NO.	PRICE (\$)	CAT. NO.	PRICE (\$)
3 3/4	95	X-1251	65	X-1351	95	X-1451	170
7 1/2	190	X-1252	70	X-1352	105	X-1452	185
15	380	X-1253	75	X-1353	115	X-1453	200
30	760	X-1254	80	X-1354	125	X-1454	215

BROADCAST CARTRIDGE - 7 1/2 IPS (190 mm/s)†. Catalog number X-1235. Price \$80.
35MM FILM - 18 IPS (457 mm/s). Catalog number X-0090. Price \$280.
CASSETTE - 1 7/8 IPS (47.5 mm/s)** Catalog number X-1129. Price \$65.
 5 minute recording, flutter less than .05% RMS - Speed accuracy 0.15% at 74°F.

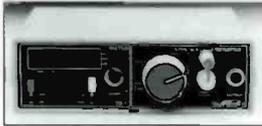


TEST EQUIPMENT

GOLDLINE

WHIRLWIND

GOLDLINE TS-1 & TS-2



The TS-1 is three audio test instruments in one unit. It includes: a low distortion audio oscillator with a range of 10Hz to 30KHz; a frequency counter with response of 1Hz to 99.99KHz; and a dB meter with range of -50 to 24dB from 20Hz to 20KHz. The TS-2 is a TS-1 that will determine impedances in the audio frequency range (20Hz to 27KHz) from 1Ω to 1000Ω. Versions are available from 1Ω to 10KΩ.

TS-1	Balanced in	\$379.95
TS-1-BP	Wired for battery (battery included)	\$569.00
TS-1-RMX	Balanced in & out via XLR both front & rear w/RM	\$539.95
TS-2	TS-1 with impedance function	\$549.00
TS-2-BP	Wired for battery (battery included)	\$695.00

WHIRLWIND CABLE TESTER



This Cable Tester can test cables with any combination of XLR, 1/4" or RCA phono plugs for shorts, opens and phase. The handsfree design allows manipulation of cable to locate intermittents. An on/off switch is provided, with LED to indicate sufficient testing power. Belt clip included.

CT	Cable tester	\$60.00
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AUDIO PROCESSING - COMPRESSOR/LIMITER



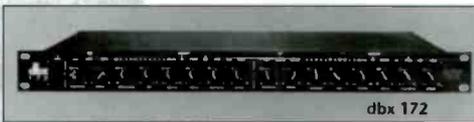
Aphex 720/723



dbx 160XT



Aphex 622



dbx 172



Orban 412A



RDL ST-CL1

Noise Gates

BSS DPR-502	2-channel w/MIDI, 1U, XLR	\$ 1,359.00
dbx 363X	2-channel, half/rack 1U, TS	\$ 269.00
Klark Teknik DN510	2-channel, 1U, XLR	\$ 1,125.00
Valley 460 Autogate	2-channel, 1U, TRS	\$ 679.00
Ashly SG-35E	4-channel, 2U, TRS	\$ 684.00
Audio Logic 440	4-channel, 1U, TRS	\$ 360.00
BSS DPR-504	4-channel, 1U, XLR	\$ 1,359.00
dbx 274	4-channel, 1U, TRS	\$ 449.00
DOD 844	4-channel, 1U, TS	\$ 269.95
JBL M644	4-channel, 1U, XLR	\$ 395.00
Klark Teknik DN514	4-channel auto gate, 1U, XLR	\$ 1,125.00
Symetrix 564E	4-channel expander/gate, 1U, XLR	\$ 989.00
Valley 450 Gatex	4-channel, 1U, TRS	\$ 629.00

Expander/Gate/Ducker

Aphex 622	Dual channel, 1U, XLR	\$ 795.00
Behringer XR2000	Dual channel, 1U, XLR	\$ 469.00
dbx 172	Dual channel, 1U, XLR	\$ 869.00

Peak Limiter

Aphex 720	Dominator II, multi-band, stereo, 1U, XLR	\$ 1,350.00
Aphex 723	Dominator II w/Pre/De-emphasis, 1U, XLR	\$ 1,495.00
Symetrix 501	Mono com/limiter, 1U, XLR	\$ 349.00
Valley 440	De-esser, com/limiter, 1U, BS	\$ 999.00

Mono Compressor/Limiters

Aphex 651	Expressor, 1U, TRS	\$ 495.00
Aphex 323	Compellor/Aural Exciter, multi-band, 1U, TRS	\$ 949.00
Ashly CL-50E	1U, TRS	\$ 312.00
dbx 163X	half/rack 1U, TS	\$ 169.00
dbx 160XT	1U, BS or TRS	\$ 459.00
dbx 165A	w/Peak Stop™, 2U, BS	\$ 1,299.00
JBL/Urei LA-10	w/Peak Stop and/or average gain, 1U, XLR	\$ 550.00
Orban 412A	1U, BS, TRS, and XLR	\$ 525.00
RDL ST-CL1	See page 22, Stick On, BS	\$ 109.95
RDL STGCA1	See page 22, gain control amp, Stick On, BS	\$ 89.95
RDL STGCA2	See page 22, fast gain control amp, Stick On, BS	\$ 89.95

AUDIO PROCESSING - COMPRESSOR/LIMITER



Stereo/Dual Compressor/Limiters

Aphex 320	Compellor, multi-band, 1U, XLR	\$ 1,350.00
Ashly CL-52E	1U, TRS	\$ 480.00
BSS DPR-402	w/De-esser, 1U, XLR	\$ 1,399.00
DOD 866	1U, TRS and RCA	\$ 269.95
JBL/Urei LA-12	w/Peak and/or average gain, auto preset mode, 1U, XLR	\$ 850.00
Orban 414A	2U, BS, TRS, and XLR	\$ 800.00
Symetrix SX208	half rack 1U, TRS and TS	\$ 299.00
Valley 610	w/wide range AGC, 2U, XLR	\$ 1,299.00

Stereo/Dual Compressor/Limiters/Expander

dbx 266	AutoDynamic™ attack/release, 1U, TRS	\$ 299.00
JBL/Urei LA-22	1U, XLR	\$ 1,150.00
Klark Teknik DN500	1U, XLR	\$ 1,225.00
Rane DC-24	w/Gate and fourth order active crossover, 1U, XLR	\$ 599.00
Symetrix 425	1U, XLR and TRS	\$ 579.00
Valley 430-1	Dynamite, w/De-esser, 1U, TRS	\$ 599.00
Valley 430-2	Dynamite w/interactive expansion, 1U, TRS	\$ 629.00

Mono Gated Compressor/Limiter

Orban 422A	w/De-esser, 2U, BS, TRS and XLR	\$ 680.00
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Stereo/Dual Gated Compressor/Limiter

Audio Logic 266	1U, XLR and TRS	\$ 450.00
Audio Logic 660	1U, TRS	\$ 310.00
dbx 166	w/Dual gate, 1U, TRS	\$ 499.00
JBL M712	w/Gate, 1U, XLR	\$ 395.00
Orban 424A	w/De-esser, 2U, BS, TRS, XLR	\$ 1,150.00

Multi-Dynamics Processors/Others

Art MDC-2001	Stereo compressor, noise gate, expander, de-esser, exciter, peak limiter, clipper, 1U, XLR	\$ 499.00
Art DRX-2100SE	1U, TS, see page 124	\$ 639.00
Behringer MDX2000	Composer, multi-band compressor/limiter, peak limiter, expander gate, 1U, XLR	\$ 469.99
BSS DPR-404	4-channel compressor/de-esser, 1U, XLR	\$ 1,399.00
dbx 263X	De-esser, half/rack 1U, TS	\$ 169.00
Klark Teknik DN504	Quad compressor/limiter, 1U, XLR	\$ 1,375.00
Tailor	10-band series compressor/limiter/EQ, 2U, XLR	\$ 1,695.00
Orban 464A	Co-operator, stereo AGC, com/limiter, high frequency limiter and clipper, 1U, BS, TRS and XLR	\$ 1,200.00
Orban 536A	Dual channel de-esser, 1U, BS and TRS	\$ 650.00
Sony DPS-F7	Parametric and Dynamic EQ, com/limiter, expander, exciter, vocoder, sub-harmonics generator, non-linear saturator, monophonic synthesizer, percussion synthesizer and Dish Washer, balanced IO's and midi compatible	\$ 1,785.00
Symetrix 421	Mono, AGC leveler, limiter, w/speech curve filters, 1U, TRS and XLR	\$ 549.00



INPUT/OUTPUT CONNECTIONS

TRS = 1/4" Tip-Ring-Sleeve
 TS = 1/4" Tip-Sleeve
 BS = Barrier Strip
 XLR = 3 pin XLR

We will be happy to fax or mail complete specifications on any compressor/limiter you find of interest.

MODULAR PROCESSING



VALLEY MODULAR PROCESSING

The Valley modular processing package is a studio quality system used worldwide.

PR10A	Ten position powered rack for vertical modules	\$ 759.00
PR2A	Two position powered rack for horizontal modules	\$ 399.00
810	Kepex II, noise gate/expander 90 dB range log & linear release shapes	\$ 499.00
811	Gain Brain II, variable ratio limiting, linear integration detection, peak reversion correction	\$ 499.00
812	Max EQ, three band parametric EQ, tune mode, series filters, infinite notch	\$ 499.00
815	DSP dynamic sibilance processor	\$ 499.00
816	Leveller, linear integration detection, automatic attach and release	\$ 499.00
817	Commander, compressor/expander/AGC, linear integration detection, peak reversion correction	\$ 499.00
PRBP	One position blank panel	\$ 12.00
PR EXT	Extender card	\$ 69.00

VALLEY



CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



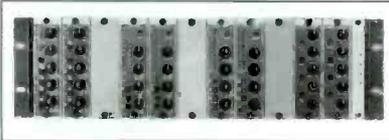
MODULAR PROCESSING

APHEX

DBX

RANE

APHEX 9000



The ApheX 9000 Modular Processing System is a space saving way to install some of the more popular ApheX products.

9000R	3U unpowered	\$ 379.00
9005PS	Same as 9000PS with 5 amp PS	\$ 699.00
9000PS	9000 series power supply, 2U ApheX modules only	\$ 499.00
9001PS	Same as 9000PS for added DBX® compatibility	\$ 599.00
9251	Aural exciter module, single channel	\$ 449.00
9301	Compeller module, single channel	\$ 549.00
9611	Expander/gate module, single channel	\$ 449.00
9651	Expresor module, single channel	\$ 449.00
9721	Dominator II, single channel	\$ 595.00
9901	Parametric EQ, single channel	\$ 449.00
900BP	Blank panel, single position	\$ 19.00

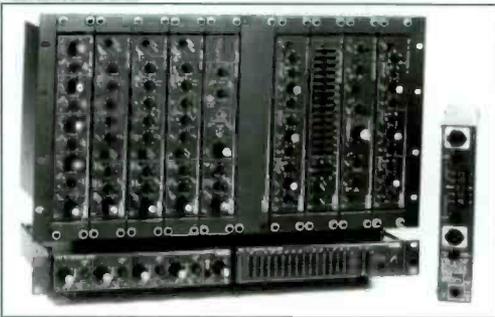
DBX 900



The dbx 900 Series is a modular signal-processing system that eliminates redundant packaging, saves rack space and provides exceptional flexibility and serviceability.

F900A	9-channel mainframe, 3U	\$ 595.00
FS900	2-channel horizontal mini-frame, 1U	\$ 399.00
902	De-esser module	\$ 295.00
903	Over Easy compression module	\$ 295.00
904	Noise gate module	\$ 295.00
905	3-band parametric/notch equalizer module	\$ 499.00
911	Type 1 NR encode/decode module	\$ 239.00
929	2-channel single ended NR module	\$ 399.00
933	3-channel distribution amp/mixer	\$ 349.00
941A	2-channel Type II encode module	\$ 259.00
942A	2-channel Type II Decode module	\$ 269.00
BP-900A	Blank panel	\$ 12.00
900/EXT	Extender card	\$ 99.00

RANE FLEX SERIES



The Rane Flex modular signal processing series offers a wide variety of high performance audio procession, mixing, and distribution modules.

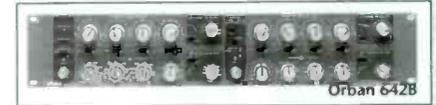
FVR 10	Vertical mounting rack for 10 modules, 5U	\$ 55.00
FHT 2	19" horizontal mounting tray for two modules, 1U	\$ 39.00
FAC 24	Active crossover 24 dB/octave, Linkwitz-Riley filters	\$ 339.00
FAC 28	Active crossover 48 dB/octave, Linkwitz-Riley filters	\$ 449.00
FDA 18	Distribution amp, one mic/line in to eight balanced out	\$ 429.00
FLM 82	Line mixer, four stereo ins, two master & two aux outs, stereo/mono switch	\$ 399.00
FLT 22	Two channel transformer isolator/balancer	\$ 159.00
OPT 44	Converts FLT 22 to a four channel unit	\$ 89.00

FME 15	Fifteen band microGRAPHIC EQ	\$ 299.00
FMI 14	Mixer input/microphone preamp w/48V phantom power, three band EQ, and assignable sends	\$ 349.00
FMM 42	Mixer master module with mic/line input, stereo line input, four zone output and adjustable paging/ducker circuit	\$ 349.00
FPE 13	Three band parametric EQ with 20-20kHz sweep range and 1/30th to two octave bandwidth range	\$ 299.00
FPL 44	Four channel, servo lock, peak stop limiter	\$ 389.00
FPM 42	Four channel, mic/line mixer w/phantom power, three pin in- 1/4" TRS out, pre/post aux assigns	\$ 429.00
FPM 44	Four channel, mic/line mixer w/phantom power, terminal strip in and out, pre/post aux assigns	\$ 399.00
FPS 28	Mic/line splitter/distribution amp w/two balanced mic lines in, eights outs, phantom power and stereo mono switch	\$ 399.00
FRS 8	Eight output AC power supply for mounting an FVR 10 2U wide in chassis	\$ 249.00
RAP 10	Ten output rack mount AC power supply, 2U	\$ 329.00
FAT 22	Active transformer	\$ 329.00
FBB 44	Balance Buddy	\$ 259.00
FSC 22	2-channel stereo compressor/limiter	\$ 399.00
FVL 22	Remote VCA/limiter	\$ 319.00
FSB 1	One module security cover/blank panel	\$ 15.00
FHL 2	Horizontal link kit for two modules	\$ 15.00
FHB 1	Horizontal blank, adapts one module to 19"	\$ 39.00
FSC 10	Security cover for ten vertical modules	\$ 29.00
RS 1	Single remote AC power supply (included with all modules requiring external power) Module connector kits and cables are also available.	\$ 18.00

AUDIO PROCESSING - EQUALIZERS



Octave		
Rolls HR210	Stereo 10 band, 1U, RCA & TRS	\$ 260.00
Tailor	Stereo 10 band EQ/Limiter, 2U, XLR	\$ 1,695.00
GRAPHIC 2/3 OCTAVE		
Art HD-15	Stereo 15 band, 2U, TRS & BS	\$ 435.00
Art HD-15XLR	Stereo 15 band, w/XLR, 2U	\$ 485.00
Ashly GQX-1502	Stereo 15 band, 2U, TRS, XLR & BS	\$ 599.99
Audio Logic SC215	Stereo 15 band, 2U, XLR, TRS & BS	\$ 510.00
Biampr microEQ152	Stereo 15 band, 1U, TRS	\$ 437.00
dbx 1531X	Switchable 2X15 or 1X31 band, 1U, TRS & XLR	\$ 429.00
DOD 430	Stereo 15 band, 1U, TRS, TS & RCA	\$ 249.95
DOD 430XLR	Stereo 15 band, w/XLR, 1U	\$ 269.95
DOD 830	Stereo 15 band, 2U, TRS, TS & RCA	\$ 249.95
DOD 830XLR	Stereo 15 band, w/XLR, 2U	\$ 269.95
Klark Teknik DN 332	Stereo 16 band, 2U, XLR	\$ 1,115.00
Rane GQ-15	Stereo 14 band, 2U, XLR, TRS & BS	\$ 599.00
Rane MQ-15	Stereo 14 band, 1U, XLR, TRS & BS	\$ 499.00
Rane GE-14	Stereo 14 band, 2U, TRS	\$ 569.00
Rane ME-15	Stereo 15 band, 1U, TRS	\$ 399.00
GRAPHIC 1/3 OCTAVE		
Art HD-31	Mono 30 band, 2U, XLR, TRS & BS	\$ 435.00
Ashly GQX-3101	Mono 31 band, 2U, TRS, XLR & BS	\$ 699.99
Audio Logic SC31	Mono 31 band, 2U, XLR, TRS & BS	\$ 500.00
Audio Logic SC131	Mono 31 band, cut only, 2U, XLR, TRS & BS	\$ 550.00
Biampr microEQ301	Mono 30 band, 1U, TRS	\$ 414.00
dbx 1531X	Switchable 2X15 or 1X31 band, 1U, TRS & XLR	\$ 429.00
DOD 431	Mono 31 band, 1U, TRS & TS	\$ 249.95
DOD 431XLR	Mono 31 band, w/XLR, 1U	\$ 269.95
DOD 831	Mono 31 band, 2U, TRS & TS	\$ 249.95
DOD 831XLR	Mono 31 band, w/XLR, 2U	\$ 269.95
Electro-Voice 2710	Mono 27 band w/pink noise gen., 2U	\$ 989.00
Electro-Voice EQ-131	Mono 31 band, 1U,, XLR & TRS	\$ 450.00
JBL 5547A	Mono 30 band, 2U, XLR, TRS & BS	\$ 1,150.00
JBL 5549A	Mono 30 band, cut only, 2U, XLR, TRS & BS	\$ 1,255.00
Klark Teknik DN 300	Mono 30 band, 2U, XLR	\$ 1,175.00
Klark Teknik DN 301	Mono 30 band, cut only, 2U, XLR	\$ 1,250.00
Klark Teknik DN27A	Mono 27 band, 3U, XLR	\$ 1,275.00
Rand GE-30	Mono 30 band, cut/boost cut, 2U	\$ 749.00
Rane GQ-30	Mono 30 band, 2U, XLR, TRS & BS	\$ 599.00
Rane MQ-30	Mono 30 band, 1U, XLR, TRS & BS	\$ 499.00
Rane GE-27	Mono 27 band, 2U, TRS	\$ 539.00
Rane ME-30	Mono 30 band, 1U, TRS	\$ 389.00
Ashly GQX-3102	Stereo 31 band, 3U, TRS, XLR & BS	\$ 1,199.99
DOD 231	Stereo 31 band, 2U, TRS & TS	\$ 429.95
DOD 231XLR	Stereo 31 band, 2U, w/XLR	\$ 449.95
Klark Teknik DN 360	Stereo 30 band, 3U, XLR	\$ 1,750.00
Rane ME-60	Stereo 30 band, 2U, XLR, TRS & RCA	\$ 669.00
PARAMETRIC		
Ashly PQ-16	Mono 6 band, 1U, TRS	\$ 399.99
Ashly PQ-26	Stereo 6 band, 2U, TRS	\$ 699.99
Behringer PEQ305	Mono 5 band, 1U, TRS & XLR	\$ 599.99
Orban 642B	Stereo 4 band/mono 8 band, 2U, XLR, TRS & BS	\$ 1,200.00
Orban 672A	Mono 8 band graphic parametric, 3U, XLR, TRS & BS	\$ 725.00
Orban 674A	Stereo 8 band graphic parametric, 3U, XLR, TRS & BS	\$ 1,525.00
Rane PE-15	Mono 5 band EQ/notch filter, 1U, XLR & TRS	\$ 399.00
Rane SP-15	Mono 5 band, 1U, XLR & TRS	\$ 599.00
Sabine FBX900	Mono 6 band automatic feedback controller, 1U, XLR	\$ 599.95
Symetrix SX-201	Mono 3 band EQ/notch filter, 1U 1/2 rack, TRS & TS	\$ 279.00
Programmable EQ		
Art DRX-2100SE	1U, TS, See page 124	\$ 639.00
Art IEQ	Mono, 1/3 Controller, 6U, TRS & BS	\$ 829.00
Art IEQ	Mono, 2/3 Controller, 6U, TRS & BS	\$ 629.00
BSS DPR-901	Mono 4 band EQ/Compressor/Expander, 1U, XLR	\$ 1,429.00
DigiTech MEQ-14	Stereo 14 band, Midi programmable, 2U, XLR, TRS & TS	\$ 569.95
DigiTech MEQ-28	Mono 28 band, Midi programmable, 2U, XLR, TRS & TS	\$ 569.95
Dolby 740	Stereo 3 band spectral processing, 1U, XLR	\$ 1,760.00
Orban 764A1/UX*	Mono 8 band, 2U, XLR, TRS & BS	\$ 2,000.00
Orban 764A2/UX*	Stereo 4 band, 2U, XLR, TRS & BS	\$ 2,500.00
Orban 764A2/UX*	Stereo 4 band slave, 2U, XLR, TRS & BS	\$ 1,900.00
	(Replace X with M for Midi; 2 for RS-232; or 4 for RS-422 interface)	
Oxmoor DEQ-I	Mono 29 band, 1U, XLR	\$ 1,195.00
Oxmoor DEQ-II	Mono 29 band, 2U, XLR	\$ 1,470.00



INPUT/OUTPUT CONNECTIONS

TRS = 1/4" Tip-Ring-Sleeve
 TS = 1/4" Tip-Sleeve
 BS = Barrier Strip
 XLR = 3 pin XLR

These are all professional, rack mountable equalizers. We would be happy to fax or mail complete specifications on the equalizers you find of interest.



REAL TIME ANALYZERS

AUDIO CONTROL IND.

DOD

GOLDLINE

AUDIO CONTROL IND. SA-3050A



The Audio Control Industrial SA-3050A is an affordable, measurement-grade, 1/3 octave real-time analyzer designed for audio signal analysis. The SA-3050A offers the following features:

- (30) 1/3 octave bandwidth filters.
- Internal pink noise source.
- 9 x 30 large-format LED display with 1dB resolution.
- Six internal memories with battery backup.
- Averaging for 6 stored response curves.
- Peak hold function.
- SPL scale with bar graph and full-screen digital readout.
- 92dB display range.
- Signal input from balanced microphone input, balanced phone jack or unbalanced BNC connector.

SA-3050A		\$ 995.00
SA-3050APKG	w/rechargeable internal battery & parallel printer output	\$ 1,300.00
AC10	A & C weighting filter	\$ 44.00
CPT10	Customized printer format, factory install only	\$ 100.00
RM10	Rack mount adapter	\$ 55.00
SC10	Soft carrying case, for analyzer, mic and cables	\$ 59.00

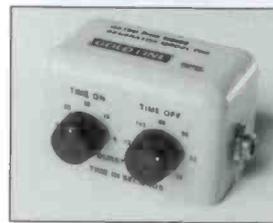
DOD RTA



RTA series II Real Time Analyzer has each of the 31 bands displayed in a vertical row of 5 LED's. It is switchable between 1dB steps in a 4dB window or 3dB steps in a 12dB window, with a built-in pink noise generator.

RTA Includes mic with 30' of cable, 1U **\$359.95**

GOLDLINE PINK NOISE GEN.



Goldline's Pink Noise Generators supply a flat noise source as a test signal for sound systems. The PN-2 is powered by a 9V battery which is turned on by the insertion of a 1/4" connector to the pink noise output and comes with an ABS plastic case. The PN-3 is a gated pink noise source complete with timer controls for "time on and off."

PN-2	\$ 89.95
PN-3	\$ 129.95

GOLDLINE AUDIO SPECTRUM ANALYZERS



The Gold Line 30M8 is a 1/3 Octave battery operated Audio Spectrum Analyzer complete with remote microphone and 8 memories which are active until the unit is turned off. It is also an accurate sound level meter and will read sound pressure levels in either A or C weighting. A calibrated Instrument microphone is provided which can be attached directly to the 30M8 via the XLR mic input or it can be removed via mic cable.

30M8	30 band RTA with 8 memories	\$ 699.00
CS30M	Case for 30M8	\$ 39.00

Goldline M-10 & ASA10-B

Goldline's handheld 10 band Audio Spectrum Analyzers measure from 32Hz to 16KHz on ISO centers. They feature a built-in microphone, fast or slow decay times, and line input.

M-10	10 band analyzer/built-in pink noise generator (no SPL)	\$ 299.95
ASA10-B	10 band analyzer with SPL (no pink noise generator)	\$ 355.00

GOLDLINE DSP-30



The DSP-30 features an 85dB sound window with scroll up/down that is large enough to capture the dynamic response of a room and is capable of detailed measurements with great accuracy. The 1/4dB precision measurement range permits the engineer to utilize standard Industry test tapes and view all frequencies simultaneously for faster tape head monitoring or service.

DSP-30	Digital 1/3 octave real time spectrum analyzer	\$ 1,500.00
OPT232	Optional RS232 port	\$ 315.00
OPTPRT	Optional printer port	\$ 250.00
OPTNVM	Optional non volatile memory	\$ 125.00
OPTRT60	Optional RT-60 mode	\$ 315.00
OPTSTA	Optional speaker timing analysis (requires OPTRT60)	\$ 250.00

OPTDAS Optional Distortion analysis \$ 250.00

Goldline Carry Cases

ASAC	For M-10, ASA-10B, SPL-120	\$ 17.98
CS-30M	For 30M8 (compartment for mic and pink noise)	\$ 39.00
DSP-M	For DSP-30 (compartment for mic and pink noise)	\$ 39.00

GOLDLINE SPL 120



The Goldline SPL 120 is a portable instrument designed to fill the need for accurate sound pressure level measurements, at all affordable price. It features: seven segment digital numeric display with SPL readings in dB, a built-in instrument microphone, and is battery or AC powered.

phone, and is battery or AC powered.

SPL120 **\$259.95**



EVENTIDE H3000-B



The H3000-B is an entire production department in a single box! This digital audio processor offers all the effects you need, without sacrificing any quality, convenience or effectiveness. The H3000-B features 14 Algorithms, including TimeSqueeze®, Stutter and Patch Factory; 80 Factory Presets for spontaneous on-air use; and a full complement of production-oriented reverbs, delays, and digitally-generated sound effects. A Function Generator and Soft Functions give one-button access to key parameters making programs quick and easy to use. The SE option offers multi-band delays, vocoder effects, additional reverbs, smoother pitch shifting and other sound enhancing effects.

H3000-B		\$2,995.00
H3000-B/SE	Broadcast/Enhanced Ultra Harmonizer	\$3,595.00

HS395 / HS322 Internal Sampling Board for H3000

The HS395 holds 95 seconds mono or 47.5 seconds stereo and the HS322 holds 23.7 seconds of mono or 11.8 seconds stereo. A full 16 bit, 44.1kHz audio quality ensures clean samples which can be pitch shifted over six octaves. They feature on-the-fly Time Compression/Expansion, a new Drum Triggering mode, and much more! Now a full commercial can be compressed internally without the need to manipulate a variable speed tape machine. Either of the boards is available as an option on new units or as a factory retrofit to existing H3000's.

HS322	22 second internal sampler board	\$ 995.00
HS395	95 second internal sampler board	\$1,995.00

EVENTIDE DSP4000



Eventide's new DSP4000 Ultra-Harmonizer® raises the power of digital audio processing to new levels of quality and flexibility, with AES/EBU digital I/O for all digital signal manipulation and a unique modular software architecture.

DSP4000		\$4,995.00
DSP4000B	Broadcast version	TBA

KLARK-TEKNIK DN780



The Klark-Teknik DN780 digital reverb processor with remote control

and midi card combines intuitive control with a more natural "added density"™ sound. Some of the features included are: 89 non-volatile memory locations, including hall plate, chamber and room reverbs; straight 0 to 2 second delay; multi-tap echo; versatile sound on sound; and reverse delay with obsolescence protection via E-prom programming.

DN780	Reverb/processor with remote & MIDI card	\$2,995.00
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LEXICON LXP-1



The Lexicon LXP-1 Digital Multi-Effects device offers superb sound quality, a full range of delay and reverb effects, fast intuitive programming, and

an industry-leading MIDI implementation, all at an affordable price. It has over 4000 distinct sounds accessible from the front panel, 128 user registers, and dynamic control for real time performance and sequencer based automation. Stereo 1/4" TS ins and outs.

LXP-1		\$549.00
LXP-R Rack Tray		\$30.00

LEXICON LXP-5



The Lexicon LXP-5 is capable of creating up to five simultaneous effects as well as 3 octaves of pitch shifting, extremely wide-range delay sweeps, chorusing, flanging, ambience and reverb. All of its parameters are accessible via its simple front panel controls or through Lexicon's Dynamic MIDI®. It has 64 permanent factory presets and 128 user memories. Designed as a complement to the LXP-1, they

fit side by side on the 1U LXP-R rack tray. Stereo 1/4" TS ins and outs.

LXP-5		\$ 549.00
LXP-R Rack Tray		\$ 30.00

LEXICON LXP-15



The Lexicon LXP-15 contains new versions of 3 popular algorithms found in the LXP-1 along with the multi-

effects and pitch change capabilities found in the LXP-5. The LXP-15 contains 128 factory presets and an additional 128 user registers. The LXP-15 is a full-rack device with a large 2 x 36 character display and has been carefully designed for fast and intuitive control directly from the front panel. The LXP-15 contains Dynamic MIDI® and includes 5 analog inputs for access to any parameter from footpedals or switches. Think of the fun DJ's can have with this! Unbalanced 1/4" inputs and outputs, 1U.

LXP-15		\$1,049.00
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LEXICON MRC MIDI REMOTE CONTROLLER



The Lexicon MRC allows virtually any MIDI synth or effect to be controlled by user assignable MIDI commands. The two external inputs will convert variable resistive controllers, greater than 50kΩ, like a volume pedal or joystick, into continuous MIDI controllers. The MRC features standard MIDI program changes, global setups, MIDI merging, a MIDI monitor, and bulk setup dumps. Lexicon System Exclusive MIDI commands allow access of up to eight parameters per program within the LXP-1 and remote access to all the parameters of the Lexicon LXP-5 and 15.

MRC		\$ 399.00
3.0	MRC V 3.0 software kit	\$ 99.00
4.0	MRC V 4.0 software kit	\$ 99.00



AUDIO PROCESSING - EFFECTS

ART 472 MULTIVERB



The Art 472 MultiVerb Alpha SE has 24 bit architecture with 24 reverb algorithms, more than 20 stereo delay algorithms, pitch transposer with over 2 octaves of pitch shift, has a built-in sampler, and has more than 60 effects of which you to mix and match up to 7 at once.

472

\$549.00

ART DRX-2100SE



The Art DRX-2100SE will perform 10 simultaneous audio functions; features 24 bit DSP; is a full function dynamics processor with compressing, limiting, programmable EQ, noise gate and expander; studio reverberator; and multi-effector. It gives you over 2 1/2 octaves of pitch shift, 12 reverb programs, 12 reverse and gated algorithms, over 20 types of delays, stereo panning, and complete MIDI Interface.

DRX-2100SE

Digital Multi-Effector/Pitch Transposer/Sampler

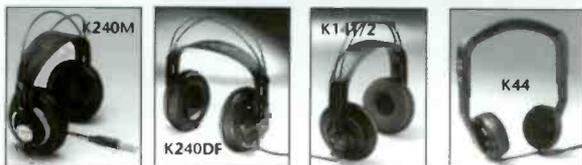
\$639.00

ART



HEADPHONES

AKG K SERIES



All AKG stereo headphones are designed for comfort and ease of use.

K240M	Deluxe monitor, fits around the ear, 15-20kHz, 600 Ω, 9'9" cable and std. stereo plug. Wt. 8.5 oz.	\$ 139.00
K240DF	Calibrated version of the K240M with flat frequency response	\$ 169.00
K141/2	Dynamic semi-closed, fits on top of the ear, high SPL, 20-20kHz, 600 Ω, 9'9" cable and std. stereo phone plug. Wt. 8 oz.	\$ 119.00
K44	Lightweight monitor, fits on top of the ear, 20-24kHz response, 50 Ω, combination 1/4" mini stereo phone plug. Wt. 3.5 oz.	\$ 59.00

AKG

BEYERDYNAMIC

KOSS

BEYERDYNAMIC



DT-100	Circumaural, closed, 30-20kHz, Specify 8/400/2kHz Ω, 10' cable w/std. plug, 12.3oz.	\$239.00
DT-770PRO	Circumaural, closed, 5-35kHz, 600Ω, w/10' cable and std. plug, 9.5oz.	\$299.00
DT-990PRO	Circumaural, open, 5-35kHz, 600Ω, w/10' cable and std. plug, 8.1oz.	\$339.00

KOSS



Koss headphones have a no questions asked, manufacturer's lifetime warranty. Koss headphones come with comfort, reliability and outstanding sound. Made in the U.S.A.



HV/1A Plus	Foam ear cushions 15-35kHz, 10' coiled cord	\$49.99
Pro/4AA	Closed, 10-22kHz, 10' coiled cord	\$99.99
Pro/480	Titanium nitride diaphragm, closed, adjustable headband	\$79.99
HV/Pro	Closed, 15-35kHz, volume/balance control on cord	\$59.99
Pro/4XTC	Closed, 10-20kHz, vinyl ear cushions	\$99.99
TD/75	Closed, 20-20kHz vinyl ear cushions, volume control on cord	\$39.99

HEADPHONES



FOSTEX



The closed T20RP, patented Regulated Phase system, which insures very low distortion, high output and long term reliability. All parts and assemblies secured by screws, assuring a long and useful life of easy maintenance. 20-30kHz, 50 Ω , 9'8" cable. Wt. 10.6 oz.

T20RP

\$109.00

FOSTEX

SENNHEISER

SONY

SENNHEISER



HD450MKII



HD490MKII



HD520MKII



HD250MKII

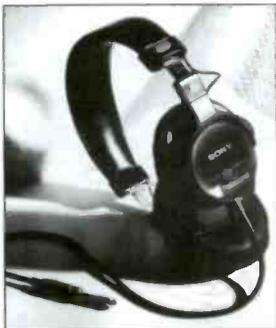


HD560MKII

All of the current Sennheiser headphones use neodymium magnets. Replacement ear cushions, drivers and headbands are available for most Sennheiser headphones. All headphones above come std. with 10' replaceable stranded steel cable with mini plug. 1/4" stereo phone adapter included.

HD450MKII	Open-Aire 20-20kHz response. 60 Ω .	\$ 99.00
HD450S	Studio same as above w/padded case 600 Ω .	\$ 109.00
HD490MKII	Open-Aire 18-22kHz. 70 Ω .	\$ 129.00
HD520MKII	Open-Aire 18-22kHz. 300 Ω .	\$ 169.00
HD540MKII	Open-Aire alum voice coil, damper 16-25kHz. 300 Ω .	\$ 199.00
HD560MKII	Open, silk diaphragm, 16-30kHz. 300 Ω .	\$ 279.00
HD250MKII	Closed, same drivers as HD540, 10-25kHz. 300 Ω .	\$ 239.00
HZR 6	Universal volume control cable, interfaces with any 1/8" stereo headphone jack. Made of kevlar-reinforced oxygen-free copper, with stereo/mono switch and independent slider-type left/right volume controls. Length 21 feet.	\$ 36.00

SONY MDR SERIES



These Sony headphones feature rugged design, folding construction, closed ear design, gold connectors and oxygen free cord.

MDR-7502	30mm driver unit, 10-20kHz	\$ 62.00
MDR-7504	30mm driver unit, 15-18kHz, carrying case	\$ 106.00
MDR-7506	40mm driver unit, 10-20kHz, carrying case	\$ 135.00



HEADPHONE AMPLIFIERS

WHIRLWIND HEADPHONE BREAKOUT BOX



HBB 1-in, 6-out passive stereo
headphone distribution system

\$120.00



U.S. Audio Headphone Satellite Module

SAT-1 Satellite module headphone box \$155.00

HEADPHONE AMPLIFIERS

MAKE/ MODEL	DIMENSIONS HxWxD	BALANCED INPUT	# CH.	POWER SUPPLY	OTHER FEATURES	OPTIONS	PRICE
ATI							
HD-100	1.5"x4.15"x5.5"	Y	1	B	Rubber feet for desk mt.		\$199.00
HD-1000	1.75"x8.5"x7"	Y	4	A	Panned mic input for annouc.		\$429.00
BENCHMARK							
HPA-1	N/A	N	1	C	Panel mount circuit card		\$ 70.00
EDCOR							
HA-400C	1.75"x12"x6.5"	Y	4	A	Master level control	Rack mt.: HA-400CRM @ \$21.00	\$231.00
HA-800C	1.75"x19"x8.4"	Y	8	A	Master level control		\$361.00
RADIO DESIGN LABS							
ST-SH1	"Stick-on"	Y	1	B*	Master level control L-R gain adjust.	ACB-1 @ \$18.95;	\$ 94.95
RANE							
HC-6	1.75"x19"x8.5"	Y	6	A			\$429.00
ROLLS							
RA-62HA	1.75"x19"x6.5"	N	6	A	Insert jacks; Master pan ctrl.		\$200.00
SHURE							
FP-12	3.2"x2.2"x5.7"	Y	2	D	One lv. ctrl.; Line lv. loop-thru		\$275.00
STEWART							
HDA-4	1.6"x17.1"x2.8"	Y	4	A	Master level control; Rack ears		\$299.00
SYMETRIX							
SX-204	1.5"x8.2"x6"	Y	4	B	Master level control	RM-2 @ \$39.00, SC-2 @ \$29.00	\$299.00

A=Built-in AC power supply

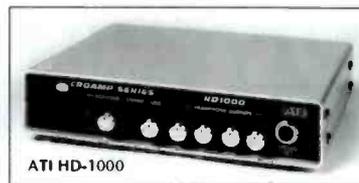
B=External wall-mount DC supply

C=External bipolar supply

D=Battery supply



ATI HD-100



ATI HD-1000



Stewart HDA-4



RDL ST-SH1



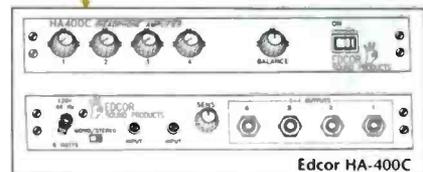
Shure FP-12



Symetrix SX-204



Rane HC-6



Edcor HA-400C

TURNTABLES



TECHNICS SL-1200MK2



The Technics SL-1200MK2 is a quartz-locked direct drive turntable that is virtually feedback-proof because of its special base design. The platter is damped on both sides to avoid ringing. Its high starting torque brings the platter to rated speed within 0.7 second. Includes base, tonearm and dust cover. 33 1/3 and 45 RPM ± 8% pitch control.

SL-1200MK2

\$499.95

SHURE CARTRIDGES

Model	Stylus Model	Tracking Force	Cartridge Price	Stylus Price
BC70	SS70		Discontinued	\$20.50
BC90	SS90		Discontinued	\$28.50
SC35C	SS35C	4 to 5 grams (spherical)	\$44.95	\$19.10
SC39EJ	SS39EJ	1 1/2 to 3 grams (elliptical)	\$78.30	\$29.95

We handle all Shure and Stanton cartridges and styli; please call for further information.

STANTON CARTRIDGES



Model	Stylus Model	Tracking Force	Cartridge Price	Stylus Price
681EEE MK III	D6800EEE III	1/4 to 1 1/2 grams	\$ 171.00	\$60.00
680EL*	D6800EL	2 to 5 grams	\$ 152.00	\$39.60
680AL*	D6800AL	2 to 5 grams	\$ 132.00	\$33.00
500AL*	D5107AL	2 to 5 grams	\$ 81.00	\$23.75
500E MK II	D50E MK II	1 to 2 grams	\$ 79.00	\$19.80

* for back cueing

PHONO PREAMPLIFIERS

MAKE/MODEL	FREQUENCY RESPONSE (Hz)	S/N RATIO	STEREO SEPARATION	OUTPUT LEVEL	OTHER FEATURES	PRICE
ATI						
P-100S	30-20K	80dB	>60dB	+18dBm	Selectable RIAA curve	\$ 299.00
P-1000-1	30-20K	80dB	>60dB	+22dBm	Xfmr balanced; Rack mountable	\$ 399.00
P-1000-2	30-20K	80dB	>60dB	+24dBm	Active balanced; Rack mountable	\$ 379.00
BRYSTON						
BP-1	20-20K	80dB	78dB	+27dBm	Selectable low filter; Rack mountable	\$ 695.00
BP-5	20-20K	95dB	78dB	+27dBm	3 Hi-level inputs; Rack mountable	\$ 850.00
LOGITEK						
BPA-200	RIAA Curve	68dB	>60dB	+23dBm	Bal. output, unbalanced input	\$ 399.00
RADIO DESIGN LABS						
ST-PH1	RIAA Curve	>70dB	>60dB	+4dBV	24VDC supply @ \$13.95	\$ 104.95
RAMKO						
xLSCM2	RIAA Curve	89dB*	70dB	+24dBm	Selectable rumble filters; Rack mountable	\$ 255.00
STANTON						
310B	RIAA Curve	>70dB	>60dB	+26dBm	120 or 240VAC	\$ 295.00
SHURE						
M64A	RIAA Curve	>70dB	>50dB	>+30dBm	Selectable E.Q.; 120V or 240V; & 24-36VDC	\$ 140.00



* A-WEIGHTED

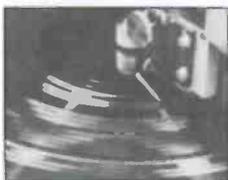
CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



RECORD MAINTENANCE

CBS

CBS TEST RECORD



The CTC 350 provides the signals necessary to measure the key performance parameters of turntables and tone arms.

CTC 350 \$20.00

DISCWASHER

DISCWASHER



Discwasher® D4+™ Record Cleaning System includes record cleaning pad with walnut handle, 1 1/4 oz. D4 + fluid and DC-1 pad grooming brush.

D4+	\$ 19.95
1 1/4 oz. refill	\$ 2.95
6 oz. refill	\$ 9.95
16 oz. refill	\$ 14.95

HENRY ENGINEERING



The Henry Universal Turntable Controller is a control interface that adds full remote control to popular direct-drive professional turntables. It converts the turntable's "single button" control logic so that separate START and STOP switches can be used to operate the turntable. The

turntable's start-stop switch can still be used for cueing records and will always remain in sync with the turntable.

Turntable Controller \$195.00



Discwasher® SC-2™ Stylus Care System includes a stylus cleaning brush with magnifying mirror mounted in American walnut handle. Includes SC-2 cleaning fluid.

SC-2	\$ 7.95
Refill Fluid .34 oz.	\$ 1.95

Discwasher® D'Stat® II is a Record Turntable Mat constructed of special carbon impregnated fibers to reduce the occurrence of static on turntables.

D'Stat® II \$ 12.95

Discwasher® V.R.P.™ is a smooth, static free sleeves for proper storage and care of your valuable record and laser disc collections. Ten sleeves per pack.

V.R.P. \$ 7.95

Discwasher® Zerostat™ Static Remover Gun Is an Anti-Static instrument that safely eliminates static electricity from record, CD, laser disc or virtually any surface.

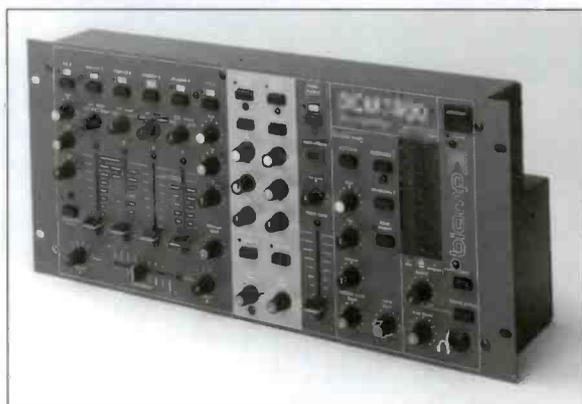
Zerostat \$ 59.95



DJ EQUIPMENT

BIAMP

BIAMP SCM7600



The Biamp SCM7600 is a complete stereo control center, designed to be the heart of a high quality club sound system, with two stereo phono inputs, eight stereo line inputs, and two mono microphone inputs. It has six independent stereo outputs, plus a subwoofer/mono output and a light send output, for maximum flexibility. Biamp has a five year warranty and is made in the U.S.A.

SCM7600 \$1,537.00

DENON DN-2000F



The Denon DN-2000F is a dual transport, rack mount CD player with a wired, rack mount controller. The controller features dedicated controls for each CD drive including instant start, pitch control, cue button, pause control pitch bend, and has a self locking transport to protect the laser when the power is turned off.

DN-2000F	\$1,250.00
DN-2200F	\$1,350.00
DN-2700F	\$2,300.00

DENON

We also handle Numark • Gemini • Stanton • Galaxy, and many more DJ products

Suppose ...

it's 2:00 AM and you need the Installation chapter from our RFC-1/B Dial-Up Remote Control instruction book. Call (615) 227-2393 from your fax machine and you've got it. Suppose you want the lowdown on our Thermal Sentry transmitter-condition-monitor and you don't want to talk to a salesperson. Call (615) 227-2393 and you've got it. Sales documents, technical documents, FCC information and general user tips. It's all on the Sine Systems *Fax-On-Demand* service and it's available 24 hours a day. Just call from your fax machine and follow the voice instructions. It's simple, efficient, innovative...that's sort of what Sine Systems is all about!

Partial List Of Available Documents:

Sales Literature:

101	RFC-1/B Dial-Up Remote Control	4 pages
102	SP-8 Heavy-Duty Surge Protector	1 page
103	ACM-1 AC Current Monitor (tower lights)	2 pages
104	TM-1 Temperature Monitor	1 page
105	RS-232 Serial Data Adaptor	2 pages
106	System 4 Software Upgrade (for older RFC-1's)	3 pages
110	DAI-1 Dial-Up Audio Interface	5 pages
111	DAI-RP Relay Panel Kit	1 page
112	DB-1 50-Millisecond Delay Board	1 page
113	CI-1 Composite Insertion Module	1 page
120	Thermal Sentry (transmitter condition monitor)	1 page
130	AFS-1 Dual-Channel Audio Failsafe (silence sensor)	1 page
199	Current Price and Availability—All Sine Systems Products	1 page

Technical Documents:

200	from the RFC-1/B Instruction Book; Section 5—Installation	9 pages
201	from the DAI-1 Instruction Book; Section 5—Installation	8 pages
202	from the Thermal Sentry Instruction Book; Section 6—Installation	4 pages
203	from the AFS-1 Instruction Book; Section 5—Installation	2 pages
220	Uninterruptable Power for the RFC-1	2 pages
221	Photosensor To Disable Tower-Lights Alarm During Daylight	2 pages

Other Documents of Interest:

300	EBS and the Walkaway Broadcaster	2 pages
301	"Oops" The Ten Most Common RFC-1 Installation Problems (and how to avoid every one)	2 pages
302	A reprint of the September 12, 1988 "Clarification Of The Rules" by the FCC concerning dial-up remote controls	2 pages
303	"Help!" How To Get Speedy Factory Service	1 page
305	FCC Field Offices (addresses and phone numbers)	2 pages

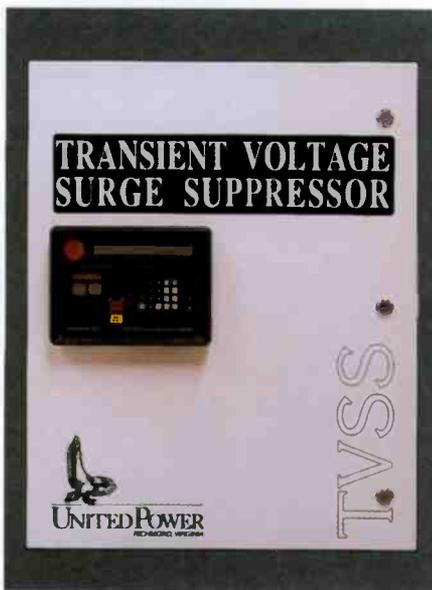


(615) 227-2393
— 24 Hours a Day —

SINE SYSTEMS

FAX-ON-DEMAND

...quite simply the finest TVSS you can buy!



Left: Model "SD" (Series Design) rated 400 amperes at 480VAC, three phase, "wye" configuration, featuring two ESP modules per phase, providing 120,000 amp surge current per phase and our series induction/filtering circuitry. Center: An "ESP" module, the heart of our TVSS product line providing either 30,000 or 60,000 amps of protection. Right: Model "PD" (Parallel Design) with optional disconnect switch. Note the accessibility of all components providing excellent service ability.

UNITED POWER is an industry leader in Transient Voltage Surge Suppression (TVSS). Our "ESP" family of TVSS products include a complete range of Parallel "PD" and Series "SD" TVSS systems. Both designs are UL listed to UL1449, and substantially exceed the stringent ANSI/IEEE C62.41 and C62.45 requirements. Additionally, our integral noise filter meets MIL-STD 220A for noise attenuation.

Your primary selection criteria for purchasing any TVSS system should be:

RESPONSE TIME: UNITED POWER utilizes an exclusive "hybrid" design which combines Metal Oxide Varistors (MOV's) and Silicon Avalanche Diodes (SAD's). MOV's are designed to handle large surge currents and are highly reliable. SAD's have fast response time (less than one nanosecond). This combination allows UNITED POWER TVSS to have virtually instantaneous clamping response (SAD's) and still divert large amounts of current (MOV's).

CLAMPING VOLTAGE: In order to be listed by Underwriters Laboratory under their UL1449 TVSS specification a manufacturer must submit it's equipment for test to determine the levels of protection provided by the TVSS. One of the test values is clamping voltage. The lower the clamping voltage the sooner the TVSS begins doing it's job. UNITED POWER has the lowest published clamping voltage of ANY manufacturer. Competitor's TVSS equipment can pass surges and transients 90 to 1200 volts higher than the UNITED POWER product.

MAXIMUM SURGE CURRENT: Don't be misled by manufacturers who total the line to line (LL), line to neutral (LN) and neutral to ground (NG) surge-currents in order to list inflated values. The important questions to ask are: 1) What is the maximum surge current rating in each mode of protection: LL, LN, NG? 2) Will the manufacturer provide independent laboratory test data to confirm those numbers? UNITED POWER offers superior clamping ratings in sizes to meet all users requirements.

UNITED POWER's TVSS offerings are the most comprehensive in the industry, UNITED POWER also offers many monitoring features unavailable on other TVSS products, including microprocessor based systems with remote monitoring and diagnostic features. The UNITED POWER TVSS products are covered under the most comprehensive five year parts and labor warranty in the industry.

TVSS Specifications

Features	PD-30	PD-60	PD-120	PD-180	SD 30-400	SD 600-4000
Connection Method						
Parallel	●	●	●	●	N/A	N/A
Modified Series	Option	Option	Option	Option	N/A	N/A
Series	N/A	N/A	N/A	N/A	●	●
Modes of Operation						
Normal Mode(L-N, L-L)	●	●	●	●	●	●
Common Mode (L-G, N-G)	●	●	●	●	●	●
Operating Parameters						
Frequency Range	45-450kHz	45-450 kHz	45-450kHz	45-450kHz	45-450kHz	45-450kHz
Nominal RMS Current/Phase	Unlimited	Unlimited	Unlimited	Unlimited	30-400A	600-4000A
1 KHZ Forward Tracking Impedance	<2 OHMS	<2 OHMS	<2 OHMS	<2 OHMS	<2 OHMS	<2 OHMS
Protection Parameters						
Maximum Surge Current	30,000 A	60,000 A	120,000 A	180,000 A	120,000 A (std) 180,000 A (Opt)	180,000 A
EMI/RFI Noise Suppression (MIL Std 220A) 50 OHM Insertion Loss Test	40DB	40DB	50DB	50DB	60DB	60DB
Sinewave Tracking	+/-20%	+/-20%	+/-20%	+/-20%	+/-20%	+/-20%
Clamping Values						
Initial Peak Clamping Voltage						
120, 120/240, 120/208	195	195	195	195	195	195
208	370	370	370	370	370	370
240	410	410	410	410	410	410
277, 277/480	485	485	485	485	485	485
480	865	865	865	865	865	865
600	1085	1085	1085	1085	1085	1085
Maximum Clamping Voltage (8x20 Waveshape @ 3000A)						
120, 120/240, 120/208	360	360	350	350	33	330
208	735	735	720	720	705	705
240	745	745	730	730	720	720
277, 277/480	760	760	745	745	735	735
480	1315	1315	1295	1295	1275	1275
600	1635	1635	1585	1585	1550	1550
Monitoring						
Standard Level I	●	●	●	●	●	●
Standard Level II	Option	Option	●	●	●	●
Focus Level I	N/A	N/A	Option	Option	Option	Option
Focus Level II	N/A	N/A	Option	Option	Option	Option
Focus Level III	N/A	N/A	Option	Option	Option	Option
Enclosure						
NEMA 12	●	●	●	●	●	●
NEMA 3R (Rainproof)	Option	Option	Option	Option	Option	Option
● = Standard						

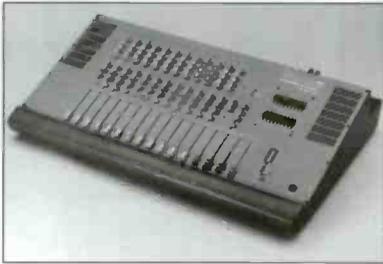
UL 1449 Listed • Tested to ANSI / IEEE C62.41, C62.45 Categories A, B, and C • Life Cycle tested for withstanding more than 1000 surges at Category C

UNITED POWER

TVSS Division



BIAMP INTEGRITY TRIPower



The Biamp Integrity TriPower3 powered mixing console is a flexible 12-channel, phantom powered mic/line, with two 9-band EQ's, and three 150 watt, passively cooled, Mosfet amplifiers. These individual components may be assigned to various

system configurations, including combined power. Covered by Biamp's five year warranty. Made in the U.S.A.

Integrity TriPower3	12-channel	\$2,499.00
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BIAMP MIXPAK



The Biamp MixPak Plus+ 5U powered mixer has excellent sonics, rugged construction, and professional features with a manufacture warranty of five years. Made in the U.S.A.

MixPak 6/300	6-channel mixer w/300 Watts into 4Ω	\$ 722.00
MixPak 8/300	8-channel mixer w/300 Watts into 4Ω	\$ 822.00
RWM	Rack wings	\$ 35.00

ELECTRO-VOICE 100M/200M/61PMX/81PMX



Electro-Voice powered mixers deliver high sonic quality and versatility in a variety of sizes and configurations. These mixers can be used with the 100S and S-200 speakers and the 100BK speaker stand to form a compact, portable sound system.

100M	8-channel, 100/100 Watt, 8-Ω, stereo	\$1,998.00
61PMX	6-channel, 200 Watt, 4Ω, mono w/phantom power	\$1,072.00
81PMX	8-channel, 200 Watt, 4Ω version of the 61PMX	\$1,226.00

RADIO DESIGN LABS ST-MX3, ST-MMX3, ST-MLX3



Radio Design Lab's ST-MX3, ST-MMX3 or ST-MLX3 - anywhere you need to mix mic or line level signals with individually adjusted inputs. Expand your system by combining these modules.

ST-MX3	line level 3 in 1 out mixer	\$94.95
ST-MMX3	3 mic to 1 line out mixer	\$104.95
ST-MLX3	1 mic & 2 line in to line out mixer	\$99.95
Power Supply	will power up to six of the above modules	\$13.95

TOA MX-401



Toa MX-401 is a compact, 4-channel self-powered mixer with 150 watts into 4 ohms. Each input channel has its own level control, a two-band equalizer, pre-EQ and post-EQ sends, and balanced/unbalanced inputs. One program and one foldback output are provided. The master control section features a patchable 5-band graphic equalizer, a 3-spring reverb, a full patch bay with phone and tape inputs. Power amp protection circuitry and Auto Comp compression, both include LED status indicators.

MX-401		\$ 618.00
MX-101	Four channels, 75W	\$ 438.00
MX-601	Six channels, 300W	\$ 1,078.00

BIAMP

ELECTRO-VOICE

RADIO DESIGN LABS

TOA



LOUDSPEAKERS

COMMUNITY

ELECTRO-VOICE

GALAXY

JBL

KLIPSCH

RAMSA



LOUDSPEAKERS

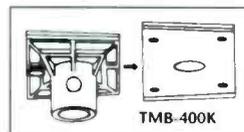
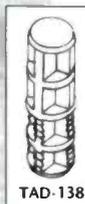
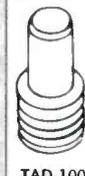
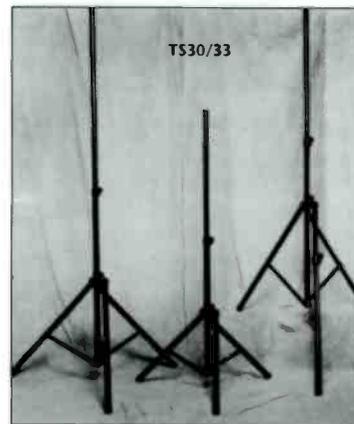
MAKE/ MODEL	FREQ. RESP.	IMP.	RMS PWR	SENSITIVITY	DRIVERS ♦ ♦	ENCLOSURE STYLE	HxWxD (Approximate)	WEIGHT	PRICE
COMMUNITY									
CSX25	70-18K	8Ω	100W	97.5dB	12"-W PZT horn	Black carpeted/wood	18.25x15x13.5	32 lbs.	\$ 335.00
CSX35	60-18K	8Ω	150W	99.5dB	15"-W PZT horn	Black carpeted/wood	23.75x17.25x13.5	43 lbs.	\$ 408.00
CSX57	40-18K	4Ω	300W	102dB	2x15"-W 1"-CD PZT horn	Black carpeted/wood	33.5x26.75x18	110 lbs.	\$ 747.00
ELECTRO-VOICE									
100S	80-18K	8Ω	100W	96dB	12"-W 1.5"-T	Foam-filled molded plastic	24x18x8.5	28 lbs.	\$ 644.00
S-200S	90-18K	8Ω	300W	96dB	12"-W 1.5"-T	Foam-filled molded plastic	24x18x8.5	36 lbs.	\$ 822.00
GALAXY									
Pro Spot II	40-18K	8Ω	200W	96dB	15"-W 1.5"-T	Molded polymer wedge	19x27x13.5	45 lbs.	\$ 689.00 \$ 739.00
JBL									
Control-12SR	55-16K	8Ω	200W	97dB	12"-W 1.5"-H	Molded thermo plastic	24x17x12	44 lbs.	\$ 825.00
SR4722	50-17K	8Ω	600W	98dB	12"-W 1"-H	Fabric laminated trapezoid	28x20x13.5	57.5 lbs.	\$ 875.00
SR4725	35-18K	8Ω	600W	97dB	15"-W 1"-H	Fabric laminated trapezoid	29.5x25x18	78 lbs.	\$ 1095.00
KLIPSCH									
KP-201A	50-20K	8Ω	100W	96dB	12"-W 1.5"-M 1"-T	Painted plywood	22.5x16.5x13.5	38 lbs.	\$ 480.00
KP-250A	65-20K	8Ω	150W	101dB	12"-W 1.5"-M 1"-T	Painted plywood	22.5x16.5x13.5	49 lbs.	\$ 650.00
KP-301A	45-20K	8Ω	200W	101dB	15"-W 1.5"-M 1"-T	Painted plywood	32.5x20.9x16.9	82 lbs.	\$ 870.00
RAMSA									
WS-A80	65-18K	8Ω	80W	92dB	8"-W 1"-H	Molded resin	11x17x9.3	16.5 lbs.	\$ 350.00
WS-A200	70-20K	8Ω	125W	98dB	12"-W 1"-H	Molded resin	15.5x22x10.75	35 lbs.	\$ 760.00

** W=WOOFER; M=MID-FREQUENCY; T=TWEETER; H=HORN; CD=COMPRESSION DRIVER



SPEAKER STANDS

ULTIMATE SPEAKER STANDS



Ultimate Support Tripod Stands with bags

TS-30T	Standard tripod, silver, max. hgt.: 6'7", 75 lb. capacity	\$ 105.00
TS-30BT	Standard tripod, black, max. hgt.: 6'7", 75 lb. capacity	\$ 120.00
TS-33T	Standard tripod, silver, max. hgt.: 9'2", 100 lb. capacity	\$ 125.00
TS-33BT	Standard tripod, black, max. hgt.: 9'2", 100 lb. capacity	\$ 145.00
TS-33AT	Standard articulating leg tripod, silver, max. hgt.: 9'2", 100 lb. cap.	\$ 155.00
TS-33ABT	Standard articulating leg tripod, black, max. hgt.: 9'2", 100 lb. cap.	\$ 174.00

Ultimate Support Ultilock Tripod Stands with bags

TS-40T	Standard Ultilock tripod, silver, max. hgt.: 6'7", 75 lb. capacity	\$ 125.00
TS-40BT	Standard Ultilock tripod, black, max. hgt.: 6'7", 75 lb. capacity	\$ 140.00
TS-44T	Standard Ultilock tripod, silver, max. hgt.: 9'2", 100 lb. capacity	\$ 145.00
TS-44BT	Standard Ultilock tripod, black, max. hgt.: 9'2", 100 lb. capacity	\$ 165.00
TS-44AT	Standard Ultilock articulating leg tripod, silver, max. hgt.: 9'2"	\$ 175.00
TS-44ABT	Standard Ultilock articulating leg tripod, black, max. hgt.: 9'2"	\$ 194.00

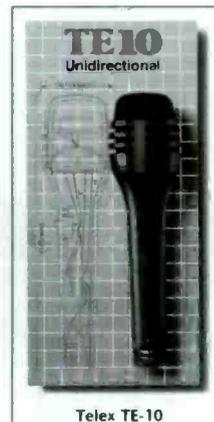
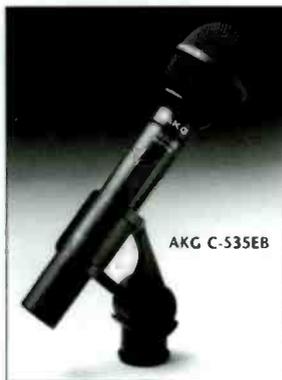
Accessories

BMB-200K	Large mounting bracket w/mounting hardware	\$ 22.00
TMB-400K	Two-piece slide mounting bracket w/mounting hardware	\$ 21.00
TSM150K	Socket mounting bracket w/mounting hardware	\$ 16.00
TAD-100	Adapter stud for mounting speakers with 1" diameter socket	\$ 11.50
TAD-138	Adapter stud for mounting speakers with 13/8" diameter socket	\$ 11.00

We also carry the complete line of Atlas mic and speaker stands

ULTIMATE

PERFORMANCE MICS



AKG

AUDIO TECHNICA

BEYERDYNAMIC

ELECTRO-VOICE

SENNHEISER

SHURE

SONY

TELEX

PERFORMANCE MICROPHONES

MAKE/ MODEL	(1) TRANSDUCER	(2) PATTERN	IMP.	CONN.	FREQUENCY RANGE	(3) SENSITIVITY	SPL	SIZE	WEIGHT	PRICE
AKG										
C-535EB	C	C	200Ω	XLR	20-20K	7mV	144dB	1.0x7.2	11.2 oz.	\$ 399.00
D-190E	D	C	200Ω	XLR	30-15K	2.3mV	130dB	1.60x6.3	6.4 oz.	\$ 179.00
AUDIO TECHNICA										
AT814a	D	C	250Ω	XLR	50-16K	-56dB		2.0x6	9.6 oz.	\$ 300.00
BEYERDYNAMIC										
M69	D	HC	200Ω	XLR	50-16K	2.3mV		1.0x7	11.2 oz.	\$ 359.00
M88	D	HC	200Ω	XLR	30-20K	2.3mV		1.0x6.9	11.2 oz.	\$ 579.00
M300	D	C	250Ω	XLR	50-15K	1.2mV		1.20x6.7	8 oz.	\$ 259.00
ELECTRO-VOICE										
RE-10	D	HC	150Ω	XLR	90-13K	-56dB		.750x6.8	6.4 oz.	\$ 259.00
RE-15	D	HC	150Ω	XLR	80-15K	-56dB		.750x6.6	6.4 oz.	\$ 389.00
RE-18	D	HC	150Ω	XLR	80-15K	-57dB		.750x7	8 oz.	\$ 437.00
SENNHEISER										
MD431U	D	HC	250Ω	XLR	40-16K	1.4mV		1.250x7.9	8.8 oz.	\$ 479.00
SHURE										
SM58LC	D	C	150Ω	XLR	50-15K	-76.5dB		2.0x6.4	10.6 oz.	\$ 188.75
Beta 58	D	HC	150Ω	XLR	60-16K	-71dB		2.0x6.4	9.6 oz.	\$ 266.00
SONY										
F-720	D	C	300Ω	XLR	50-11K	-60dB		1.50x6.4	9.6 oz.	\$ 153.00
F-730	D	C	300Ω	XLR	50-11K	-59dB		1.750x6.6	8.8 oz.	\$ 153.00
TELEX										
TE-10	C	C	200Ω	XLR	30-20K	-75dB	140dB	.900x6.5	8 oz.	\$ 161.00
TD-11	D	C	250Ω	XLR	50-16K	-77dB		.960x6.75	9.6 oz.	\$ 161.00

(1): C = Condenser; D = Dynamic (2): O = Omnidirectional; C = Cardioid; HC = Hypercardioid; 8 = Figure Eight
 (3): Sensitivity in dB's or mV/Pa, where 0dB=1V/microbar & 1mV/Pa=10mV/microbar; Ø=Diameter

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



ROAD CASES

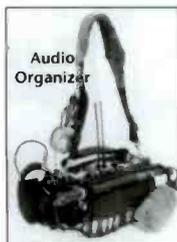
PORTA-BRACE

SKB

STAR

VIKING

PORTA-BRACE



Audio Organizer



Run Bags



Cargo Case



RM-Multi w/Mixer

Porta-Brace has a case for any of your field production crews needs, see page 63 for more Porta Brace or call Broadcasters General Store for a Porta-Brace catalog.

Audio Organizer	Inside measurements 6"W x 8"H x 14"L	\$218.00
RM-Multi w/Mixer		\$116.00
RB-1	Run bag, 7"W x 9 1/2"H x 18"L	\$128.00
RB-2	Run bag, 7"W x 9 1/2"H x 21"L	\$133.00
RB-3	Run bag, 7"W x 9 1/2"H x 25"L	\$138.00
CAR-1	Cargo case, inside measurements 8"W x 10"H x 13"L	\$154.00
CAR-2	Cargo case, inside measurements 8"W x 10"H x 18"L	\$158.00
ARR-222	Marantz PMD case	\$175.00
AR-D5	Sony TC-05 case	\$175.00
AR-D10	Sony TCD-D10 Pro case	\$175.00

SKB CASES



SKB-19



SKB-1200

SKB cases are stackable, lightweight, and made of a strong polyethylene material. The draw tight latch covers are gasket-sealed to keep out moisture and dirt. With the front cover removed, the mounting flange is close to the edge, which makes it easy to read the dials and LCD screens on your equipment. The snap-in case hardened hardware allows for easy replacement of mounting nuts if failure should ever occur. Comes with mounting hardware. Outside rack (OD) dimensions are 21 1/2" wide and 20 1/2" deep, lids 2 1/2".



SKB-1713F



SKB-1904



SKB-88F

SKB-19-2U	2U effects rack with front and rear covers, 13 lbs.	\$ 149.95
SKB-19-4U	4U effects rack with front and rear covers, 15 lbs.	\$ 169.95
SKB-19-6U	6U effects rack with front and rear covers, 18 lbs.	\$ 189.95
SKB-19-8U	8U effects rack with front and rear covers, 21 lbs.	\$ 219.95
SKB-19-10U	10U effects rack with front and rear covers, 23 lbs.	\$ 239.95
SKB-19-12U	12U effects rack with front and rear covers, 26 lbs.	\$ 259.95
SKB-908U	8U shock mount rack	\$ 399.95
SKB-912U	12U shock mount rack	\$ 499.95
SKB-916U	16U shock mount rack	\$ 599.95
SKB-922U	22U shock mount rack	\$ 699.95
SKB-1904	Caster kit for all SKB ATA effects racks, 8 lbs.	\$ 76.95

SKB-19-AC1	Rack mount nut and bolt kit (12 sets)	\$ 9.95
SKB-88	Road duty attache case with files, OD 18 1/4"x5 5/8"x14 3/4", 10 lbs.	\$ 145.95
SKB-88F	Road duty attache case with dice foam, 10 lbs.	\$ 142.95
SKB-600	6 hole ATA microphone case, OD 14 3/4"x13"x12 1/2", 9 lbs.	\$ 142.95
SKB-1200	12 hole ATA microphone case, OD 18 1/4"x15"x14 1/2", 13 lbs.	\$ 169.95
SKB-1713	Heavy duty ATA equipment case, OD 18 1/4"x15"x14 1/2", 11 lbs.	\$ 119.95
SKB-1713F	Heavy duty ATA equipment case with foam, 11 lbs.	\$ 159.95
SKB-2416	Heavy duty ATA equipment case case, OD 24 1/2"x15 3/8"x19 1/2", 16 lbs.	\$ 169.95

STAR CASE



Star Case specializes in both customized case interiors and exteriors. They work with numerous densities and grades of polyester and polyethylene foams, anti-statics, cubed foams, special cotton and synthetic material lining, hidden compartments, roll-out desk surfaces, roll-in ramps, and special partitioning devices for all types of audio, video, and computer magnetic media. Contact Broadcasters General Store for a Star Case catalog.

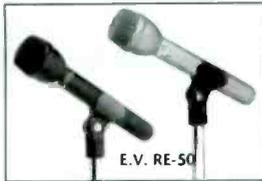
VIKING CASE



All Viking cases can be customized to fit your requirements and budget. Standard case designs available are: DJ cases, standard or shock-mounted rack cases, double-wide rack cases, pull-over rack cases, and music cases. Some of the options are: rear rack rails, a variety of casters or rubber feet, locks, corner and fastener

hardware, waterproofing and special foam. Normal turnaround time of seven to ten working days with no additional charges for rush orders! Call Broadcasters General Store for a Viking catalog.

ENG/EFP MICS



AKG

AUDIO TECHNICA

BEYERDYNAMIC

ELECTRO-VOICE

SHURE

SONY

TELEX

ENG/EFP MICROPHONES

MAKE/ MODEL	(1) TRANSDUCER	(2) PATTERN	IMP.	CONN.	FREQUENCY RANGE	(3) SENSITIVITY	SPL	SIZE	WEIGHT	PRICE
AKG HD-130NR	D	O	220Ω	XLR	50-14K	1.7mV		1.7 Ø 6.8	4.9 oz.	\$159.00
AUDIO TECHNICA AT-804	D	O	600Ω	XLR	50-15K	3.5mV		.83 Ø 5.9	8 oz.	\$158.00
BEYERDYNAMIC M-58	D	O	200Ω	XLR	40-20K	1.3mV		.9 Ø 10.25	9.1 oz.	\$249.00
ELECTRO-VOICE 635A, 635A/B	D	O	150Ω	XLR	80-13K	-55dB		.75 Ø x6	6 oz.	\$150.00
DO56L	D	O	150Ω	XLR	80-18K	-61dB		.75 Ø x11.5	6 oz.	\$217.00
RE-50	D	O	150Ω	XLR	80-13K	-55dB		1 Ø 7.8	9.5 oz.	\$224.00
RE45N/D	D	C	600Ω	XLR	50-15K	-50dB		1.9 Ø 11.5	8 oz.	\$489.00
SHURE VP-64	D	O	330Ω	XLR	50-12K	-52dB		.75 Ø 7.8	6 oz.	\$135.00
SM63-LC	D	O	150Ω	XLR	50-20K	-56.5dB		1.25 Ø 9.2	4.3 oz.	\$168.00
SONY ECM-510	C	O	250Ω	XLR	40-17K	3.16mV	126dB	.34 Ø 14.3	4.4 oz.	\$410.00
TELEX TD-14	D	O	200Ω	XLR	50-15K	-59dB		1 Ø 6.5	10.1 oz.	\$135.00

(1): C=Condenser; D=Dynamic

(2): O=Omnidirectional; C=Cardioid
Ø = diameter

(3): OdB=1V/microbar; mV=mV/Pa; 10mv/Pa=1mV/microbar

HEADSETS



AKG K18 DUAL



The AKG K18 is a lightweight boom set with two mono connected dynamic earphones and a noise-cancelling dynamic microphone. Includes foam ear cushions, 3'4" non-detachable cable. Weighs 4.5 oz.

K18

\$139.00

AKG K270HC



The AKG K270HC high fidelity boomset incorporates C410 boom condenser hypercardioid microphone, designed for professional vocals, mounted on K270S stereo headphone. Swinging boom arm up/down switches mic off/on and headphone automatically mutes when take them off. Includes 10' non-detachable cable. Comes prewired with XLR/preamp for mic which requires phantom power, and 1/4" stereo phone plug for headphones. Weighs 12.5 oz.

K270HC

\$429.00

AKG Q34



The AKG Q34 has stereo dynamic earphones and a flexible boom with a dynamic noise-cancelling mic. Comes with a 4'8" non-detachable cable, H45 cable clip, and W-40 windscreen. Weighs 10.5 oz.

Q34

\$189.00

ASTROLITE 2636-G1



The Astrolite 2636-G1, double-sided headset has a dynamic mic, and a coil cord with a "Y" junction for installing separate connectors (connectors not included).

2636-G1

\$239.00

AKG

ASTROLITE



HEADSETS

ASTROLITE

BEYERDYNAMIC

SENNHEISER

SHURE

TELEX

ASTROLITE 2637-G1



The Astrolite 2637-G1 is the perfect sportscaster headset for environments with crowd noise or other background interference. Its noise-cancelling electret microphone is mounted on a double-sided headphone and comes with polarization circuitry. The coil cable has a "Y" junction for separate connectors (connectors not included), and is phantom or battery powered.

2637-G1

\$359.00

BEYER DT 190



The Beyer DT 190 is excellent for long term wearing without fatigue. It has a noise canceling mic impedance 200/250, studio quality monitor transducer, high SPL capability, and is modular in design for easy servicing.

DT 190

\$399.00

SENNHEISER HMD 224



The Sennheiser HMD 224 has a closed headphone with 16-20,000 Hz response and a supercardioid dynamic mic with 50-12,000 Hz response. Sealed ear cushions and directional mic reduces surrounding noise. Serviceability is assured by easy disassembly of all components. The cable ends in pigtails to permit stereo or dual mono connection. Weight 26 oz.

HMD 224

\$330.00

SHURE SM-2



The Shure SM-2 is a professional headset with a dynamic cardioid microphone and dual headphones. Microphone element is designed for excellent rejection of noise. The SM-2 has large, pillow-soft ear pads for external noise isolation and a double braced, covered metal headband

with a detachable cable that allows quick and easy cable changes for mono, stereo or split feed headphone functions.

SM-2

\$244.00

TELEX PH-24



The Telex PH-24 has a full studio quality electret condenser microphone sound plus lightweight comfort. The PH-24 miniature noise cancelling electret microphone provides an extremely flat frequency response with significantly attenuated background noises and comes with a push to cough switch.

PH-24

\$233.00

BEYER DT 108 & DT 109



The Beyer DT 108 and DT 109 dynamic headsets have a noise-cancelling mic, with a frequency range of 30-20,000 Hz. These rugged, field-serviceable headsets have headphone transducers that feature extended frequency response for clear, audible speech transmission. The protective earcup attenuates up to 20 dB of ambient noise. Please specify headphone impedances of 50Ω (RTS), 400Ω (CC), or 600Ω, mic impedance of 200Ω or 600Ω,

and color choice of black or gray. Comes supplied with a 5' open ended cable.

DT 108	Single-muff	\$ 269.00
DT 108.4	Same as above w/built-in pre-amp, balanced mic, for interface with carbon inputs available in 400Ω, 600Ω, or 2000Ω, gray only	\$ 379.00
DT 109	Dual-muff	\$ 329.00
DT 109.4	Same as above w/built-in pre-amp, balanced mic, available in 400Ω, 600Ω, or 2000Ω, gray only	\$ 399.00
WS-108/109	Windsceen	\$ 6.95
K 109.0	5' open-ended cable	\$ 29.00
K 109.00	10' open-ended cable	\$ 34.00
WK 109.00	10' coiled open-ended cable	\$ 45.00

TELEX V-SERIES



The Telex V-Series professional, high fidelity, headsets and headphones are modular in design. Two microphone capsules, and a wide variety of five foot cord sets that plug into the headset using self-locking "Hirose" connectors are available.

V-200	Round, full cushion dual headphone	\$ 127.00
V-210	Single sided with boom	\$ 105.00
V-220	Double sided with boom	\$ 147.00
MB-11	Cardioid dynamic, 150Ω	\$ 42.00
MB-12	Cardioid electret, 150Ω	\$ 42.00
CA10	XLR-3 male/1/4" w/ps and PTC switch for electret	\$ 137.00
CA-11	XLR-3 male/1/4" w/PTC switch for dynamic	\$ 93.00
CA-20	XLR-4 female	\$ 45.00
CA-22	XLR-4 male	\$ 45.00
CA-30	XLR-5 female	\$ 58.00
CA-33	XLR-5 male	\$ 58.00
CA-40	Sony 1/8" mini 4-conductor	\$ 55.00
CA-50	Mono 1/4" for headphones	\$ 45.00
CA-60	Stereo 1/4" for headphones	\$ 45.00
CA-70	6-conductor, tinned ends	\$ 40.00
CA-80	Mini 1/8" stereo for headphones	\$ 45.00



CELLCAST RSB-4000



The Cellcast RSB-400 four channel mixer can save you time and money on your remote broadcasts. Cellcast has the flexibility to transmit via cellular or land-line so that no matter what the situation calls for you can be on the air within minutes. This unit comes in a heavy duty carrying case, complete with frequency extender encoder, antenna, 12V adapter, AC power supply, and ten ni-cad

rechargeable batteries. Dimensions 13 5/8" x 5 1/32" x 9 3/4", weight 15.5 lbs. Relieve the remote broadcast headaches. Call Broadcasters General Store to arrange for a demo.

RSB-4000

\$2,950.00

See headsets on pages 133 & 134 & frequency extender on page 139.

RADIO DESIGN LABS RU-MX5



Radio Design Labs RU-MX5 is a five input mixer, four mic/line plus one line. This is one of the first products to be offered in the Rack-Up™ series. It

is phantom powered, balanced or unbalanced in and will fit three across in 1U. RDL has a three year warranty.

RU-MX5

\$189.00

SHURE FP32A



Shure FP32A is a stereo version of the FP31 audio mixer, with a center-detented stereo pan pot for each input channel, plus a concentric clutched stereo master gain

control. Includes all FP31 convenience features, plus a monitor input for the headphone circuit.

FP32A

\$1,495.00

SHURE FP42



The Shure FP42 has all the features and ruggedness of the M267 plus full stereo capability which makes it perfect for stereo mix-

down in editing suites. All four inputs are transformer-balanced mic/line, with two stereo outputs. The FP42 has pull-pot mic cuing on all inputs for channel previewing.

FP42

\$ 1,050.00

A16R Rack Mount

\$ 32.00

ELECTRO-VOICE ELX-1R



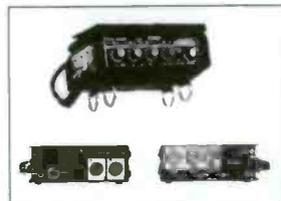
The rack-mount Electro-Voice ELX-1R features four balanced mic/line inputs, phantom power, switchable output limiter, low cut filters, and is powered by AC or

three 9V batteries. Headphone output has a separate power amp and level control and will drive any type of headphones or small speaker. Level setting is easy with the built-in tone oscillator.

ELX-1R

\$614.00

SHURE FP31



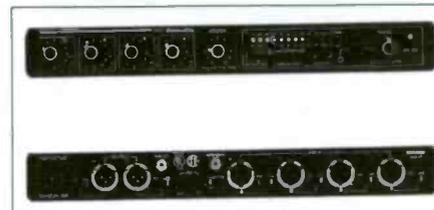
The Shure FP31 audio mixer includes three XLR transformer balanced mic/line inputs and two XLR mic/line outputs. Additional features include: VU meter, timed meter lamp, peak LED overload/limiter indicator, adjustable limiter, tone oscillator, mini and 1/4" headphone jacks, phantom and A-B power,

tape-out mini jack. Built-in switchable slate tone and microphone make it easy to mark takes. Powered by two (three for A-B) 9V batteries or AC.

FP31

\$1,095.00

SHURE FP410



The Shure FP410 is a portable mixer that automatically keeps unused mics turned down and will only allow one mic to be activated for each source. When someone speaks the Noise Adaptive Threshold activates within 4 milliseconds for speech, not room noise. The last used mic is kept on until a new one is activated to assure a consistent background ambience. The FP410 can control multiple wireless

mics, work in the effects loop of a multi-channel console and switch to a redundant mic if the primary fails. Up to 25 FP410s can be linked for even greater versatility. The FP410 has four inputs and two outputs all transformer balanced, mic or line switchable. Other features include: 48V phantom power, tape output jack, low cut filters, 1kHz tone oscillator, adjustable peak limiter with LED indicator, switchable peak VU meter, 1/4" and mini headphone jacks and a monitor in jack to connect an external source to the headphone amp. Powered with two 9V batteries or 120/240 VAC.

FP410, rack ears included

\$1,595.00

SHURE M267



Shure's M267 features include: a switchable limiter, phantom power, LED peak indicator, headphone jack with level control, automatic muting circuit, battery check function, tone oscillator, mic line switches on each input and output, low-cut switches on each of four transformer-balanced inputs, and is powered by three standard 9-V batteries or AC.

M267

\$535.00

A268R Rack Mount

\$ 30.00



REMOTE MIXERS

SHURE

TELFAX

ZERCOM

ATI

WHIRLWIND

SHURE M268



Shure's M268 is a compact, light-weight, 5-Input mixer with Individual volume controls for each channel plus master volume. It includes four transformer-coupled low-Impedance balanced microphone inputs, and four high impedance 1/4" phone jack inputs

plus a high level aux input. The M268 also has switchable phantom power, mix bus, mic level transformer balanced output and aux level unbalanced output.

M268	\$ 325.00
A268R Rack Mount	\$ 30.00

TELFAX GX SERIES



The Telfax GX-440 has all the features of the GX-400 plus a second phone line that allows the announcer to air calls from listeners while at the remote site. This second line can also be fed to the announcers headset to listen for cues from the studio while broadcast-

ing. An indicator light silently signals in-coming calls on Line 2, and separate switches for line selze and line 2 muting are provided so callers can hear announcer audio but are not "on air" until he un-mutes their line. The dial pad may be used for originating calls on either of the two lines. The GX-440 also features up-down event timer with large LCD display.

GX-440	\$ 1,250.00
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The Telfax GX-300 has the following features: limiter and auxiliary output, squelch/mute, rechargeable nicad batteries, tone or pulse dialing, radio monitoring switch and jack, three headphone jacks, active balanced mic inputs, transformer balanced aux input jacks, electronic ringer to detect incoming phone calls, modular phone jack and matching 6 foot cable. All units are 1.5"H x 6.1"D x 9.4"W and weigh 2.7 lbs.

GX-300 3-channel has all the above features	\$ 950.00
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The Telfax GX-400 has all the features of the GX-300 plus four microphone channels, one more headphone jack, two auxiliary inputs, a cue channel (channel 4), and a test tone oscillator.

GX-400	\$ 1,050.00
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ZERCOM MAX-Z



The Zercom MAX-Z is a four channel mixer with both dedicated balanced and dial up phone line connections. Features include: clock, stopwatch/timer, VU meter, low battery indicator, four headphone jacks with cues fed to the left channel, wide range audio inputs that will match mic to line levels, cue channel, phone line alarms, and tone or pulse memory dialing. Accessories supplied are carrying case, built-in rechargeable batteries and charger. Size 13"x17"x5", weight 15 lbs.

Max-Z	\$1,095.00
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ZERCOM MAX-Z II



The Zercom MAX-Z II is an abbreviated version of the MAX-Z. High quality audio handling is maintained in the two channels of audio input. AC or DC powered with two headphone outputs, cue channel, and case. Size 8"x9.5", weight 6 lbs.

Max-Z II	\$600.00
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ATI PB2X8 PRESS BOX



The PB2X8 provides two XLR inputs which can be individually switched or mixed into any of eight isolated line level outputs. Each input may be individually switched for microphone or line levels with phantom power and low cut filters available for the microphone inputs. A calibrated test tone oscillator can be switched

in place of either input for system test and level checks. A bargraph LED display meters any of the eight outputs or either input. The meter may be switched for OVU indication at nominal outputs of +4, +8 or +18dBm with the top position an effective headroom indicator. A headphone output follows the meter selection for audible monitoring. Each of the eight outputs is a separate, independent and isolated amplifier channel which may be switched to the A input, the B input or to the A+B sum to mix both inputs. Each output channel has its own level control and a transformer balanced and isolated XLR output at full line level. In addition, alternate output positions provide either a 1/4 inch or a 3.5mm TRS jack with an attenuated output at -10dBu. Balanced TRS plugs or unbalanced TS plugs may be used interchangeably. A pair of 1/4 inch TRS jacks parallels the main XLR inputs to allow convenient loop-thru connection into another PB2X8 for further system expansion.

PB2X8	\$1,295.00
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WHIRLWIND PRESSPOWER



Whirlwind's Presspower takes two transformer isolated XLR mic/line inputs and distributes them to sixteen transformer isolated XLR outputs (12mic/-50dB, 2-line/0dBV, 2-

line/variable). A headphone output is provided with a level control, plus, to expedite setup, a 1kHz tone is available. Powered by four 9V batteries or AC (110/230), the Presspower can be rack mounted or used with the included carrying case.

Presspower	\$2,195.00
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Whirlwind Medusa Pressbox
The Medusa Pressbox is a rugged, passive, transformer splitting device that takes a single line level signal and provides multiple low impedance feeds.

PB06	1-in, 6-out	\$190.00
PB12	1-in, 12-out	\$322.00
PB16	1-in, 16-out	\$460.00
PB24	1-in, 24-out	\$680.00

REMOTE ACCESSORIES



CLIPPER

Model	Wt.Capacity Upper Tray/Total Cart	Cart Wt.	Price
3000	150/300	34	\$465.00
2000	30/300	29	\$356.00
1990	80/150	28	\$372.00
1000	80/300	25	\$285.00
990	150/300	26	\$285.00
880	300	19	\$215.00
770	300	15	\$172.00
550	150	10	\$142.00
440	130	8	\$100.00
111 Vinyl Cart-N-Case	100	11	\$200.00



CLIPPER

ZERCOM

ZERCOM MINI STUDIO

Mini-Studio	\$695.00
Canvas Carrying Bag	\$139.00
Extra Shelf	\$119.00
2-Wheel Dolly	\$39.00

Zercom's Mini Studio is made of heavy gauge injection molded ABS plastic designed to take years of use and abuse. The entire Mini Studio with canopy folds into a compact, lightweight package that can easily be transported in the trunk or backseat of a compact car. Customize the front panel and canopy with your station's logo and call letters.



Zercom's Mini Studio

MOSELEY RPL 4000

The Moseley RPL 4000 Remote Programming Link is frequency agile via internal dip switches and the user programmed frequencies are selectable from a front panel switch or rear panel remote control. The system has a sub-audible encoder/decoder and a built-in 2:1 compander with provisions for user preferred external noise reduction or signal processing. The RPL 4010 portable transmitter is a 20 watt, continuous duty unit powered by 8-15VDC. It has three balanced inputs, one switchable to a line input, a headphone monitor jack, and has comprehensive monitoring and diagnostics via a twelve position switch. The RPL 4020 receiver features a built-in loud speaker with volume control, full diagnostic metering, excellent selectivity, and adjacent channel rejection.



The system has a sub-audible encoder/decoder and a built-in 2:1 compander with provisions for user preferred external noise reduction or signal processing. The RPL 4010 portable transmitter is a 20 watt, continuous duty unit powered by 8-15VDC. It has three balanced inputs, one switchable to a line input, a headphone monitor jack, and has comprehensive monitoring and diagnostics via a twelve position switch. The RPL 4020 receiver features a built-in loud speaker with volume control, full diagnostic metering, excellent selectivity, and adjacent channel rejection.

RPL 4010	Transmitter	\$2,425.00
RPL 4020	Receiver	\$2,425.00

MARTI MCS-800

Marti's exclusive MCS-800 audio companding system gives you the power to do remotes from even further away with better sound. The MCS-800 installs in your RPT-30, RPT-15, and RPT-2 transmitters and the CR-10, AR-10 and DR-10 receivers. The companding option results in better signal to noise and sharper IF filtering. It requires factory installation and must work together as a complete system. The system is not switchable and not available for older equipment.

MCS-800	Factory installed on new equipment per set	\$200.00 /UNIT
	Factory installed on used xmtrs/rcvrs per set	\$250.00 /UNIT

MARTI RPT 30/15/2



These Marti systems enable non-technical personnel to produce professional sounding live remotes. The Marti remote transmitters are for continuous duty; have four frequency

capability; sub-audible encoders, for switching repeaters; and will work on AC or DC power. The RPT-30 has four balanced mic inputs, with one switchable to a line input. The RPT 15 and RPT 2 have two audio inputs, mic and high level unbalanced. The hand held RPT-2 mic input is push to talk. The CR-10 and AR-10 receivers have dual frequency capability and sub-audible tone decoding. Marti transmitters have a one year warranty.

RPT-2	Hand held 2W xmtr w/o internal bat. 1 freq	\$ 995.00
	as above dual frequency	\$ 1,025.00
	as above w/ internal battery 1 freq	\$ 1,045.00
	as above w/internal battery dual frequency	\$ 1,075.00
RPT-15	Portable/mobile 15W transmitter 1 freq	\$ 1,075.00
	as above w/dual frequency	\$ 1,105.00
RPT-30	RPU 30W transmitter, single frequency	\$ 1,695.00
	as above dual frequency	\$ 1,725.00
CR-10-D	Rcvr Single frequency, w/decoder	\$ 1,295.00
	as above dual frequency	\$ 1,325.00
AR-10	Mobile relay rcvr single frequency	\$ 1,295.00
	as above, dual frequency	\$ 1,325.00
RPT-30-4 CH		\$ 2,025.00
CR-10-4-D		\$ 1,625.00

Various Marti packages, accessories and antennae are available. Please call Broadcaster's General Store for more information.

RPU



MARTI

MOSELEY



RPU

TFT 8888



The TFT 8888 RPU is a patented, frequency synthesized system with front panel control of two frequencies selected via internal dip switches. The 8888 portable transmitters nominal RF power is 20 watts with two lower power ranges available. It has three mic/line inputs with limiters, a headphone output with volume control, comprehensive front panel diagnostics, fault indicator and buzzer, built-in test tone, external processing loop, and selectable FM deviation. The 8889 receiver is controllable via DTMF signaling in the RF path or through an alternative rear panel jack. The whole system can be operated by batteries and carries a one year warranty.

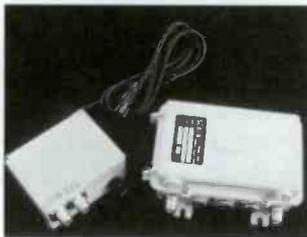
TFT

8888	20 watt transmitter (specify 2 frequencies)	\$ 2,765.00
8889	Receiver (specify 2 frequencies)	\$ 2,075.00
Option 01	DC operation for 8889	\$ 260.00
Option 02	19" rack shelf for 8888	\$ 175.00
Option 03	27Hz tone generator for 8888	\$ 245.00



RF RANGE IMPROVEMENT

SCALA TRIAX PREAMPLIFIERS



SCALA

TPL

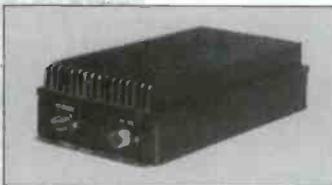
Scala Triax Preamplifiers for 950 MHz Radio Links

8000/960	Low-noise preamplifier with 120-VAC remote power supply, broadband 940-960 MHz, 50 ohm N terminations	\$500.00
8000/960/EX	Same as above with 230-VAC	\$500.00
8000/960/C	Low-noise Preamplifier less power supply, but including DC/RF diplexer for use with external regulated 24-VDC supply broadband 940-960 MHz, 50 ohm N terminations	\$500.00

Scala Triax Preamplifiers for 450 MHz Radio Links

8000/450	Low-noise preamplifier with 120-VAC remote power supply, broadband 450-470 MHz, 50 ohm N terminations	\$500.00
8000/450/EX	Same as above with 230-VAC	\$500.00
8000/450/C	Low-noise preamplifier less power supply, but including DC/RF diplexer for use with external regulated 24-VDC supply, broadband 450-470 MHz, 50 ohm N terminations	\$500.00

TPL MOBILE RF POWER AMPLIFIERS



Model	Frequency (MHz)	Power In (Watts)	Nominal Power Out (Watts)	Current Drain (amps)	Price
PA6-1BE	400-512	80-20	70-100	18	\$ 632.00
PA6-1FE	400-512	25-40	70-100	12	\$ 561.00

Rated for continuous duty with power supply

PA6-1BE-RXPS	400-512	8-15	70-100		\$ 1,246.00
PA6-1FE-RXPS	400-512	25-40	70-100		\$ 1,173.00

Model	Power Supplies	Price
PS12-2	Utility Power Supply - 13.6 VDC regulated 20 amps ICS or 16 amps	\$ 217.00
PS12-2A	Same as above except for 220 VAC input	\$ 240.00
PS12-3	Rack Mounted Power Supply - 13.6 VDC regulated 25 amps continuous duty	\$ 390.00
PS12-3A	Same as above except for 220 VAC input	\$ 413.00
PS12-4	Rack Mount - 13.6 VDC regulated 37 amps continuous duty	\$ 435.00
PS12-4A	Same as above except for 220 VAC input	\$ 473.00

FREQUENCY EXTENSION



GENTNER EFT-3100



High quality audio on standard phone lines is possible with Gentner's EFT-3100. This DSP-based frequency extender uses three dial-up lines to deliver 50 Hz to 7.5 kHz audio. Auto-answer, auto-setup, built-in touch-tone pad, and automatic correction of differential line delay are just a few of its capabilities. The EFT-3100 may also be used as a two-line extender to provide 5 kHz audio.

EFT-3100System	Comes with two units	\$7,349.00
Additional Units		\$3,675.00

GENTNER EFT-100



The Gentner EFT-100 single-line frequency extender works with existing telephone hybrids or couplers to improve the quality of telephone audio. Use it to receive or send remotes for broadcast.

EFT-100	Rack mount frequency extender	\$649.00
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GENTNER EFT-1000A



Auto-answer/disconnect and automatic configuration make the Gentner EFT-1000A the perfect "hassle-free" remote box. It has connections for two phone lines, giving you the capability of continuous return cues or a simultaneous feed to two sites.

EFT-1000A		\$1,469.00
EFT Rack Mount		\$ 69.00

GENTNER EFT-900A



Gentner's EFT-900A is self-contained to keep equipment needs low at remote sites. It has a built-in telephone coupler, mic pre-amp and headset amp. The EFT-900A provides two-way operation and is ideal for sports or sales remotes.

EFT-900A		\$ 939.00
EFT Rack Mount		\$ 69.00

GENTNER

SEE PAGES
101 & 146
FOR CODEC

TELEPHONE

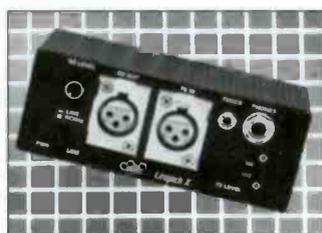


CELJACK



The CelJack provides a dial tone letting you link your cellular phone with standard land-line equipment. The CelJack comes complete with a modular RJ11 port to connect accessories, allowing normal usage of the attached business equipment or coupler, plus cables to connect to cellular phone and 12V DC power supply.

Celljack		\$495.00
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Linejack II

The Linejack II is an audio adapter designed to interface broadcast audio equipment to a cellular phone. It's perfect for: voice dubbing; live mini-cam reports; broadcasting sports, news or entertainment events, where telephone lines are not available. The Line Jack II Features: balanced XLR input and output jacks; tuner input and phono jack output to connect headphones or ear piece. Available for most phones.

Linejack II with interface cable, specify phone		\$345.00
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See page 101 for Digital Extension

CELJACK

CALL BROADCASTERS GENERAL STORE AT (904) 622-7700 OR FAX (904) 629-7000



TELEPHONE

CIRCUIT WERKES

SOUND AMERICA

INDY

GENTNER

CIRCUIT WERKES AC-2 TELEPHONE AUTO-COUPLER & DTMF-12 TOUCHTONE DECODER



The Circuit Werkes AC-2's manual and remote control modes provide an excellent interconnection for all types of studio work including phone patches, hybrids and interfaces. This FCC approved device may be easily controlled from more than one location at a time. It has dry relay contacts which provide an interface to virtually every type of external device and an optically isolated remote inhibit input prevents the AC-2 from picking up the line until you are ready. It comes ready to operate in the basic autocooupler mode.

The DTMF-12 touchtone decoder provides up to 12 separate optocoupled outputs using standard touchtone signals. When combined with an autocooupler it is useful for a variety of tasks including emergency transmitter control, controlling remote satellite receivers, network switching equipment, repeaters or any telephone control application. An optional combination lock is available which allows for additional system security.



AC-2	Telephone autocooupler	\$ 174.95
DTMF-16	Stand alone DTMF remote control	\$ 144.95
DTMF-12B	DTMF board only	\$ 109.00
AD-12	Integrated coupler with DTMF	\$ 284.95
C-LOCK	Combination lock for AD-12	\$ 84.95

SOUND AMERICA VOICE-ACT



Voice-Act makes it possible to transmit any electronic audio source by telephone. The unit is comprised of a microphone, external input jack, a function selector, a transistor amplifier and a stainless steel multi-layer windscreens. The phone line powered Voice-Act simply screws on in place of the regular phone transmitter, and does not interfere with normal phone operation. A tape recorder may be connected directly to the phone through the external jack while still permitting instantaneous 2-way communications.

Western Electric Type	\$ 94.95
GTE Type	\$ 99.95
Carrying Case	\$ 9.95
Patch Cord	\$ 4.00

SOUND AMERICA R/SVP



R/SVP is an audio coupler built in the standard U.S. made 2500 series touchtone phone. The panel on the phone base has an 8 Ω send jack for direct connection to cassette recorders or other electronic sources and a low impedance record jack to provide a clear balanced signal to record conversations. The amplified electret condenser microphone has superior voice quality. R/SVP comes complete with telephone and modular plug line cord.

R/SVP	\$147.75
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INDY AUDIO TC-1



The Indy Audio TC-1 is an auto-answering phone coupler. It can feed audio down the line to the caller, take audio off the line for broadcast, or can be connected to a hybrid for bi-directional communications. The TC-1 is powered by the phone line, a front panel LED indicates when the unit is in use, and a dry relay closure is provided to start a cart deck and alert the control room operator, etc. A voltage reversal or temporary open circuit is required for auto disconnect

TC-1	\$159.00
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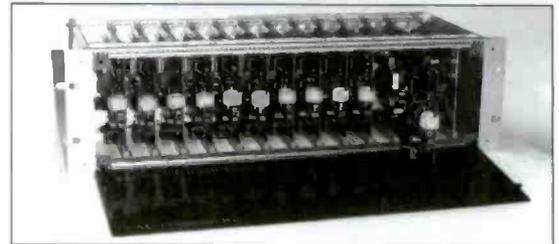
GENTNER AUTO COUPLER, AUTO COUPLER CP



The Gentner Auto Coupler can send or receive line level audio sources. It will automatically answer after one complete ring and disconnects when the caller hangs up. Use the Auto Coupler for information lines, IFB, or any use requiring automatic operation.

Auto Coupler	\$319.00
Auto Coupler CP	For telco lines without "loop drop" hang-up signal \$319.00
Rack Mount	Holds four units \$ 49.55

CIRCUIT WERKES AC-12



The Circuit Werkes AC-12 allows you to fit up to a dozen full-featured telephone autocoouplers in 5-1/4" of rack space. For network feeds you can select between two dedicated audio busses or, for special needs, each coupler card has its own individual audio connector. All controls and indicators are removed. Indicators include ring, online, audio clipping and power.

AC-12	Powered multi-bay autocooupler chassis	\$245.00
AC-1	Coupler cards for AC-12	\$105.00
AC-1TV	Simplified coupler for AC-12	\$93.00
HA-6	2 Input, switchable 6 channel headphone amp 2/talkover	\$280.00



GENTNER HYBRID COUPLER



Gentner's Hybrid Coupler connects directly to the telephone line and is used to send or receive audio or other information. Its passive design allows you to "tap" the phone line, using the telephone and coupler simultaneously, or it can seize the line. Use it for news or producer feeds, or sending a church service broadcasts.



Hybrid Coupler		\$179.00
Rack Mount	Holds four units	\$ 49.00

GENTNER MICROTEL



Gentner's Microtel replaces the handset of the telephone, giving you hands-free phone operation and an easy way to send and receive other audio sources. Connections are provided for microphone, headset, and auxiliary inputs/outputs such as a tape machine. Ideal for news reporters, sportscasters, ENG crews, or sales people.

Microtel	\$259.00
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GENTNER DIGITAL HYBRID Ia



The Gentner DH-Ia incorporates the same DSP technology used in the Digital Hybrid II for consistent and superior telephone audio without some of the features and options. Use the DH-Ia where both cost and high quality audio are significant factor.

DH-Ia	\$1,049.00
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GENTNER SPH-5



The Gentner SPH-5 combines advanced analog hybrid technology with superior operational features to give you outstanding performance and aural quality. The SPH-5 also incorporates Gentner's unique cue and record features for simple installation and operation.

SPH-5	\$889.00
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GENTNER TELESWITCH



Gentner's Teleswitch, a simple telephone call director at an affordable price. Teleswitch is the logical solution to your basic telephone line selection needs. It is compatible with most phone systems and is simple to install.

Teleswitch		\$ 995.00
Interconnect Cable	Specify hybrid	\$ 26.20

GENTNER TC-100



Gentner's versatile TC-100 telephone hybrid can be used for auto-answer information lines, on-air telephone calls, or program feeds. Simple remote control of equipment is also possible. The TC-100 RTT has a touch-tone decoder providing contact outputs when the user presses a button on the phone keypad.



TC-100 R	\$479.00
TC-100 RTT	\$569.00

GENTNER DIGITAL HYBRID III



The Gentner DHIII uses the latest DSP technology to automatically deliver outstanding hybrid null, maximum isolation between caller and send audio, while maintaining excellent sonic quality. You can talk with callers on or off air with equal ease by using the units cue button, and record

those calls using the DH-III's record button. The unit will send both sides of the call to your tape machine and will start and stop the machine as well.

Digital Hybrid III	\$1,895.00
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GENTNER SPH-3A



The Gentner SPH-3A is an analog telephone hybrid that provides clean, clear telephone audio for on-air calls, news interviews, or production studios. It installs easily, and is simple to operate.



SPH-3A	\$579.00
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GENTNER PEOPLELINK



Using the Gentner PeopleLink and your existing phone lines, you can completely automate your station's telephone operations. To conference multiple callers, air call-in talk shows, run caller contests, conduct opinion polls, or just screen callers, PeopleLink is ready at the push of a button. The system accommodates multiple Control Surface locations which may be used in simultaneous, independent operation. Each Control Surface operator can quickly preset the functions he desires to satisfy any given situation.

PeopleLink allows you to connect up to 40 telephone lines. It can be used as a stand-alone, on-air telephone system or in combination with your existing business telephone system. With the versatility of this automated system, existing external studio equipment such as audio mixers, tape recorder, program audio sources, and amplifiers can all be directly interfaced.

PeopleLink	\$13,749.00
Basic System: includes Mainframe, Primary Power Supply, one Ten-Line Interface, one Control Surface, one Audio Interface, one Digital Hybrid II, and System Interconnection Cables. Basic system does not include cables from Mainframe to Control Surface/Audio Interface. Please call for system configurations and pricing.	



TELEPHONE

TELOS

Regarding Hybrids: Standard configurations support one or two hybrids. Two hybrids should be used when two callers need to be on-air simultaneously, such as an "expert" and a "listener". This is called "conferencing with gain". However, the interface systems allow "hard-mash" conferencing of calls on a single hybrid, if conference quality is not critical. The Telos Delta, Telos One and Telos One + One can be mixed in any multiple-hybrid installation. That is, a system may have two Deltas, a Delta and a One, a One + One or any combination.

Regarding Interface Modules: Each interface can support up to ten phone lines and two hybrids. A system using 1A2 Interface Modules can be expanded to a maximum of 30 lines. The Direct Interface Module cannot expand past ten lines.

Regarding Control Surfaces: A system can have many control surfaces but must adhere to these requirements: 1) each interface can support two control surfaces via rear panel connections directly, 2) If a control surface is more than 25 ft. away from the interface or more than two control surfaces are required, a "local power supply" will be needed, 3) maximum distance from the interface is 250 ft. Control surfaces can also be mixed and matched. For instance, a BMXIII dual 10-line panel may be in the control room's audio board, a desktop Switch Console may be on the other side of the overbridge, and a dual 10-line Turret panel (with local power supply) may be in the talk studio adjacent to the control room!

Regarding Special Requirements: Please contact Broadcasters General Store if you have a unique requirement not covered by Telos's standard configurations. Often, Telos can find a way to accommodate your needs!

TELOS

CAPSTONE

TELOS 100 DELTA



The Telos 100 Delta is the best phone hybrid made. The 100 Delta has remote controllable duplex depth settings, dynamic digital equalization, logarithmic dynamic control, context sensi-

tive output AGC, and digital acoustic ducking and pitch shifting for greater gain before feedback. Call us for a demo!

Telos 100 Delta

\$2,450.00

TELOS SWITCH CONSOLE & 1A2 INTERFACE



The Telos 100 Switch console and 1A2 Key System Interface Module are parts of the Telos line that provide line selection, dialling and conferencing capabilities in systems using standard key telephone equipment. Depending upon configuration,

the Switch Console can handle up to twenty lines. The 1A2 can handle up to ten lines and two hybrids. If you require more than ten lines or more than two hybrids, multiple interface modules can supply that capability. Connection to the 1A2 is made by a standard 50 pin "blue ribbon" cable. Telos provides the cable and a bridging block for fast, simple connection anywhere there is a 10 key system. Modular jacks provide connection for a desk phone (Mitel Superset) and one or two hybrids. The Telos 1A2 provides you with simple connection to low cost ten-key systems and to the best hybrids available.

Telos 1A2

\$ 1,050.00

Telos Switch Console

\$ 650.00

Mitel Superset

\$ 350.00

Mitel Superset (refurbished)

\$ 250.00

CAPSTONE CALL SCREEN



The Capstone Call Screen Manager Software Interface for the Telos 100 features: advanced windows architecture that allows real-time updates; data entry windows for easy, information editing; on air timer for each line; on air duration alarm for each line; and two independent displays are available

CSM Call Screen Manager

\$349.00

CSM/R Call Screen Manager with remote

\$449.00

TELOS DIRECT INTERFACE MODULE



The Telos Direct Interface Module (DIM) is the heart of a flexible on-air telephone system. The DIM will accommodate up to ten lines via standard RJ11 jacks and up to two Telos hybrids. The DIM connects directly to the telephone central office, provides caller conferencing with one or two hybrids, program or music on hold, and a paging function.

Complete control of your phone system is possible using the one of the Telos Switch consoles or by its RS-232 port interfaced with computerized call screening systems. You can add an optional Mitel Superset for screening or off-air answering. A special loop through with line current detection permits integration with many PBX's and electronic telephone systems. Telephone lines may be shared among several studio systems without concern that someone will pick up a line that's on-air. With the DIM, a hybrid and a Switch console, you have the highest quality on-air telephone system available.

Telos Direct Interface Module

\$ 1,840.00

Mitel Superset

\$ 350.00

Mitel Superset (refurbished)

\$ 250.00

Plantronics earpiece w/mic

\$ 220.00

TELOS ONE



The Telos One auto nulling telephone hybrid with intelligent gain control is the perfect low cost solution for any telephone interfacing application. The Telos One uses digital signal processing for all audio functions. Modular jacks are provided for the telephone line and a telephone set. The XLR audio input is switchable between mic or line. Two XLR outputs are provided, one of which can be used as an independent output or may be switched to a mix of the input and caller signals. A rear panel DB-9 connector allows the Telos One to be connected to the full range of Telos products.

Modular jacks are provided for the telephone line and a telephone set. The XLR audio input is switchable between mic or line. Two XLR outputs are provided, one of which can be used as an independent output or may be switched to a mix of the input and caller signals. A rear panel DB-9 connector allows the Telos One to be connected to the full range of Telos products.

Telos One, rack mount version

\$ 1,050.00

Telos One, modem case version

\$ 890.00

Telos One Basic Auto Answer board

\$ 50.00

Single rack mount, 1U for modem version

\$ 45.00

Dual rack mount, 1U for modem version

\$ 45.00



TELOS ONE-X-SIX



The Telos One-X-Six is a complete system that has all of the telephone interface equipment needed for talk show programming. A single rack mounting unit houses both a Telos One digital hybrid and a six line, broadcast phone system which includes all of the most popular features found in the Direct Interface Module. For system control, the One-X-Six is packaged with the desktop Switch Console at no additional charge. The six phone lines are connected using standard RJ11C plugs and the program-on-hold uses an XLR. The hybrid audio input is selectable for microphone or line level and there are two caller audio outputs. All Switch Console features are fully imple-

mented and a standard telephone is used for call screening. The Switch Console is used to place calls, put callers on the air or on-hold, and to conference. When call screening is desired, the bottom row of Switch Console buttons selects the line sent to the screener phone. For enhanced screening capabilities, Call Screen Manager can be used by connecting a computer to the One-X-Six's RS232 port. The basic One-X-Six may be expanded with the addition of a second Switch Console or second hybrid for improved conferencing (adding a second hybrid limits some call screening capabilities).

One-x-Six

\$2,180.00

TELOS

HENRY ENGINEERING

BOGEN

TELOS ONE + ONE

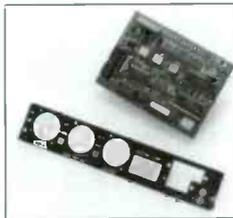


The ONE + ONE starts with two Telos ONE digital hybrids in a single rack unit chassis with an Integral power supply. Each hybrid functions completely independently. A unique internal mix-minus matrix cross couples the outputs of the two hybrids. In a dual hybrid application, you only need to send the ONE + ONE a single mix-minus. A Basic Auto-Answer or Super Auto-Answer board can be installed in either or both hybrids, and can be turned on and off from the front panel.

ONE + ONE

\$2,180.00

TELOS SUPER AUTO-ANSWER BOARD



The Super Auto-Answer board can be ordered installed in new units with no additional installation charge or it can be user installed into units already in the field. This board is a dip switch programmable plug-in module that provides reliable auto-answer and disconnect as well as: remote control, status indicators, and DTMF decoder with open collector outs. Several software versions are available.

Super Auto-Answer Board

for Telos One, One + One, and 100 Delta \$150.00

HENRY ENGINEERING DIGICORD



Henry Digicord is a general purpose digital recorder that can store up to 16 different messages for random access playback in non-critical audio applications such as: network news, EBS alerts, request line calls, translator ID-ER, and multi-message source in an automation system.

Digicord-5KHZ Up to 5:25 of audio \$695.00

Digicord-8KHZ Up to 2:40 of audio \$695.00

HENRY ENGINEERING DIGISTOR



Henry Digistor is a digital message storage system that is ideally suited for radio and TV station information lines. The message is stored in digital memory with battery back-up. Digistor can be programmed to play the message only once, or continuously until the caller hangs up. There is no re-cue time; the caller always hears the message from the beginning.

Digistor Up to 4 minutes of audio \$395.00

Digistor XM Up to 16 minutes of audio \$595.00

Digistor HF Higher fidelity and wider bandwidth/5:25 minutes \$420.00

Digistor XM-HF Include XM and HF options/5:25 minutes \$620.00

HENRY ENGINEERING TIS



The Henry Telephone Information System (TIS) can store up to 10 separate messages in its digital memory. When the unit is called, a "Menu" message plays, telling the caller which messages are available. The caller may then select any message(s) for instant playback by simply pressing the buttons on a Touch-Tone® telephone. Messages are easily updated by re-recording

TIS

8+ minutes of audio

\$895.00

BOGEN MMS10I

The Bogen MMS10i is a digital message announcer and sequencer. It digitally records voice through a built in condenser mic or direct from a cassette player. The unit has four minutes of recording time which can be used to record up to ten messages. It can play ten message sequences (up to four messages each) throughout the day as programmed by you. The MMS10i is compatible with your telephone music-on-hold inputs, PA amplifier inputs or an external speaker. It features: a Nicad battery back-up, keypad lock switch, and its display serves as a digital clock when you are done programming.

MMS10i

\$962.50

BOGEN MMT34/MMT68/MMT1216



The Bogen MMT34, MMT68 and MMT1216 utilize digital technology to provide "on hold" messages. Slip your pre-recorded cassette into the built-in, high quality tape drive and your message is automatically downloaded into memory. A built-in speaker lets you hear the message as it downloads and review at any time. When you want to change the message, slip in the new cassette and the old message will be erased automatically. The lower time uses a higher digital sampling rate that results in improved audio quality.

MMT34 3 or 4 minute capacity \$687.00

MMT68 6 or 8 minute capacity \$880.00

MMT1216 12 or 16 minute capacity \$1,237.50



TELEPHONE

RADIO SYSTEMS

RADIO SYSTEMS TI-101



The Radio Systems TI-101, formerly Symetrix TI-101, provides easy two-way connection between your console and phone line with back panel gain switches. Its features include: equalization, send limiting, receive compression/expansion, caller mute, LED clipping indicators, conference linking, and bandpass filtering.

TI-101

\$549.00

ZERCOM TELEPHONE HYBRID



The Zercom Telephone Hybrid provides full duplex audio. Zercom's Telephone Hybrid nulling circuit has two null controls and active balanced inputs and outputs with adjustable gain. The telephone line, tip, and ring connection is user selectable on the rear panel for a direct DC line hold or capacitor isolated to prevent DC flow through the hybrid's telephone line transformer.

Telephone Hybrid

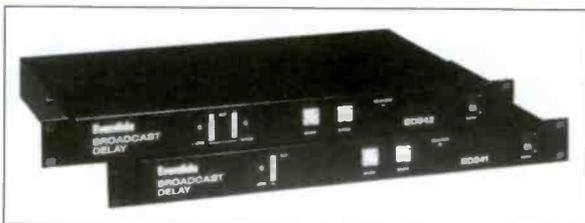
\$399.00

ZERCOM



BROADCAST DELAYS

EVENTIDE BD941/BD942



The Eventide BD941/BD942 delays offer cost-effective obscenity protection. Both feature a delete function, 5-20,000 Hz audio frequency, 16 bit res, and a 44.1 kHz sampling rate.

BD941 20kHz, Mono, 6 seconds fixed delay \$1,795.00

BD941 20kHz, Mono, 12 seconds fixed delay \$2,195.00

BD942 20kHz, Stereo, 3 seconds fixed delay \$1,995.00

BD942 20kHz, Stereo, 6 seconds fixed delay \$2,395.00

EVENTIDE

EVENTIDE BD-980



Eventide's BD-980 is considered the "Ulti-mate Talk Show Audio Delay". It is designed for producers who need to get in and out of delay quickly without interrupting their programs. Features such as 10 second maximum delay, catch-up, Timesqueeze®, wait and exit, and ramp to zero modes make the BD980 ideal for policing talk show programming.

BD-980

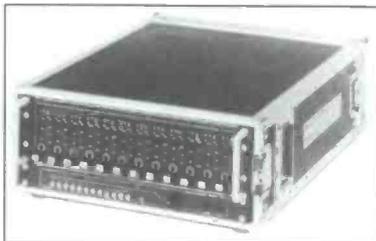
20kHz, stereo

\$5,495.00



WIRELESS MICS

BEYER TGX



This reliable, high performance system is available in two basic configurations. The hand held system incorporates the new TG-X mic head with super cardioid pick-up characteristics. The MCE5 lavalier mic gives the body pack system

wide frequency response, low noise, and superior intelligibility. Both systems include the true diversity receiver with balanced/unbalanced outs, adjustable gain, and mute sensitivity control.

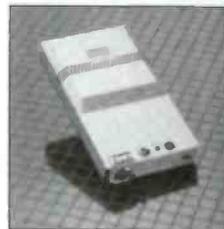
Prices from

\$1,419.95 to \$9,999.95

BEYER

HME

HME SYSTEM 50/55



The system 50/55 has a VHF Hi-Band RF with switching diversity receiver featuring NRX II™ noise reduction and dual frequency selection.

Prices from

\$1,185.25 to \$1,265.00



SAMSON BROADCAST STD SERIES



The Samson Broadcast STD Series is a ten channel frequency selectable true diversity wireless system featuring DBX noise reduction.

Prices from **\$1,794.95 to \$3,194.95**

SAMSON CONCERT II



The Samson Concert II VHF fixed-frequency system with extended transmitter battery life of 17 hours nominal featuring DBX noise reduction.

Price from **\$599.95 to \$999.95**

SAMSON UHF SYSTEM



The Samson UHF System is a breakthrough in performance and price featuring DBX noise reduction.

Price from **\$1,749.00 to 2,750.00**

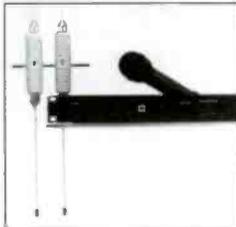
SAMSON MR-1 VHF



The Samson MR-1 VHF battery operated micro-receiver for use with video camera's featuring DBX noise reduction.

Prices from **\$463.95 to \$814.95**

SAMSON SUPER TD



The Super TD is Samson's top of the line VHF cavity tuned fixed frequency system featuring dbx noise reduction.

Prices from **\$1,099.95 to \$2,499.95**

SHURE L SERIES



The Shure L Series systems are available in diversity and non-diversity versions and feature popular Shure microphone models that are perfectly matched to the system electronics. Handheld BETA systems are also available.

L Series System Prices from **\$360.00 to \$707.00**

Beta System Prices from **\$613.50 to \$748.50**

TELEX FMR-70



The Telex FMR-70 has a true diversity receiver with sleek new Telex design uses WT-55 body pack and choice of 4 removeable lavalier mics or use 1 of 4 HT-100 hand mics.

Prices from **\$595.00 to \$920.00**

TELEX FMR-100



The Telex FMR-100 true diversity receiver with new sleek Telex design and increased selectivity uses WT-60 body pack or WT-80 as an upgrade option (metal case) with choice of 3 removeable lavalier mics or choose 1 of 5 HT-100 hand-held mics.

Prices from **\$900.00 to \$1,170.00**

TELEX FMR-4



Telex's FMR-4 top of the line true diversity receiver includes rack ears, LED frequency readout and channel select knob for one of four channels. Uses WT-400 body pack (equipped with 2 channels) and WLM-200 lavalier mic or choice of 3 HT-100 mics.

Prices from **\$2,770.00 to \$3,000.00**

TELEX PRO STAR



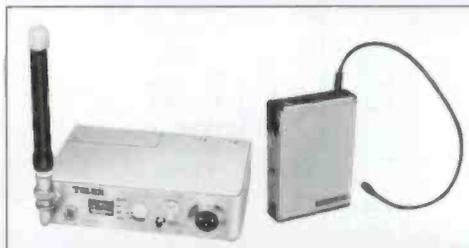
The Telex Pro Star wireless system uses an R-10 non-diversity RCVR, B-10 body pack with choice of 3 attached lavalier mics or choice of two handheld H-10 mics.

Prices from **\$360.00 to \$470.00**

TELEX BODY PACKS

All Telex body packs have separate ON/OFF switch for microphone and power. Other lavalier mics can be substituted for the ones in the systems (except FMR-25 system). All receivers can be rack mounted with optional rack kits. HT-10 handheld mics come in four types: A Telex or Shure condensor or Dynamic. The HT-400 mics can interchange mic element heads and can select one of two channels as well as compander on or off.

TELEX ENG-4



The Telex ENG-4 is a palm-sized non-diversity receiver for eng. camera operators with monitor jack and direct out to camera. Uses WT-400 body pack (equipped with 2 channels) and WLM-200 lavalier mic or choice of 3 HT-100 mics.

Prices from **\$2,500.00 to \$2,750.00**

TELEX FMR-25/25TD



The Telex FMR-25/25TD comes in true diversity or non-diversity uses WT-25 body pack attached lavalier mic or HT-100/10 hand-held mic (mic heads are not interchangeable).

Prices from **\$395.00 to \$735.00**

SAMSON

SHURE

TELEX



CODEC

TELOS ZEPHYR

NEW PRODUCT!

TELOS

Zephyr will change the way you think of remote broadcasts. By utilizing ISDN telephone lines and the most advanced digital audio coding (compression) technology available, Telos makes setting up a remote as easy as sending a fax. It is the ideal solution for remote broadcasts, ad hoc networks, backup to microwave and satellite links, and many other applications.

- 15kHz stereo program audio on a single dial-up ISDN line. No other telephone based system provides this full broadcast bandwidth with equal quality.
- 7.5kHz backhaul channel for communications between sites without additional service.
- 2400 baud RS-232 bi-directional data for communications and control.
- Everything required is in a single, 2 rack unit enclosure. The ISDN terminal adapter is built-in and no separate boxes are needed.
- V.35 connection makes Zephyr compatible with Switched 56 and other data links designed for coded digital audio.
- Layer-III coding (data compression) assures the highest quality audio.
- Each unit can serve as either a transmitter or receiver.



ZEPHYR (mono transmit)	\$4980.00
ZEPHYR (stereo transmit)	\$3980.00

RACK UNITS
(1 3/4" Ea.)

PANEL SPACE
(inches)

44	77
43	75 1/4
42	73 1/2
41	71 3/4
40	70
39	68 1/4
38	66 1/2
37	64 3/4
36	63
35	61 1/4
34	59 1/2
33	57 3/4
32	56
31	54 1/4
30	52 1/2
29	50 3/4
28	49
27	47 1/4
26	45 1/2
25	43 3/4
24	42
23	40 1/4
22	38 1/2
21	36 3/4
20	35
19	33 1/4
18	31 1/2
17	29 3/4
16	28
15	26 1/4
14	24 1/2
13	22 3/4
12	21
11	19 1/4
10	17 1/2
9	15 3/4
8	14
7	12 1/4
6	10 1/2
5	8 3/4
4	7
3	5 1/4
2	3 1/2
1	1 3/4

JACK AND PLUG CLEANING

Recommended Procedure for Cleaning ADC Audio and Video Jacks

Cleaning of ADC audio or video jacks can be accomplished ONLY by inserting and withdrawing a clean plug into the jack 5 or 6 times. This causes a mechanical wiping action which cleans both the springs that contact with the plug and the switching contacts. Burnishing tools are NOT to be used as this submits the jack springs to extreme wear and can cause intermittent.

CAUTION: Under absolutely no circumstances should any liquids or gases be sprayed or otherwise applied into your jacks! This includes any contact cleaner, freon, compressed air, alcohol, mek or toluene. ANY of these chemicals could ruin your jacks.

Recommended Procedure for Cleaning ADC Unplated Brass Audio Plugs

- 1) Moisten a clean cotton cloth, with clean tap water.
- 2) Sprinkle a small amount of non-chlorine cleanser (or a similar mild abrasive) on the moistened wipe.
- 3) Wrap the cloth around the brass area of the plug and rotate.
- 4) Rinse off the plug thoroughly in clean tap water and dry. **CAUTION:** DO NOT immerse the plug shell in water.

Centimeters	X 0.3937	= Inches
Circular Mils	X 0.7854	= Square Mils
Circular Mils	X 5.0671	= Square Millimeters
Cubic Centimeters	X 0.0610	= Cubic Inches
Cubic Inches	X 16.386	= Cubic Centimeters
Inches	X 2.54	= Centimeters
Inches	X 1.03	= Mils
Kilograms	X 2.2046	= Pounds
Kilograms/Kilometer	X 0.6720	= Pounds/1000 Feet
Kilometers	X 0.6214	= Miles
Kilometers	X 3280.8	= Feet
Meters	X 3.2808	= Feet
Mils	X 0.001	= Inches
Mils	X 0.0254	= Millimeters
Miles	X 1.6093	= Kilometers
Millimeters	X 0.03937	= Inches
Ohms/Kilometer	X 0.3048	= Ohms/1000 Feet
Ohms/1000 Feet	X 3.2808	= Ohms/Kilometer
Pounds	X 0.4536	= Kilograms
Pounds/1000 Feet	X 1.4881	= Kilograms
Square Centimeters	X 155 x 10 ⁵	= Square Mils
Square Centimeters	X 1.97 x 10 ⁵	= Circular Mils
Square Inches	X 645.16	= Square Millimeters
Square Millimeters	X 0.1974	= Circular Mils



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