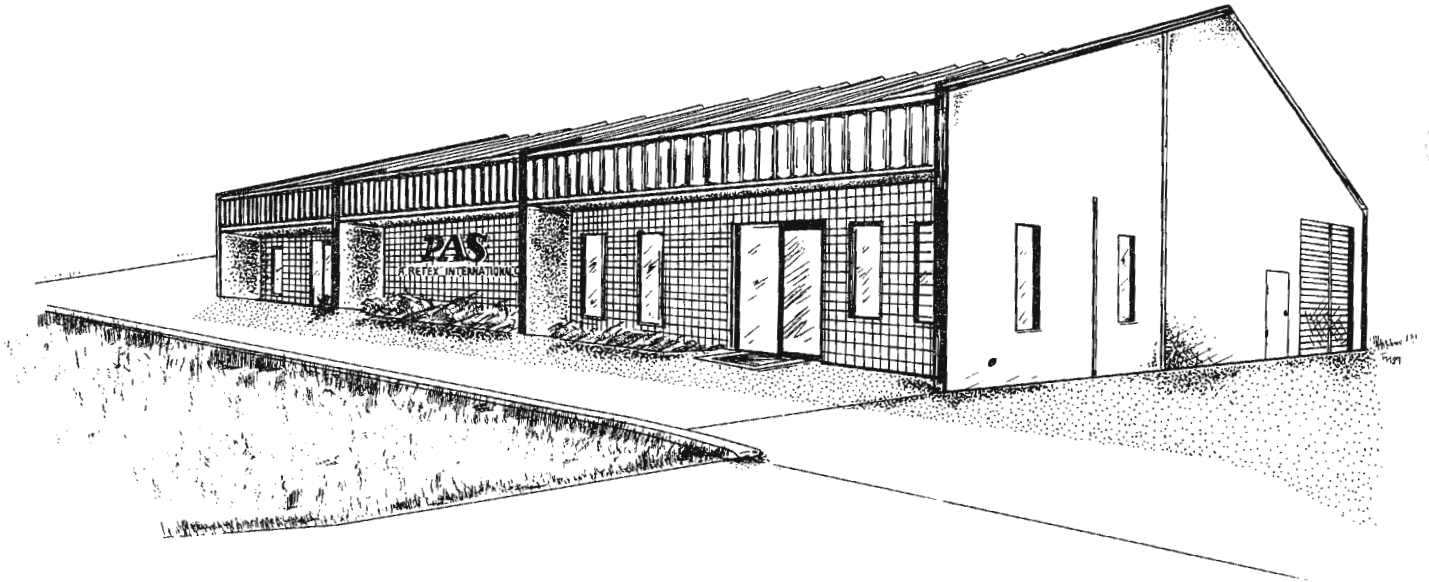




1992



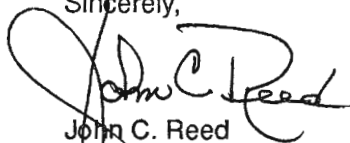
Dear Media Executive:

With this 1992 issue of our catalog, we would like to thank the thousands of customers that have contributed to our continuing growth. With all of the changes in the Broadcast and Pro Audio market in the past year, PAS has kept abreast of the market and continues to give you the best products at the lowest prices possible and this is our promise.

As you review this catalog you will find we have added new products. However due to space every item cannot be printed. If you have a need and do not locate the solution please call one of our sales representatives for assistance.

We are looking forward to a great 1992 and wish you all the same success. We are eager to earn your business — every time.

Sincerely,

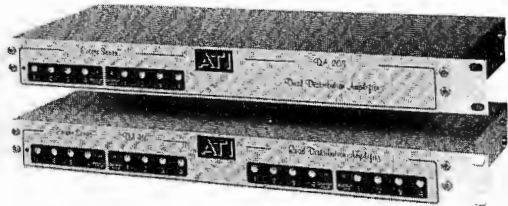

John C. Reed
President



5700 East Loop 820 South
Fort Worth, Texas 76119-7099

DISTRIBUTION AMPLIFIERS

ATI



DA208 & DA 416

Independent +18dBm active balanced outputs with individual controls. Output clipping indicators. Rack Mounted.

DA 208 Dual 1 by 4 List339.00
 DA 416 Quad 1 by 4 List489.00

CALL FOR PAS PRICING ON ATI AMPLIFIERS

GENTNER



If you are looking for an audio distribution amplifier that can meet your changing needs, the Routing Distribution Amplifier (RDA) from GENTNER is the answer. RDA's unique eight input design gives you uncompromising versatility and flexibility in your installation. Instead of a limited number of inputs and a fixed number of outputs the RDA has 8 in and 28 out. Any input and any combination of inputs can be routed to any output.

RDA PAS Price \$ _____ List1295.00

LOGITEK



ADA-8 Audio Distribution Amp

- Rugged output stage not damaged by output shorts or overloads
- High slew rate circuitry accurately reproduces audio and SMPTE time code
- Extremely low noise/low distortion for high quality audio distribution
- Five year limited warranty

ADA-8M 1 in / 8 out mono List400.00

ADA-8S 1 in / 8 out stereo or 1 in / 16 out mono or dual 1 in / 8 out mono List506.00

CALL FOR PAS PRICING ON LOGITEK AMPLIFIERS

RADIO DESIGN LABS

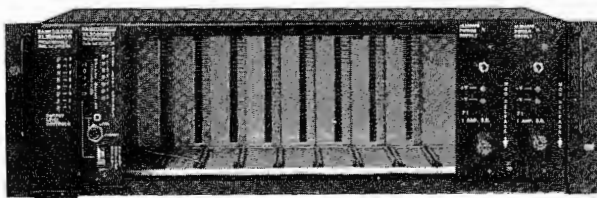


The STDA-3 allows the bridging of any audio line, adjusting the gain, and driving up to three outputs. Each output is driven by a separate amplifier, and is isolated from both the input and from the other outputs. Anywhere you need audio distribution with up to 3 outputs, balanced or unbalanced input and outputs, to bridge a line for local distribution, distribution with impedance conversion and distribution with gain or loss, you need STDA-3.

STDA3 Mono PAS Price \$ _____ List103.95

STDA3D Stereo PAS Price \$ _____ List152.95

RAMKO RESEARCH



The new xL series AS-10 can be used for audio distribution, mixing, switching, processing, remote controls, intercommunication and dry contact machine controls. All modular plug-in units enable you to create any system imaginable. From multi-channel mixers through total sound packages with mixing, EQ, FM tuners and remote switching. All in one compact 5 1/4" high main frame.

xLAS-10	Main Frame	List520.00
xLPS110/230	110/230V supply	List194.00
xLPS20	20V supply	List205.00
xLPS12	12VDC supply	List289.00
xL2080MOD	Audio DA	List215.00
xL2080MET	Audio DA	List294.00
xLM44	Mic/line mixer	List205.00
xLMX1	Master output mixer	List158.00
xLSF2	Hi/Lo shelving filter	List287.00
xLCNG1	Compressor/noise gate	List289.00
xL4X4	Switcher/mixer	List184.00

CALL FOR PAS PRICING

PAS ORDER DESK 1-800-433-7668 • CONSULTATION 1-817-483-7474 • FAX 1-817-483-9952

DISTRIBUTION AMPLIFIERS

RAMKO RESEARCH

The xL series audio DA's incorporate all the features you have asked for over many years.

Features:

- Two year warranty, parts and labor
- Outputs short circuit protected.
- All IC's mounted in gold plated contact sockets.

xL4S/8M

- 1 x 4 stereo, dual 1 x 4 mono, 1 x 8 mono.
- Table top/bracket & single or dual rack mount.
- Optional solid state meter & phones follow monitoring.

xL8S/16M

- 1 x 8 stereo, dual 1 x 8 mono, 1 x 16 mono
- Table top/bracket or single rack mount
- Regulated power supplies
- Optional group/individual output metering and phones follow monitoring

xL4S/8M

List236.00

xL4S/8M-J (optional phone jack outputs)

List268.00

xLMO-4 (optional metering/phones monitoring)

List79.00

xL8S/16M

List378.00

xL8S/16M-J (optional phone jack outputs)

List419.00

xLMO-8 (optional metering/phone monitoring)

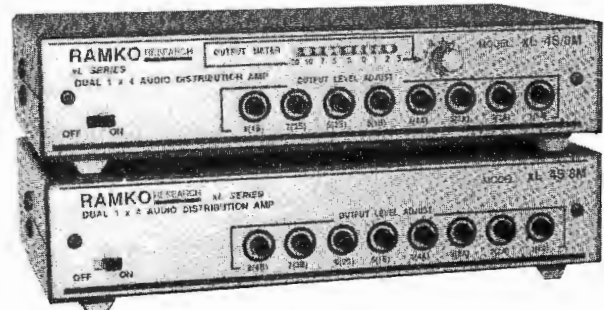
List116.00

R1 Single Rack Mount

List26.00

R2 Dual Rack Mount

List37.00



CALL FOR PAS PRICING

SHURE

The FP16A from SHURE is a 1 in, 6 out, compact, self-contained DA for routing multiple audio feed without sacrificing signal clarity. The FP16A is the first portable DA specially designed for field production use and offers features rarely found in other amps.

FP16A 1 x 6 Distribution Amplifier

PAS Price \$ _____

List585.00



HEADPHONE AMPLIFIERS

ALESIS

Designed to take two separate headphone signals and combine them at either of two separate headphone jacks per unit. MicroCue Amp also features a Stereo Line Out jack which allows two or more units to work in conjunction with each other so your producer, or whole band can join in on the fun. Individual level control for each input is provided by means of two volume knobs per output located on the front panel.

MICRO CUE AMP

PAS Price \$ _____

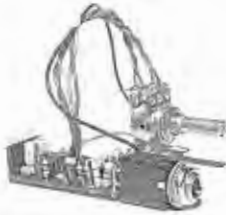
List149.00



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HEADPHONE AMPLIFIERS

BENCHMARK



The HPA-1, stereo headphone amplifier can be used anywhere. Use them in consoles, at the patch bay, in telephone talkshow roundtables and in test sets, wherever you need individual level control. Use them in studio monitor boxes and belt-pack mic preamps. You can also use them to drive speakers to moderate levels. The HPA-1 is ideal for headphones in the 60 to 600 Ω range.

HPA-1 PAS Price \$ _____ List60.00

EDCOR



The HA400C EDCOR Headphone Amplifier can be applied to almost any situation where high fidelity reproduction and high power output is required to block distracting ambient noise. Four independent stereophonic power amplifiers, each with its own volume control, provide the listener with high fidelity reproduction far surpassing all but the most expensive systems using very high quality speakers.

HA400C	4 Channel	List.....231.00
HA800C	8 Channel	List.....361.00
HA400/RM	Rack Mount for HA400C	List.....21.00
HA800/RM	Rack Mount for HA800C	List.....21.00

CALL FOR PAS PRICING

GENTNER



The 6X Headset/Speaker amplifier is a six output stereo amplifier capable of delivering up to 2 watts per channel. The flexible input configuration of the 6X makes set up and operation fast, simple and adaptable to each and every application. The 6X has a master stereo input and individual direct inputs for each of 6 channels. The direct inputs are designed for your flexible application, providing either mono or stereo input.

6X PAS Price \$ _____ List.....795.00

RANE



The RANE HC-6 is a six channel stereo headphone amp with balanced - unbalanced master inputs. Designed in this model are separate inputs for each of the six stages, which individually bypass the master stereo inputs.

Specification:

- S/N Ratio — Noise lower than -91 dB
- Frequency Response — 5 Hz to 24 Hz
- Distortion —THD - .4% 20 Hz to 20 kHz

HC-6 6 Channel PAS Price \$ _____ List.....399.00

*Visa
and
Mastercard
accepted for all
orders*

HEADPHONE AMPLIFIERS

SHURE

The FP12 is a 1 input, 2 output headphone bridging amplifier designed to provide headphone feeds from any type of audio input. Unlike other headphone amplifiers that unbalance and 'terminate' the input signal, the FP12 may be operated in-line. The signal is greatly amplified to drive headphones while leaving the 'looped through' input signal undisturbed. The FP12 can be used for a wide variety of applications such as multiple headphone feeds, audio line troubleshooting, extra power for existing headphone circuits, a two-station intercom system, or a means of practicing electronic instruments through headphones.

FP12 Headphone Bridging Amplifier List.....260.00
PAS Price \$ _____



SYMETRIX

The SYMETRIX SX204 Headphone Amp is a 1 in 4 out stereo device, specially designed to drive multiple headphones of any impedance. SYMETRIX proprietary high voltage converted technology solves the common problem of insufficient voltage swing to drive high impedance headphones.

SX204 PAS Price \$ _____ List299.00
RM-2 PAS Price \$ _____ List39.00



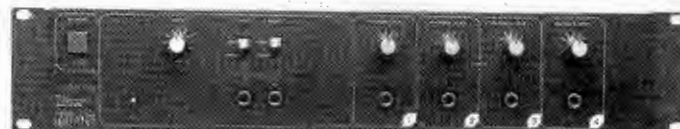
TASCAM

The TASCAM MH-40B accepts a low or high line level mono or stereo input and feeds it to four adjustable headphone outputs.

Specifications:

- Frequency Response — 50 Hz - 20 kHz, ± 2db
- S/N Ratio — 88 dB
- Distortion — THD: 1% at maximum output

MH-40B PAS Price \$ _____ List350.00

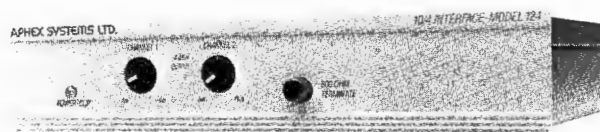


INTERFACE AMPLIFIERS

APHEX

The 10-4 Box, model 124 from APHEX will easily interface consumer audio equipment with professional studio and broadcast facilities. Active, servo-balanced circuitry converts +4dBm (or +8dBm) line levels to -10dBm (hi-fi) levels, and back again. XLR and RCA type connectors enable quick hookup.

124 PAS Price \$ _____ List219.00



ATI

The ATI Disc-Patcher™ is a uni-directional stereo interface for Playback Only applications. It is designed specifically to convert the unbalanced IHF outputs of Digital Compact Disc Players to transformer balanced and isolated 600Ω line levels with no compromise or degradation of the superb performance available from the digital audio source. The Disc-Patcher is equally at home on the newsroom desk to interconnect field ENG cassette recorders into broadcast systems for dubbing.

Specifications:

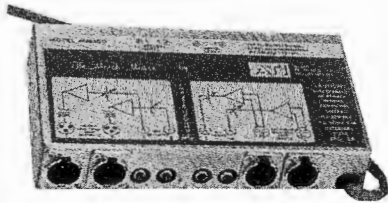
- Maximum Levels — +24dBu in, +23dBm out
- Noise Output — -80dBm Maximum
- Harmonic Distortion — .01% max. at Peak Level
.005% max. at Nominal Level
- Frequency Response — +0, -.25db, 20 to 20,000Hz
-3db at 1.0Hz and 65kHz

DP-100 Disc-Patcher™ PAS Price \$ _____ List.....219.00



INTERFACE AMPLIFIERS

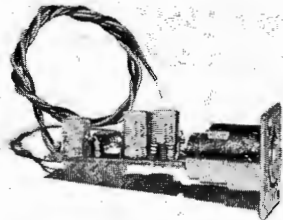
ATI



The ATI Match-Maker™ is a bi-directional interface to bridge a stereo pair of 600Ω balanced, +4dBm lines and convert those signals to a nominal .25V (-10dBu) level to feed, for example, the record inputs of a cassette or reel-to-reel tape recorder. Simultaneously the Match-Maker also converts the unbalanced stereo, .25 Volt deck playback outputs to a transformer balanced, floating +4dBm, 600Ω professional line level.

MM-100 Match-Maker™ PAS Price \$ _____ List.....269.00

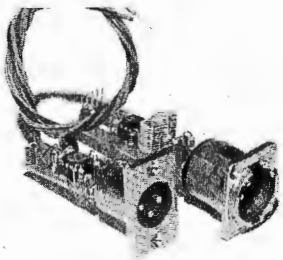
BENCHMARK



The DIA-2 operates from a single+ power supply. A fine application for the DIA-1&2 amplifiers is a VU meter buffer. Since all VU meters have unbuffered internal rectifiers, that can add up to 0.1% distortion to a 600Ω line. And with many VU meters in a system you have trouble.

DIA-2 List.....55.00
DIA-2LN List.....55.00

CALL FOR PAS PRICE



Interfacing a CD player, FM tuner, audio or video cassette matching to the pro audio environment can be a challenge. The DOAs-1 & 3 provide a professional interface at a very low price. The DOAs have variable gain from off to +26dB, mount inside equipment where cabling, space mounting and AC power problems are eliminated. The 1 & 3 use bipolar power from ±6V to ±22V. The DOA-2 has the same performance as the DOA 1 & 3, but uses single + power from +12V to +44V D.C..

DOA-1 PAS Price \$ _____ List.....55.00
DOA-2 PAS Price \$ _____ List.....55.00
DOA-3 PAS Price \$ _____ List.....55.00

COUNTRYMAN



Type 85 the best direct box money can buy provides the ultimate way to connect mikes to a recording or PA console with loss of audio quality. The Type 85 eliminates distortion, loss of volume and change in tone quality by isolating your pickup with an FET amplifier which reduces this loading by 500 times.

Type 85 PAS Price \$ _____ List192.00

HENRY



The Matchbox is the industry's most used level and impedance converter. It's the ideal way to interconnect "HiFi" or semi-pro equipment with professional studio gear. The Matchbox is bidirectional, with four independent amplifiers providing full stereo input and output interface. There are no transformers or capacitors in the signal path, making it the best interface unit use with CD players, PCM converter and other digital sources. An internal EMI shield helps eliminate hum and noise caused by external sources.

Matchbox PAS Price \$ _____ List195.00



The Twinmatch is a dual stereo level and impedance converter designed to interface unbalanced (-10 dBv) equipment outputs with professional (+ 4 dBm) studio inputs. Four channels of amplification are provided, making Twinmatch ideal for use with a pair of stereo CD players. Each channel accepts an unbalanced input at -10 dBv and amplifies it to a balanced, low impedance output at +4 dBm.

Twinmatch PAS Price \$ _____ List195.00

INTERFACE AMPLIFIERS

PRO CO

The Pro Co Model DB-1 is a simple passive direct box that offers clean, reliable performance without unnecessary gimmicks or frills. It can be used for nearly any instrument or signal source, from electric bass, keyboards and drum machines to sub-mixers and external speaker outputs..

DB-1 PAS Price \$ _____ List.....124.50

PAS CARRIES A FULL LINE OF PRO CO PRODUCTS.
CALL FOR COMPLETE INFORMATION



RADIO DESIGN LABS

Model STA-1 Electronic Transformer from RADIO DESIGN LABS anywhere you need:

- Up to 20dB gain in an audio line
- Conversion from balanced to unbalanced
- Conversion from unbalanced to balanced
- Conversion from high to low impedance
- Conversion from low to high impedance
- To bridge an audio line feed
- To precisely match audio levels

STA-1 PAS Price \$ _____ List.....114.95

Model STD-1 Divider/Combiner from RADIO DESIGN LABS anytime you need:

- To combine audio signals to a single output
- To filter RF from an audio line
- To combine stereo signals
- To feed a mono signal to stereo inputs
- To combine multiple mics to a single amp input

STD-1 PAS Price \$ _____ List.....34.95



RAMKO

The new xL series of audio interfacing amplifiers by RAMKO can solve virtually any matching, buffering, amplifying, balancing or unbalancing problem you may be confronted with, mono or stereo.

MM1A — Mono two way system providing one balanced/unbalanced input with gain controllable unbalanced output, with the second section providing one unbalanced input feeding a gain controllable balanced/unbalanced output.

MM1B — One way dual mono/stereo operation and configured to convert two unbalanced equipment outputs into high level balanced outputs.

MM2 — This unit has it all. Two channel (dual mono/stereo) and two way matching between equipment. This is in essence two MM1A's in one housing.

Features:

- XLR & RCA Type connectors on all inputs and outputs.
- Unbalanced inputs, 50k Ω
- Balanced inputs/outputs may be used balanced or unbalanced
- Field convertible from table top to rack mount in minutes

xL-MM1A	PAS Price \$ _____	List149.00
xL-MM1B	PAS Price \$ _____	List149.00
xL-MM2	PAS Price \$ _____	List205.00
R1	PAS Price \$ _____	List26.00
R2	PAS Price \$ _____	List37.00



ONE CALL DOES
IT ALL
800-433-7668

INTERFACE AMPLIFIERS



RUSSCO

Don't be fooled by the size or price of the CD100 adapter-amplifier from **RUSSCO**. Despite its small size and inexpensive price tag, it is an impedance matching amplifier forged from the anvil of craftsmanship. Designed specifically to interface consumer type CD players, it can be used to interface any high impedance output device to a 600Ω line, balanced or unbalanced.

CD100 PAS Price \$ _____ List.....79.90



STEWART

The ADB-1 has been engineered for maximum performance, reliability and ease of use. While technically superior, it has been built to be rugged and virtually indestructible.

Features:

- Flat Response
- Low Noise
- Switchable ground isolation
- Operates on 9v battery or phantom power
- Frequency Response - ±0.5dB, 20Hz-20kHz
- RF Protection on input and output
- Low Distortion
- S/N Ratio -116dB
- Two year warranty

ADB-1 PAS Price \$ _____ List.....106.50



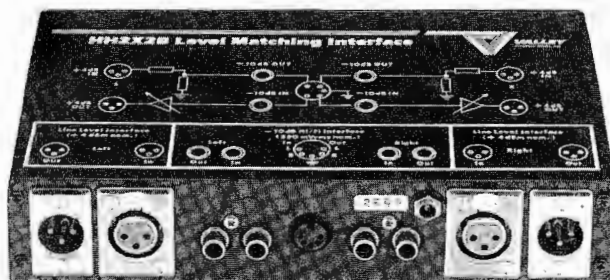
TASCAM

The **TASCAM** LA-40 is the perfect 1 rack space solution to the problem of mismatched line levels or impedances. The LA-4 is a compact 4 channel unit that permits interconnection between +4dBm, -20dBm and -10dBV inputs and outputs. It also matches balanced and unbalanced circuits.

Specifications:

- Frequency Response — 20 - 20,000 Hz ± 0.5dB
- S/N Ratio — -85dB
- Distortion — 0.008%, 1,000Hz @ +10dB

LA-40 Line Amplifier/Impedance Converter
PAS Price \$ _____ List450.00



VALLEY INTERNATIONAL

While the HH 2x2B Level Matching Interface from **VALLEY** immediately 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 pickup and hum, thanks to electronic balancing of the +4/+8 inputs and outputs.

Specifications:

- Impedance — 600Ω, +27dBm max.
- Distortion — 0.004% @ +6dB output

HH 2x2B PAS Price \$ _____ List.....179.00
Rack Mount PAS Price \$ _____ List.....30.00

**ONE CENTRAL LOCATION
MEANS SAVINGS FOR
OUR CUSTOMERS**

MIC/LINE AMPLIFIERS

ATI

L-1000 Series Precision Dual Line Amplifiers from ATI

Features:

- Balanced differential inputs: 30,000Ω bridging, fully transient protected and RF suppressed
- 80dB common mode hum rejection
- High input overload capability: +24dBm bridging
- Low Noise: -107dBm equivalent input noise (20kHz bandwidth)
- Low distortion: .2% maximum (transformer output)
.05% maximum (direct outputs)
- Flat response: ±25dB, 50 to 20,000 Hz
- 34dB voltage gain: Front panel adjustable

L-1000-1 Dual, Transformer Outputs List375.00
L-1000-2 Dual, Balanced Differential Outputs List355.00

Features of the ATI Dual Microphone Amplifiers:

- Transformer coupled inputs and outputs incorporate full electrostatic and magnetic shielding.
- XLR type input connectors
- Low noise - 124dBm equivalent input noise (20kHz)
- High input overload: 125mVrms minimum
- High gain: 72dB, front panel adjustable
- Low distortion: .2% maximum with input levels up to 100mVrms
- Flat response: ±25dB, 50 to 20,000 Hz

M-1000-1 Dual, Transformer Outputs List425.00
M-1000-2 Dual, Balanced Differential Outputs List395.00

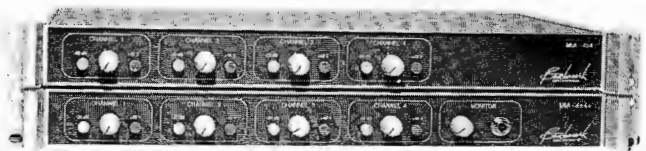
CALL FOR PAS PRICING



BENCHMARK

The MIA-4 pre-amp, element of the MIA-4x4 and 4x4+, has been acclaimed by many to be the worlds finest. Independent critical listening has confirmed the truly superior aural performance of this device. The reason for this is the preamps ultra low inter-modulation distortion. The MIA-4x4 is a one rack unit high, quad pre-amplifier system. It has four balanced inputs, four balanced outputs with switchable phantom power and 20dB pad. The total gain range, including the pad, is -2 to +73 dB. The MIA-4x4+ has the same features plus a stereo mix, four preamps to two outputs, channels 1 and 3 to the left output, channels 2 and 4 to the right output.

MIA-4 PAS Price \$ _____ List.....240.00
MIA-4x4 PAS Price \$ _____ List.....1325.00
MIA-4x4+ PAS Price \$ _____ List.....1575.00

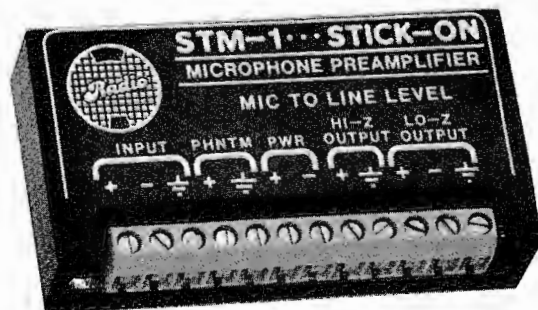


RADIO DESIGN LABS

Model STM-1 Pre-amplifier Mic to Line Level is what you want whenever you need:

- Hi or Lo-Z input mic preamp
- Balanced or unbalanced output
- Optional phantom supply input
- RF filtered input and output
- Excellent performance and "Stick-On" convenience
- Input Impedance — 150 to 600Ω balanced; 5KΩ unbalanced
- Output Impedance — 600Ω balanced; 10k Ω unbalanced
- Gain — 50dB Nominal
- Frequency Response — 50 Hz to 30,000 Hz ± 1 dB

STM-1 PAS Price \$ _____ List81.95



CALL YOU PAS REPRESENTATIVE
FOR YOUR AMPLIFIER NEEDS

MIC/LINE AMPLIFIERS

RAMKO



The xLM2L2 dual channel phantom powered mic & line amplifier is designed to provide all the functions normally found in several different amplifiers. Phantom power (switch selectable), dual line and mic level inputs (independent switch selectable), dual balanced low impedance outputs, miniature table top packaging or 1 to 4 unit 1 3/4" rack mounting, and an accessory rear panel jack to supply power to up to 7 additional units from one UL Listed PS-20 power module. Rack Mounts available.

xLM2L2 PAS Price \$ _____ List171.00
 PS-20 Power Module PAS Price \$ _____ List26.00

SHURE



Model FP11 by SHURE is a portable 1 in, 1 out microphone-to-line level amplifier designed for field production applications including ENG, EFP, and on location film production. The FP11 provides up to 84 dB of gain to boost mic and auxiliary level devices to line level. It is powered by a standard 9-volt battery.

Specifications:
 • Frequency Response — 20-20,000 Hz, +1, -3dB
 • Distortion — > 0.5% THD for 40-20,000 Hz @ +15 dBm
 • S/N Ratio — -129dBV

FP11 PAS Price \$ _____ List275.00

SYMETRIX



The Model SX202 Dual Microphone Preamp is an ultra clean two channel stereo/mono preamp, intended for use in the most critical digital and analogue recording situations. It is ideally suited for broadcast use and for general purpose paging and public address applications.

Features:
 • Exceptional sonic performance
 • +48 volt phantom powering
 • Input levers to +14dBv
 • L, R, and L + R outputs

SX202 PAS Price \$ _____ List299.00
 RM2 PAS Price \$ _____ List39.00

YAMAHA



Yamaha presents the MLA7, a professional quality microphone and balanced line input capability in a slim, rack mount package. A few of the many features are balanced XLR connector on all input channels, built in 48 volt DC phantom power supply to XLR connector for remote powering of condenser microphone. LED peak indicators for each input channel indicate when the signal reaches within 3 dB of clipping. Smooth, noise free gain controls for each channel permit continuous level adjustment from -60 dB to -20 dB. The MLA7 has standard +4 dB unbalanced phone output jacks for direct connection to the DMP7 Digital Mixing Processor, or virtually any audio equipment.

MLA7 PAS Price \$ _____ List450.00

**STOCK ITEMS ORDERED
 BY 12:00 P.M.
 CENTRAL TIME
 SHIP THE SAME DAY**

POWER AMPLIFIERS



ASHLY

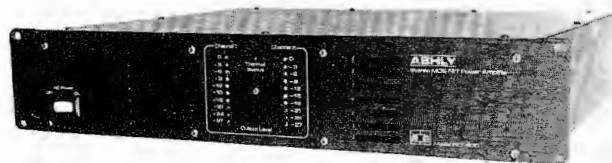
The **ASHLY** MOS-FET Amplifiers deliver professional performance with superb reliability.

Specifications:

- Distortion — .05% 20Hz-20,000kHz, 8 Ω
- Frequency Response — ± .5dB 10Hz-50kHz
- Hum & Noise — >110dB below full output

FET-2000C PAS Price \$ _____ List999.99

FET-2000M PAS Price \$ _____ List1099.99
Includes Meter and XLR's



BGW

The **BGW** Model 85 delivers 35 watts per channel at 8Ω. All three versions utilize the same modular circuit assembly. There is an ultra low noise discrete differential pair, encapsulated into a single package for the input stage. Lower noise, transient free turn-on/turn-off, and inherently low feedback are all benefits of this new circuit design. If you require an active balanced input specify the Option 01. The BGW active balanced input module guarantees 70dB common mode rejection ratio (CMRR).

Specifications:

- Frequency Response — +0, -0.25dB, 20Hz to 20kHz
- Harmonic Distortion — no more than 0.1% 35W/Ch @ 8Ω

Model 85 PAS Price \$ _____ List529.00



CARVER

PM-120 from **Carver** is a 60/60 watt magnetic field power amplifier. It has L/R level controls with 11 precision detents and stereo headphone jack. Other features include clipping eliminator circuitry with back panel switch, heavy duty 5 way speaker binding posts, XLR, TRS and barrier strip inputs, switchable XLR pin configuration and dual channel LED display. The PM-120 has a 70 volt transformer option.

PM-120 PAS Price \$ _____ List560.00



The PM-1200 is a 600 + 600 watts into 4 Ω field power amplifier with high efficiency linear tracking output design. Some of the features are L/R level controls with 11 precision detents, remote/manual sequential power on/off, dual stage slow power up, clipping eliminator circuitry with front panel switch, heavy duty 5 way speaker binding posts, XLR and TRS inputs, dual channel 7 segment LED display along with a 70 volt transformer option.

PM-1200 PAS Price \$ _____ List1250.00



CROWN

The **Crown** D-75 power amplifier, requiring only 1 3/4" of vertical rack space, was designed to operate safely and continuously into a variance of load requirements. The D-75 provides 35 watts per channel minimum RMS (both channels operating) into an 8Ω load over a bandwidth of 20Hz-20kHz at a rated sum total harmonic distortion that is 0.05% of the fundamental output voltage.

Specifications:

- Frequency Response — ±0.1dB 20 Hz-20kHz @1W into 8Ω
- Harmonic Distortion — Less than 0.0001% from 20Hz-400Hz
- 1KHz Power — 40 watts RMS into 8Ω, per channel, both channels

D75 PAS Price \$ _____ List549.00



POWER AMPLIFIERS

CROWN

The D-150 amplifier from **Crown** includes a rugged front panel with a scratch-resistant, baked enamel finish and is rated at 125 watts per channel into 4Ω.

Specifications:

- Frequency Response — ±0.1dB @ 1 watt into 8Ω
- Harmonic Distortion — Less than 0.001% from 20Hz - 400Hz
- 1KHz Power — 90 watts RMS into 8Ω, per channel, both channels operating 0.1% total harmonic distortion

D-150 PAS Price \$ _____ List879.00



The **Crown DC-300A-2** is a standard of sonic accuracy, power and reliability. It is FTC rated at 250 watts per channel into 4Ω, 500 watts per channel into 8Ω mono.

Specifications:

- Frequency Response — ±0.1dB DC-20kHz at 1 watt into 8Ω
- Harmonic Distortion — Less than 0.001% from 20Hz-400Hz
- 1KHz Power — 180 watts RMS into 8Ω, per channel, both channels operating, 0.1% total harmonic distortion

DC-300A-2 PAS Price \$ _____ List1199.00



PAS ALSO CARRIES MICRO-TECH AND MACRO-TECH AMPS
CALL FOR FURTHER INFORMATION

ELECTRO-VOICE

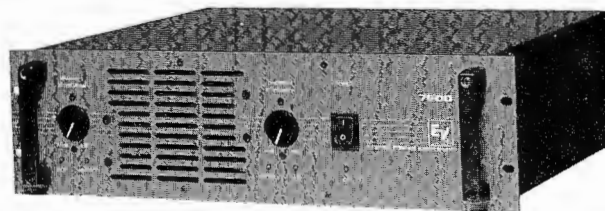
The 7300 stereo power amplifier from **Electro-Voice** is rated at 300 continuous watts into 4Ω and 200 watts into 8Ω over the full bandwidth. In the mono-bridge mode, activated by an easy access mode switch the amplifier will deliver 600 watts into 8Ω. Built to withstand the rigors of the road the 7300 is compatible with all **Electro-Voice** stage systems. The amplifier also offers full independent channel protection, balanced/unbalanced inputs and octal sockets for crossover and EQ accessory modules.

7300 PAS Price \$ _____ List1060.00



The 7600 stereo power amplifier was designed to complement high powered speaker systems. The amplifier is rated at 850 watts into 2Ω, 600 watts into 4Ω and 400 watts into 8Ω. In the mono bridge mode into 4Ω, the 7600 is capable of producing 1800 watts. A universal transformer makes it operational anywhere in the world and the amplifier has UL certification.

7600 PAS Price \$ _____ List1800.00



PAS
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DOLLAR INVENTORY IS
READY NOW
TO HELP YOU WITH YOUR
AUDIO NEEDS

POWER AMPLIFIERS

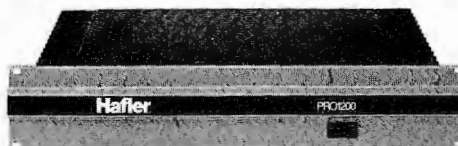
HAFLER

The most advanced MOSFET technology gives the Hafler PRO 1200 unsurpassed efficiency and reliability. You can't afford to settle for less when your success depends on your sound. The PRO 1200 delivers the three important features professionals demand, fidelity, simplicity and reliability. A few of the features are 60 watts per channel into 8Ω, 85 watts per channel into 4Ω and 170 watts into 8Ω, balanced 1/4" phone jacks and XLR inputs.

PRO1200 PAS Price \$ _____ List.....500.00

Hafler has designed the PRO2400 to deliver over 250 watts per channel into 2Ω and 200 watts into 4Ω. In bridged mono mode, its 400 watt power rating is made more meaningful by a 4Ω peak rating of 500 watts.

PRO2400 PAS Price \$ _____ List.....630.00



QSC

The model 1100 is a moderate power, single rack space amplifier designed for professional and commercial audio applications requiring both high performance and reliability.

Specifications:

- Frequency Response — 20-20kHz, +0, -0.5dB Models 1100 & 1700
- Frequency Response — 20-20kHz, -1dB Models 1200 & 1400
- Noise — 100dB below full output, A weighted
- Distortion — 8Ω THD 20-20kHz at rated power shall be less than 0.1%

1100 PAS Price \$ _____ List.....568.00
 1200 PAS Price \$ _____ List.....598.00
 1400 PAS Price \$ _____ List.....798.00
 1700 PAS Price \$ _____ List.....1248.00
 OT300 70 Volt Output Transformer PAS Price \$ _____ List.....98.00



The QSC MX1500 is designed for maximum power into today's high power, high performance speaker systems. Unlike competitive amplifiers with reduced output at 2Ω, the MX1500 delivers a massive 750 watts per channel to assure the highest level of performance under the most demanding conditions.

Specifications:

- Frequency Response — ± 0.1 db 2-20kHz
- Distortion — THD, 20-20kHz, from 250 milliwatts to rated power, > 0.1%

MX1500 PAS Price \$ _____ List.....1098.00



JBL/UREI

The JBL/UREI SR Series of power amplifiers are functional tools designed to satisfy the specific demands of the audio professional and musician in terms of reliability and sonic quality. Key features are rated output power of 150, 300 and 500 watts per channel into 4Ω over a full 20 Hz-20kHz bandwidth, forced air cooling linearly tracks heatsink temperature, small lightweight, roadworthy 2 rackspace chassis and power-on, signal present, clip and protect/standby indicators.

SR6615 PAS Price \$ _____ List387.00
 SR6630 PAS Price \$ _____ List895.00
 SR6650 PAS Price \$ _____ List1195.00



NEED AN ITEM NOT SHOWN?
 CALL YOUR PAS REPRESENTATIVE TODAY

AUTOMATION EQUIPMENT

ATI

Capable of many functions, you can use the VU1000 as an input line selector to an audio or video recorder, a remote line selector into your console and for general metering and monitoring of critical signals. Eight balanced bridging inputs are panel and remotely selectable to feed a LED bargraph meter with both VU and PPM ballistics plus a balanced line output and a headphone jack. A range switch sets the reference line output and 0VU indications for five levels from -10 to +18dBm. An optional built-in 6 watt power amplifier drives external speakers.



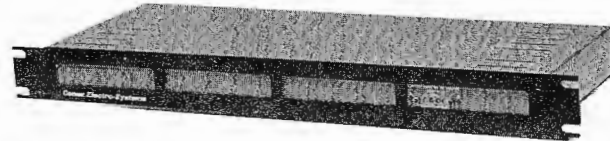
VU1000 PAS Price \$ _____ List645.00

CONEX

The CS-25B-10 dual 25 Hz tone sensor by **Conex** is a compact and reliable bridging-type 25 Hz tone sensor for use in broadcast automation and tape control systems. The unit features two independent sensors, allowing very economical expansion of existing systems.

Specifications:

- Minimum tone level — -20 dbm nominal, adjustable
- Stop delay adjustment — 0-5 seconds
- In/Out connections — 12 pin "Jones Plug"
- Audio Input — 10 K Ω impedance, unbalanced



CS-25B-10 PAS Price \$ _____ List417.00

The **Conex CG-25A 25Hz Tone Generator** is a compact self-contained, desk top unit. It provides a simple low cost method of recording tapes for automation.

CG-25A PAS Price \$ _____ List420.00
 Rack mount PAS Price \$ _____ List27.00



The **Conex Cue Amp** is a stereo, 8 channel in, 1 channel out general purpose cue monitor, and line amplifier. The Cue Amp provides the easiest, least expensive, and most compact way of handling a variety of common monitoring, cueing, amplifying, and switching situations in any audio installation.

Specifications:

- Audio Input Level — +20 nominal max. 10k Ω transformerless bridging
- Speaker Amplifier Output Power — 2 watts per channel into 8 Ω load
- Speaker Amplifier Distortion — 0.5% THD nominal at 1kHz
- Headphone Jack



UM-33 Cue Amp PAS Price \$ _____ List550.00

GENTNER

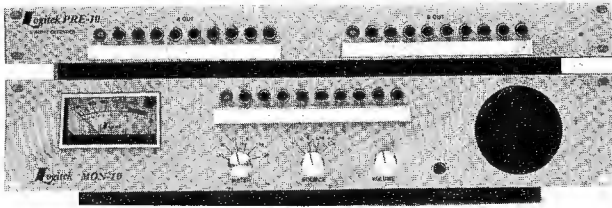
With hectic schedules and limited engineering staffs, sometimes it's difficult to monitor on-air audio or feeds. **GENTNER's** Silence Sensor can help prevent dead air or lost programs, and most importantly, lost revenues. Time-out activation is programmable. A set of dip switches located behind a front panel insert allow you to set time-out for 1 to 65 seconds or 1 to 165 minutes. With this flexibility the Silence Sensor can be used to monitor virtually any audio source. The unique design ignores pops and clicks during the silence period and will not revert to a "ready" mode until true audio is returned.



Silence Sensor PAS Price _____ List449.00

AUTOMATION EQUIPMENT

LOGITEK



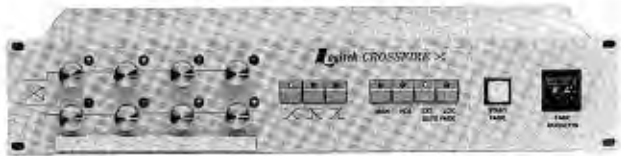
The **LOGITEK PRE-10** Input Expander and **MON-10** Multi-Source Meter/Monitor offer reliable audio Switching, metering and monitoring. Easy to install, and simple to operate it is excellent for Recording Booths, Edit Suites, Vans or any audio test rack. The Pre-10 input expander is a passive routing switcher which feeds any of ten monaural inputs to either of two outputs. You can use it any place where you have more sources than you have audio inputs to connect them to. The MON-10 multi source meter/monitor feeds any of ten stereo inputs to a single stereo output, and also feeds the selected input to a multi-range meter, a 6 watt speaker and a front panel headphone jack. Carries the Logitek exclusive five year warranty.

Specifications:

MON-10 — 10 mono inputs; 1 stereo line output; input impedance is 140kΩ balanced; Connectors are wire capturing terminal blocks; Speaker output S/N ref. 0dBv input is 100dB

PRE-10 — 10 mono inputs; 2 mono outputs; Any input level and impedance can be used since the unit is totally passive.

MON-10	PAS Price \$ _____	List845.00
PRE-10M	PAS Price \$ _____	List495.00
PRE-10S	PAS Price \$ _____	List540.00



The **Crossfire** by **LOGITEK** is an automated audio crossfader controlled by contact closure (GPI) or audio control ramps, which let you run levels and start three different kinds of audio crossfaded hands-free. It turns any mixer into an automated mixer, by letting you crossfade between any two pairs of output channels. Or you can bypass your mixer and feed the Crossfire directly from two two-track machines. For radio network joins, there's even an "alternating" function, which automatically switches between a fade out and an up-and-under, so that you have the proper fade going into and coming out of the newscast. Plus, you can set the fade rate, in repeatable 1/10 second increments, anywhere from instant(cut) to 9.9 seconds.

Crossfire **PAS Price \$** _____ **List**1600.00

M.W.PERSONS



The **Programmer 3A** by **M.W.Persons** is the latest in a series of highly successful "Live Assist" radio music programming aids. The Programmer 3A allows stations to take advantage of music formats which have been recorded on reel to reel tape for automation systems. Up to four reel to reel tape decks can be controlled by the Programmer 3A. It is directly compatible with Otari ARS-1000DC and Revox PR99 playback only decks. Any reel to reel tape deck can be interfaced using a 25Hz tone detector and notch filter.

Programmer 3A **PAS Price \$** _____ **List**.....990.00

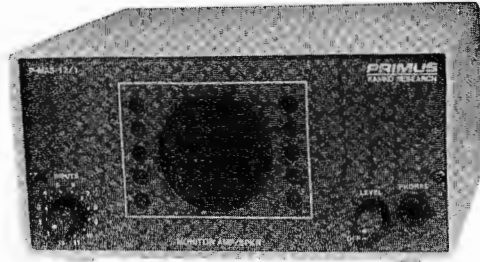
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AUTOMATION EQUIPMENT

RAMKO

Now you can monitor up to twelve different audio sources via the P-MAS/12's built-in 1 watt amp and speaker or external phones. These units will handle a multitude of monitoring tasks around the station AM and FM air, master control, recording control, SCA, News, Network, Automation, etc. Similarly, those in the recording, commercial sound, and security fields will also find this unit a valuable adjunct to their operations. Available in table top or rack mount models.

P-MAS-12 PAS Price \$ _____ List258.00



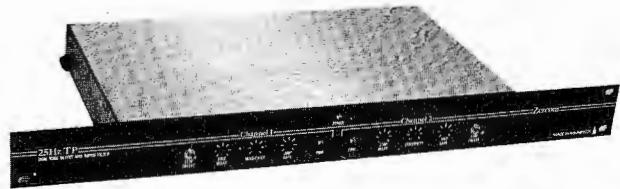
ZERCOM

The 25Hz Tone Processor from Zercom has dual 25Hz tone detectors and dual program amplifiers with 25Hz notch filters. This processor is versatile, easy to connect and reliable.

Specifications:

- Frequency Response — ±0.5 dB 30 Hz to 30kHz
- S/N Ratio — 78 dB Typically 80 dB unweighted
- Harmonic Distortion — .1% max at -17dBm .03% typical

25Hz Tone Processor PAS Price \$ _____ List390.00



360 SYSTEMS

The new DigiCart from 360 SYSTEMS is an advanced digital recorder designed from the ground up for use in broadcast. It works exactly like conventional cart machines but with some notable improvements. DigiCart provides the premium quality sound of digital audio, with high reliability and rugged long life magnetic disk cartridges. It fits right into existing studios without making big changes. It's the same half rack size of today's most popular carts. Audio, remote control and cue signals work the same way they always have. Station personnel does not have to be retrained. It produces ruler-flat response with absolute stereo phase accuracy, no high end roll off or peaks and no adjustment ever. DigiCart provides instant access to every cut on a disk. A large Cue Select knob makes it easy to dial up any selection, with name and running time displayed in a large easy to read window. It's even possible to cue up the next cut while playing the first! Cueing time to the next cut, any cut, is immediate.

DCR-1000 PAS Price \$ _____ List3995.00
 DAD-10 Disks 10 pc. PAS Price \$ _____ List400.00
 RMS-01 Rack Shelf PAS Price \$ _____ List50.00



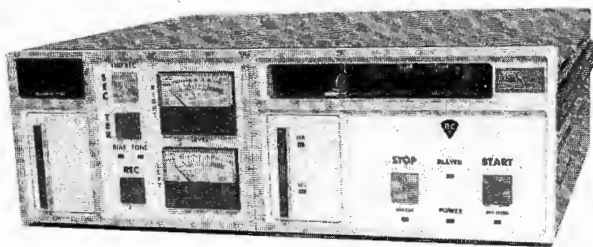
PAS
 WITH ITS' MILLION
 DOLLAR INVENTORY IS
 READY **NOW**
 TO HELP YOU WITH
 YOUR
 AUDIO NEEDS

CARTRIDGE MACHINES

AUDI-CORD

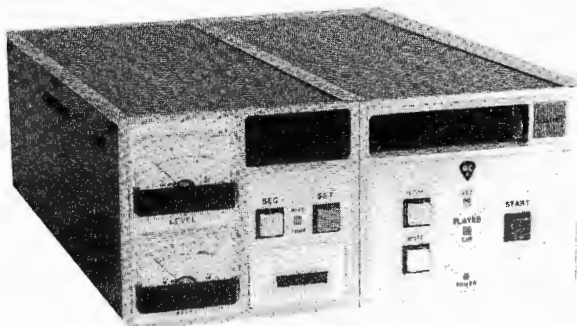
New "S" Series from Audi-Cord are more than just attractive. They were designed new from cabinet feet up, selecting the materials which offered the best manufactured cost consistent with functional integrity, to insure the most machine for the dollar. Just a few of the new operating Features:

- All front access controls in pull-out drawer
- Replay lock-out to prevent accidental replays
- Automatic motor shut-off for long idle periods
- Off cue indicator avoids un-cued carts
- Internal 3 tone response check facility
- Bias and tone recording indicators
- Record shut-off with end of SEC tone



S11	Mono, Play, 3 Cue	List.....1120.00
S16	Stereo, Play, 3 Cue	List.....1210.00
S21	Mono, Rec/Play, 3 Cue & Timer	List.....1840.00
S26	Stereo, Rec/Play, 3 Cue & Timer	List.....2030.00
S32	Mono, Network Delay, 3 Cue & Timer	List.....1950.00

The DL Series from Audi-Cord offers durability at the lowest possible cost. Dual Transport Record-Play Audi-Cord's exclusive "Studio in a Box".

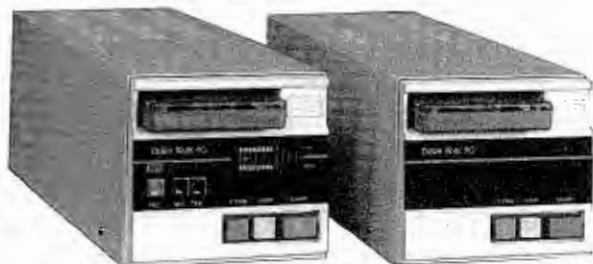


DL-PM	Playback, Mono	List.....920.00
DL-PS	Playback, Stereo	List.....1000.00
DL-RM	Record-Play, Mono	List.....1290.00
DL-RM-5	Record-Play, Mono, w/Timer	List.....1370.00
DL-RS	Record-Play, Stereo	List.....1480.00
DL-RS-5	Record-Play, Stereo, w/Timer	List.....1560.00
DL-DM	Dual Transp, Record-Play Mono	List.....2270.00
DL-DS-5	Dual Transp, Record-Play, Stereo with Timer	List.....2710.00

PRICES LISTED ARE MANUFACTURER SUGGESTED LIST
CALL YOUR PAS PROFESSIONAL FOR PAS PRICES

BROADCAST ELECTRONICS

Dura Trak 90 cart machines offer sparkling audio performance to meet the demands of today's higher-quality audio sources, and today's more demanding listener expectations. Dura Trak 90 gives you all the feature broadcasters need most, at a most affordable price.



DT90AP	PAS Price \$ _____	List1750.00
DT90ARP	PAS Price \$ _____	List2600.00
DT90APS	PAS Price \$ _____	List1900.00
DT90ARPS	PAS Price \$ _____	List2850.00

The PHASE TRAK 90™ from BE is a completely integrated electronic package specifically designed to meet the changing needs of today's broadcast professional. The phase correction circuit of the Phase Trak 90 continually monitors and corrects the phase relationship between the playback audio of the right & left channels. The output of ANY cartridge will undergo automatic phase correction when it is played through the Phase Trak 90 - regardless of what machine was used to produce the cartridge originally. The phase correction capability of the Phase Trak 90 is essentially invisible to the operator, requiring no user adjustments. The Phase Trak 90 boasts a S/N Ratio of better than 80dB (stereo, with Dynafex® noise reduction operational).



PT90P	Mono, Playback	List.....2550.00
PT90PS	Stereo, Playback	List.....2750.00
PT90RPS	Stereo, Record/Playback	List.....4550.00

**PAS CARRIES THE COMPLETE LINE OF
BROADCAST ELECTRONICS
EQUIPMENT
PLEASE CALL FOR INFORMATION**

CARTRIDGE MACHINES

BROADCAST ELECTRONICS

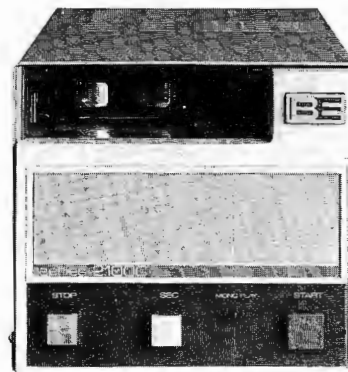
SERIES 2100C

The Series 2100C's from BE are the most cost effective professional tape cartridge machines in the industry today. No other cart machine combines the value and economy of the 2100C's. Included as a standard feature are two cue tones (1kHz and 150Hz).

Features:

- Exclusive mono/stereo switching
- New precision adjust Phase Lok V head block
- Direct drive transport

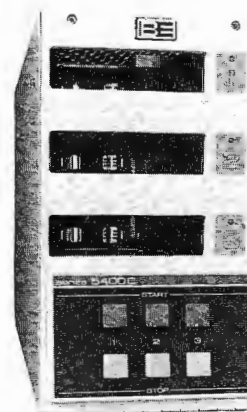
2100CP	Mono, Playback Only	List.....	1550.00
2100CRP	Mono, Record/Playback	List.....	2250.00
2100CPS	Stereo, Playback Only	List.....	1650.00
2100CRPS	Stereo, Record/Playback	List.....	2550.00



SERIES 5400C

The 5400C Cart Machine from BE is an advanced three deck machine capable of handling A, & AA carts. It is one of the easiest machines to install and maintain. It is fully equipped with plug-in decks and PC cards. The optional recording amplifier is available for recording on deck three independent of the other remaining decks. In this manner the 5400C can be utilized as a three deck playback only machine or a two deck playback only with record/play capability on deck three.

5401C	Mono/Playback	List	3900.00
5402C	Mono/Playback w/cue tones	List	4100.00
5403C	Stereo/Playback	List	4400.00
5404C	Stereo/Playback w/cue tones	List	4600.00



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FIDELIPAC

The CTR90 Series attains new standards, and obsoletes previously acceptable specifications. Input and output circuitry is balanced, and direct coupling is utilized through all possible internal stages. Dolby HX Pro™ and DNR® Dynamic Noise Reduction are incorporated as standard features on CTR90 Series Recorders, and DNR is incorporated as standard on all reproducers. DNR is nonencoded, usable with all cartridges and operational only during reproduce. Continuously analyzing audio content, it controls a variable frequency lowpass filter providing increasing amounts of bandwidth reduction during periods of lower signal content. The CTR90 Series has been designed to provide years of reliable operation, and to withstand the abuse so often encountered in a fast paced broadcast environment. Premium quality components assure dependable and quality performance, backed by the Dynamax 2 year limited warranty. Each unit undergoes thorough and comprehensive factory testing and alignment, and is delivered with a complete test printout for performance

CTR91	Mono Reproduce	List	1895.00
CTR92	Stereo Reproduce	List	2050.00
CTR93	Mono Record/Reproduce	List	2790.00
CTR94	Stereo Record/Reproduce	List	3050.00



**ONE CALL DOES
IT ALL
800-433-7668**

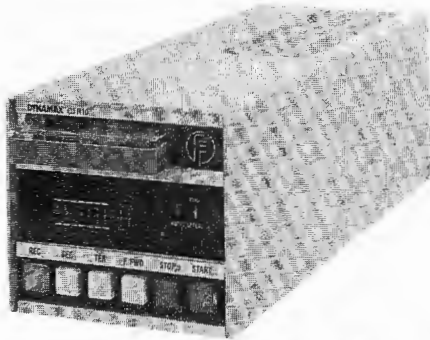
CARTRIDGE MACHINES

FIDELIPAC

Cartscan is the world's most advanced cartridge preparation system. The Dynamax Cartscan™ System allows cartridges recorded at elevated level, mono and matrix stereo to be intermixed with carts recorded in standard level and discrete stereo formats. The Dynamax CTR100 is the only fully equipped cartridge machine available in the world today. Additional operating, diagnostic and convenience features are described, several of which are unique. A thickness-sensitive splice finder is standard in all Record/Play machines. Recorders are equipped with a 12 tone generator which produces all tones found on the NAB Standard Spot Frequency Test Tape. A stop lamp flashes at slow rate to indicate cartridge has recued. A cleaning switch allows activation of pressure roller without inserting a cartridge. Makes cleaning the pressure roller easy especially when rack mounted.



CTR111	Mono, Reproduce	List 2430.00
CTR112	Stereo, Reproduce	List 2620.00
CTR123	Mono, Record/Reproduce	List 4070.00
CTR124	Stereo, Record/Reproduce	List 4390.00

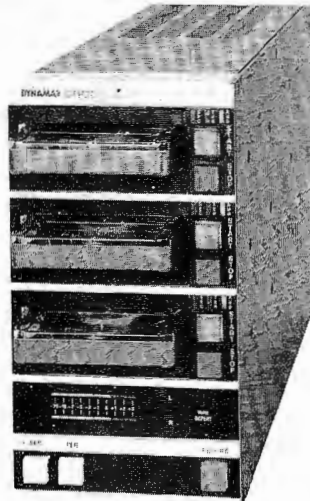


The Dynamax CTR10 Series features all of the mechanical advantages introduced in the world famous CTR100 Series and many of the electronic and operational features as well.

Features:

- Plug in circuit boards with gold plated contacts for high reliability and ease of service
- Micrometer adjustable tape guide height for precise tape positioning
- Long life heads with improved frequency response and noise immunity
- Oversize power supply supports external lamps and accessories
- Cleaning switch (accessible through cartridge opening)

CTR11	Mono, Reproduce	List 1795.00
CTR12	Stereo, Reproduce	List 1935.00
CTR13	Mono, Record/Reproduce	List 2640.00
CTR14	Stereo, Record/Reproduce	List 2890.00



The CTR30 Series from FIDELIPAC is a mono and stereo 3-deck recorder/Reproducers Series with the recorder built in as standard equipment. The bottom deck records, as well as plays. Utilizes CTR10 electronics. All plug-in circuit boards are interchangeable with those used in CTR10 Series machines. All decks have 3 cue tone sensors and dedicated indicators for flexibility and ease of operation. Audio switcher and mixer are included to permit connection to a single console input.

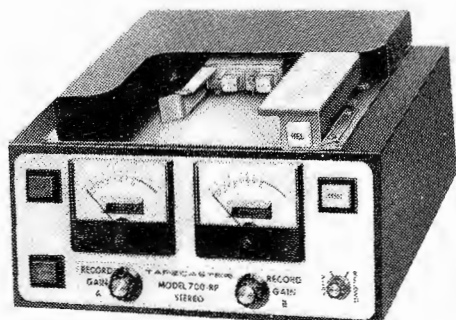
CTR33	Mono, Record/Reproduce	List 4250.00
CTR34	Stereo, Record/Reproduce	List 4600.00

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TAPECASTER

Specifications of the Tapecaster X-701 cart machines:

- Frequency Response — ± 2 dB 50 - 12,000Hz @ 7.5 IPS
- Distortion — 2.0% or less
- S/N Ratio — 58dB or better
- Wow & Flutter — less than 0.1% RMS weighted
- Cue Tones — Primary, 1kHz - Secondary, 150Hz



X701P	Mono, Play	List 860.00
X701RP	Mono, Record/Play	List 1185.00
X701RPD	Mono, Rec/Play w/Delay	List 1350.00
X-701PS	Stereo, Play	List 1035.00
X-701RPS	Stereo, Record/Play	List 1455.00

CALL FOR PAS PRICING

CARTRIDGE ERASERS/ SPLICEFINDER

AUDIOLAB

The TD-1B from Audiolab offers the following features:

- Erases audio, video, computer, magnetic films, cartridges and cassettes
- Erases up to 3/4" wide tape
- Accommodates up to 10 1/2" Nab reels
- Automatic overheat protection
- Resets automatically

TD-1B PAS Price \$ _____ List.....132.00



BROADCAST ELECTRONICS

For optimum performance in any system, every cart needs to be prepared before recording. The cart should be deep-erased and the tape splice located and positioned before the start of audio. With fast, reliable erasure and splice detection, you can't beat the ST-90 Splice Trak. Running at 27.5 ips it zips through your carts, yet it provides a minimum of 85dB of audio erasure with any NAB standard cart. The splice detector is virtually 100% accurate because it actually senses the thickness of the splice itself, rather than using the less reliable photocell method. It is so sensitive, it can detect a variation in tape thickness of as little as 0.0005".

ST90 PAS Price \$ _____ List.....1150.00



FIDELIPAC

The high levels of sound quality which engineers and programers strive for is often compromised before broadcast material is transferred to tape cartridges. This happens in the process of erasing the cartridges. The ESD10 achieves an erase depth of 85dB, or more, using dual, high-quality erase heads, not a coil located below the deck. When program material is recorded over a splice, a severe dropout can occur. Splice location is very important. The Dynamax ESD10 uses a patented splice find system, the same system as developed for the CTR100 Series Recorders, and as a result, the ESD10 requires no sensitivity adjustments whatever.

ESD10 PAS Price \$ _____ List.....1150.00



The model 400 bulk eraser from Fidelipac has the following features:

- Removable guide pin
- Power-on indicator
- Hardwood case
- Erases all audio, video and computer tapes up to 1" wide
- Thermal protected core that will not burn out

400 PAS Price \$ _____ List.....125.00



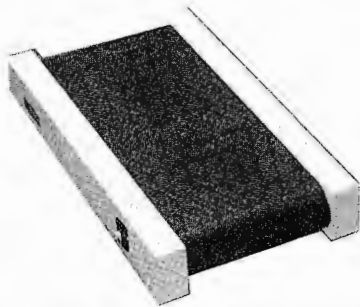
The Fidelipac "Blank It" 395 eraser is a hand held, easy to use bulk eraser. It is burn-out proof and has a longer on duty cycle than any other hand held on the market.

Blank It (395) PAS Price \$ _____ List.....70.00



PAS GIVES YOU A CHOICE

CARTRIDGE ERASERS/ SPLICEFINDERS

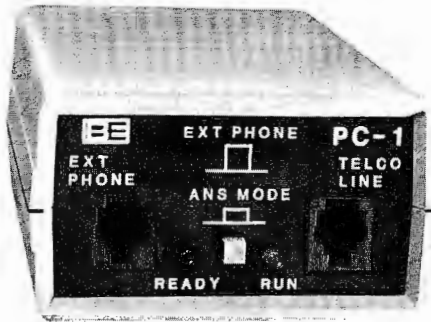


GARNER

The Dataraser 105 provides 100% erasure on all types of data reel, data cartridges and diskettes. Proprietary information is quickly and easily erased before reusing or disposing of media. Once degaussed on the Dataraser 105, the data is destroyed and cannot be recovered. The **GARNER** Dataraser 105 features fast reliable conveyor system with security key lock with erasure level to -80 dB.

Dataraser 105 PAS Price \$ _____ List.....1590.00

CARTRIDGE MACHINE ACCESSORIES/ PHONE



BROADCAST ELECTRONICS

Model PC-1 Telephone Interface from **BE** bridges the gap between listeners and you. Just connect it between an incoming telco line and virtually any cart machine. The PC-1 will answer the phone, play your message, hang up the phone at the end of the message and wait for the next incoming call. Included is automatic gain control circuitry and it is FCC Part 68 registered.

PC-1 Telephone Interface PAS Price \$ _____ List.....225.00

TC-4 Automatic Counter for Telco System PAS Price \$ _____ List.....225.00



GENTNER

If you're looking for an automatic answer and disconnect hybrid coupler, the Auto Coupler is just what you need. It gives you both Send and Caller capabilities. Use this with the EFT-100 or any time you need an automatic answer and disconnect to a telephone line. For central office lines without loop drop, the Auto Coupler CP has a call progress tone decoder to ensure automatic disconnect.

Auto Coupler Pas Price \$ _____ List.....284.00

Auto Coupler CP PAS Price \$ _____ List.....299.00



HENRY

Telecart II is a multi-mode telecontroller with numerous broadcast applications. It will interface with virtually any cart machine to automatically answer a phone line and play a recorded message to the caller. All machine control circuits are relay and opto-isolated. Its failsafe design prevents the line from being answered unless the message cart is cued and ready to play. Telecart II can also be used to listen lines and similar uses where a phone line is automatically answered and audio is fed to the caller, or caller audio is recorded or put on the air. A dual range digital call counter registers up to 9,999 calls received. CPC sensing is included for line release when the caller hangs up.

TELECARD II PAS Price \$ _____ List.....225.00

CARTRIDGE MACHINE ACCESSORIES

ALIGNMENT GUIDES

GENEVA broadcast cartridge height gauge provides critical head track height, tape guide height and head zenith adjustments

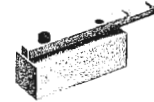
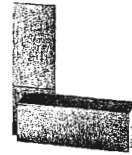
PF-710 PAS Price \$ _____ List.....57.60

Precision gauges by FIDELIPAC help you maintain your cartridge machine to tight tolerances.

326 Height Gauge List.....29.00

387 Right Angle Zenith List.....34.50

HG-1 Height & Zenith (for Dynamax Machines) List.....42.00



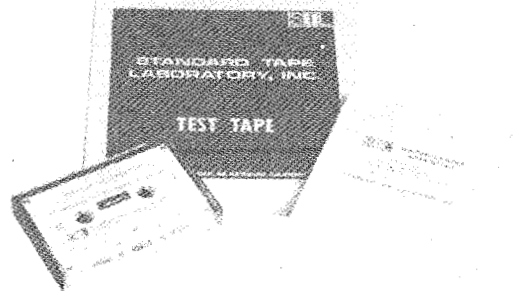
ALIGNMENT CARTRIDGES

MAGNETIC REFERENCE LABS cartridge test tapes are provided in Audiopak, Fidelipac and Scotch Cart shells. MRL provides a number of track and tone formats to meet your exact test applications. Available in both 160 and 250 nw/m.

CALL FOR PRICING AND CONFIGURATION ON MRL TEST TAPES

You can depend on STANDARD TAPE LABS for high accuracy calibration of your cart machines. STL provides a complete selection of precision test tapes. Mono and Stereo tapes are available as well as standard and high output versions.

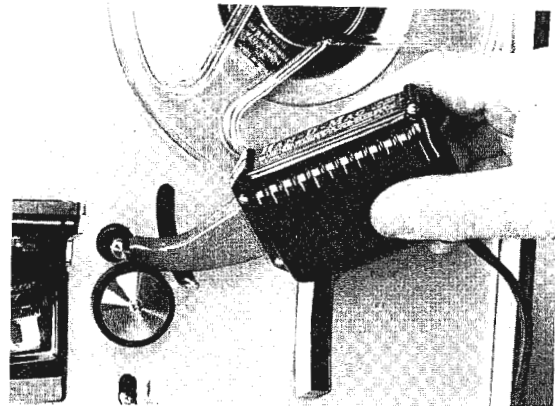
CALL FOR PRICING AND CONFIGURATION ON STL TEST TAPES



DEMAGNITIZERS

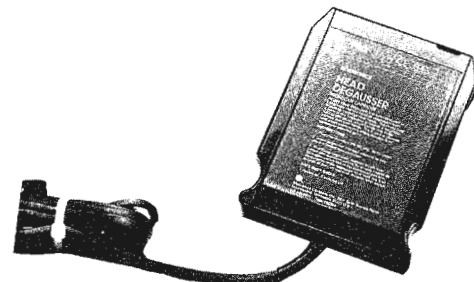
The Han-D-Kit from Annis provides everything needed to measure and eliminate magnetism in recorder components before recorded tapes are damaged permanently. The pocket magnetometer quickly and accurately measures residual magnetism levels in recorder heads, drive capstans or tape guides. Indicates when it's time to demagnetize and lets you know when it's again safe to use the recorder. Whenever the Magnetometer indicates any appreciable level of magnetism in a tape transport component you can demagnetize it effectively with the powerful Han-D-Mag before it causes permanent damage or recorded tapes. Kits includes Han-D-Mag, pocket Magnetometer, clip on extension probe, set of steel test strips and instructions.

K25/115-S	Short Probe Deluxe Kit	PAS Price \$ _____	List.....83.00
115-L	Han-D-Mag Long Probe Only	PAS Price \$ _____	List.....38.00
25/5	Range 5 Gauss	PAS Price \$ _____	List.....49.00
Set of Steel Test Strips			List.....2.00



The Broadcast Head Degausser from GENEVA is the same size as a broadcast cart and when inserted into a cart machine, its 400 Gauss flux intensity demagnetizes record and play back heads in seconds.

PF-380 PAS Price \$ _____ List.....62.50



PAS FAX LINE
817-483-9952

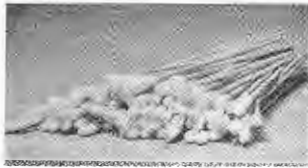
CARTRIDGE MACHINE ACCESSORIES



PROFESSIONAL HEAD CLEANER

Cleans tape heads, tape guides, pinch rollers, capstans. Dissipates quickly, leaves no residue, non-hydroscopic, non-flammable, non-toxic and completely safe.

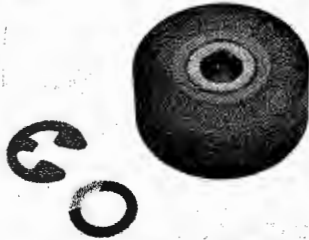
PAS 40	Quart	PAS Price	6.95
PAS 80	Gallon	PAS Price	19.50



CLEANING SWABS

Cleaning your cart machines was never easier. Sturdy 6" wooden swabs with a large cotton head.

PAS 100	6" swabs 1000 ct.	PAS Price	11.95
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PRESSURE ROLLERS

Replace your dried out cracked pressure rollers with new, fresh ones from PAS.

PAS 60	Standard (Black)	PAS Price	8.50
PAS 65	Long Life Polymer Resin	PAS Price	16.95

BROADCAST CARTRIDGES



AUDIOPAK

The **Audiopak A2** is the standard cart for broadcasters the world over. It is a time proven cart for stations who care about better sound.

The key feature of the **Audiopak AA-4** is the new SGS-4 mastering tape. When recorded on a high quality cartridge recorder, the SGS-4 tape can produce virtually identical copies of the best analog or digital master tapes.

IN STOCK FOR IMMEDIATE DELIVERY

CALL FOR PAS PRICING ON AUDIOPAK CARTS



FIDELIPAC

The **300 Model** broadcast cart from **Fidelipac** provides quality and performance that all stations have come to demand. It will last for many years with only replacement of pads and tape making this the cart most requested by budget minded stations.

The **Master Cart** is different in that it does not rely on the cartridge for precision tape guidance. The tape path is controlled by the tape guides on the cart machine.

IN STOCK FOR IMMEDIATE DELIVERY

CALL FOR PAS PRICING ON FIDELIPAC CARTS

BROADCAST CARTRIDGES



FIDELIPAC

Fidelipac's **Dynamax Cobalt™** is a new generation of tape cartridge. The Dynamax Cobalt cartridge shell is constructed of high-grade engineering plastic for more strength, better heat stability and better dimensional accuracy. New pressure pad material provides cleaner running tape and reduced head wear. An improved reel and bearing system reduces flutter to the vanishing point. A newly modified internal tape path yields more accurate tape travel, less tape wear, lower scrape flutter and vastly enhanced phase uniformity.

Audiomax 4000 was developed specifically for high audio quality, features true bias and phase compatibility with type AA-4 cartridges. Loaded with type DYN-600X tape, it provides excellent high frequency response and headroom, with minimum abrasiveness and oxide shedding characteristics. The shell incorporates a neutral tape handling design with a debris trapping wiper pad, and is molded from the latest in rugged high grade engineering plastics. Each cartridge is supplied with a storage sleeve. **Audiomax 4000** is suggested for stereo use requiring elevated recording levels.



IMMEDIATE DELIVERY FROM PAS STOCK

CALL FOR PAS PRICING ON FIDELIPAC CARTS

ITC

The ITC Cart II broadcast cartridge represents a breakthrough in technology beyond anything previously experienced in the industry. The intent in design behind the cartridge is to control tape the way a reel/reel transport would. A revolutionary design eliminates pressure pads, utilizes a non-rotating hub, and includes a specially formulated, high-output, low-noise, lubricated tape for recording at high levels without performance loss. Tape and cartridge complement each other like never before in the ITC Cart II broadcast cartridge. It sounds crisp and clean, and eliminates the excessive modulation noise which results from the rubbing effects of pressure pads and the mechanical irregularities of rotating hubs. After incorporating the recommended set-up procedures on quality cartridge equipment, the ITC Cart II is capable of frequency response equaling professional reel-to-reel performance.



LARGE INVENTORY OF ITC CARTS AT ALL TIMES FOR IMMEDIATE DELIVERY

CALL FOR PAS PRICING ON ITC CARTS

RECONDITIONED CARTS

Pre-owned carts, chemically cleaned, pressure pads replaced and new tape loaded to your specifications. Backed by our NO HASSLE guarantee and guaranteed to save you \$\$\$\$ over new cart prices.

Length	ITC ITC Cart II **	FIDELIPAC			AUDIOPAK	
		300	MC I	MC II	A-2	AA3
10 Sec - 100 Sec	4.20	2.80	3.35	3.70	2.60	3.60
140 Sec - 4.5 Min	4.75	3.25	3.75	4.10	3.20	3.95
5.0 Min - 10.5 Min*	5.30	3.80	4.20	4.60	3.80	4.85

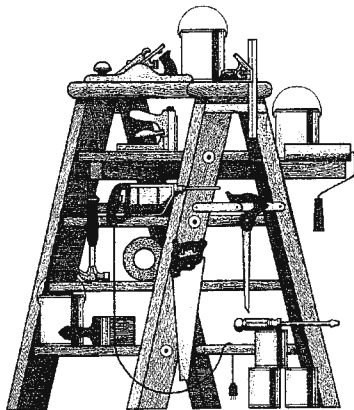
*ITC Cart II 7.5 Min Maximum Length ** Loaded with 219 Tape

Call for availability of AA-4

CARTRIDGE RELOADING

PAS BROADCAST CART REBUILDING

Send us your old, worn out carts and we'll make them perform like new, backed by our **NO HASSLE GUARANTEE**. All carts are chemically cleaned (no scarring), pressure pads replaced and new tape is loaded to your specified time by experienced loaders. Time is then stamped on side and each cart is polished to a "like new" condition. **NO HIDDEN EXTRAS OR ADD ONS!!**



LENGTH	Standard Tape	HO/LN Tape	ITC Cart II
10 Sec - 100 Sec	2.40	2.90	3.60
140 Sec - 4.5 Min	2.75	3.30	4.10
5.0 Min - 10.5 Min*	3.35	4.10	4.75

*ITC Cart II 7.5 Min. Maximum Length ** Loaded with 219 Tape

CARTRIDGE ACCESSORIES

CARTRIDGE PARTS

CARTRIDGE PARTS

Bring your old carts up to new with **PAS** cartridge parts. **PAS** carries the complete line of replacement cartridge parts for Audiopak A-2, AA-3 and AA-4, Fidelipac 300, Master Cart, 600 and 1200 carts, including pressure pads, teflon washers, springs, wire guides and screws.

CALL FOR PRICING

PAS CART LABELS

Removable cart labels from **PAS** in 6 colors for your convenience. Green, blue, red, black, yellow, and orange

Sheet (10 labels)

PAS Price20

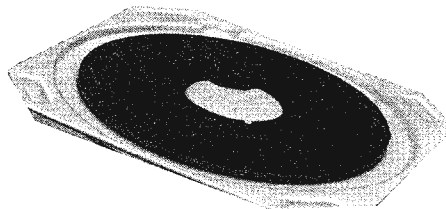


CARTRIDGE ACCESSORIES

CARTRIDGE TAPE (LUBRICATED)

For you do-it-yourselfers who like to reload your own carts, PAS carries Audiopak, ITC and Fidelipac lube tapes. All tapes are available bulk packed on 10" NAB hubs.

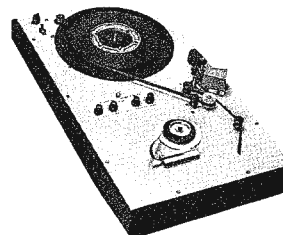
Call PAS for current pricing on your favorite lube tape.



CARTRIDGE TAPE WINDER

The X-100 Automatic Cartridge Loader exemplifies Tapecaster's commitment to durability and quality at an affordable price. This unit provides for the accurate measurement of tape length through precision calibrated minute and second face mounted controls. Ease of operation is provided by one lever which activates the reset, start and run function.

X-100 PAS Price \$ _____ List.....620.00



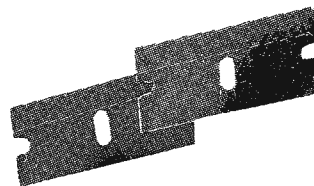
CARTRIDGE STORAGE RACKS

See Furnishings pages 60 and 61

SPLICING BLADES

Stainless steel oil free blades for precise editing and splicing of your valuable tapes.

PAS 51 100 count box PAS Price7.95



EDITING MARKERS/PENCILS

Tape editing is a breeze when you can see the mark. And you can keep your carts neat and clean with PAS editing peel off type china markers.

PAS 15White

PAS 16.....Yellow

Box of 12
Package of Two

PAS Price8.10
PAS Price1.56

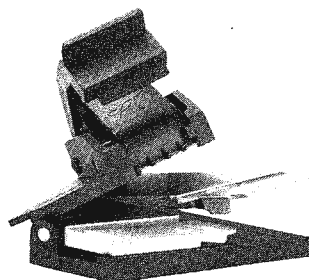
EDITING MARKERS

SPLICING BLOCKS & TABS

COLLINS

The CAT splicer uses pre-cut adhesive joining tabs mounted on a continuous strip within a cassette. One press of the dispensing arm transfers a tab from the cassette to the magnetic tape in a single, controlled movement. This takes less than a second and eliminates harmful exposure of the adhesive to the air. The tab is automatically centered and aligned, giving a more reliable splice. Each cassette holds 250 tabs and is replaceable in a matter of seconds.

CAT PAS Price \$ _____ List.....139.95
Replacement Tab Cassettes (250) List.....5.95



PAS CARRIES ALL YOUR CARTRIDGE ACCESSORIES
AND PRODUCTION ROOM NEEDS
CALL YOUR PAS REPRESENTATIVE TODAY!

CARTRIDGE ACCESSORIES

SPLICING TAPE

SPLICING BLOCKS & TABS

	Ctn Qty	Sgl. Reel	1-3 Ctn	4+ Ctn
620 SERIES – 1 Mil Polyester 7/32" (1/4) x 66'	10	4.30	3.87	3.66
67 SERIES – .9 Mil Blue Polyester 7/32" (1/4) x 100'	10	5.25	4.73	4.47
41A SERIES – Acetate 7/32" (1/4) x 66'	12	3.15	2.85	2.68

XEDIT

Xedit precision splicing blocks are individually machined to very precise standard from hard, high quality, premium aluminum. All of the blocks are meticulously hand finished to a very smooth, burr free surface finish.

Xedit Professional Splicing Blocks & Splicing Tabs

Block Model	Tape Size	Cut Configuration	List Price	Tab Model	Tape Size	Quantity	List Price
S-1	Cass.	90°/45°	40.00	CL-1	1/4"	200	12.50
P-2	1/4"	90°/45°	17.00	CL-1-1000	1/4"	1000	43.50
S-2	1/4"	MTK/45°	36.00				
S-3X	1/4"	60°X/45°	50.00				
S-3	1/4"	MTK/45°	40.00				

CALL FOR PAS PRICING ON XEDIT PRODUCTS
1-800-433-7668

CASSETTE RECORDERS

AKAI

The GX912 is a rack mount, double capstan master mix-down cassette recorder with 20 Hz-21k Hz frequency response \pm 3dB, 60 dB s/n, wow and flutter 0.025%, super GX heads, and Dolby B & C.



GX912 PAS Price \$ _____ List.....899.95

NAKAMICHI

The MR-1 brings NAKAMICHI recording technology to the professional market, a unique Asymmetrical Dual-Capstan Diffused-Resonance Transport so accurate that no pressure pad is required to maintain tape-to head contact, the NAKAMICHI Discrete 3-Head recording system to provide perfectly accurate azimuth alignment, extended bandwidth and exceptional dynamic range, and custom NAKAMICHI electronics which have established a world-wide reputation for ultra low-noise/high headroom performance. The MR-1 has self contained Dolby-B and -C noise reduction and provisions for use with any NR system. The external NR loop is accessed via phono jacks that are jumpered when an outboard processor isn't used.



MR-1 PAS Price \$ _____ List.....995.00

CASSETTE RECORDERS

NAKAMICHI

The NAKAMICHI MR-1 set a new performance standard for professional cassette decks. The MR-2 proves that it's possible to design a budget-priced professional deck with sound quality that stands above the crowd! If you operate a professional or semi-professional recording studio, real-time tape-duplications facility, or need an affordable top-quality professional deck for commercial-sound use, look no further! The MR-2 has been created for you. It has the professional features you need, the sound quality you demand, and it's surprisingly affordable. The secret of its remarkable performance/price ratio is a design that concentrates on the four essentials: transport, heads, electronics and quality control.

MR-2 PAS Price \$ _____ List.....695.00



TASCAM

Finally a cost effective stereo mixdown cassette deck with the high performance sound quality and durability TASCAM is known for. The TASCAM 102 has Dolby HX Pro for extended high frequency performance while keeping distortion to its lowest point. This performance improvement will be noticed while playing the tape back on any deck and the Dolby B & C noise reduction will make your demo tape compatible with any standard HiFi cassette deck. Rec/Mute auto spacer will automatically put a consistent 4 second space between the songs for a more polished demo tape and the tape run time counter will indicate exactly how long each song is in minutes and seconds.

102 PAS Price \$ _____ List.....299.00



The TASCAM 103 mastering cassette deck finally offers a cost effective three head stereo mixdown cassette deck with the high performance sound quality and durability TASCAM is known for. The TASCAM 103 has three heads for confidence monitoring of the master recording during mixdown, so that you know you "Got what you want" without the rewinding to check. Dolby HX Pro gives you extended high frequency performance while keeping distortion to its lowest point. Auto tape type selection automatically adjust the record electronics for any standard tape formulation allowing maximum performance.

103 PAS Price \$ _____ List.....449.00



The TASCAM 202WR double stereo cassette deck offers to the musician both a cost-effective method for just dubbing copies or the dual purpose of mixdown deck and dubbing deck for the budget conscious studio. Dolby HX Pro gives you extended high frequency performance while keeping distortion to its lowest point. The 202WR is capable of both normal and high speed dubbing.

202WR PAS Price \$ _____ List.....329.00



The 112B is a basic 2-head machine that fully maintains the professional quality performance, stability and reliability of the top-line 122mkII. Dolby HX Pro is included for significantly increased high-frequency MOL while Dolby B & C type noise reduction aid in making clean, noise free recordings.

Specifications:

- Wow & Flutter — 0.03% (NAB Weighted)
- Frequency Response — 25Hz - 17kHz $\pm 3\text{dB}$ @ -20dB (Normal)
- T.H.D. — 1% @ 0 dB, 400 Hz
- S/N Ratio — 60dB (NR Out, WTD) Reference 3% THD

112B List.....749.00

112R Bi-Directional Stereo List.....859.00

RC-71F Remote Control List100.00



CALL FOR PAS PRICING

CASSETTE RECORDERS

TASCAM

The 122 MKII is the leader in Tascam's line-up of professional 4-track 2-channel stereo hysteresis machines. Features of the 122 MKII are hysteresis tension servo control system, dolby HX pro, front access bias/level calibration controls, 2-mode counter and versatile locator functions, balanced and unbalanced input & outputs, 19" rack mountable, Cue & review functions, VU meters with peak LEDs, $\pm 12\%$ pitch control.

Specifications:

- Wow & Flutter — 0.04% (NAB weighted)
- Frequency Response — 25 Hz - 17kHz $\pm 3\text{dB}$ @ -20VU (normal)
- T.H.D. — 1% @ 0 VU, 400 Hz
- S/N Ratio — 59dB (NR Out, WTD) Reference 3% THD



122 MKII PAS Price \$ _____ List.....1099.00

RC-71F Remote Control PAS Price \$ _____ List.....100.00

TEAC

TEAC V285CHX has Dolby B&C, Dolby HX Pro Headroom Extension, direct function mechanism, bias fine tuning control, metal tape compatible. Three mode tape selector, LED peak level meter, one touch recording and 3 digit mechanical tape counter.



V285CHX PAS Price \$ _____ List.....149.00

The W450 is an auto reverse double cassette deck with Dolby HX Pro, Dolby B & C, normal and high speed dubbing, left and right microphone inputs and headphone jack.

W450 PAS Price \$ _____ List.....289.00

Main features of the TEAC R455CHX

- Bi-Directional Record/Playback
- One Program Skip Function
- Headphone Jack
- Dolby B & C Noise Reduction
- Auto Reverse/Repeat
- Rec Mute Function
- Timer Re/Play Function
- Dolby HX PRO Headroom Extension
- Accurate Rotating Head Reverse System
- Two Color Peak Program Level Meter
- Output Level Control for Line & Headphone Outputs



R455CHX PAS Price \$ _____ List.....219.00

A few of the features of the V970X are 3 motor IC logic transport control silent mechanism, closed loop dual capstan drive, double dbx and Dolby B, C, Dolby HX Pro, electronic tape index counter with TRT mode, manual tape calibration system with built-in oscillator.



V970X PAS Price \$ _____ List.....799.00

TECHNICS

The RS-TR555 is a dual well feather touch cassette deck. Both transports auto reverse and record and playback. Dolby B/C/HX PRO and dbx are a few of the many features, including the following:

- High speed editing
- Series play
- Cue & review
- Auto tape select
- Series record capable
- Synchro edit start
- Auto rec mute
- Headphone output



RS-TR555 PAS Price \$ _____ List.....399.00

CASSETTE RECORDERS

TECHNICS

The RS-TR313 is a dual well feather touch cassette deck with one transport auto reverse, one well record and play with Dolby B/C, and Dolby HX Pro. It also gives you LED record level meters, high speed editing, series play, synchro edit start, cue & review, auto rec mute, timer standby record/play, auto tape select and a headphone output.

RS-TR313 PAS Price \$ _____ List.....229.95

RS-TR212 (Same as RS-TR313 except has Dolby B & C only)
PAS Price \$ _____ List.....209.95

Features of the RS-BX606 are 2 motor direct drive feather touch transport, Dolby B/C/HX PRO noise reduction, class AA record/EQ amp. 16 segment multi functional FL meter including all the features you have come to expect from TECHNICS.

RS-BX606 PAS Price \$ _____ List.....299.95

Features of the RS-B965 are Dolby B/C & dbx, quartz locked, digital servo, direct drive 2 motor transport, closed loop, dual capstan design, 3 head construction, CD/DAT direct input, music select/memory stop/memory repeat and auto tape source monitor select.

RS-B965 PAS Price \$ _____ List.....725.00



YAMAHA

The YAMAHA C300 professional level 3 head cassette deck, with 12 layer laminated amorphous heads and a double gap ferrite erase head give you optimum performance. HX Pro dynamic basis servo monitors the signal level during recording and constantly adjusts the bias so that the deck is always recording with optimum bias. Double Dolby B/C and double dbx noise reduction systems permit decoded monitoring of the recording as it's being made to guarantee the best possible results. Bi-directional Intro scan feature automatically plays the first 14 seconds of each tape selection, making it easy to find specific section of tape. Professional style linear master fader enables smooth fade-in and fade-out during recording.

C300 PAS Price \$ _____ List.....1095.00



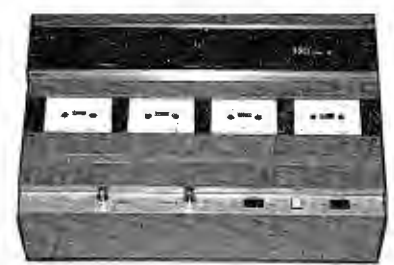
CASSETTE DUPLICATORS

RECORDEX

The 330WP Series II is designed for those who need a balance between high production and quality music copy. It is ideal for mass duplication of audio visual presentations and for copying slide sync of filmstrip sync programs. It can copy 3 C-60's in under 2 minutes and features Vikor long life heads, automatic rewind, individual channel volume controls and erase heads.

330WP Master PAS Price \$ _____ List.....2025.00

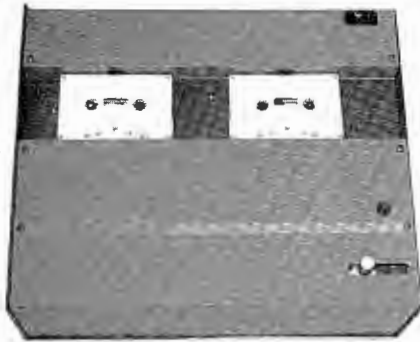
330WP Slave PAS Price \$ _____ List.....2025.00



CASSETTE DUPLICATORS

RECORDEX

The 345WP Series II is the fastest duplicator in the world. It is designed for mass duplication of the spoken word producing three copies at once every 75 seconds. This cassette lightning duplicator has LED readout and automatic rewind.



345WP Master PAS Price \$ _____ List2025.00

345WP Slave PAS Price \$ _____ List2025.00

Courier II is truly the best value in low cost cassette duplication available. The operation mechanism records either one or both sides of the tape, rewinds automatically and includes an erase head.

COURIER II PAS Price \$ _____ List599.00

TELEX

The model that started an industry is the **TELEX Copyette 1&1**. Over a decade after its introduction the 1&1 continues to be the most popular low cost, high speed cassette copier on the market today! Portability, simple operation and economy are its hallmarks. It copies both sides of a single cassette at 16X speed.



Stereo Copyette copies mono and stereo cassettes with ease. To capture the realism of stereo recordings or to appreciate the full impact of beautiful music, the Stereo Copyette leads the competition for economy and quality. Copies both sides of a single cassette at slightly less than 16X speed.

If you need a quick way to produce multiple copies of your next sales message, seminar, lecture or church service choose the **Copyette 1&3**. It copies both sides of three cassettes simultaneously at 16X speed..

The **CD2M** is a 1/2 track—2 channel (monaural) master station with one copy position. Full function control panel including record level slide controls with LED indicators. Ideal for the spoken word. It copies both sides of a cassette at 16X speed and can be expanded to a maximum of eleven copy position. The **CD4M** is a 1/4 track—4 channel version of the CD2M that runs at a full 16X speed.



The **CD2S** is a two position 1/2 track—2 channel (mono) slave unit that easily connects to the CD2M with plug-in ribbon cable. Includes independent track select switch and end-of-tape-sensing. The **CD4S** is a two position 1/4 track—4 channel version of the above model.

Copyette 1&1 List419.00

Stereo Copyette List735.00

Copyette 1&3 List1099.00

Copyette 1&3 Stereo List1800.00

CD2M List1070.00

CD2S List1000.00

CD4M List1425.00

CD4S List1270.00

CALL FOR PAS PRICING ON TELEX DUPLICATORS

PAS ORDER DESK 1-800-433-7668 • CONSULTATION 1-817-483-7474 • FAX 1-817-483-9952

CASSETTE DECKS MULTITRACK

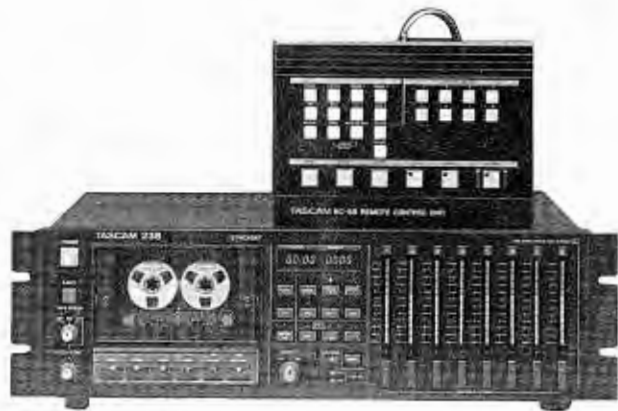
TASCAM

The 424 Portastudio can mix up to 8 MIDI sources or effect returns in addition to the tape tracks, thanks to two additional stereo channels and the Input Bypass feature. Four channel record and three speed capability add even more flexibility. The mixer controls are conveniently laid out in an easy-to-use, familiar way to traditional recording.

424 PAS Price \$ _____ List.....549.00

The 8-track dream is now within reach! TASCAM's 238 Syncaset 8-channel cassette recorder is your chance to own sophisticated 8-channel multitrack recording capability without the expense or space-consuming bulk of a full open-reel system. While offering the convenience and economy of the compact cassette format, the 238 delivers sound quality that is without a doubt on equal footing with that of the best 4-channel cassette machines—and superior to many conventional hi-fi cassette recorders. TASCAM's unique head design actually achieves crosstalk specification in this difficult format that are on a par with the high-performance TASCAM 246 and 234 4-track cassette machines.

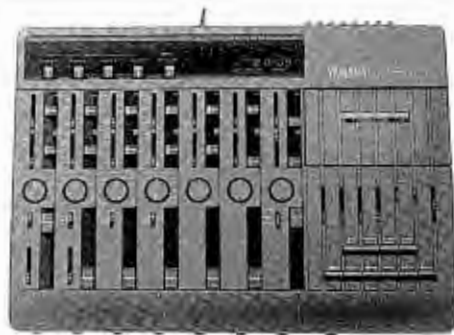
238 PAS Price \$ _____ List.....1799.00



YAMAHA

The MT3X multitrack cassette recorder is a sophisticated 4-track production station. YAMAHA has combined a high-performance 2-speed 4-track recorder with a very versatile 6-channel mixer. You can record up to 6 inputs at a time on any or all four tracks. Production capabilities are extended by using multitrack 'ping-pong' recording techniques to individually record up to ten independent parts—adding sound layer by layer until you've created exactly the texture your production demands. There is even a sophisticated auto punch-in/out feature that lets you re-record a section of a precious recorded track with automated convenience.

MT3X PAS Price \$ _____ List.....795.00



CASSETTES

AMPEX

672 Series — Professional Audio Cassette, Clear Norelco Box, Black Shell

	LENGTH	CTN	SGL	1-3		4+	
				CTN	CTN	CTN	CTN
672 C-30	30 Min	20	.87	.78	.74		
672 C-45	45 Min	20	.93	.84	.79		
672 C-60	60 Min	20	.95	.86	.81		
672 C-90	90 Min	20	1.20	1.08	1.02		

**PREMIUM PERFORMANCE AT A PALTRY PRICE.
AMPEX 672 SERIES GIVE YOU ALL THE
AUDIO YOU WOULD EXPECT FROM THE
WORLD LEADER IN AUDIO TAPE.**

MAXELL

COMMUNICATOR SERIES — Fully Packaged Cassettes

	LENGTH	CTN	SGL	1-3		4+	
				CTN	CTN	CTN	CTN
COM30	30 Min	10	.92	.83	.78		
COM45	45 Min	10	.99	.89	.84		
COM60	60 Min	10	1.05	.95	.89		
COM90	90 Min	10	1.42	1.28	1.21		
COM120	120 Min	10	2.04	1.84	1.73		

**MAXELL COMMUNICATOR SERIES FULLY
PACKAGED CASSETTES. GENERAL PURPOSE
CASSETTE PERFECT FOR CHURCH
DUPLICATION, BROADCAST SPEC SPOTS AND
NON CRITICAL MUSIC**

CASSETTES

MAXELL METAL CASSETTES
THE FINEST METAL CASSETTE ON THE MARKET.
IT DELIVERS CRISP HIGHS—SOLID LOWS AND
EXCITING MID RANGE.

	LENGTH	CTN QTY	SGL	MAXELL METAL CASSETTES	
				1-3 CTN	4+ CTN
MX-60	60 MIN	10	3.60	3.24	3.06
MX-90	90 MIN	10	4.17	3.75	3.54

**BAC SERIES — PERFECT FOR GENERAL
 PURPOSE USE, SPEC SPOTS, AIR CHECK AND
 MUSIC SWEEPS FOR PHONE RESEARCH.**
**ALSO THE STANDARD FOR CHURCH
 DUPLICATIONS**

PAS CASSETTES
**ALL PAS CASSETTE ARE SUPPLIED IN A PRECISION 5 SCREW SHELL
 WITH CORRUGATED SLIP SHEETS.**

BAC SERIES

	LENGTH	25-275	300-475	500+
BAC 5	5 MIN	.37	.34	.32
BAC 31	31 MIN	.50	.47	.44
BAC 62	62 MIN	.67	.63	.58
BAC 92	92 MIN	.87	.82	.76

**PC SERIES — GREAT MUSIC QUALITY
 TAPES. APPLICATIONS INCLUDE MUSIC
 SWEEPS FOR IN PERSON RESEARCH,
 RECORDING BACK UP PROGRAMMING AND
 GENERAL MUSIC RECORDING.**

PC SERIES—HIGH PERFORMANCE MUSIC TAPE

	LENGTH	25-275	300-475	500+
PC 10	10 MIN	.42	.39	.36
PC 31	31 MIN	.51	.48	.44
PC 62	62 MIN	.82	.77	.72
PC 92	92 MIN	.93	.88	.81

**PCM SERIES — HIGH QUALITY TAPE
 FOR DUPLICATION MASTERS
 AND MUSIC**

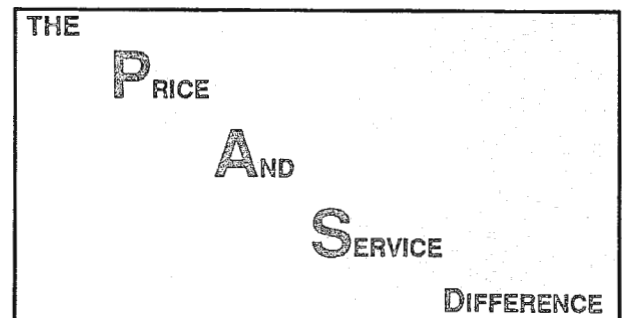
PCM SERIES—STUDIO MASTERING TAPE

	LENGTH	25-275	300-475	500+
PCM 30	30 MIN	.59	.55	.51
PCM 60	60 MIN	.85	.80	.74
PCM 90	90 MIN	1.20	1.13	1.05
PCM 120	120 MIN	1.70	1.60	1.49

**PRO SERIES — HIGH BIAS CHROME
 THE ULTIMATE MUSIC CASSETTE!**

PRO SERIES— HIGH BIAS CHROME

	LENGTH	25-275	300-475	500+
PRO 10	10 MIN	.67	.63	.68
PRO 30	30 MIN	.74	.70	.65
PRO 60	60 MIN	1.2	.96	.89
PRO 90	90 MIN	1.25	1.18	1.10



CASSETTE BOXES

PAS

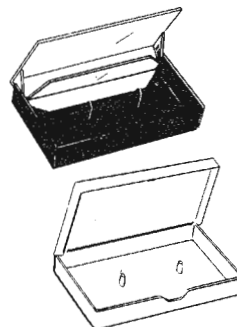
PAS Cassette Boxes protect your valuable recordings

#40 —Norelco, 2 piece hard plastic

1-499	500+	10K
.20	.15	.14

#25 — Poly Box perfect for mailing

1-499	500+	10K
.12	.09	.08

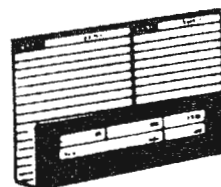


CASSETTE BOX CASE LINERS

PAS

#15204 400 ct Liners blank on one side for your custom printing. The other side lined for logging each track.

1-4 pk	5-9 pk	10+ pk
10.95 ea	9.86 ea	9.31 ea



CASSETTE LABELS

PAS

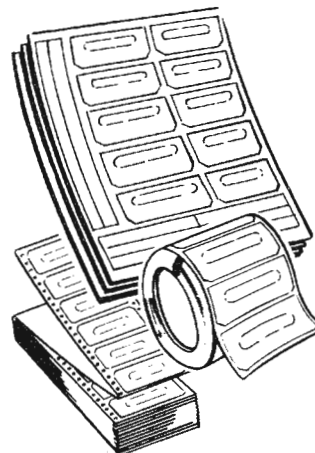
PAS carries a full line of blank cassette labels in sheets, rolls or pin feed format.

#10000 Sheets (10 Labels per sheet)	1-99	100-299	300+
	.50 ea	.17 ea	.15 ea

PAS90 Rolls (500 ct)	1 rl	2 rl	3+ rl
	6.95	5.56 e.	4.52 ea

#91 Pin Feed (1 Up, 1000 ct)	1 pk	2 pk	3+ pk
	14.95	13.29 ea	12.43 ea

PAS offers custom printed labels. Call for quotation

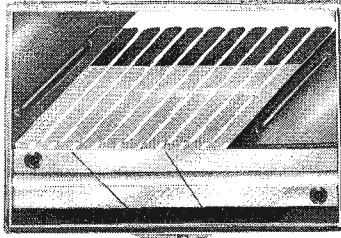


CASSETTE ALIGNMENT TAPES

PAS carries the complete line of cassette alignment tapes from Geneva, MRL and STL.

Call PAS for pricing on the alignment tapes for your cassette deck.

CASSETTE SPLICING AIDS



XEDIT

Professional cassette splices are easy with XEDIT precision splicing block and tabs.

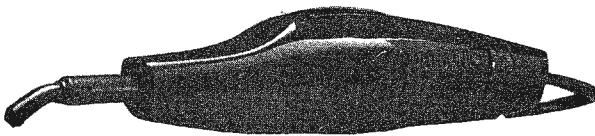
S-1	Cassette Block 90°/45° Cut	List.....40.00
CL-1	200 ct Mylar Tabs	List.....12.50
CL-1-1000	1000 ct Mylar Tabs	List.....43.50

CALL FOR DIFFERENT SIZES AND CUTS

CASSETTE ERASERS / DEMAGNETIZERS

GENEVA

This convenient, hand-held eraser is ideal for standard format cassette tapes. Powerful permanent strontium-ferrite magnets provide complete erasure and requires no power cord or battery.



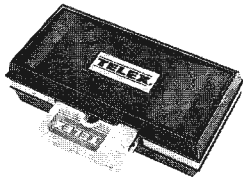
QM-230	PAS Price \$ _____	List.....39.95
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Regular use prevents residual magnetism from downgrading audio performance. Easy to follow instructions allow the user to quickly and safely demagnetize the entire tape path of cassette audio decks. 290 Gauss field intensity

VCR205	PAS Price \$ _____	List.....49.99
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TELEX

The cassette bulk eraser from TELEX requires no electrical power. Simply push cassette through slot to erase all previous recording.



90625-000	PAS Price \$ _____	List.....20.00
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DISCWASHER

DISCWASHER D'Mag utilizes a series of permanent high energy samarium cobalt magnets to not only demagnetize tape heads, but also all metal components throughout the entire tape path, ensuring the safe removal of all stray magnetism. The unique D'Mag design requires no batteries or power cords.



FG 1450	PAS Price \$ _____	List.....19.95
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DISHWASHER System II is an innovative approach to cassette deck cleaning. System II contains two proven DISCWASHER cleaning technologies in one easy to use cassette. The non-abrasive tape head cleaner removes oxides from tape heads while the capstan and pinch roller cleaner scrubs away stickiness with an advanceable fabric and scientifically safe cleaning fluid. 10cc System II Fluid refills are available.

FG1240	PAS Price \$ _____	List.....9.95
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TO ORDER CALL
800-433-7668

CD PLAYERS

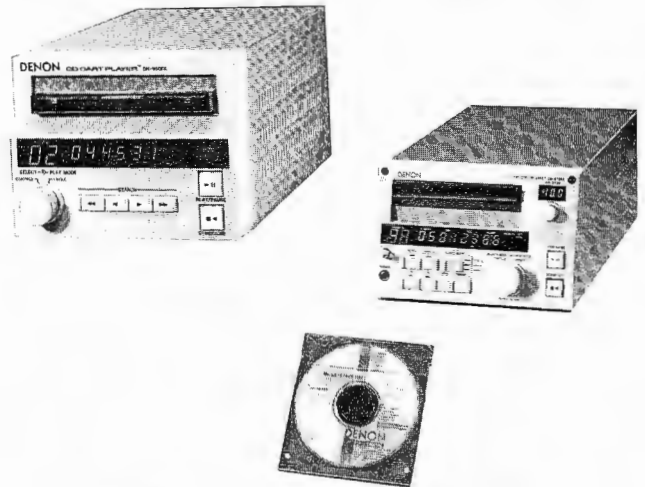
DENON

The DN-950FA CD Cart Player™ is specifically designed for the requirements of broadcasting and production. Using the same simple design and ease of operation which has made its predecessor so popular, the DN-950FA is an industrial strength CD player built to withstand the wear and tear resulting from daily use. It features quick cartridge loading and functions almost identical to other professional broadcast equipment. It offers the outstanding sound quality of the the compact disc.

DN-950FA PAS Price \$ _____ List.....1499.00

The DN-970FA CD Cart Player, is intended for use in audio, video and film production studios. It carries on the policy of being packed with features yet simple to operate. The DN-970FA features variable speed, quick search and cue time, digital audio outputs, external synchronization, and full remote control capability.

DN-970FA PAS Price \$ _____ List.....2599.00



NUMARK

The CD6020 Dual Transport CD System has been developed to meet the needs of the working DJ. Designed for live mixing with broadcast quality sound, the CD6020 uses 18-bit digital to analog converter technology and 8 times oversampling filters for the cleanest, hottest sound. The CD6020 is divided into two rack-mountable pieces: a dual CD transport/CPU and a remote control panel.

CD6020 PAS Price \$ _____ List.....1995.00



SONY

Model CDP-3000 SONY's professional CD player features the original T-type optical pick-up for perfect signal detection. The newly developed mechanism is controlled by LSI's and permits quick and precise access to any point at a remarkable precision of 1 frame or 13.3 milliseconds. The access time is within 2 seconds. The compact size and front loading design allow mounting of two units side-by-side in an optional 19" EIA standard rack.

CDS-3000 is a flexible CD control unit capable of controlling two CDP-3000 units either by program or by manual operation. Any point on the disc can be located precisely using either the 10 key pad or the bi-directional search dial. Up to 8 pieces of music can be programmed and played automatically in any preset order, with 1 frame accuracy for initiating playback of a selected piece of music. The easy to read digital time display indicates both the actual time lapse and the remaining time.

CDP-3000 PAS Price \$ _____ List.....2500.00

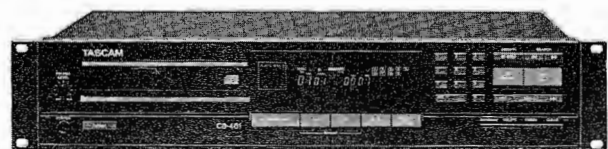
CDS-3000 PAS Price \$ _____ List.....1300.00



TASCAM

Although many high-performance CD players are available, very few economical models are specifically designed for the recording, production or broadcast studio environment. The TASCAM CD-401 effectively fills this vacuum with features and performance aimed directly at such application. The CD-401 is rack-mount ready and has XLR balanced outputs. It also allows fader-start operation, and has a remote control unit that can be used in either the wired or wireless mode. The Teac/TASCAM ZD circuit ensures that the CD-401 sound more than meets the most demanding standards and a range of control and programming features significantly enhance operation ease. The TASCAM CD-401 is one CD player that will adapt easily to a wide range of professional applications.

CD-401 PAS Price \$ _____ List.....799.00



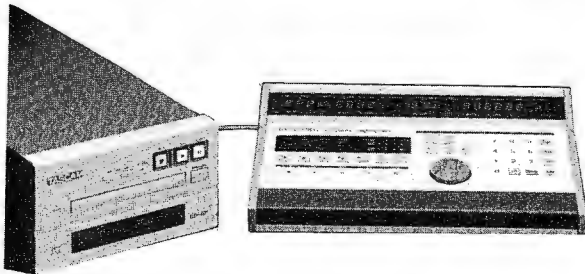
CD PLAYERS

TASCAM



The **TASCAM CD-301** CD Player is designed for professionals with limited budgets who in the past would have been forced to settle for consumer CD players. The CD-301 is ideal for use in studio, radio and disco environments. Economy-minded users can now enjoy pro-quality reliability and precise playback capability. The single play option, which automatically stops playback at the end of a song, allows DJs to concentrate on voice-overs or to make a clean start for the next track. The link function permits hookup of two CD-301s for automatic back and forth sequential play.

CD-301 PAS Price \$ _____ List.....**549.00**



The **CD-701** CD Player Unit and **RC-701** Control Unit form the nucleus of a powerful professional CD reproduction system aimed at broadcast and audio production applications. It features a full-size turntable and unique disc clamping system the virtually eliminate tracking errors, and ZD circuit for impeccable CD sound with an absolute minimum of digital noise. Up to four CD-701 units can be controlled by the sophisticated RC-701 Control Unit. The RC-701 offers a variety of programming and control functions, including dial-controlled search with frame accuracy, and Auto Cue function which automatically locates the start point, event play, link play, $\pm 6\%$ pitch control, and others. An optional RAM buffer is available which provides immediate startup for the ready mode. The complete lack of rise time achieved by the RAM buffer also makes continuous looping between any two points possible.

CD-701 PAS Price \$ _____ List.....**2199.00**

RC-701 PAS Price \$ _____ List.....**1249.00**

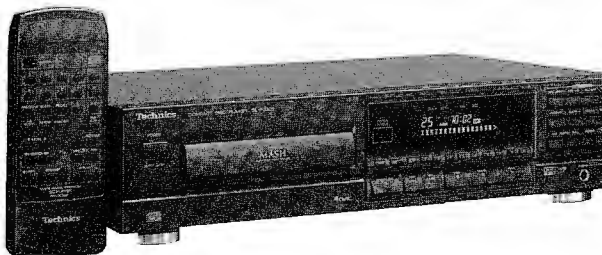
TECHNICS



SL-PG100 CD Player by **TECHNICS** features:

- MASH PWM Digital-to-Analog Converter System/4 DAC Design
- Digital Servo System
- Remote Control Compatible
- Digital Peak Search
- Auto Cue
- CD Editing Interface
- 20 Track Random Access Programming

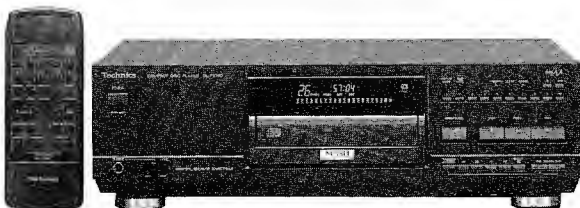
SL-PG100 PAS Price \$ _____ List.....**179.95**



SL-PG300 Features:

- 4 Times Oversampling Digital Filter
- Remote Control Transmitter with 10 key Direct Access
- Digital Peak Search
- Digital Servo System
- Headphone jack w/volume control
- MASH PWM Digital-to-Analog Converter System/4 DAC Design

SL-PG300 PAS Price \$ _____ List.....**199.95**



SL-PS700 Features:

- MASH PWM Digital-to-Analog Converter System/4 DAC Design
- High Speed Linear Motor Transport
- Anti-Resonance, Anti-Vibration, balanced chassis optical desk design
- Wireless Remote Control w/ Line Output Control
- Peak Level Search

SL-PS700 PAS Price \$ _____ List.....**329.95**

CD PLAYERS



TECHNICS

SL-PS900 Features

- MASH PWM Digital-to-Analog Converter System
- Improved CD Edit
- High Speed Linear Motor Transport
- 20 key direct access system
- 8 DAC design
- High Performance analog audio section with specially selected electronic components
- TNRC Base

SL-PS900 PAS Price \$ _____ List.....449.95



SL-P1200 Features:

- Designed for use in discos or production environments
- Compact Disc equivalent of SL-1200 MK2 Turntable
- Allows cueing of any compact disc to any track or any point within any track by time code entry or by sound.
- "Rocker" control allows momentary advance/retard of music CD equivalent to dragging your finger on the record
- Quartz locked $\pm 8\%$ pitch control
- Rear panel remote jack allows connection of mixer for wired remote control of play/pause/stop functions
- Auto cue automatically positions pick-up at the first note of music of the desired track
- Full function display
- High speed linear motor access system locates cue point in 0.6 seconds
- Skip keys
- Search with sound

SL-P1200 PAS Price \$ _____ List.....1575.00



SL-P1300 Features

- 8 Times oversampling Digital Filter
- Audible Pause • Balanced Outputs
- 4 Digital-to-analog converters
- $\pm 8\%$ Pitch Control
- 18 Bit high resolution signal processing
- Designed for use in Production Studios, Broadcast Studios or Discos
- Optical & Electrical Digital Outputs
- Rocker Switch for precise mixing control
- Auto-Cue automatically position laser pick-up at the first sound of a track
- Wired Remote Control terminal on back panel for connection of momentary or sustained contact remote triggers
- 10 Key Pad allows direct-access by time code or track

- A-B Repeat
- 2 Speed Search Dial
- Sub-Code Output

SL-P1300 PAS Price \$ _____ List.....1865.00



CD CHANGERS

TECHNICS

SL-PC705 Features

- MASH PWM Digital-to-Analog Converter System/4 DAC Design
- CD Editing even from multiple discs
- 5 disc top loading CD changer
- Wireless Remote Control w/ 10 key disc and track access
- High Speed Linear Motor Transport
- Full Random Play

SL-PC705 PAS Price \$ _____ List.....259.95

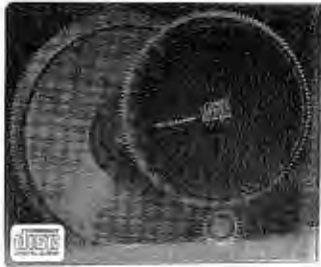


CD ACCESSORIES

DISC CLEANERS

DISCWASHER

Dust and dirt on a compact disc can distort or block light transmission to a compact disc player's optical system, causing audio drop-outs or skips on playback. The Discwasher CD Cleaner utilizes a computer-aided design to deliver a true "radial" cleaning to compact disc surfaces. The cleaning fluid is formulated to lift and suspend contaminant as the non-abrasive cleaning pad easily and safely removes the debris from the disc surface.



- | | | | |
|---------|--|-----------|-------|
| FG-1102 | CD Cleaner System | List..... | 19.95 |
| FG-1109 | 3 Replacement Pads & 1oz. Refill Fluid | List..... | 5.95 |

CALL FOR PAS PRICING

GENEVA

DISCWIPEs — Easy to use tissues safely remove dust and fingerprints with absolutely no danger of damage to valuable compact discs. Handy case contains 70 disposable wipes.



- | | | | |
|--------|--------------------|-----------|------|
| PF-425 | PAS Price \$ _____ | List..... | 7.99 |
|--------|--------------------|-----------|------|

AUTO-STOP CD CLEANER — Designed to keep CD's performing at their optimal level, this wet type CD cleaner features an automatic 20 second cleaning cycle

- | | | | |
|--------|--------------------|-----------|-------|
| PF-412 | PAS Price \$ _____ | List..... | 39.95 |
|--------|--------------------|-----------|-------|

Replacement Cleaning Fluid

- | | | | |
|--------|--------------------|-----------|------|
| PF-416 | PAS Price \$ _____ | List..... | 4.99 |
|--------|--------------------|-----------|------|

Five replacement chamois pads

- | | | | |
|--------|--------------------|-----------|-------|
| PF-418 | PAS Price \$ _____ | List..... | 10.32 |
|--------|--------------------|-----------|-------|

AUDIOSOURCE

Unless you keep your CD player sealed in a vacuum jar, its lens will attract dust, dirt, smoke and other air-borne contaminant like a magnet. Although the laser beam is powerful, it can't properly "read" all of the music and operating instructions through this rubbish. The solution to all this sonic mess is simple. Just insert the LLC-1 as you would any other CD and in about ten seconds or less your lens will be spotless and your CD player will be ready to perform perfectly. Just remember to use the Laser Lens Cleaner after every ten hours of play, for optimum performance.



- | | | | |
|-------|--------------------|-----------|-------|
| LLC 1 | PAS Price \$ _____ | List..... | 29.95 |
|-------|--------------------|-----------|-------|

TEST DISC

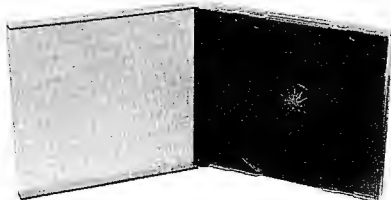
The DENON Audio Technical CD test disc is the highest quality test system available for compact disc players. Test signals for measuring Signal to Noise Ratios, Total Harmonic Distortion, Frequency Response, etc. are included, along with various tracks to allow for all other necessary tests and calibration functions. This is a must for any facility using CD's !!



- | | | | |
|-----------|--------------------|-----------|-------|
| Test Disc | PAS Price \$ _____ | List..... | 35.00 |
|-----------|--------------------|-----------|-------|

JEWEL CASES

PAS Jewel Cases protect your valuable CDs that have broken, cracked or missing cases. PAS jewel cases are exact replacements for the cases supplied by the music companies. Standard size fits all CD storage racks.



- | | | | |
|------------|-------|---------|------|
| Jewel Case | 1-199 | 200-499 | 500+ |
| | .75 | .65 | .57 |

CD ACCESSORIES

ISOLATION BASE

The Dimension IV CD Isolation Base is designed to lessen the effects of mechanically transferred vibration. The base is made with high density wood and includes gas pad feet. With your CD player on the base you will notice a difference.

Isolation Base PAS Price \$ _____ List.....75.00

**IN STOCK FOR
IMMEDIATE
DELIVERY**

INTERFACES

See Interface Amps Pages 4-7

STORAGE RACKS

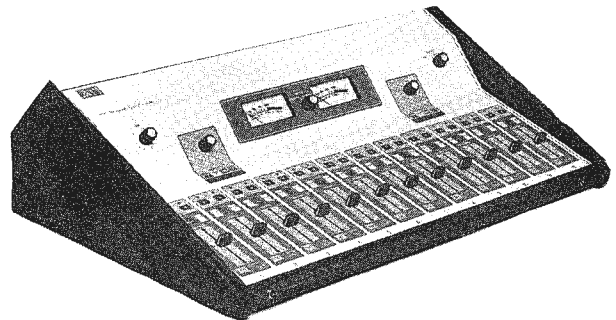
See Furnishings Page 62-63

CONSOLES BROADCAST

ATI

The Vanguard Series of Broadcast Consoles from ATI give you performance, value and reliability through innovative technology. The end result of a rigorous re-evaluation of traditional on-air console design, at a low initial cost and minimum maintenance. DC operated VCAs used on all level controls totally eliminate fader noise and tracking errors and reduce the need for costly premium audio faders. Effective RF protection, punchblock type connections and jumper plug gain matching of input and output levels makes for quick, easy and foolproof installation. Modular, plug-in circuit cards allow fast board substitution troubleshooting by non-technical personnel.

BC8DSL 8 Linear Faders, 12 Stereo Inputs List.....3395.00
 BC8DSR 8 Rotary Faders, 12 Stereo Inputs List.....3395.00
 BC12DSL 12 Linear Faders, 24 Stereo Inputs List.....4995.00



CALL FOR PAS PRICING ON ATI CONSOLES

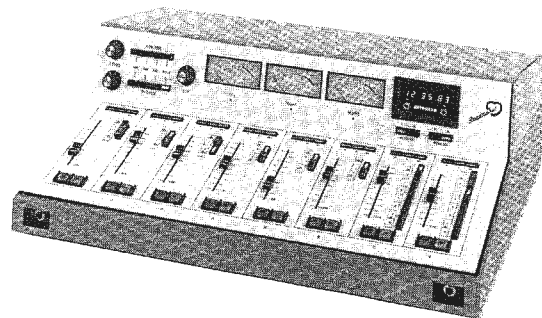
AUTOGRAM

Pacemaker Series consoles are perfect for the budget conscious broadcaster who wants rock solid versatility.

Features:

- Machine control for all inputs
- VCA level control
- No audio transformers
- Engraved front panel
- Up to 8 patchable mic preamplifiers
- P & G linear conductive plastic pots
- 648 — 6 pots with 8 inputs each, designed for Network or News Applications
- 828 — 8 pots - 6 dual and 2 with 8 inputs each
- 1032 — 10 pots - 8 dual and 2 with 8 inputs each
- Legend strip for each input
- Electronic switching
- Shadow selector switches
- Plugable miniature terminal strips
- Easy input level selection
- Optional Autoclock or Autocount

648 PAS Price \$ _____ List6495.00
 828 PAS Price \$ _____ List5995.00
 1032 PAS Price \$ _____ List7200.00



CONSOLES BROADCAST

AUTOGRAM

AC-6A and AC-8A Mono/Stereo Audio Console from Autogram

Specifications:

Noise: Program/audition - 120dBm
Monitor - 110dBm

Outputs:	AC-6A	AC-8A
	1 Stereo Program	1 Stereo Program
	1 Stereo Audition	1 Stereo Audition
	2 Monitor amplifiers	2 Monitor amplifiers
	2 Headphone amps	2 Headphone amps
	1 Cue Amplifier	1 Cue Amplifier
		1 Monophonic Program

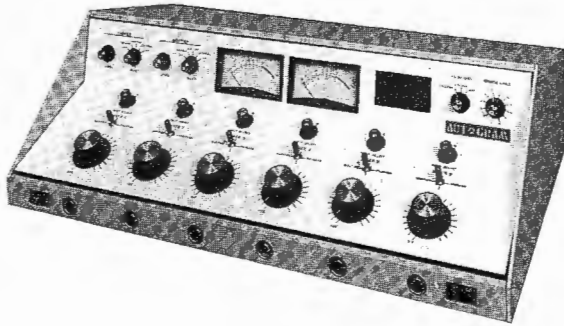
Levels: Program/audition or mono: +8dBm nominal — +24 dBm maximum

Monitor — 15 watts RMS into 8Ω load

Cue and headset — 1 watt into 8Ω load

Frequency Response: Program/audition ±1 dB 30 to 15K Hz
Monitor ±1.5dB 30 to 15K Hz

Distortion: Program/audition less than 0.5% THB
Monitors less than 1.5% THD



AC-6A 6 Rotary Pots
PAS Price \$ _____ List5495.00

AC-8A 8 Rotary Pots
PAS Price \$ _____ List6830.00

IC-10A Mono/Stereo Audio Console

Specifications:

Noise — Program/audition -120dBm; Monitor, -110dBm

Outputs: (depends on modules used)

1 Stereo program;	1 Stereo audition
1 Monophonic program;	2 Monitor amplifiers
2 Headphone amplifiers;	1 Cue amplifier

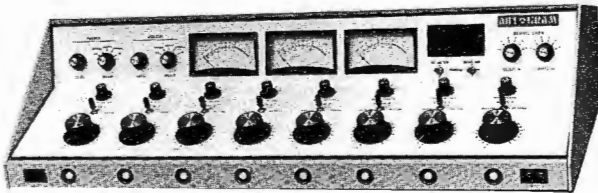
Levels: Program/audition or mono, +8dBm nominal; +24dBm maximum

Monitor, 15 watts RMS into 8Ω load

Cue & Headset, 1 watt into 8Ω load

Frequency Response: Program/audition, ±1dB 30 to 15kHz
Monitor, ±1.5dB 30 to 15kHz

Distortion: Program/audition, less than 0.5% THB
Monitors, less than 1.5% THD



IC-10A 10 Rotary Pots
PAS Price \$ _____ List8986.00

The Autocount by Autogram is a count-up Timer and stop watch, panel mount or stand alone models available.

200-C or 200-D (stand alone)
PAS Price \$ _____ List189.00

The Autoclock by Autogram is a clock with time, date & temperature, high and low of day and time each occurred. Console or stand alone models

100C or 100D (stand alone)
PAS Price \$ _____ List369.00

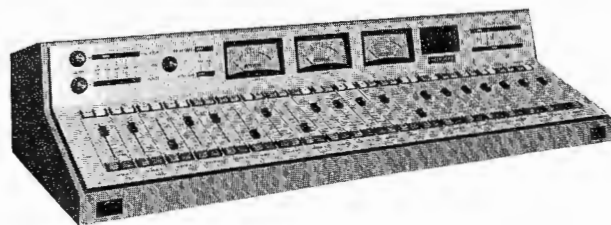
CONSOLES BROADCAST



AUTOGRAM

R/TV-20 Stereo Audio Console by **Autogram** features:

- 18 Dedicated pots
- VCA level control
- No audio transformers
- P&G linear conductive plastic pots
- Each channel remotely controllable
- Easy input level selection
- Optional Autoclock or Autocount
- Optional interface card for logging to printer plus interfacing to Live Assist or Computer
- 2 Pots with 8 inputs each
- Electronic switching
- Shadow selector switches
- Engraved front panel
- Plugable miniature terminal strips
- Up to 8 patchable mike preamplifiers



Specifications:

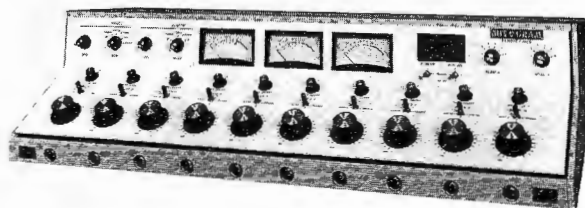
- S/N Ratio — Pgm/Monitor, better than -90dB @ +18dBm out
— Headphone/Cue better than -80dB @ 2 watts
- Frequency Response — Pgm/Monitor, ± 0.1 dB 20-20kHz
— Headphone/Cue, ± 0.5 db 20-20kHz
- Distortion — Pgm/Monitor, less than .05% THD and IMD
— Headphone/Cue, less than .05% THD and IMD

R/TV-12 12 Slide pots

PAS Price \$ _____ List10,775.00

R/TV-20 20 Slide pots

PAS Price \$ _____ List12,995.00



LC-10A Mono/Stereo Audio Console by **Autogram**

Specifications: Same as IC-10

LC-10A 10 Slide pots, P & G

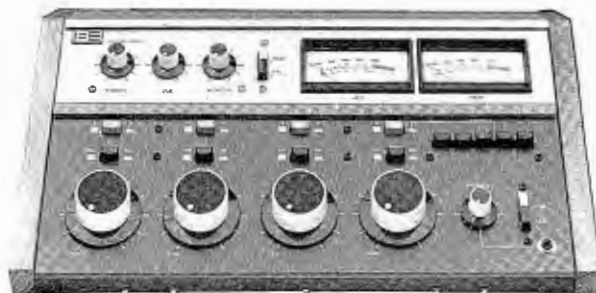
PAS Price \$ _____ List9404.00

BROADCAST ELECTRONICS

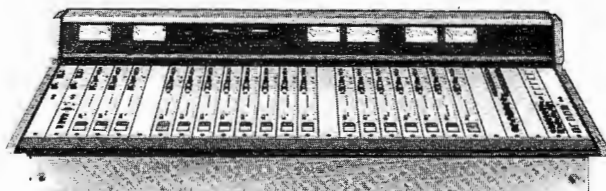
The 4M50 is a compact four channel console ideally suited for production or on-air use. The mixers each accept 2 switch selectable inputs. In addition each preamplifier can be wired for microphone or line level input. Speaker and headphone amplifiers are included to monitor console output, cue bus audio, or external source audio. The 4S50A is a four mixer, twelve input console featuring quality stereo performance at a price the won't dent your budget. All faders have individual detent cueing. All preamplifiers are level selectable. The 4S50 also features individual monitor, headphone and cue amplifiers.

4M50A PAS Price \$ _____ List1350.00

4S50A PAS Price \$ _____ List2250.00



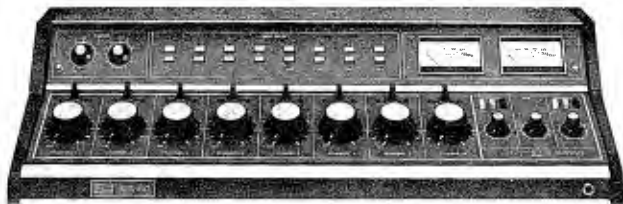
The Mix Trak 90 from **BROADCAST ELECTRONICS** was designed for radio by people who know radio. This modular console provides the versatility and flexibility to grow with a station's operations. The MT-90, available in a 12, 18 or 21 channel mainframe, is designed for smooth and efficient use. With over 17 input and Auxiliary modules to choose from, you can custom build the console with the exact type and number of modules required to meet your specific needs.



CALL FOR PRICING AND CONFIGURATION

CONSOLES BROADCAST

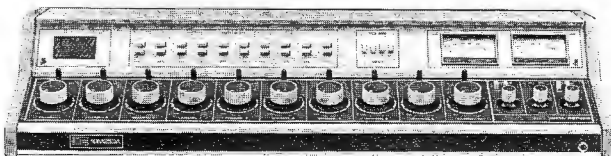
BROADCAST ELECTRONICS



BE's budget console has performance specs beyond other consoles costing many times more. Identical plug-in preamplifier modules feature gold-to-gold contacts. Electronic gated FET bus selection is silent and fast. Pre-mixer cueing is easily accomplished by setting the attenuator controls to their fully detented, counterclockwise positions. Separate headphone and monitor amplifiers are also included. Detent cueing is employed on each control when set to the full counterclockwise position. The front panel graphics are protected by a laminated polycarbonate overlay.

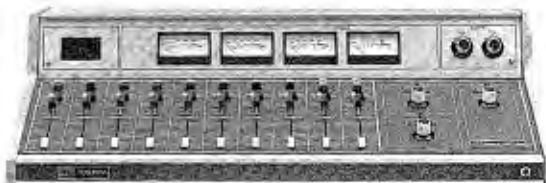
5M150A	PAS Price \$ _____	List2650.00
5S150A	PAS Price \$ _____	List3150.00
8M150A	PAS Price \$ _____	List3150.00
8S150A	PAS Price\$ _____	List3850.00

Complete flexibility in mixing channel function is a unique feature of the BE 250A Series, five, eight and ten mixer dual channel monaural consoles. All plug-in input preamplifier modules are identical. They may be preset to accept either balanced, high level sources or balanced, low-level microphones. Mixing channel assignments may be geared precisely to individual programming requirements with pushbutton preselection of two inputs per mixer. A 600Ω balanced audition channel is equal in performance to the program channel. All active circuitry is mounted on plug-in modules with gold plated contact fingers. Each of the plug-in preamplifiers permits selection of either a microphone or high level input for each mixing channel. Each model has four extra unwired switches to aid the broadcaster with any future expansion plans.



5M250A	PAS Price \$ _____	List3050.00
5S250A	PAS Price \$ _____	List3950.00
8M250A	PAS Price \$ _____	List3950.00
8S250A	PAS Price \$ _____	List5050.00
10M250A	PAS Price \$ _____	List5050.00
10S250A	PAS Price \$ _____	List6150.00

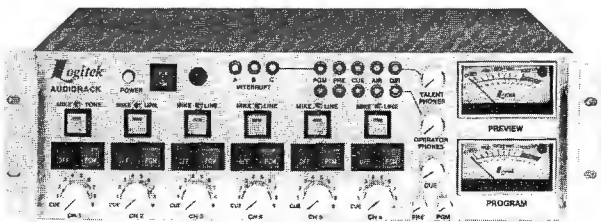
BE now offers affordable ten channel consoles utilizing P & G vertical faders and convenient multiple metering. If budget considerations have kept you away from vertical attenuator designs, you should consider the 350 Series. The 350A consoles provide a handy pre-fader capability that any operator is sure to appreciate. There is a mode select switch immediately above each fader which determines CUE, PGM-AUD or OFF assignments. The CUE mode operates independently of the fader position and allows easy input monitoring without disturbing the preset fader level.



10M350A	PAS Price \$ _____	List5350.00
10S350A	PAS Price \$ _____	List6350.00

LOGITEK

If you're tired of fixing your newsroom console, or if you're building a truck or remote package, you could buy a console, and intercom, distribution amps and headphone control boxes and put them all together. Or you can do it all with the LOGITEK Audiorack. The Audiorack has conductive plastic faders and all-effect switches for reliability, mic/line selectors for versatility, and a built-in tone oscillator for mixing accuracy. It includes complete capability for remote-control, machine start and audio-follow. The Audiorack has the LOGITEK exclusive preview-program swap pushbutton that lets you switch from mics to spots and back using a single control. An attractive sloped cabinet is also available for use in table-top applications.



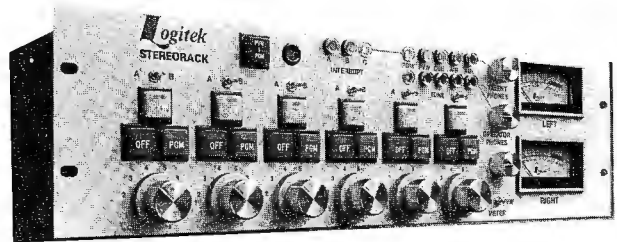
AUDIORACK	PAS Price \$ _____	List3600.00
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CONSOLES BROADCAST



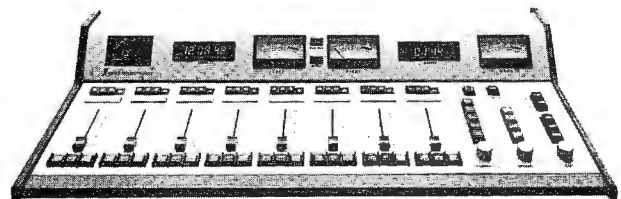
LOGITEK

The Stereorack console is a complete stereo studio console in a 19" rack-mountable package. It has six balanced stereo input channels, selectable from 11 stereo sources or a built-in tone generator. Any of the input sources can be pre-routed through one of seven mic preamps for maximum flexibility. The reliable, conductive-plastic pots are used to control VCA gain circuits and socket hall-effect pushbuttons control bus switching. Separate headphone feeds are included for the operator and for three talent, crew or guest positions, and the operator and director can talk to the crew through a built-in talkback system using a remote mic or the talkback mic on the front panel. The Stereorack can start machines remotely and can itself be controlled externally for audio-follow applications.



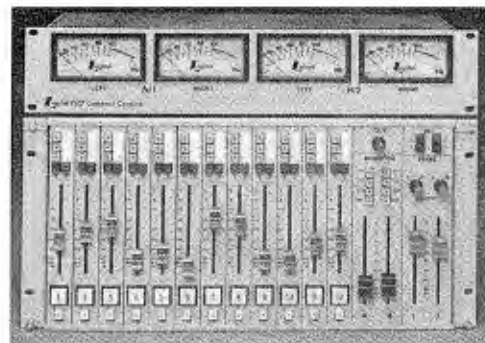
STEREORACK PAS Price \$ _____ List.....4950.00

The LOGITEK Perfectionist, "Workhorse" 8 or 12 mixer consoles give outstanding audio performance. Broadcasters looking for a solid, workhorse console used to face a frustrating dilemma. Buy a medium priced board and settle for outdated electronics or spend big bucks and never justify it on the bottom line. The LOGITEK Perfectionist ends the dilemma. It is built like a tank, with all steel case, rugged P&G rotary or slide faders and solid-state hall-effect switches. The four stereo inputs on each mixer are labeled with patch-panel style strips for uncluttered, unambiguous designation. All inputs and outputs are pre-wired via a cable snake to standard telephone punch blocks, which can be mounted up to six feet from the console. The Perfectionist is backed by LOGITEK's exclusive 5 Year Limited Warranty.



12SL/12RY 12 Ch Slide or Rotary Faders List10250.00
8SL/8RY 8 Ch Slide or Rotary Faders List7875.00

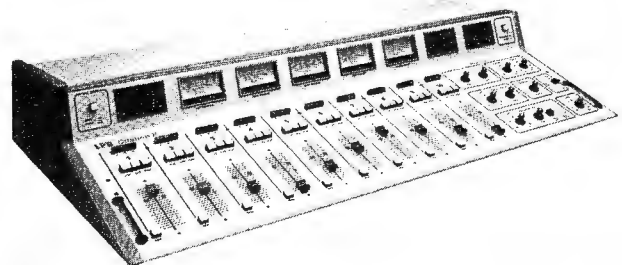
Without shrinking either performance or the features the LOGITEK TR2 is a full sized 12 mixer, 36 input, 5 bus stereo console that fits in a standard 19" rack. And to help with vertical space, the TR2 mixer frame is 5 rack units tall while the detachable meter bridge is only 2 rack units tall. If that's too much console, versions with fewer mixers or mono busses are available.



TR2-8 PAS Price \$ _____ List6800.00
TR2-10 PAS Price \$ _____ List7850.00
TR2-12 PAS Price \$ _____ List8875.00

LPB

For today's fast-paced air shifts LPB placed all and only essential controls directly in front of the operator. Lesser-used controls are logically grouped together on the right. For flexibility, the ten mixer Citation II features three inputs per mixer with lock-out switching, two stereo output busses, mix-minus capability, mono mixdown with independent VU, two user configurable four position auxiliary selectors and programmable monitor and cue muting for the first five mixers. A digital clock and separate event/cumulative timer are standard, and every mixer has a remote start button which follows the input selected. For durability Citation II's low profile front panel is protected by a tough Lexan® overlay.



CITATION II PAS Price \$ _____ List.....6995.00

CALL FOR PAS PRICING ON SIGNATURE III CONSOLES

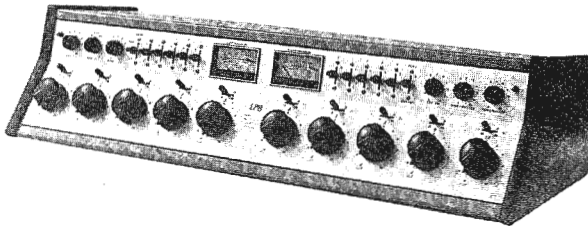
CONSOLES BROADCAST

LPB

Signature III consoles from LPB are designed and manufactured to a high level of operational capability and electronic/mechanical reliability for the on-air and production requirements of the professional broadcaster.

Features:

- * Modular Electronics — all active signal processing circuitry is "plug in" and located on 2 "mother board" main frame assemblies.
- * Dual Line Level Outputs — Balanced line level and metered
- * Output Director Switch — 3 position output director switch
- * Internal Cue and Monitoring System — Separate 1 watt power amps are located within the console to provide a high quality audio source for the internal 5" cue speaker and 2 headphone monitor outputs.
- * Muting and Tally Relays — Rugged telephone-type relays are utilized and are socket mounted for ease of maintenance.



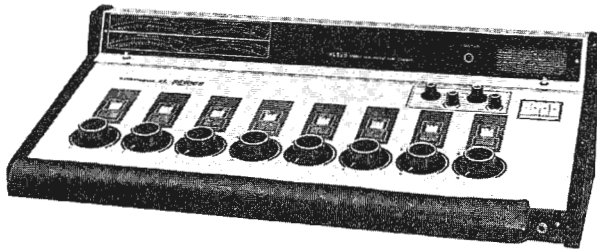
S-10	6 Ch Dual Stereo	List.....4195.00
S-11	6 Ch Dual Mono	List.....3395.00
S-13	8 Ch Dual Stereo	List.....4995.00
S-15	8 Ch Dual Mono	List.....4195.00
S-20	10 Ch Dual Stereo	List.....5895.00
S-21	10 Ch Dual Mono	List.....4995.00
S-24	12 Ch Dual Stereo	List.....6895.00

RAMKO

The xL Series from RAMKO is available in four, six, eight and twelve mixer, single and dual output versions.

Features:

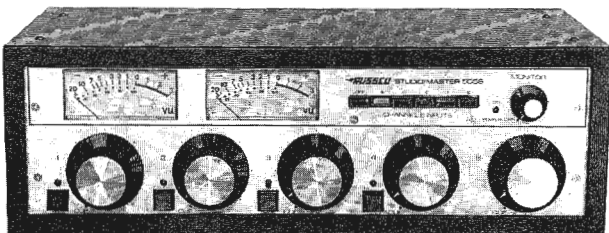
- Mono mix output (balanced) for each stereo output
- 15 inputs on 4 Ch, 19 inputs on 6 Ch, 23 inputs on 8 Ch and 31 inputs on 12 Ch
- One programmable mic/line input and one high level on each mixer.
- Programmable muting for each mixer
- Built-in 2 watt cue amp and speaker
- On air lights relay
- Plug in modules
- All inputs and outputs balanced bridging
- Optional start/stop controls.



xL41S	4 Mixer Single Ch Stereo	List2095.00
xL42S	4 Mixer Dual Ch Stereo	List2410.00
xL61S	6 Mixer Single Ch Stereo	List2515.00
xL62S	6 Mixer Dual Ch Stereo	List2830.00
xL81S	6 Mixer Single Ch Stereo	List3040.00
xL82S	8 Mixer Dual Ch Stereo	List3355.00
xL121S	12 Mixer Single Ch Stereo	List4043.00
xL122S	12 Mixer Dual Ch Stereo	List4358.00

RUSSCO

The RUSSCO 505 console packs a terrific value into a compact size at a bargain price. Designed for broadcast studio use, this five channel mixing console is as modern as tomorrow, with features and fully integrated circuitry for dependability. Engineered for ease of operation and simple servicing they are as good looking as they are good working. The mono model includes a monitor amp.



505 (Mono)	PAS Price \$ _____	List1599.00
505 (Stereo)	PAS Price \$ _____	List2299.00

CONSOLES BROADCAST

SOUNDCRAFT

The SAC 200 is the first broadcast console specifically tailored to the budgets and technical needs of smaller, high quality stations. It comes from the same design team that created the successful SAC 2000. **SOUNDCRAFT** has provided a Telco system which generates mix-minus feeds within each module, allowing the broadcaster to talk to as many individual telephone lines as desired. Master stereo and monitor modules are fitted as standard with sub-groups being optional. There are meter options, too, with a choice of PPM, VU and plasma displays, in the console's integral overbridge. An uncluttered ergonomic layout, aided by generous module widths, is a characteristic of the SAC 200 that many users will find equally important



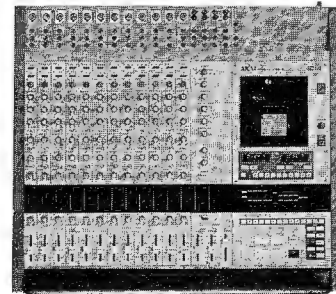
16 Input Frame	List.....5580.00
24 Input Frame	List.....6225.00
Telco Input Module	List.....595.00
Stereo Group Module	List.....360.00
Mono & CRM Module	List.....550.00
Main & Studio Module	List.....550.00

CALL PAS FOR PRICING & CONFIGURATION
OF THE SAC 200 CONSOLE

CONSOLES PRODUCTION

AKAI

The MG1214 Recorder/Mixer features 12 channel mixer/14 track recorder, 12 audio tracks, 1 internal control track, 1 sync track for recording sync or SMPTE Time Code signal for synchronizing with other MTR's, video recorders, or sequencers, full SMPTE synchronizing capability with popular synchronizers; ALPS Master Series Faders, —126 dB frequency response; dbx Type 1, 14 pin SMPTE synchronizer jack, autolocation, auto punch in/out, auto playback mute, exclusive Lambda transport system, Super Glass Ferrite Crystal head, 12 segment meters.



MG1214	PAS Price \$ _____	List.....8999.95
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ALESIS

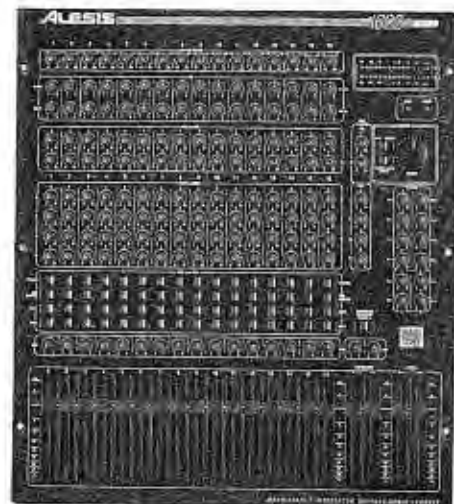
The 1622 Mixer employs an integrated structural design that replaces traditional mixer technology with surface mount technology. This design, mastered by the **ALESIS** design team on a scale never before attempted by any other manufacturer, totally eliminates the need for conventional pots and faders through a revolutionary manufacturing process that layers precision deposits of carbon, copper and gold in a monolithic composition of glass epoxy.

APPLICATIONS:

- 4 and 8 track recording
- PA and sound reinforcement
- Monitor mixer

FEATURES:

- 16 input channels w/ 100mm long throw faders
- Inserts on all inputs and outputs
- 6 auxiliary sends, 2 pre-fader and 4 post fader
- 8 auxiliary returns configurable as 4 stereo pairs
- 2 submasters, each with separate outputs
- Direct outputs on channels 1-8
- Main output can be configured for +/-10dBv operation



1622	PAS Price \$ _____	List.....899.00
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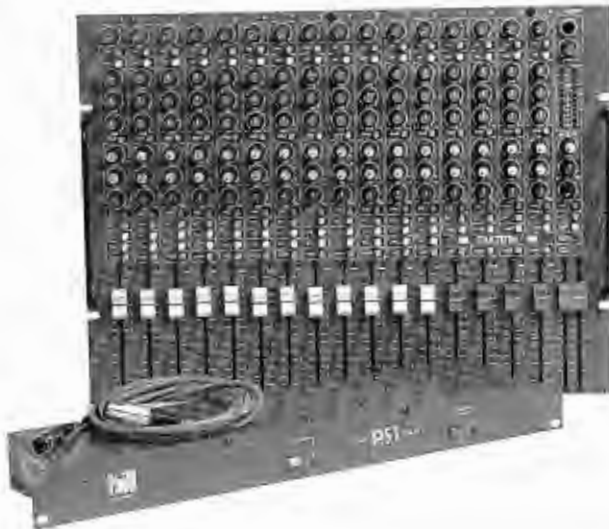
CONSOLES PRODUCTION



ELECTRO-VOICE

Available in 8, 12, 16 and 24 channel configurations, the EV BK31 series stereo mixing consoles bring professional quality, features and performance to a price level preciously limited to entry-level equipment. Professional sound engineers consider features like subgroup capability, individual channel insert, multiple effects send, phantom power and pre-fader cue necessities for mixing live sound. Now the BK32 series gives you the professional features you need, while leaving room in your budget for the latest synthesizer or digital signal processor. The features most demanded by professionals and famous EV reliability make the BK32 series the new leader in live mixing console value.

BK832	PAS Price \$ _____	List.....1200.00
BK1232	PAS Price \$ _____	List.....1450.00
BK1632	PAS Price \$ _____	List.....1750.00
BK2432	PAS Price \$ _____	List.....2400.00



HILL AUDIO

The Multimix from Hill Audio is a 16 input, semi-modular, 19" rack mount console, with features such as:

- Unique design that enables designated inputs to be used
 - as subgroups
- Rack mounting in only 8 rack spaces
- RIAA equalized inputs to allow turntables to be used without a pre-amp
- 3 band eq • 2 aux. sends • 16 input channels • 4 groups
- 2 masters • Mono output • 100mm faders • peak LED's
- 12 segment LED displays

Multimix	PAS Price \$ _____	List.....2499.00
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PAS carries the complete line of Hill Audio consoles



RAMSA

The WR-133 is a rugged, lightweight 8-channel mixer with sophisticated functions that make it ideal for a wide range of applications. Although the WR-133 is compact, it has features and convenience you would normally only expect to find on much larger mixers. All channels are equipped with balanced XLR inputs, and channels 1 to 4 also have phono inputs to allow two turntables to be connected. The six position input level adjuster accommodates input range from -80 dB to + 20 dB. Powerful 2 band equalization allows precise control of sound, and the monitor control permits a separate monitor signal to be derived pre-channel fader.

WR-133	PAS Price \$ _____	List1290.00
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The WR-8616, a modular broadcast/production console offers a choice of two input modules, a mono mic/line module and a stereo line module. Depending on which module is chosen the WR-8616 can accommodate up to 16 MIC In signals, or 32 LINE IN signals or a combination thereof. Two group output modules are offered: a basic group output module comprised of a fader, LR send and pan, solo and group on switches and a return control; and a tape monitor group module with all the features of the basic group module except for the channel on/off switch.

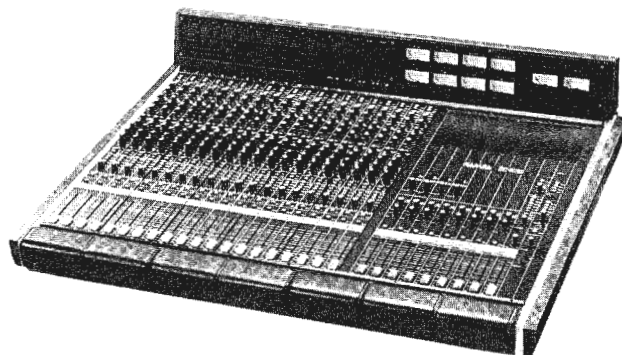
CALL PAS FOR PRICING AND CONFIGURATION

CONSOLES PRODUCTION

RAMSA

The **RAMSA WR-T820B** is a high performance and modestly priced console specifically designed for multitrack recording. The WR-T820B allows input source signals to be simultaneously mixed with tape monitor signals in line during overdubs. There are up to 48 inputs available for a stereo mixdown, so you can handle a 24 track tape machine, a rack full of effects and an assortment of MIDI instruments in a single mix to stereo. The new **RAMSA MRP** fader is made with precious metal wire brushes to provide excellent resistance to environmental conditions and a smooth feel.

WR-T820B PAS Price \$ _____ List8500.00



Careful consultation with the audio industry has enabled **RAMSA** to design the WR-8428 for the way post-production, music, broadcast and sound reinforcement professionals really work. The logical layout, color coded controls and helpful combination of LED and VU metering help streamline even the most complex projects. Hybrid circuitry with high-speed op amps, transformerless electronics and a separate ground structure for each channel enable the WR-8428 to offer as much as 60 dB of crosstalk rejection. Each of the 28 input slots on the WR-8428 can be loaded with either a stereo or a mono input module, enabling the console to accommodate any combination of pre-recorded stereo sources and monaural mic or line level sources..

WR-8428 Pricing starts at \$ 9400.00

SOUNDCRAFT

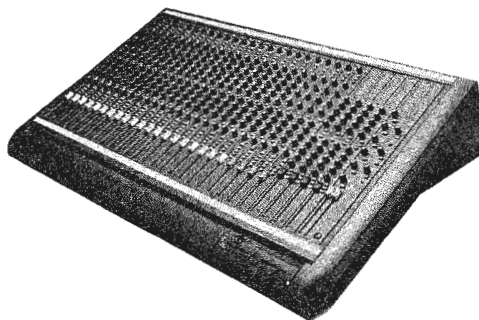
The **SOUNDCRAFT 200 Delta** is an all new compact console with a wealth of technical and operational innovations. The 200 Delta's electronics incorporate advanced circuit components, using state-of-the-art production and assembly techniques for optimum quality at every stage. The Delta Deluxe is the same as the Standard models with the exception that the Deluxe has deluxe input modules.

Delta 200 Standard

8 Channel	PAS Price \$ _____	List3690.00
16 Channel	PAS Price \$ _____	List5450.00
24 Channel	PAS Price \$ _____	List7150.00
32 Channel	PAS Price \$ _____	List9100.00

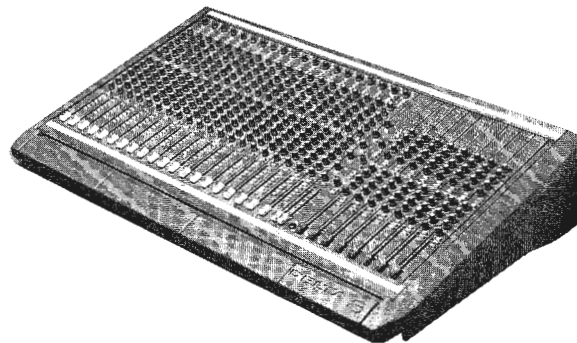
Delta 200 Deluxe

8 Channel	PAS Price \$ _____	List4290.00
16 Channel	PAS Price \$ _____	List6650.00
24 Channel	PAS Price \$ _____	List8950.00
32 Channel	PAS Price \$ _____	List11500.00



Designed for both 8 and 16 track recording, Delta 8 offers a compact, high performance package for home recording, broadcast and post production facilities. New circuitry designs already successfully employed on the **SOUNDCRAFT 200 Delta** and Venue, give exceptionally low crosstalk and distortion figures, making the Delta 8 the ideal choice for studios using digital recording formats. The classic split format is completely modular and offers 8 groups with a choice of 20, 28 or 36 inputs channels. Mono Input facilities include six independent auxiliary sends, 4 band sweep EQ as well as a direct output facility, enabling any signal to be recorded directly to tape. In addition to the Mono and Stereo input modules, a Dual Line input option is available, doubling the number of signal sources which can be brought into the console.

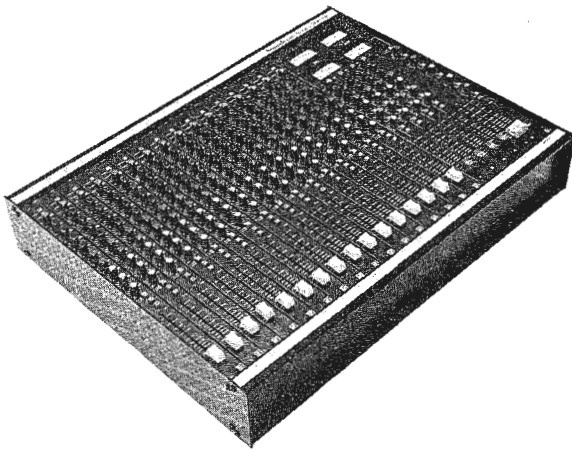
20 Channel	PAS Price \$ _____	List10870.00
28 Channel	PAS Price \$ _____	List14020.00
36 Channel	PAS Price \$ _____	List17090.00



CONSOLES PRODUCTION

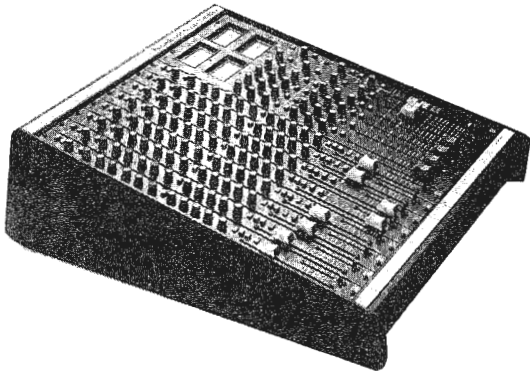
SOUNDCRAFT

The Series 200SR is a high quality console created specifically for live sound mixing. It combines comprehensive facilities with SOUNDCRAFT's legendary audio quality in a tough, portable package—the definitive, professional compact live console. It gives precise control over equalization, sends and routing, with a range of facilities chosen through years of experience working with sound engineers. Inside, advanced, modular signal processing technology creates the excellent sound quality that sets SOUNDCRAFT consoles apart.



8 Channel	PAS Price \$ _____	List.....2650.00
16 Channel	PAS Price \$ _____	List.....4380.00
24 Channel	PAS Price \$ _____	List.....6030.00
32 Channel	PAS Price \$ _____	List.....7620.00

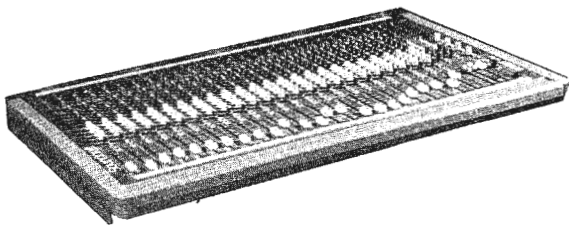
With the advanced features of today's video post production suites pushing standards even higher, it seems only logical that the audio system should be capable of matching the performance of the video system. In the past the editor has had to rely on the most elementary of low-performance consoles of more recently electronic sophistication without the flexibility and performance that's needed to match contemporary video standards. The Series 200/BVE is specifically designed to provide an ideal balance of facilities. It combines excellent creative options, thanks to the dedicated editor interface system, professional audio performance, highly logical and simple operation and a price/performance balance that's unmatched by any console on the market.



200/BVE Standard EQ		
8 Channel	PAS Price \$ _____	List.....6230.00
16 Channel	PAS Price \$ _____	List.....9370.00
24 Channel	PAS Price \$ _____	List.....12560.00

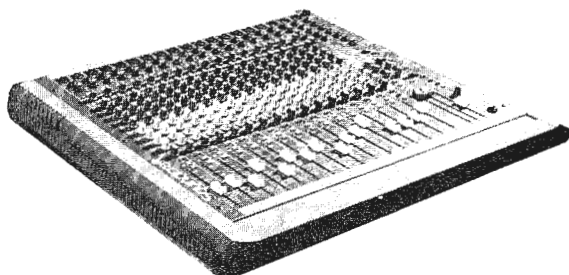
The unique design of the VSA-24 MKII Serial Interface extends the capabilities of the SOUNDCRAFT Series 200 BVE console into a highly flexible audio editing tool, capable of matching the precision and creativity demanded by today's sophisticated video production techniques.

VSA-24MKII	PAS Price \$ _____	List.....3500.00
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The Spirit Studio is a one piece professional recording console, packed full of features for both track-laying and mixdown. Designed for all types of multitrack recording from 8 track all the way up to 24 track, Spirit Studio's outstanding audio performance and range of facilities makes it the ideal choice for a modest commercial studio or private home recording facility. An in-line console available in two frame sizes, 16-8-2 and 24-8-2, there is no shortage of inputs on Spirit Studio, since in mixdown mode the multitrack monitor inputs double as extra line inputs. This turns the 16 channel Spirit Studio into a 32 input mixdown console and the 24 channel unit providing a total of 48 inputs. Using the 4 stereo effects returns gives even more input possibilities, with an incredible 56 available on the larger frame.

SPIRIT LIVE (All 3 Buss)		
Spirit 83	PAS Price \$ _____	List.....1295.00
Spirit 163	PAS Price \$ _____	List.....2395.00
Spirit 243	PAS Price \$ _____	List.....3495.00



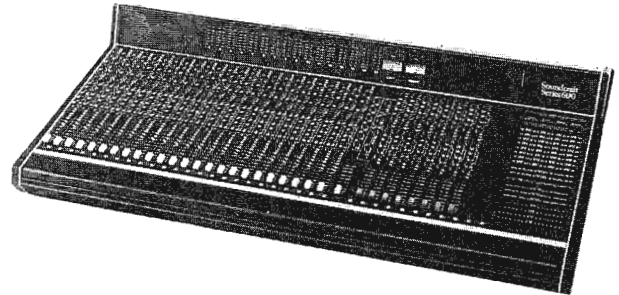
SPIRIT STUDIO (All 8 Buss)		
Spirit 1682	PAS Price \$ _____	List.....3995.00
Spirit 2482	PAS Price \$ _____	List.....5650.00

CONSOLES PRODUCTION

SOUNDCRAFT

The **SOUNDCRAFT** Series 600 provides in a smaller package the uncompromising quality that the recording industry today demands. The Series 600 is available in 24 or 32 input sizes with a comprehensive patchbay. 16, 24, 32 or 40-input sizes are available without patchbay. Stereo inputs and quadruple effect-return modules are also available. You can select the configuration that suits your individual needs. Each input module incorporates the same high performance 4-band equalizer famous for its superlative clarity and wide range of tonal possibilities. The 600 has completely comprehensive monitoring facilities. Each output module carries, as well as the group fader, two tape monitor sections each with 2-band EQ, two aux sends, a panpot, and a rotary level control, plus on/off and PFL buttons.

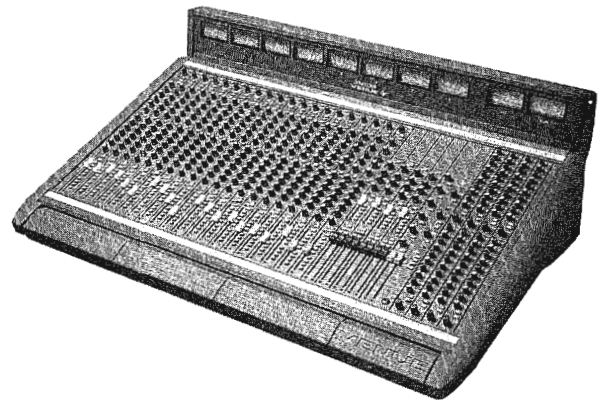
CALL FOR PAS PRICING AND CONFIGURATION



The diversity of live sound applications around the world demands uncompromising audio performance, combined with a range of features and facilities which are both sophisticated and versatile. It is precisely these qualities that make the new **SOUNDCRAFT** Venue the most successful PA console in its class. A fully modular 8 bus mixer, the Venue's design stems from the highly acclaimed 200 Delta console, with a host of features dedicated to live mixing, whether it's in a medium-sized theatre or concert hall, a conference auditorium or church. Every element of the design carries a hallmark of quality, from the patented circuits to the custom-made steel frame. Designed to withstand the rigors of touring and meet the exacting standards of fixed installations, Venue offers unprecedented sophistication and a unique pedigree afforded by **SOUNDCRAFT's** leadership in sound reinforcement technology.

PRICES START AT \$ 11,550.00

CALL FOR PAS PRICING AND CONFIGURATION



TASCAM

The M-06 Audio Mixer is a blend of simplicity, flexibility and affordability. Because it's simple, it's easy to operate, leaving you free to get on with the business of music. Main Features:

- 6 Input channel Stereo Mixer
- Effects system includes an Effect Output and Stereo Returns.
- Phono input on Ch 5 & 6
- Mic inputs for each channel accept a wide signal range from mic, instrument and audio components.
- Access Send/Receive jacks on CH 5 & 6
- Hi and Low EQ on each channel

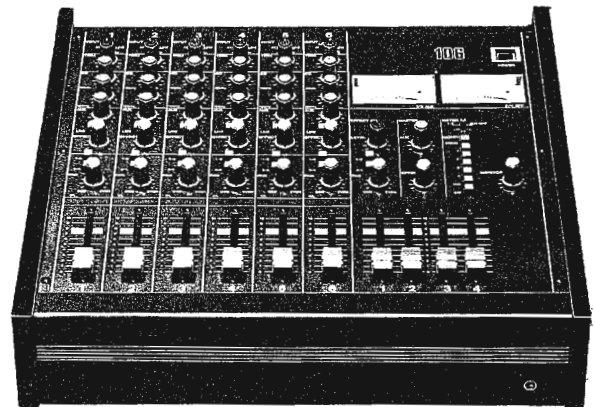
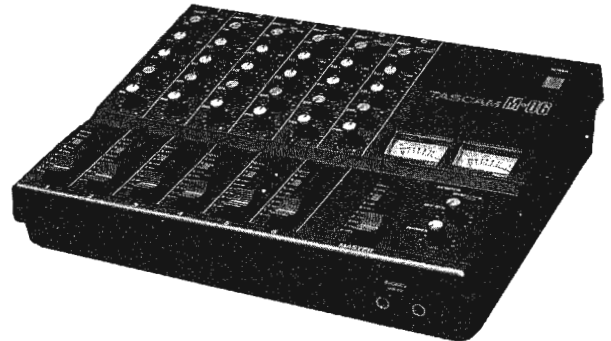
M-06 PAS Price \$ _____ List.....369.00
M-06ST PAS Price \$ _____ List.....499.00

Whether you use it for music recording, video post-production, audio sweetening, live sound reinforcement or disco dj mixing, you can count on the M-106 to provide all the options you need—and all with exceptional **TASCAM** audio quality.

Premium Performance Features:

- Modular design with individual circuit cards and a steel subchassis.
- 6 channels, all with comprehensive Mic & Line input connectors.
- 4 phono inputs for use in audio-visual, television production and other applications.
- 2 band shelving-type EQ, equaling $\pm 15\text{dB}$ @ 10kHz and 100Hz centering frequencies.
- 5 Submix systems: Main Mix, Monitor, Aux, Effects Send & Return
- 1.5 W/Channel power to drive a small set of speakers.
- 19" rack mountable with optional RM-106 Rack Mount Kit

M-106 PAS PRICE \$ _____ List.....699.00



CONSOLES PRODUCTION

TASCAM



The TASCAM 200 Series Premium Performance Features:

- Main, stereo, foldback, effects and solo mixes effectively organize and facilitate complex recording or sound reinforcement setups without extensive patching.
- The M-208 and M-216 have 8 tape input jacks while the M-224 has 16
- 4 Program busses, each with a Master fader and Pan control plus choice of XLR & RCA outputs. Single fader grouping for maximum mixing convenience.
- 3 Band EQ combines shelving and sweep-type parametric EQ to provide 12dB and 15dB of cut or boost at each frequency band.

M-208	PAS Price \$ _____	List1199.00
M-216	PAS Price \$ _____	List1849.00
M-224	PAS Price \$ _____	List2599.00

The M-2500 Series includes the 24 input M-2524 and the 16 input M-2516, so you can select the right console for your recorder capacity and individual recording requirements. A few of the main features are: Distributed in line monitor system provides extra monitor capacity and also doubles input capacity during mixdown, versatile mute automation: 99 scene mute memory allows manual or MIDI controlled recall and individual channel muting can be controlled via MIDI in real time.

M2516	PAS Price \$ _____	List2999.00
M2524	PAS Price \$ _____	List3999.00



The TASCAM M-600 Series Mixing Consoles have been developed in response to popular demand for TASCAM quality in a larger console designed specifically for the professional recording environment. The result is a high-performance console that offers broad mixing control and versatility while at the same time being remarkably compact and easy to use. 24 & 32 input channel versions are available, both offering a full complement of 16 program busses as well as fully balanced inputs and outputs.

M-600 16/16 or 16/32	List.....9,999.00
M-600 24/16 or 24/32	List.....11,499.00
M-600 32/16 or 32/32	List.....12,999.00
CS632 Console Stand	List.....1,000.00
CS633 Top Board	List.....100.00
CS664 Patch Bay Mount Rack	List.....750.00
PB664 64 Point Patch Bay	List.....500.00



The M3500 Series mixing consoles are designed to meet the requirements of the most demanding studio owner/producer. 4 fully assignable effect returns with mute and solo switches and 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, balanced XLR stereo outputs and 2TR inputs are just a few of the many features of the M3500.

M3500/24	PAS Price \$ _____	List.....7499.00
M3500/32	PAS Price \$ _____	List.....8499.00
M3500/24ST	PAS Price \$ _____	List.....9499.00

YAMAHA



The DMP7 is a revolutionary digital mixing console with built-in digital effects for totally programmable automated mixing. With memory storage of 30 scenes you have instant recall of all console parameters, plus RAM4 cartridge storage of up to 67 additional scenes on each cartridge. With this YAMAHA mixing processor you have complete digital signal processing from input to output with 16 bit resolution 44.1 kHz sampling frequency for a full 20 Hz to 20 kHz frequency response throughout the system.

DMP7	PAS Price \$ _____	List.....3995.00
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CONSOLES PRODUCTION

YAMAHA

Light and compact professional mixing console in 8, 12, and 16 input configurations from YAMAHA gives you maximized convenience with exceptionally high sound quality and performance. They are slim and elegant in design with bright, easy to read controls.

MC1602	PAS Price \$ _____	List.....1295.00
MC1202	PAS Price \$ _____	List.....1095.00
MC802	PAS Price \$ _____	List.....825.00

The MR842, MR1242 and MR1642 offer 8, 12 and 16 input channels, respectively. The input channels can be assigned to any of four group busses, and the group busses, in turn, can be assigned to a master stereo buss. Furthermore, tape to AUX 3 switches facilitate multitrack monitoring, leaving all input channels free for mic and line sources. This combination of groups, stereo busses and tape returns makes the MR-series consoles ideal for use in recording and sound production applications as well as sound reinforcements jobs.

MR842	PAS Price \$ _____	List.....1295.00
MR1242	PAS Price \$ _____	List.....1595.00
MR1642	PAS Price \$ _____	List.....1795.00

The finest in professional mixing consoles, with 12, 16 or 24 inputs from YAMAHA have complete compatibility with nearly all professional audio equipment. They are light, compact and rugged for mixing on the road as well as in the studio.

MC2404	PAS Price \$ _____	List.....3995.00
MC1604	PAS Price \$ _____	List.....2995.00
MC1204	PAS Price \$ _____	List.....2495.00

The latest addition to the superb YAMAHA MC series was designed with a specific purpose in mind, flexible, efficient on stage monitoring for performing musicians. The ability to be able to hear his own performance blended with an individually balanced mix of fellow musicians gives a performing artist the opportunity to concentrate on his art totally and it is in this critical area that the new YAMAHA 2408M monitor mixing console makes a significant contribution to live music.

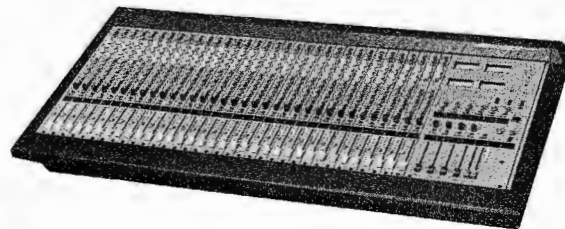
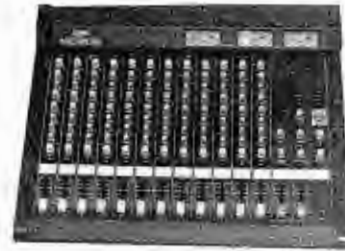
MC2408M	PAS Price \$ _____	List.....3995.00
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YAMAHA now offers the PM1200 series of modern mixing consoles. Fitted with many of the outstanding features of the state of the art PM3000 series, the PM1200 is designed to help you create superb mixes today and in the future. Available in three models, 16, 24 and 32 channel configurations with four subgroup busses and a stereo master buss, each PM1200 comes equipped as standard with a first for YAMAHA PM series mixing consoles, stereo input channels.

PM1200 16	PAS Price \$ _____	List.....5500.00
PM1200 24	PAS Price \$ _____	List.....6500.00
PM1200 32	PAS Price \$ _____	List.....8000.00

The PM3000 delivers more audio mixing flexibility, performance and reliability than any console YAMAHA has yet offered. It is designed primarily for audio mixing in live sound reinforcement applications. The PM3000's exceptional flexibility however will undoubtedly appeal to those who need a high quality audio mixing console for other applications, including TV show and music video productions, AV audio production and general recording. The PM3000 is available with 24, 32 or 40 input channels.

PRICING STARTS AT \$ 34,000.00
CALL FOR PRICING AND CONFIGURATIONS



CONSOLES PORTABLE

AUDIO TECHNICIA

A-T engineers knew that this mixer would be taken to the most hostile environments imaginable. So they designed the AT4462 to survive and excel anywhere. Weighing only 74 ounces it can be comfortably carried for long periods. When used in the supplied protective bag, the impact absorbing inserts rest against the body for added comfort, while the shoulder strap evenly distributes the weight.



AT4462 PAS Price \$ _____ List1395.00

The SM502 mixer has inputs for two turntables, two stereo line-level sources and microphone. RIAA equalized phono inputs and "talkover" mike position reduces all other signals, for easily heard announcements. The SM505 has inputs for two turntables, six stereo line-level sources including two CD players and two microphones. The SM509 includes separate left and right 5 band graphic equalizers. The monitor circuit can preview any input signal, and also has adjustable electronic echo circuit. Repeat amount and delay time are continuously adjustable.



SM502 PAS Price \$ _____ List239.95
SM505 PAS Price \$ _____ List299.95
SM509 PAS Price \$ _____ List399.95

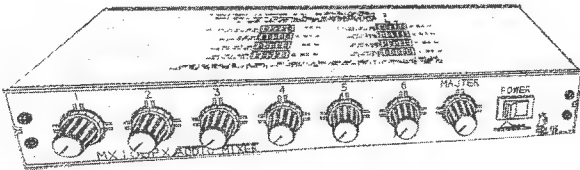
EDCOR

The GLM is designed to serve many mixer users. It incorporates ideas not found in utility mixers. Three mic inputs, balanced or unbalanced, and an auxiliary input provide the utility. Additional features include full range bass and treble controls, electronic or manual muting, tape output, etc. Rack mountable with kit.



GLM PAS Price \$ _____ List212.00

The MX100P and MX300 audio mixers allow you to change any or all input channels to line level or microphone level input sensitivity simply by reversing a program plug on the circuit board. When the plug is set in the microphone position, the channel will accept a balanced low impedance mic or an unbalanced high impedance mic. When set in the line position the channel will accept a balanced line level input or an unbalanced line level input. The MX100P is 6 channel w/XLR, the MX300PT is 10 channel w/Barrier strip and the MX300PC is 10 channel w/XLR.



MX100P PAS Price \$ _____ List214.00
MX300PT PAS Price \$ _____ List480.00
MX300PC PAS Price \$ _____ List480.00
Rack Mounts PAS Price \$ _____ List25.00

ELECTRO-VOICE

The E-V ELX-1R mixer is a compact, high performance audio mixer designed for professional applications where clean audio and reliable operation are important. Features and performance make the ELX-1R ideally suited for broadcast and production recording applications. It can be mounted in a single rack space or set on any surface. Extensive RF filtering circuitry and shielding provides protection against RF interference.



ELX-1R PAS Price \$ _____ List567.00

**AT PAS
CUSTOMER SERVICE
IS #1**

CONSOLES PORTABLE



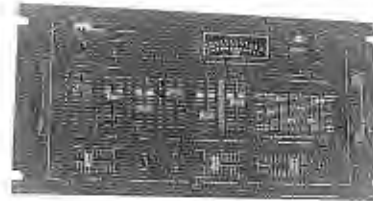
NUMARK

The DM1975 is a preamp/mixer with 4 second Sampler and four memory banks. Features include: 16 bit/48kHz CD quality sampling, 4 sub-memory presets for multiple samples, 4 stereo inputs, 3 phono/line, balanced and unbalanced outputs. DJ mic w/bass, treble and variable auto mute talkover, left and right pushbutton cueing, crossfader w/ beat blend, source assignable EQ, booth and house level controls. Rack mountable.

DM1975 PAS Price \$ _____ List.....1799.50

The DM1750RM preamp/mixer from NUMARK has a six band equalizer, ± 15 dB frequency controls, 2 phono/line, 2 mic/line switchable inputs. Dual master gain controls, fader and cue controls, talkover switch dual LED multi-color VU meters with automatic peak hold and reset, output voltage selector are just a few of the many features. Rack mountable.

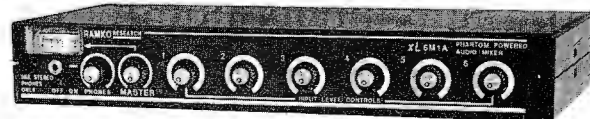
DM1750RM PAS Price \$ _____ List.....544.95



RAMKO

Performance, size, versatility and price all combine to provide a pro mixer unparalleled by anything else on the market.

xL6M1 List.....366.00
xL6M1A (Output metering & phantom power) List.....415.00



RANE

Model SM26 Splitter-Mixer is one of the most useful, yet unusual audio products available. It will accept six balanced or unbalanced line level inputs which are applied to six level and pan controls. The result of the mix is sent to an overall main output level control and appears at the left and right output jacks on the rear. In the splitter mode it can take one or two line level inputs and split these to any of the six mono outputs on the rear.

SM26 PAS Price \$ _____ List.....349.00



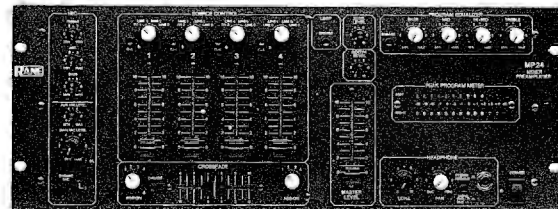
The RANE Model SM82 Stereo line level mixer is a product offering incredible power and versatility. It is the equivalent of a sixteen channel mixer in one rack space. It can do the job of mixers costing several times as much while only occupying a fraction of the rack space. Each of the 8 stereo (two channel) input channels feature a stereo rotary input level control, a stereo aux send level control slider and a left to right balance control slider. The aux return section provides a rotary level control and a slide control for left to right balance. The output stage includes a rotary level control and a slide control for left-right balance.

SM82 PAS Price \$ _____ List.....599.00



The RANE MP24 program mixer/preamplifier has nine stereo inputs, 3 phono, 6 line assignable to 4 stereo input mixing buses with selector switches. 2 mic inputs with 3 way EQ, effect loop, 4 band program EQ with range switch on rear and fully balanced master output with rear limit pot are just a few of the features of the MP24.

MP24 PAS Price \$ _____ List.....1299.00



RUSSCO

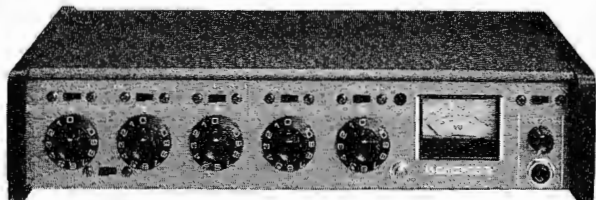
The remote mixer you've been waiting for is the RUSSCO Steller Telemote 321 3 channel mixer. No batteries or AC plugs to worry about. Just hook up your phone line and you're on the air. While broadcasting you can supply audio up to 3 headsets at once and control their level by a front panel pot.

TELEMOTE 321 PAS Price \$ _____ List.....649.00



CONSOLES PORTABLE

SHURE

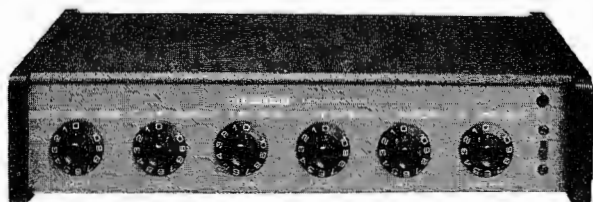


FP51 lets you ride gain automatically in critical remote-to-studio feeds, assuring consistent signal output. It combines a 4 input, 1 output audio mixer with a high quality gated memory compressor that provides an adjustable 40 dB compression range and maximizes the output level regardless of the program material's peak-to-average ratio.



FP42 full stereo capability, four transformer-balanced inputs, two outputs, battery or AC powered are just a few of the features of this SHURE mixer.

M267 is one of the most popular field production mixers ever. It incorporates a switchable limiter, phantom power, LED peak indicator, built-in battery pack, headphone jack and level control, automatic muting circuit, battery check function, tone oscillator, mic/line switches on each input and output, low-cut switches on each channel and much more.



The **FP31** packs an amazing number of convenience features into an exceptionally compact package. Three XLR connector inputs and two outputs, each switchable for mic or line level, VU meter, timed meter lamp, peak LED overload/limiter indicator, adjustable limiter, tone oscillator, stereo headphone mini and 1/4" jacks, phantom and A-B power.

FP32 is the stereo version of the FP31.

M268 is a compact lightweight 5 input mixer for use in PA/paging applications, by performers as an add-on mixer for expanding current equipment. Features switchable phantom power mix bus, peak indicator.

M68A is perfect for all applications requiring an economical microphone mixer. Four microphone channels, each switchable for use with high-impedance or low-impedance microphones.

FP51	PAS Price \$ _____	List.....965.00
FP42	PAS Price \$ _____	List.....1020.00
M267	PAS Price \$ _____	List.....520.00
FP31	PAS Price \$ _____	List.....1065.00
FP32	PAS Price \$ _____	List.....1450.00
M268	PAS Price \$ _____	List.....315.00
M68A	PAS Price \$ _____	List.....240.00

STEWART



The **MM-4S** is a 4 channel stereo output mixer designed to provide high performance and flexibility in a space saving half rack chassis. Because of it's switchable output operating level, the unit may be used in broadcast application (in +8 setting) as well as all stage and studio environment (in +4 setting). With the **MM-4S** you receive a **STEWART** full two warranty.

MM-4S	PAS Price \$ _____	List.....399.00
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TELFAX



TELFAX Communications announces the all new "GX Series". The exciting Next Generation of phone remote mixers. These compact lightweight, feature packed units are perfect for today's on the go broadcasting. Three models to choose from all with these standard features: Weigh less than 2.7 pounds; black anodized finish; color coded knobs with numeric scales; high capacity, quick charge Ni-cad batteries; peak limiter; VU bargraph; squelch; tone/pulse dialing; ringer; 2-way hybrid; headphone amplifier; tape input/output; dial line or loop operation; bass boost switch; radio monitor jack; headphone amp input; low frequency extender interface jack and an interface jack for the **TELFAX** MobilLink Cellular unit.

GX-300 has three microphone inputs and one tape input plus all the features mentioned above.

continued.....

CONSOLES PORTABLE

TELFAX

The GX400 has four microphone inputs, two tape inputs, cue channel and a 1Khz test-tone oscillator. The GX440 has all of the above features plus up-down event timer and allows you to connect a second phone line for airing listener calls, or as a closed circuit studio 'Cue' line.

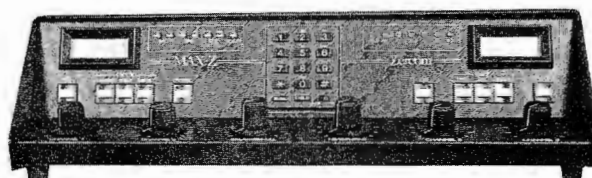
GX300	PAS Price \$ _____	List.....950.00
GX400	PAS Price \$ _____	List.....1050.00
GX440	PAS Price \$ _____	List.....1195.00



ZERCOM

MAX-Z is a remote broadcast console that provides maximum flexibility, utility and audio quality. Standard features include carrying case, built in rechargeable batteries and charger, clock, stopwatch/timer, VU meter, cue channel, phone line alarms, memory dialing. The MAX-Z II is an abbreviated version of the MAX-Z. High quality audio handling is maintained in the two channels of audio input. Headroom, noise performance, and distortion are comparable in quality to studio consoles. Pricing includes case.

MAX-Z	PAS Price \$ _____	List.....1095.00
MAX-Z II	PAS Price \$ _____	List.....600.00



CONSOLE ACCESSORIES

LITTLITE

The perfect gooseneck lamp for your console or wherever you need light. L-3's are available in 12" and 18" lengths and use an efficient quartz bulb to produce a crisp 'white' light. You can dial up just the right amount of light with the dimmer control on the base.

L-3/12	12" length	List.....57.00
L-3/18	18" length	List.....57.00
WB	Weighted base	List.....11.00
Q5	Quartz halogen bulb	List.....9.00



CALL FOR PAS PRICING

LUXO

The LUXO Copyholder is the perfect solution for holding copy in any application or situation. Strong and generously sized copy boards feature a hold down bar to keep books open and papers secure. Two sizes to fit your exact needs.

MH601	1 lb. Cap	PAS Price \$ _____	List.....89.00
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METERS

Expandable ATI MicroMeters display one, two, three or four stereo lines on bright, LED's. Balanced, bridging inputs are switchable for 0 VU at -10, +4 and +8dBm line levels. Displays -20 to +8VU with peaks stored for several seconds. Compact 3 1/2" rack mount.

VU200	PAS Price \$ _____	List.....499.00
VU400	PAS Price \$ _____	List.....749.00
VU600	PAS Price \$ _____	List.....999.00
VU800	PAS Price \$ _____	List.....1249.00



CONSOLE ACCESSORIES

METERS



Today's audio requires careful attention to precise level control. The consumer now has audio playback systems that stretch the limits of program dynamics. With all this new equipment, the modern listener is able to hear subtle differences in level and distortion within program material and makes critical program choices based on the quality of sound. The DORROUGH loudness monitors are available in a wide variety of packages: singles, duals, vertical and horizontal reading, self-powered and DC Powered, and as standard VU sized packages to retrofit existing units.

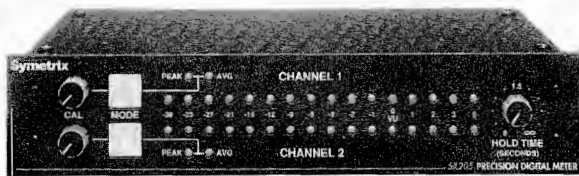
PLEASE CALL YOUR PAS REPRESENTATIVE FOR EXACT MECHANICAL DIMENSIONS AND FORMAT CONFIGURATIONS AND PRICING.



LOGITEK Bright-VU LED Audio Level Displays have bright, color-coded displays letting you monitor audio levels from across large control rooms. Fast action catches audio peaks missed by standard VU meters so you can make better recordings and rear panel switch for selecting peak or average response is available depending on your needs.

Bright VU (Mono) List.....195.00
Bright VU (Stereo) List.....330.00

CALL FOR PAS PRICING on the BRIGHT VU



The SYMETRIX SX205 Precision Audio Meter is a 2 channel level display that indicates both voltage and power. A 1kHz sinewave oscillator is included for calibration and alignment. Bargraph or dot format may be selected for each channel.

SX205 PAS Price \$ _____ List.....339.00

VACUUM CLEANER



Get better performance from your equipment by keeping it clean with Portable Vacuum. Compact, lightweight to work easily wherever it's needed — inside, under, behind equipment. Converts to blower to sweep dust and lint. Convenient pinpoint nozzle concentrates air stream for extra power. Sturdy all steel tank construction. Includes 19" flexible hose, soft bristle round brush; handy shoulder strap; crevice tool; high-velocity pin point blower, and 5 reusable paper filter bags. Carries 1 year limited Mfg. warranty.

Data Vac PAS Price \$ _____ List.....64.95
Filters (5) PAS Price \$ _____ List.....4.25

EBS

GORMAN-REDLICH



Model CEB Encoder-Decoder is a complete two frequency EBS system which meets all necessary F.C.C. requirements. You can use your existing monitor or the low cost, tunable AM/FM/EBS monitor receiver from GORMAN-REDLICH. The Encoder position counts down the 3.9 MHz crystal oscillator frequency to generate a 960 Hz and 853 Hz tone which make up the new attention signal. The Decoder portion detects the presence of the EBS attention signal at the output of the monitor receiver.

CEB Encoder - Decoder List.....540.00
CE Encoder only List.....375.00
CE-S Encoder w/stereo option List.....405.00
CD Decoder only List.....320.00
AM/FM Monitor Receiver List.....100.00

CALL FOR PAS PRICING

EBS

TFT

The TFT EBS Systems feature 2 digital clocks: days since your last transmission and days since your last reception. Both LED displays count up to 11 days, then flash a warning on 12. There are also provisions for balanced and composite audio loop-through, remote activation with many more features all in only one unit of rack space.



886 AM	PAS Price \$ _____	List.....2095.00
887 FM	PAS Price \$ _____	List.....2020.00

FURNISHINGS CART RACKS

ABCO

ABCO a leader in the wire fixture industry has designed these heavy duty chrome Cart Storage Racks in different sizes and configurations for your cart storage needs.

ABCO 50	Wall Rack 50 Capacity	List.....55.00
ABCO 300	Lazy Susan 300 Capacity	List.....390.00
ABCO 500	Lazy Susan 500 Capacity	List.....599.00

CALL FOR PAS PRICING



ARISTOCART

Low cost slim line Space Saver units hold 20 cartridges in slanted slots. Mount them on any convenient wall. Can be stacked. Made of rugged high impact styrene construction.

AW20	1-9	PAS Price13.50
AW20	10+	PAS Price12.15

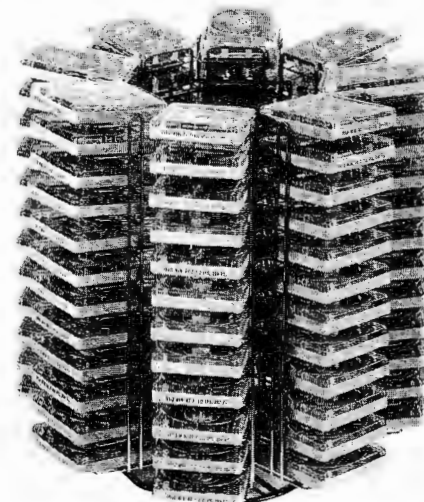


FIDELIPAC

Heavy gauge wire racks are the answer for table top, wall mount or mobile floor cart storage. These FIDELIPAC racks are designed for long use.

WR-25	Wall Rack 25 capacity	List.....36.00
MR-200	Mobile Rack 200 capacity	List.....371.00
TR-48	Table Top Rack 48 capacity	List.....104.00
TR-96	Table Top Rack 96 capacity	List.....185.00

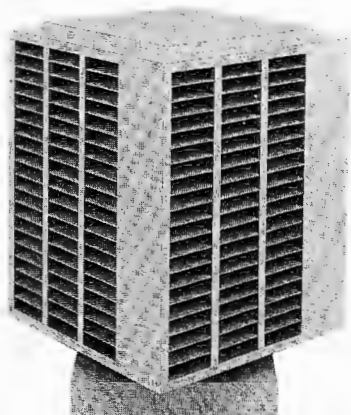
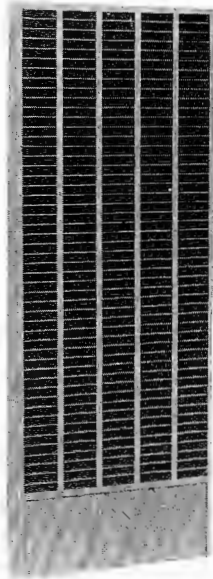
CALL FOR PAS PRICING ON THE FIDELIPAC RACKS



FURNISHINGS CART RACKS

DIMENSION IV

The **Dimension IV** Cart Racks are designed to put an end to storage problems in a beautiful way. These cart racks are available in three styles and can also be combined with other units for a completely custom storage facility. As with all the **Dimension IV** products you can choose your color to match the decor of your current furnishings or you can choose from the three standard colors, Walnut, Oak or Black stocked for immediate delivery. Wall racks are available in 20 to 200 capacities standard. Floor racks range in size from 100 to 1000 and the Lazy Susan style is available in 80 to 1200 capacities and can be configured for either table top or floor locations.



W Series — Wall Cartridge Racks

Model	Cap.	H x W	Mfg. List	PAS Price \$
IV 20	20	5 7/8" x 25 1/4"	36.00	_____
IV 40	40	10" x 25 1/4"	46.00	_____
IV 60	60	14 1/4" x 25 1/4"	66.00	_____
IV100A	100	22 3/4" x 25 1/4"	105.00	_____
IV100B	100	12 1/8" x 49 3/4"	105.00	_____
IV150	150	17 3/8" x 49 3/4"	169.00	_____
IV200	200	22 3/4" x 49 3/4"	172.00	_____

F Series — Floor Cartridge Racks

Model	Cap.	H x W	Mfg. List	PAS Price \$
IV150F	150	67" x 15 1/8"	169.00	_____
IV250F	250	67" x 24 3/8"	275.00	_____
IV500F	500	67" x 48 5/8"	545.00	_____
IV7500F	750	67" x 73 1/8"	825.00	_____
IV1000F	1000	67" x 97 1/2"	1030.00	_____

LS Series — Lazy Susan Cartridge Racks

Model	Cap.	Turning Radius	Mfg. List	PAS Price \$
IV80LS	80	14 1/2"	140.00	_____
IV100LS	100	14 1/2"	160.00	_____
IV160LS	160	22 3/8"	250.00	_____
IV240LS	240	28 1/4"	330.00	_____
IV400LS	400	35 1/4"	520.00	_____

FURNISHINGS CASSETTE RACKS

RAYLINE

The ideal answer to organizing your audio cassettes in a manner that will blend with any decor is the RAYLINE cassette rack that accommodates all brands of cassettes. Rugged interlocking miter-fold construction, deluxe walnut vinyl laminated finish on durable wood-product substrate.

ACR-48	Wall rack, 48 capacity	List.....	32.00
ACR-96	Wall rack, 96 capacity	List.....	47.00
ACR-192	Table top lazy susan, 192 cap.	List.....	159.00
ACR-384	Floor rack, 384 capacity	List.....	415.00

CALL FOR PAS PRICING



FURNISHINGS CD RACKS

ABCO

ABCO the leader in wire storage racks offers CD racks in 70 capacity wall rack and 280 and 560 capacity lazy susan carousels.

ABCO 70	Wall Rack	List.....	75.00
ABCO 280	Lazy Susan	List.....	350.00
ABCO 560	Lazy Susan	List.....	630.00

CALL FOR PAS PRICING



ARISTOCART

ARISTOCART's new CD-40 CD rack is simple, lightweight, dark brown, rugged and ready to wall mount.

CD-40	PAS Price \$ _____	List.....	25.00
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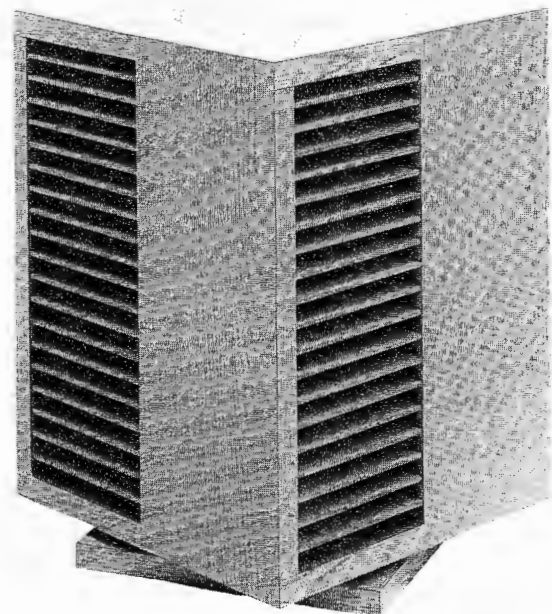
DIMENSION IV

COMPACT DISC STORAGE — Wall Rack

Model	Cap.	H x W	Mfg. List	PAS Price \$ _____
IVCD20	20	6 5/8" x 15 5/8"	36.00	_____
IVCD40	40	12 1/2" x 15 1/8"	46.00	_____
IVCD60	600	18 3/8" x 15 1/8"	66.00	_____
IVCD100	100	24 1/4" x 18 1/2"	105.00	_____
IVCD150	150	30 1/4" x 22"	169.00	_____
IVCD200	200	30 1/4" x 39 7/8"	215.00	_____

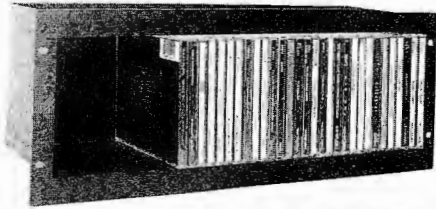
COMPACT DISC STORAGE — Lazy Susan Rack

Model	Cap.	Turning Radius	Mfg. List	PAS Price \$ _____
IV80CDLS	80	16 5/8"	120.00	_____
IV100CDLS	100	16 5/8"	160.00	_____
IV160CDLS	160	25"	250.00	_____
IV200CDLS	200	25"	275.00	_____
IV300CDLS	300	33 1/4"	385.00	_____
IV400CDLS	400	41 1/2"	520.00	_____



CUSTOM SIZES, AND FLOOR MODEL LAZY SUSAN AVAILABLE
CALL YOUR PAS REPRESENTATIVE FOR INFORMATION

FURNISHINGS CD RACKS

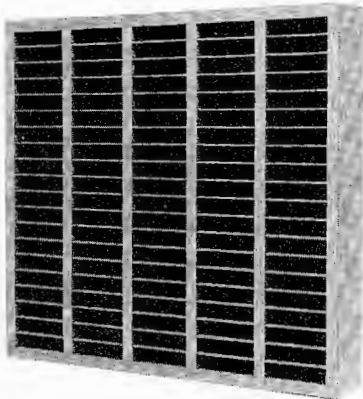


MIDDLE ATLANTIC

This rackmount holder allows up to 40 CD's to be stored standing up with labels facing out and protruding 3/8" for easy access. Tip partitions prevent discs from falling over. Open design accommodates double and triple disc sets. Four spaces tall (7").

MODEL CD PAS Price \$ _____ List.....70.00

FURNISHINGS DAT RACKS



DIMENSION IV

A new format means a new storage problem. Contrary to popular belief, Dat cassettes are not the same size as regular audio cassettes. Dat tapes also need special care to keep them clean and dirt free. DIMENSION IV provides you with the best storage cabinets made. Several sizes are stock items in walnut, oak or black, and racks can be custom built to fit your space exactly with over 100 custom colors available.

Model	Cap.	Mfg. List	PAS Price \$
IVRD20	20	39.50	_____
IVRD40	40	59.95	_____
IVRD60	60	79.95	_____
IVRD80	80	99.95	_____
IVRD100	100	120.00	_____
IVRD250	250	299.00	_____

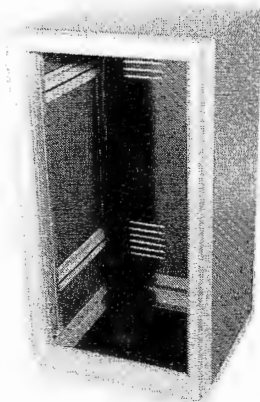


MIDDLE ATLANTIC

Digital Tape holder allows up to 27 tapes to be stored in 3 spaces tall (5 1/4"). Partitions are tipped to prevent tapes from falling over and tapes stand up and protrude 3/8" for easy access.

MODEL DAT PAS Price \$ _____ List.....66.90

EQUIPMENT RACKS



H.O.M.E.

The DR series of H.O.M.E. 19" modular racks are sturdy weld construction of 16 gauge RS with optional side panels that are removable for multiple bolt-together assemblies, adjustable 11 gauge angles tapped for 10-32 screw on standard EIA spacing. A cable opening is provided in the bottom panel along with a rear door with lock and handle. You can choose from 20 standard colors and depths to 24".

CALL FOR APPLICATION AND PAS PRICING

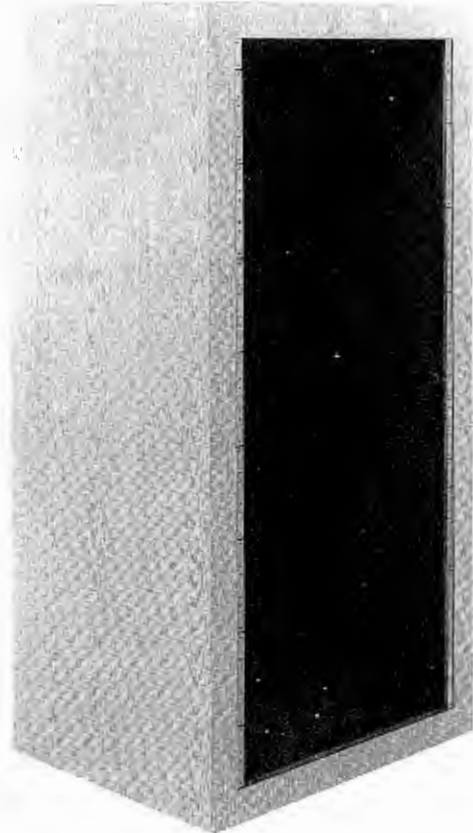
**LOW OVERHEAD
MEANS
LOWER PRICES FOR YOU**

EQUIPMENT RACKS

DIMENSION IV

All equipment racks are constructed of 3/4" high-density industrial particle board covered with Walnut, Oak, or Black laminate (Custom Colors are available). All equipment racks feature 48 sq. inches of positive air flow ventilation. The back of the rack also features our exclusive lift out panel design for quick and easy access. All units are 23 inches wide. Custom sizes and 23" depth racks are available. Casters Optional...\$37.00 per set.

Model	Panel Height	Depth	Mfg. List	PAS Price \$
IVR100	7"	17"	89.00	_____
IVR101	8 3/4"	17"	97.00	_____
IVR102	10 1/2"	17"	106.00	_____
IVR103	12 1/4"	17"	115.00	_____
IVR104	14"	17"	135.00	_____
IVR105	15 3/4"	17"	145.00	_____
IVR106	17 1/2"	17"	160.00	_____
IVR107	19 1/4"	17"	179.00	_____
IVR108	21"	17"	189.00	_____
IVR109	24 1/2"	17"	199.00	_____
IVR110	31 1/2"	17"	205.00	_____
IVR111	35"	17"	215.00	_____
IVR112	45"	17"	225.00	_____



SOUNDOLIER

Soundolier Multi-Racks are designed for standard 19" rack panels and maximum flexibility. Multi-Racks can be readily joined together and because of its open side construction, electrical wiring is simple and convenient. Multi-Racks are supplied with a rear door, hung on slip-jointed hinges. Panel mounting rails are adjustable, manufactured of 11 gauge CRS and are tapped for 10-32 screws. All metal surfaces receive an iron phosphate coating prior to finishing for rust prevention and maximum paint adhesion. Standard finish is grey hammertone with additional standard and non-standard colors available.

CALL FOR PAS PRICING AND APPLICATIONS



MIDDLE ATLANTIC

MIDDLE ATLANTIC can solve your rack mounting problems with a complete line of shelves, drawers and panels. The Custom Rackshelf lets you put anything into a rack, without modifying the unit and brings your equipment up to the next even rackspace, eliminating unsightly gaps.

Utility shelves are the quick and easy way to rackmount equipment that is normally not rackmountable. One piece construction of 16 gauge steel with black enamel finish. Two sizes available, but taller equipment may be put in each. 1 space shelf will support up to 35 lbs., while the 2 space will support 50 lbs.

U1	1 3/4" Tall x 11" Deep (1space)	List.....41.88
U2	3 1/2" Tall x 14 3/4" Deep (2 space)	List.....55.60

CALL PAS WITH THE MODEL OF THE UNIT YOU WANT TO RACK MOUNT.

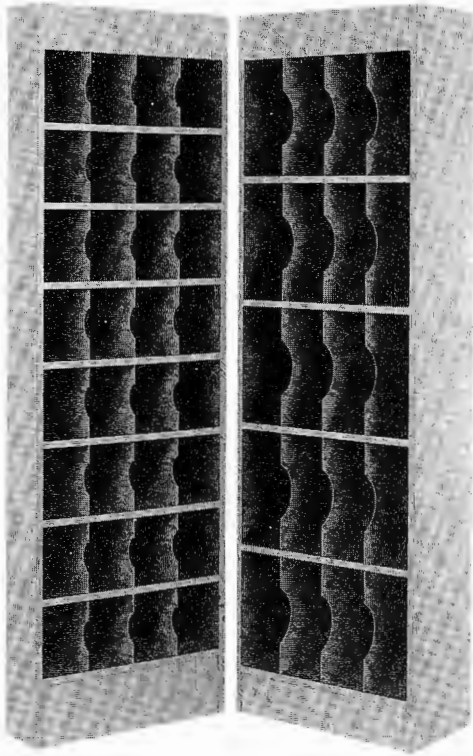


FURNISHINGS RECORD & TAPE STORAGE

DIMENSION IV

RECORD STORAGE CABINETS

Dimension IV now offers you a neat and efficient way to store all of your valuable record libraries either by numerical or alphabetical order in either standard or custom cabinets.



Model	Record Size	Cap.	Mfg. List	PAS Price
IV1000A	7"	1000	285.00	\$ _____
IV1500A	7"	1500	335.00	\$ _____
IV3000A	7"	3000	580.00	\$ _____
IV750B	12"	750	285.00	\$ _____
IV1000B	12"	1000	335.00	\$ _____
IV1500B	12"	1500	510.00	\$ _____

REEL TAPE STORAGE CABINETS

Production, music, commercials, programs, air checks and more. You have hundreds of reel to reel tapes to store and DIMENSION IV reel tape storage cabinets can help you organize the clutter. Standard colors of walnut, oak or black available for immediate delivery. Custom sizes and colors are available. Call your PAS representative for details.

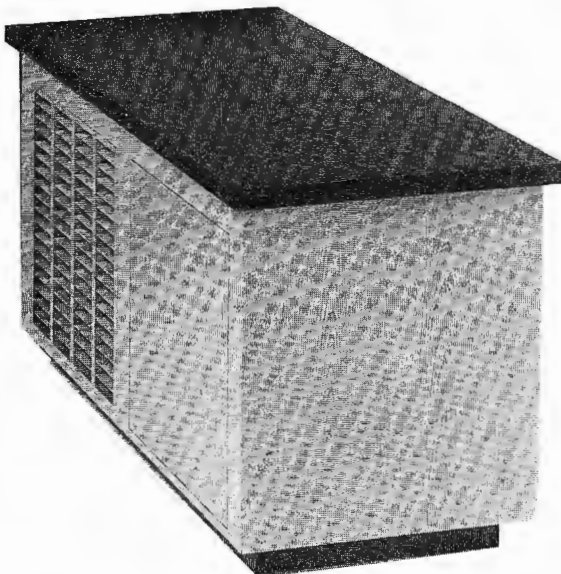
Model	Tape Size	Cap.	Mfg. List	PAS Price
IV350TC	7"	350	285.00	\$ _____
IV500TC	7"	500	389.00	\$ _____
IV175TC	10 1/2"	175	295.00	\$ _____
IV200TC	10 1/2"	200	389.00	\$ _____

STUDIO FURNITURE

DIMENSION IV

TURNTABLE PEDESTALS

Turntable pedestals are constructed of 3/4" high density industrial particle board and covered with laminate for lasting beauty. The tops are 1 1/4" thick. Turntable bases come standard with heavy duty steel rails, drilled and tapped to EIA standards. All access panels are secured with stainless steel 1/4 turn fasteners for quick and easy access. Front security panels are available at additional cost. Custom cabinets can be equipped with Cart Racks, Compact Disc Racks, Record or Tape storage inserts. Call your PAS Representative for pricing.



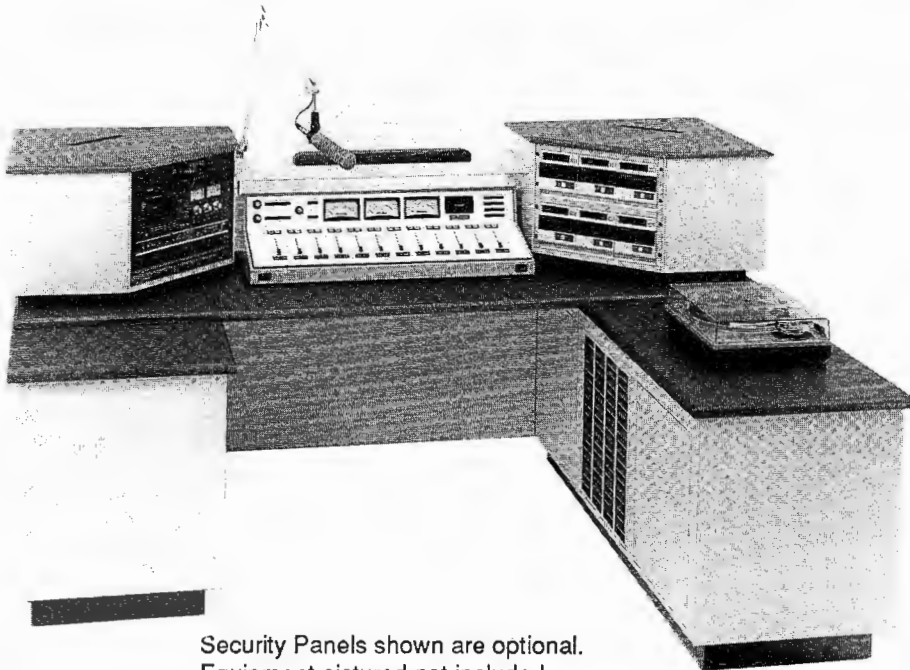
Model	Description	Dimension	Mfg List	PAS Price
IVSP	Single	25"x26"x29"	259.00	\$ _____
IVDP	Double	25"x49"x29"	385.00	\$ _____
IVTP	Triple	25"x64"x29"	485.00	\$ _____
Front Security Covers per Bay			45.00	\$ _____

STUDIO FURNITURE



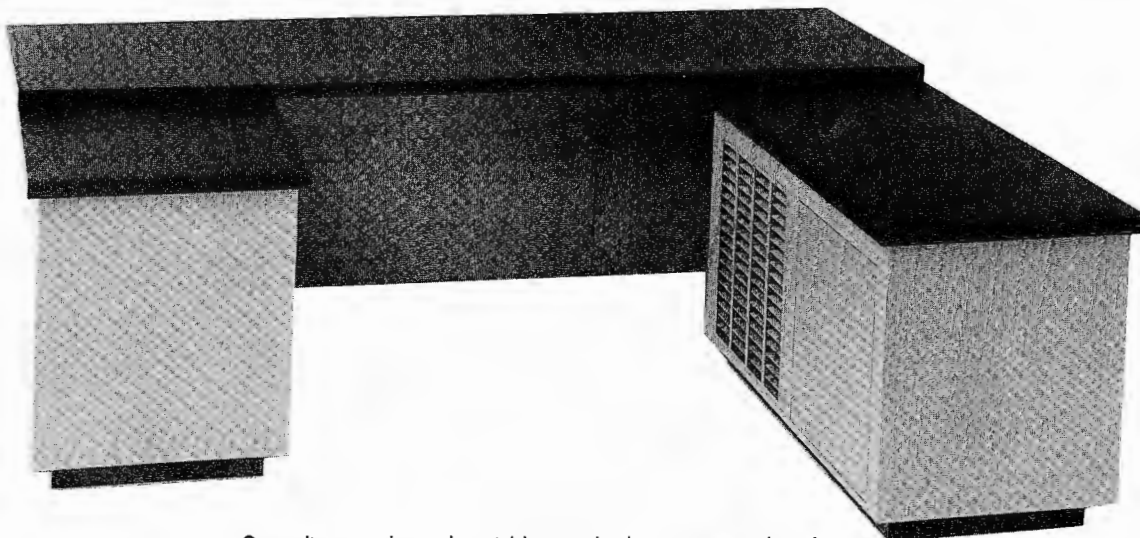
DIMENSION IV

CHALLENGER SERIES — Studio furnishing represent the highest quality of furnishing available today. Special attention has been paid to every detail including hand-rubbed black walnut accents, to assure this furniture will remain functional and beautiful for years to come. All **DIMENSION IV** furnishings are constructed from 1 1/4" and 3/4" High Density Particle Board covered with the highest grade laminate available. You can choose from over 100 color combinations to match any decor and custom configurations are available for any need you may have. The **CHALLENGER** features dual equipment turrets and a convenient over-bridge. All bases are fitted with 19" EIA standard rack rails, and cable runs are provided. You can't buy a better furniture system at any cost. We invite you to shop and compare.



Security Panels shown are optional.
Equipment pictured not included.

The **PRO-IV** Series furniture features the same quality design as the other **DIMENSION IV** furnishings, but is designed more for the budget-minded facility. The high-quality of construction has not been sacrificed to reduce costs, but this system does not include the turrets or overbridge as standard features, while still having rack rails and easy access panels. The access panels are all secured with 1/4 turn fasteners, allowing easy removal for maintenance. These units come partially assembled, with only minor installation time being required.



Security panels and cartridge rack shown are optional

FURNISHINGS WARNING LIGHTS



PAS

Large, bright, attention-getting warning light. The outside is white, then flashes red when the light is turned on. Uses a standard 25 watt red incandescent bulb (supplied) and is designed for easy surface mounting.

3636 PAS Price \$ _____ List.....55.95

ARCHITECTURAL SERIES



Enhance the environment of any broadcast application with the **ARCHITECTURAL SERIES** of warning lights. The series includes flat wall and wall or ceiling mounted models. Constructed of one piece die cast aluminum housing of 1/8" minimum wall thickness with no external hardware. The spring clip mechanisms firmly secure the directional panel to the housing eliminating light leaks. Recording Studio model features an attractive reel to reel logo with the word Recording in bold red letters.

33W6100	Flat Wall	List.....89.00
33E6200	Ceiling	List.....99.00
33P6200	Pendant	List.....129.00

CALL FOR PAS PRICING

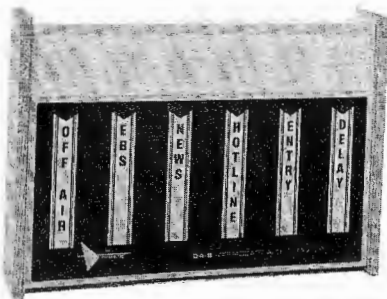
FIDELIPAC



The Studio lights from **Fidelipac** have brilliant red lettering on jet black background which can be seen even in the brightest ambient light conditions. Available in nine languages.

340 On Air	PAS Price \$ _____	List.....69.00
340 Record	PAS Price \$ _____	List.....69.00

ENBERG



The BA-6 addresses an area that until now, has been overlooked by manufacturers. That is a visual indication of the many 'alert' signals encountered in the typical broadcast control room. These alerts can be EBS rcvrs, TTY machines, weather bulletins, XMTR sight alerts (through your remote control), doorbells, burglar alarms, silence sensors, cue tones and others limited only by your imagination. In addition, any of the monitor's 6 channels has the capability to display telephone ringing voltage for hotlines, newsphones, etc. with the included interface module. The BA-6 will consolidate all of your station's alert signals into a single location and display them in an attractive package designed to enhance any studio's appearance.

BA-6	6 Alert Channels	List.....349.00
BA-6R	Remote Panel	List.....199.00
BA-12	12 Alert Channels	List.....699.00
BA-12R	Remote Panel	List.....299.00

**BUILDING A NEW STUDIO?
CALL PAS FOR A COMPLETE
STUDIO QUOTATION**

FURNISHINGS

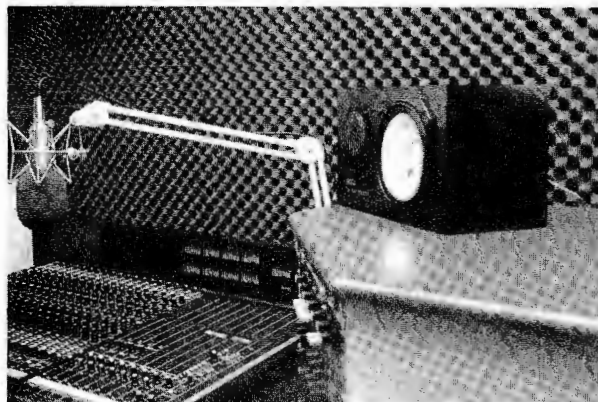
SOUNTEX

Convert that noisy reverberant room into an acoustically treated studio worthy of your finest production and recording. **SounTex** is a **SOUND** control **TEXTured** foam that meets the noise head on. SounTex is available in 2, 3 and 4 inch thickness to solve your most demanding sound problems in a cost effective way. Four attractive colors allow you to match your acoustical treatment with any decor. A big plus is the large **SounTex** sheets. Each big sheet is 54" x 96", 36 square feet, to make installation quick and easy. The attractive convoluted pattern is easy to install and with creative wall wash lighting and colored fill lights **SounTex** will enhance the decor of your studio. Although **SounTex** looks like some consumer products available in department stores, don't let the appearance fool you. The special foam used for **SounTex** is formulated for sound control applications. **SounTex** meets the UL94HF1 flammability test and conforms to ASTM 1692 to assure you of its suitability for use in your facility.

Colors: Classic Grey, Malt Beige, Chocolate Brown and Sea Blue

	2"
1 Sheet	44.95
2 - 8 Sheets	41.90
8+ Sheets	39.95

**ALSO AVAILABLE
IN 3 & 4 INCH.
CALL FOR PRICING**



HEADPHONES

AKG

The K141M Monitor headphone is a semi-open-air design which is used by many studios for monitoring.

Frequency Range: 20—20,000 Hz Impedance 600Ω

K141M PAS Price \$ _____ List.....100.00

K240M Monitor headphone is a semi-open air design with full range diaphragms

Frequency Range: 15—20,000 Hz Impedance: 600Ω

K240M PAS Price \$ _____ List.....120.00

The K240DF are acoustically diffuse field equalized according to the standard of the West German IRT (Institute for Broadcast.)

Frequency Range: 20—20,000 Hz Impedance: 600Ω

K240DF PAS Price \$ _____ List.....150.00

PAS CARRIES THE COMPLETE LINE OF AKG HEADSETS



BEYER DYNAMICS

The DT100K are reliable, comfortable headphones with a moderately spacious sound perspective and powerful, but not over emphasized bass response.

Frequency Range: 30—20,000 Hz Impedance: 400Ω

DT100K PAS Price \$ _____ List.....172.00

The Dynamic DT320MKII stereo headphones are lightweight, semi-open for hours of untiring listening. Soft removable ear cushions and an unbreakable headband adjusts for a snug fit.

Frequency Range: 20—20,000 Hz Impedance: 600Ω

DT320MKII PAS Price \$ _____ List.....82.95



HEADPHONES

FOSTEX



T-20RP is the most popular headphone from FOSTEX. The ear pad design is semi open making them comfortable for hours of easy listening.
Frequency Range: 50 Hz —30 kHz Impedance: 50Ω

T-20RP PAS Price \$ _____ List.....99.00

KOSS® stereophones



KOSS

The Pro4AA is a full range, dynamic stereophone that brings the excitement of live performance to recorded music like you've never heard before. The KOSS' virtually blow out proof driver elements use an efficient, fully enclosed magnet structure and a strong polyester diaphragm to provide a uniform, extended hi frequency range.

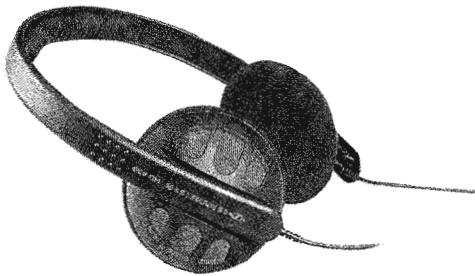
Frequency Range: 10—22,000 Hz Impedance: 600Ω

PRO4AA PAS Price \$ _____ List.....99.00

The Pro4/AAA Plus uses an extra large voice coil and oversized diaphragm to produce a digital ready Sound of KOSS.

PRO/4AAA Plus PAS Price \$ _____ List.....70.00

SENNHEISER



Successor to the HD414 the HD450 provides higher output and improved accuracy using neodymium-iron magnets.

Frequency Range: 20—20,000 Hz Impedance: 70Ω

HD450 PAS Price \$ _____ List.....89.00

The HD490, the successor to the HD420 series has a cushioned headband and improved acoustical accuracy using neodymium-iron magnets.

Frequency Range: 20—22,000 Hz Impedance: 70Ω

HD490 PAS Price \$ _____ List.....119.00



The HD540 Reference headphone has unexcelled frequency, transient, dynamic performance. Ultra-low distortion. Whirl-shaped diaphragm, neodyme-ferrous magnet and digital compatible.

Frequency Range: 16—25,000 Hz Impedance: 600Ω

HD540 PAS Price \$ _____ List.....199.00



The HD250 is a linear, digitally compatible, sealed headphone. Designed to meet the stringent demands of the professional it incorporates the driver element technology as the HD540, including an aluminum voice coil and neodyme-ferrous magnet.

Frequency Range: 10—25,000 Hz Impedance: 600Ω

HD250 PAS Price \$ _____ List.....225.00

YAMAHA



YAMAHA RH-5M monitor headphones more than fulfill the most important requirements, extraordinary reproduction precision and fatigue free comfort even when monitoring for extended periods.

Frequency Range: 20Hz - 20kHz Impedance: 32Ω

RH5M PAS Price \$ _____ List.....45.00

HEADSETS

AKG

The AKG K-18 Ultra Lightweight Boom Set consists of two monophonically connected dynamic earphones and boom arm with noise-cancelling dynamic microphone. Includes form ear cushions and 3' non-detachable cord.

Headphone Imp: 4-300Ω

Mic Imp: 200Ω

K-18 PAS Price \$ _____ List.....85.00



BEYER DYNAMICS

The DT109K is a field proven rugged dynamic headset. The headphone transducers feature extended frequency response. Adjustable, noise cancelling mic provides clear audible speech transmission.

Headphone Imp: 400Ω

Mic Imp: 200Ω

DT109K Dual Muff List.....232.00
 DT108K Single Muff List.....193.00

CALL FOR PAS PRICING



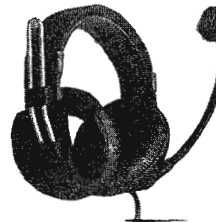
FOSTEX

T-45RP, a boom microphone headset that's both good sounding and comfortable. The right ear pad has a hole where the left ear pad transducer is located, so you can hear cues from the left and live from the right.

Frequency Range: 30Hz - 40 kHz

Impedance: 50Ω

T-45RP PAS Price \$ _____ List.....230.00



SENNHEISER

One of the most popular and comfortable headsets made, the HMD224 is equipped with dynamic closed speaker systems and a dynamic microphone. The custom tailored directional pattern angled towards the speakers mouth guarantees optimum voice pick-up.

HMD224 PAS Price \$ _____ List.....295.00



SHURE

The SM2 is a professional headset with a close-talking dynamic cardioid microphone and dual ear headphones. The microphone element is designed for excellent rejection of noise and unwanted sounds. Large pillow soft ear pads for external noise isolation.

SM2 Dual Ear List.....230.00

The SM10A-CN has an adjustable close-talking dynamic microphone element providing great isolation and minimal feedback problems.

SM10A-CN Dual Ear List.....149.00
 SM12A-CN Single Ear List.....206.00

CALL FOR PAS PRICING ON SHURE HEADSETS



PAS CARRIES THE COMPLETE LINE OF HEADSETS AND REPLACEMENT PARTS FOR AKG, BEYER, FOSTEX, SENNHEISER AND SHURE

TELEX

The PH-91 full cushion Announcer's Headset from TELEX has been a favorite of professional announcers. Ideal for studio or on location sports broadcast from the press box or even from the high noise environment of the playing field. The 'flavor' of the crowd noise can be controlled by the proximity of the microphone to the mouth. Both earphone and mic elements are field replaceable.

PH-91	300 Ω Binaural	List.....205.00
PH-92	6000 Ω Binaural	List.....246.75

Television and radio announcers and sportscasters have never before experienced such comfort in a professional headset as with the PH-24. Its miniature noise cancelling electret microphone provides an extremely flat frequency response of user's voice with significantly attenuated background noises.

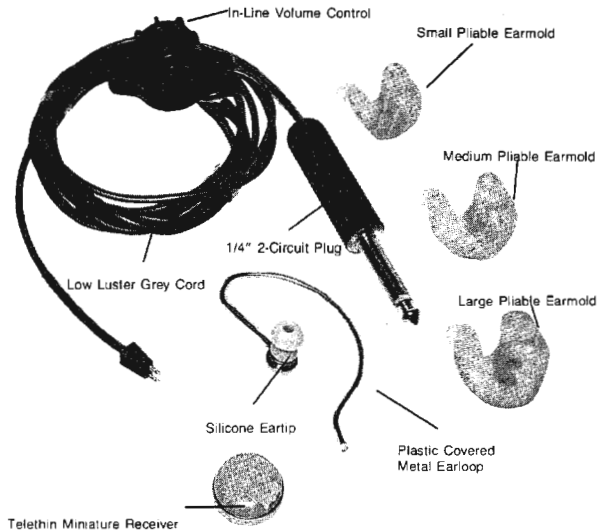
PH-24	Monaural	List.....231.00
PH-25	Binaural	List.....267.75

CALL FOR PAS PRICING ON TELEX HEADSETS

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, you can construct a version of the Earset that best suits you particular needs.

PAS CARRIES A THE FULL LINE OF EARSET COMPONENTS ALONG WITH REPLACEMENT PARTS FOR ALL TELEX HEADSETS

- CORDS WITHOUT VOLUME CONTROL**
High flex cord, 5' (1.52 m) long in neutral grey, single, tamper-proof jacket.
- CMT-2** Standard cord with 0.25" (6.35 mm) dia. plug
Catalog No. 60013-000
- CMT-92** Cord with miniature right angle phone plug
140" (3.56 mm) dia.
Catalog No. 60013-013
- CMT-98** Cord with miniature straight phone plug
140" (3.56 mm) dia.
Catalog No. 60013-015
- CCT-2** Coiled cord, 5' (1.52 mm) extended, 0.25" (6.35 mm) dia. plug.
Catalog No. 19652-000
- CMT-95** Cord with miniature straight 0.97" (2.46 mm) dia. plug.
Catalog No. 60013-073
- CORDS WITH VOLUME CONTROL**
With clothing clip on control, 5' (1.52 m) long, Standard 0.25" (6.35 mm) dia. plug.
- VXT-3** 500 ohms
Catalog No. 19616-001
- VYT-3** 2000 ohms
Catalog No. 19616-000
- TELETHIN® RECEIVERS**
RTR-94 15 ohm
Catalog No. 60012-000
RTV-94 125 ohms
Catalog No. 60012-003
RTW-94 500 ohms
Catalog No. 60012-005
RTX-94 1000 ohms
Catalog No. 60012-007
RTY-94 2000 ohms
Catalog No. 60012-009
- EARMOLDS**
EML-1 Large, Right Ear
Catalog No. 35401-014
EML-2 Large, Left Ear
Catalog No. 35301-019
EMM-1 Med., Right Ear
Catalog No. 35401-012
EMM-2 Med., Left Ear
Catalog No. 35401-017
EMS-1 Small, Right Ear
Catalog No. 35401-010
EMS-2 Small, Left Ear
Catalog No. 35401-015
- EARTIP**
ET-1 Soft silicone tip
Catalog No. 35608-000
- EARLOOP**
Fits ear tip and all Telethin Receivers
AEF-2 Plastic covered metal
Catalog No. 09252-000
AEF-3 Nylon
Catalog No. 18304-000



HEADPHONE AMPLIFIERS

See AMPLIFIERS Pages 3 and 4

INTERCOMS

HME

The HME 150 Series provides the maximum in system flexibility to satisfy the most demanding communication needs. Each MT-1000 Remote Transceiver transmits to the IC-150 Base Station on a separate frequency. At the base station, the audio from each is mixed and retransmitted on a single frequency, which is received by each MT-1000. It can also be interfaced directly with many hardwired intercom systems.

**PAS CARRIES THE FULL LINE OF HME PRODUCTS
CALL FOR PAS PRICING ON HME INTERCOMS**



RTS SYSTEMS

The TW Intercom System is a high performance conference-line intercommunications system that features over 25 different components and accessories to allow an almost infinite variety of system configurations. The system operates in a full duplex mode, simultaneous talk and listen, to and from each user station. While a minimum of two user stations and a power supply are required for communications, up to 75 user stations can be employed.

CALL FOR PAS PRICING ON RTS SYSTEMS



TELEX

TELEX Audiocom Systems advances the standards of the intercom industry. All components were designed for the 'worst case' treatment. Heavy gauge metal cases protect circuitry and provide shielding against EMI and RFI. The controls on belt-pack units are recessed to avoid damage or inadvertent switching. The system operates economically with very low power, but tolerates a wide range of supply voltage from 12V to 30V. The units are modular and easily installed with simple wiring and standard connectors for short or long distances, even exceeding five miles. The headset stations are compact units designed for convenient belt-pack portability.

CALL FOR PAS PRICING ON THE AUDIOCOM SYSTEMS



The BTR-200 is a four channel base station repeater with four receive channels and one common transmit channel. It includes one 5/8 wave receive and one 1/4 wave transmit antenna. Four belt pack headset stations can be operated in a full duplex network from one BTR-200 and two BTR-200 base stations can be connected to create a larger network of belt pack headset stations. Radiocom is fully compatible with most wired intercom systems.

CALL FOR CONFIGURATION AND PRICING



LET A PAS
REPRESENTATIVE
HELP YOU WITH ALL
YOUR INTERCOM
NEEDS

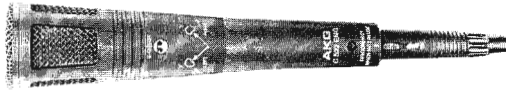
MICROPHONES

AKG



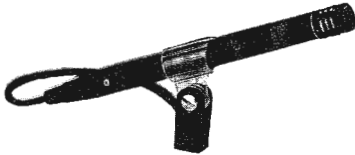
The C414 is a large diaphragm mic with four selectable polar patterns which has been used for years as an all purpose studio microphone for vocal and instrument recording. The levels it will reproduce distortion free are extremely high for a condenser microphone. The C414B-TL is the transformerless version.

C414B/ULS PAS Price \$ _____ List.....1045.00
 C414B/TL PAS Price \$ _____ List.....1255.00



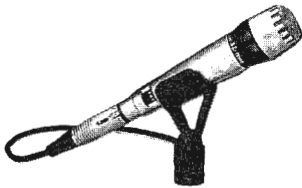
The C522 is a simple and professional tool for making excellent stereo features, interviews, music recordings etc. Connects to all types of recorders (with balanced or unbalanced inputs). For hand held or stand mounted applications. Two condenser cardioid capsules angled at 90° for XY stereo. Cable connector doubles as automatic on/off switch. Rechargeable battery/phantom powering. Battery charging either by commercial charger or from phantom power during operation.

C522 PAS Price \$ _____ List.....995.00



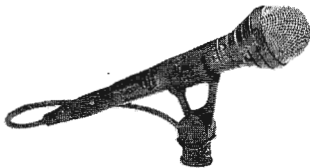
The C451EB+CK1 has become a studio standard microphone. Preferred applications include acoustic instruments such as cymbals, grand piano, string instruments. Being rugged, it is frequently used on stage for overheads, hi-hat or snare drum.

C451EB+CK1 PAS Price \$ _____ List.....495.00



Proven, rugged, cardioid instrument mic the D1200E was introduced as a vocal mic and has become more and more popular with horn players. It is a reliable standard mic for wind instruments and often used for the snare drum too.

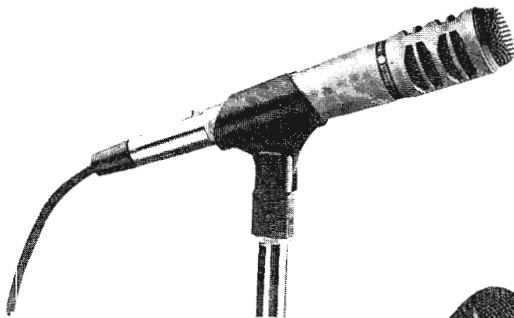
D1200E PAS Price \$ _____ List.....250.00



The top of the line AKG vocal mic the D330BTMKII is extremely rugged due to strong wire mesh cap with internal reinforcement structure, and a die cast case. Features a plug in transducer element, with switchable bass cut and presence boost. The response of the D330 has been specifically tailored to the front-man's requirements. Hypercardioid polar pattern for high gain before feedback makes it a recommended mic for feedback prone situations.

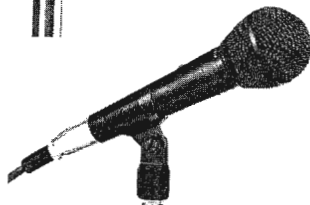
D330BTMKII PAS Price \$ _____ List.....250.00

AUDIO-TECHNICA



The model AT836 is a wide range moving coil dynamic microphone with a cardioid or unidirectional pickup pattern. It is designed for use by professional recording and broadcasting studios and for serious amateur recording, high quality sound reinforcement, and other demanding voice and music sound pickup situations. It features a balanced low-impedance output and a professional quality cable connector.

AT836 PAS Price \$ _____ List.....282.00



The A-T model PRO4L is a moving coil dynamic microphone designed specifically for close-up vocal and instrumental use. Despite its modest cost, the PRO 4 offers unusually smooth response and uniform off-axis rejection of unwanted sound from its cardioid (unidirectional) pickup pattern.

PRO4L PAS Price \$ _____ List.....155.00

MICROPHONES

AUDIO-TECHNICA

The model AT803b is a subminiature electret condenser microphone intended to be worn on the clothing of performers for excellent yet unobtrusive sound pickup. The wide-range capability of the AT803b insures clean, accurate reproduction with high intelligibility for lecturers, singers, stage and TV performers.

AT803b PAS Price \$ _____ List.....233.00

The model AT815R is a wide range electret condenser microphone with a unidirectional polar pattern specifically designed for the narrow acceptance angle desirable for long distance sound pickup. It was created for use in professional recordings, broadcasting and film/TV sound.

AT815R PAS Price \$ _____ List.....632.00

The AT825 XY stereo field recording microphone has wide range, closely matched condenser elements for spatially accurate stereo recordings. A few of the many features are element orientation optimized for full mono compatibility, exclusive wave-molded ultra low mass diaphragm material for excellent transient response, shock mounted elements for reduced handling noise and increased reliability, phantom or battery powered.

AT825 PAS Price \$ _____ List.....665.00

The AT857 is a wide range quick mount gooseneck condenser microphone with a unidirectional (cardioid) polar pattern. It was designed for quality sound reinforcement, professional recording, television and other demanding sound pickup situations. It is available in two mounting configurations and two lengths. The AT857QM features a 3 pin male connector insert at its base, allowing it to be plugged directly into a 3 pin panel jack connector. The AT857AM has a threaded flange to connect with a standard desk or floor stand.

AT857AMa PAS Price \$ _____ List.....475.00
AT857QMa PAS Price \$ _____ List.....415.00

PAS CARRIES THE FULL LINE OF
AUDIO TECHNICA MICROPHONES

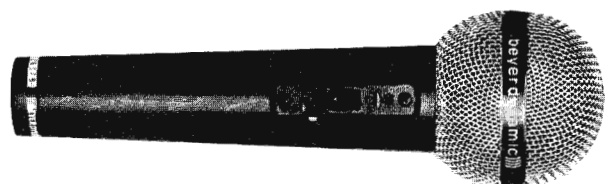
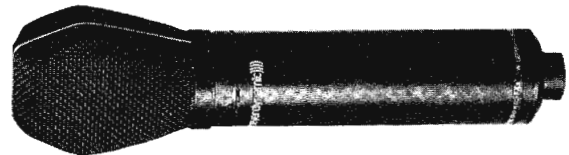
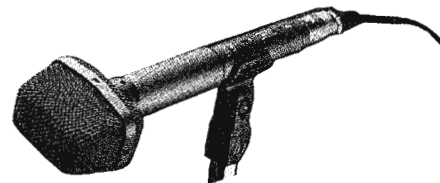
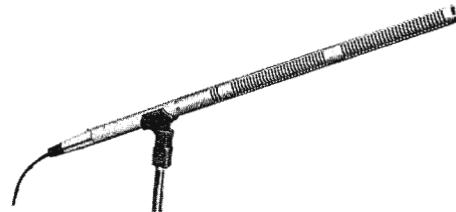
BEYER

The MC740N(C)P48 is a studio quality condenser microphone with frequency independent, switch selectable directional patterns: omni-directional, wide cardioid, cardioid, hypercardioid, bidirectional. Among other features are uniform frequency response independent of polar pattern and switch controlled preattenuation of 10 dB for high sound pressure levels.

MC740N(C)P48 PAS Price \$ _____ List.....1549.95.

The M500 is a dynamic directional microphone with hypercardioid characteristics. It is a high quality ribbon mic for vocal soloists with rising frequency response curve for optimum voice reproduction and vocal presence and extremely low feedback.

M500N(C) PAS Price \$ _____ List.....329.95



MICROPHONES

BEYER



The M58N(C) omnidirectional moving coil microphone has been specifically designed to satisfy the demands of electronic news gathering (ENG) and electronic field production (EFP) applications in broadcast industry. Its internal shockmount dramatically reduces undesirable handling noise.

M58N(C) PAS Price \$ _____ List.....199.95

CROWN



The new CROWN CM series hand-held microphones represent new approaches in solving old problems. The CM200 is a cardioid condenser microphone for smooth, good sound.

CM200 PAS Price \$ _____ List.....209.00



The PZM-30R is engineered to have slightly accentuated or rising high frequency response that is often preferred for increased clarity and articulation in both near and distant recordings. The miniaturized electronics are concealed in the cantilever allowing them to be directly simplex phantom powered.

PZM-30R PAS Price \$ _____ List.....349.00



The SoundGrabber with a built in interface was designed for music or voice work such as recording conferences, dictation and news gathering. Powered by 1 AA battery included along with a 10' cable with mini plug and 2 adapters. SoundGrabber has unbalanced high impedance output.

SoundGrabber PAS Price \$ _____ List.....99.00



The CROWN SASS™ -P or Stereo Ambient Sampling System™ is a patented, stereo condenser microphone using PZM technology. It is a mono-compatible, near coincident array designed for professional applications including E.N.G., sports ambience and crowd reaction, stereo sampling for keyboards, stereo sound effects.

SASS-P PAS Price \$ _____ List.....899.00



The PCC-200 is the world's first microphone with self-contained gating circuitry. It turns on (gates on) when you speak into it, and turns off (gates off) during pauses in speech. In multi microphone applications, only the microphone(s) in use will be on. This reduces the number of open microphones, which greatly improves clarity, increases gain-before-feedback, and reduces ambient noise. Since the PCC-200 can be plugged into a standard non-gated mixer, the cost of a PCC-200 is less than that of an equivalent conventional microphone and a channel of an automatic gated mixer.

PCC-200 PAS Price \$ _____ List.....329.00

PAS CARRIES THE FULL LINE OF CROWN MICROPHONES

**ONE CALL DOES IT ALL
FOR YOUR MICROPHONES
AND ACCESSORIES
800 433-7668**

MICROPHONES

ELECTRO-VOICE

The **ELECTRO-VOICE** model 635A is a dynamic, omnidirectional microphone designed for exacting professional applications, and is ideally suited for film production, recording, FM, AM, and TV broadcasting and the more demanding PA applications. Also available in a six-pack package no clip or cable included.

The RE10 is a Variable-D dynamic cardioid mic created specially for professional applications requiring a sharply controlled super cardioid directional pattern. The RE11 has the same features as the RE10 and also has a built-in blast filter which allows close-up hand held use without "p-popping" and also allows outdoor use without excessive wind noise.

The E-V model RE15 is a Variable-D dynamic cardioid microphone created specially for the most exacting professional applications. It features a degree of directional control so effective that frequency response is virtually independent of angular location of sound source. The RE16 is like the RE15 except that it uses a unique blast filter as in the RE11.

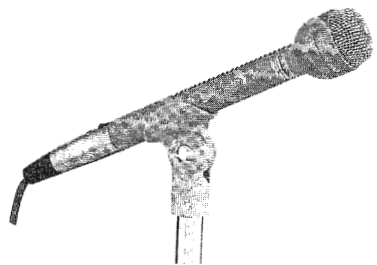
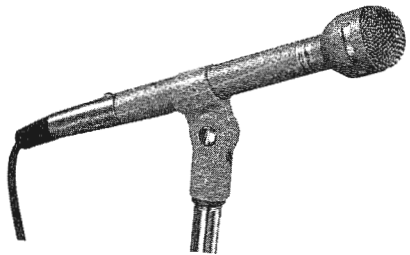
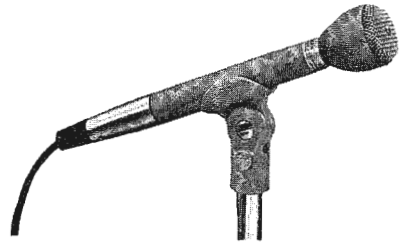
The model RE18 is a shock isolated Variable-D dynamic super-cardioid microphone created for the most exacting professional use. The transmission of hand, stand, and mechanically generated lectern noises is sharply reduced, making the RE18 ideally suited for broadcasting and high quality sound reinforcement.

The **ELECTRO-VOICE** RE50 is a specially shock-isolated, omnidirectional, dynamic microphone created for the most exacting professional applications. A triumph in shock-mounting techniques, it was designed particularly for hand-held broadcast and sound reinforcement use. All handling noises, clothing noises and even cord shock and vibration are isolated from the microphone element so effectively that almost no vibration is amplified. The RE50 offers a degree of isolation from shock never before known in the microphone industry.

635A	PAS Price \$ _____	List.....139.00
635A 6 PACK	PAS Price \$ _____	List.....704.00
RE10	PAS Price \$ _____	List.....234.00
RE11	PAS Price \$ _____	List.....249.00
RE15	PAS Price \$ _____	List.....349.00
RE16	PAS Price \$ _____	List.....365.00
RE18	PAS Price \$ _____	List.....382.00
RE50	PAS Price \$ _____	List.....207.00

The RE38N/D incorporates the high sensitivity of N/DYN with inherent low noise of a dynamic microphone, insuring a superior signal-to-noise ratio. The extended high frequency response and 16 position equalization switch allows great flexibility in attaining the desired sound in any situation. The RE38N/D utilizes DynaDamp™, an exclusive and extremely effective vibration-isolation material that eliminates the need for large external shockmounts.

RE38N/D	PAS Price \$ _____	List.....552.00
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**PAS CARRIES THE FULL LINE OF E-V
ACCESSORIES FOR ALL YOUR
MICROPHONE NEEDS**

MICROPHONES

ELECTRO-VOICE



The E-V model RE20 is a professional quality dynamic cardioid microphone created especially for recording, broadcast, and sound reinforcement applications requiring essentially flat response over a very wide frequency range. The wide frequency response, coupled with excellent transient response, makes the RE20 easily comparable to the finest condenser cardioid microphones.

RE20 PAS Price \$ **295.00** List.....525.00



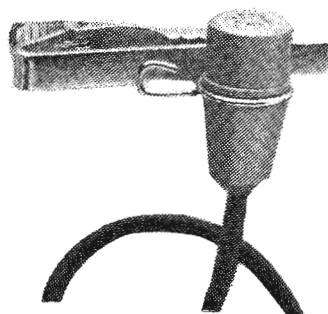
The RE27N/D utilizes the time proven Variable-D design concepts pioneered by the legendary RE20 and incorporates N/DYM technology to create a dynamic microphone that exhibits higher output and even wider frequency response than the industry standard RE20. The Continuously Variable-D design reduces bass-boosting "proximity effect" to maintain a uniform low frequency response, up close or at a distance.

RE27N/D PAS Price \$ _____ List.....750.00



The RE45N/D is a dynamic shotgun microphone especially designed for handheld use though it may be boom or stand mounted and includes a switchable 250 Hz high pass filter to further reduce wind and handling noise. Weighing less than eight ounces it is supplied with a removable Warm Grip handle for ease in holding.

RE45N/D PAS Price \$ _____ List.....429.00



The CO90 is a miniature omnidirectional electret condenser mic designed to be worn as a lavalier, it uses a tie clasp bar to attach to the user's clothing. It is supplied as two separate assemblies — mic element and battery/transformer housing.

CO90 PAS Price \$ _____ List.....195.00



The N/D Series mics put more power in your performance. To get more out of a mic E-V began by putting more in. First they chose a *neodymium* alloy, a rare earth supermagnet, with four times the power of conventional microphone magnets. Then to use this strength to full advantage E-V designed a magnet structure more precise and powerful than larger designs to boost output by channeling all the power directly to the gap. There are four vocal and two instrument mics for you to choose from.

N/D757	Supercardioid	List.....330.00
N/D457	Hypercardioid	List.....256.00
N/D357	Supercardioid	List.....206.00
N/D257	Cardioid	List.....152.00
N/D408	Supercardioid	List.....258.00
N/D308	Cardioid	List.....222.00
ND857	Supercardioid	List.....450.00

**PAS
YOUR
COMPLETE
AUDIO
SOURCE**

MICROPHONES

NEUMANN

The TLM170(mt) condenser studio microphone is provided with a transformerless circuitry. Five directional characteristics may be user selected. May be operated from 48V or 24V phantom source without switchover.

The U89i studio microphone has a rotary switch beneath the grille permitting selection of one of 5 directional patterns. This makes it extremely adaptable to a range of applications.

TLM170(mt) PAS Price \$ _____ List.....2295.00
 U89i PAS Price \$ _____ List.....2195.00

**PAS CARRIES THE ENTIRE LINE OF NEUMANN PRODUCTS
 PLEASE CALL FOR MORE INFORMATION**



SENNHEISER

The MD421U is a dynamic microphone with cardioid pick-up pattern. With an adjustable 5 stage bass control it can cope with the most diverse recording situations. It therefore satisfies the highest professional demands in any application.

MD421U PAS Price \$ _____ List.....469.00

Designed with ruggedness in mind, this dynamic microphone begs to be used on the road as well as in studio applications. With its all metal construction and hardened steel basket as well as a spring suspended microphone element, the MD 422 holds up to rough treatment and even survives an occasional drop.

MD422 PAS Price \$ _____ List.....569.00

Without a doubt the MD441U is the best dynamic microphone SENNHEISER has ever made. It actually outperforms many condenser mics on the market today.

MD441U PAS Price \$ _____ List.....629.00

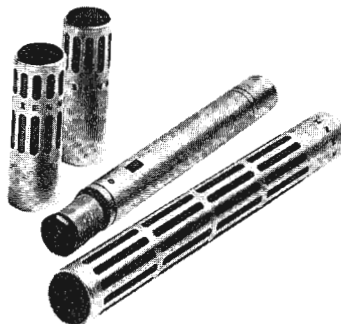
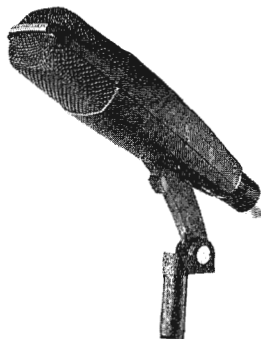
With the modular electret system from SENNHEISER separate capsules and powering modules can be combined to produce a wide variety of microphones. You can convert from one type of mic to another by simply threading together various system components. Output of all powering modules is balanced, low impedance (200Ω) and terminates in a standard 3 pin XLR connector. Please call for specific details and pricing on the system custom tailored for your use.

K3U Power Module List.....245.00
 ME20 Omnidirectional Mic Capsule List.....135.00
 ME40 Supercardioid Mic Capsule List.....185.00
 ME80 Short Shotgun Capsule List.....269.00
 ME88 Spot Shotgun Capsule List.....350.00

CALL FOR PAS PRICING

The MKE300 was developed to support the excellent video capabilities of most camcorders with the superior audio they deserve. The electret condenser microphone element delivers sonic clarity and high output. Ideally suited for mounting on camcorders with an integrated shoe assembly, the MKE300 is compact and extremely lightweight.

MKE300 PAS Price \$ _____ List.....225.00



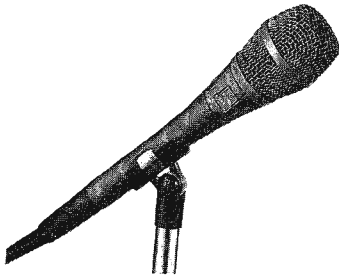
MICROPHONES

SHURE



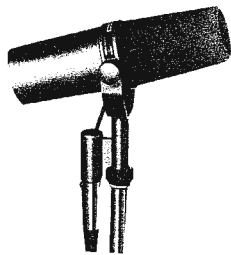
The SM57 is the workhorse microphone of stages and studios worldwide. Great for interview use also. The SM58 weighing less than 11 ounces, is a rugged microphone often imitated in appearance but never duplicated in performance. First choice of professional performers it is a world standard stage microphone.

SM57LC PAS Price \$ _____ List.....141.25
 SM58LC PAS Price \$ _____ List.....181.50



For vocalists who want extra brightness and punch from a microphone the SM85's pronounced presence boost makes it an extremely popular choice for TV and video production. The SM87 features a smooth frequency response that's specially tailored for warm, rich vocal reproduction.

SM85LC PAS Price \$ _____ List.....305.00
 SM87LC PAS Price \$ _____ List.....329.00



The SM7 is extremely popular for radio and television work, especially voice-over recording. Unique graphic tailoring switches permit the choice of four different response curves. A highly professional shotgun condenser mic, SM89 is specially designed for location film and TV production, theater sound reinforcement and spot news coverage. It is the first shotgun mic to overcome the problem of off-axis coloration.

SM7 PAS Price \$ _____ List.....550.00
 SM89 PAS Price \$ _____ List.....900.00



For those who need a dynamic lavalier microphone the SM11 is the smallest model available. SHURE ruggedness and dependability in a microphone no longer than a paper clip.

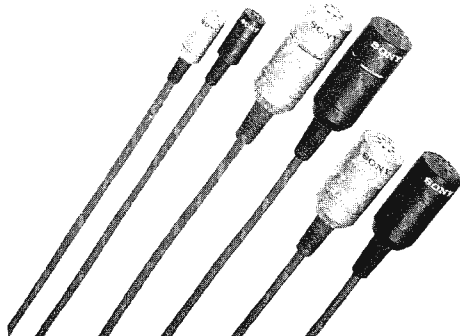
SM11CN PAS Price \$ _____ List.....113.00



This single-point MS stereo condenser microphone is unique in its ability to capture all of the realism and drama of "being there" while being able to withstand the punishment of daily use in rigorous production environments. The VP88 incorporates a forward-facing cardioid Mid capsule, a perpendicular bidirectional Side capsule and a built-in stereo matrix to provide wide, natural, uncolored response for optimal stereo imaging. Yet it is 100% mono compatible.

VP88 PAS Price \$ _____ List.....995.00

SONY



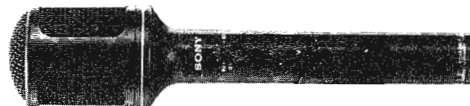
Designed with the best SONY advanced technology, The ECM-77 is the smallest and lightest of the lavalier series. The uni-directional ECM-66 is the answer to the specific demand for contact miking of musical instruments. The ECM-55 incorporates an omni-directional capsule for extra versatility while the ECM-44 offers improved performance at less cost. Pigtail versions are available for wireless applications. Please call for pricing.

ECM77B PAS Price \$ _____ List.....349.00
 ECM66B PAS Price \$ _____ List.....349.00
 ECM55B PAS Price \$ _____ List.....309.00
 ECM44B PAS Price \$ _____ List.....199.00

MICROPHONES

SONY

The ECM-MS5 is superb microphone in its own right. Combining the best of SONY's microphone technology with the convenience of MS design, it enables top-quality stereo miking with true-life dimensions. The extremely robust, vibration proof structure is fit for use anywhere, whether in the field or on the run. The easy-to-hold hand grip offers a stereo image selector and a low-cut switch for instant sound control at hand. And for all this, the ECM-MS5 is compact, light and affordable, too.



ECM-MS5 PAS Price \$ _____ List.....1249.00

PARABOLIC MICROPHONES

DAN GIBSON

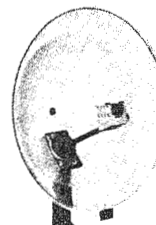
The EPM Parabolic Microphones are high performance uni-directional microphones perfectly suited to the requirements of the broadcast industry, tape recording, monitoring and other professional or semi-professional applications. The EPM is one of the most directional microphones ever produced, making it possible to record without having the microphone anywhere near the subject being recorded. The P650 is the most advanced unit available. It can be used separately for listening without use of a tape recorder. Complete with built-in microphone capsule, equalizer-amplifier in handle, earphone, aiming sights, music and effect/voice switch and vinyl carrying case. The P200 is a non-electronic model.



P650 PAS Price \$ _____ List.....599.00
 P200 PAS Price \$ _____ List.....399.00

SONY

The SONY PBR-330 focuses sound waves to a microphone with a diameter of 5/8" to 1 1/8". Frequency response range of 500-20,000 Hz. Effective sound pickup angle approx. 26°. Microphone not included.



PBR-330 PAS Price \$ _____ List.....89.00

WIRELESS MICROPHONES

AUDIO TECHNICA

Introducing two serious new contender for the best value in wireless microphones. These Audio Technica wireless systems compete head-to-head in both cost effectiveness and performance with the finest wireless units available. Although new, the A-T wireless systems have literally years of development and prototype testing behind them. Their reliability has been amply proved in demanding field tests and in the lab. And every detail has been refined to assure performance that meets your highest personal standards.



SYSTEMS START AT \$ 710.00

WIRELESS MICROPHONES

HME

The System 50, designed expressly for the church, theater, professional entertainment and broadcast markets features HME's new NRX-II noise reduction circuitry. Dual-frequency selection on the body-pac transmitter, and the state of the art Switching Diversity Receiver, make this the best choice for the serious performer. System includes Transmitter, Receiver, Connector, AC Adapter, Belt Clip and Antennas.

System 50 PAS Price \$ _____ List1186.00



System 55 features NRX-II circuitry for crisp, clear audio. A new RF link greatly improves the capture ratio for dropout free performance. The specially designed handheld has a mic-mute switch with lockout, auto-lock for the power switch and low battery LED indicator. System includes Transmitter with Mic Element, Receiver, AC Adapter, Mic Clamp and Antennas and Vinyl Bag for transmitter.

System 55 PAS Price \$ _____ List1202.50

SAMSON

The first truly affordable VHF system equipped with dbx noise reduction, **SAMSON** Stage II brings the world's most advanced wireless technology within everyone's budget. Stage II features ultra-reliable **SAMSON** VHF performance, road-proven on major stages throughout the world. You have a choice of hand-held, instrument or lavalier formats.

Stage II systems start at \$ 395.95

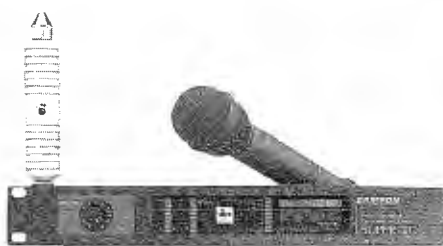
Call for PAS Pricing



Broadcast STD is the only system with 10 selectable frequencies in the receiver and transmitter, full RF monitoring and dbx Noise Reduction. It is designed to provide superlative audio and fail-safe reliability in any type of setting, anywhere in the world, every time you use it. Features 10 selectable digitally synthesized channels in both the receiver and transmitter which can be easily selected using the BR-3 receivers extensive RF monitoring capability on the front panel.

Systems start at \$ 1934.95

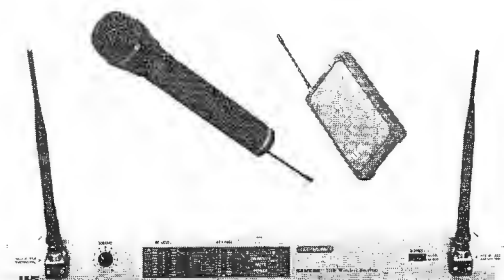
Call for PAS Pricing



The primary design objective for the Super TD system was to achieve the best possible reception and audio performance in any type of RF environment. The RX-3 receiver achieves exceptional sensitivity through the use of **SAMSON's** unique Cavity Tuned design. It also includes discriminating true diversity circuitry and world-renowned dbx Noise Reduction to achieve expanded dynamic headroom and superior audio performance for critical music performance, broadcast and commercial applications.

Systems start at \$ 1179.95

Call for PAS Pricing



An engineering marvel, the UR-4 receiver operates in the higher "blue sky" UHF frequency bandwidth of 944-952 MHz. There's a lot less traffic in this bandwidth, so RF interference and noise are kept to an absolute minimum. And when you couple that reception with the discriminating true diversity circuitry and dbx Noise Reduction, the result is nothing less than spectacular wireless performance in nearly all RF environments. This is the first system to make world-class professional UHF a realistic option for all kinds of wireless users.

Systems start at \$ 1995.00

Call for PAS Pricing

WIRELESS MICROPHONES

TELEX

By utilizing a new IC developed for the cellular telephone industry, **TELEX** took a truly revolutionary approach to the design of an economy wireless microphone system. While this new IC and its straight line audio architecture offer the economy and reliability of reduced parts and simple assembly techniques, its real value to the user is audio quality. **TELEX** offers a computerized service which selects, at no cost, an interference-free frequency based on known channel allocations in your operating area.

FMR-50	Hand-Held System	List.....810.00
	Lapel System	List.....810.00
FMR-2	Hand Held System	List.....1160.00
	Lapel System	List.....1160.00
ENG-4	Hand-Held System	List.....2500.00
	Lapel System	List.....2545.00
FMR25	Hand-Held System	List.....600.00
	Lapel System	List.....465.00
FMR25TD	Hand-Held System	List.....735.00
	Lapel System	List.....600.00

CALL FOR PAS PRICING ON ALL TELEX WIRELESS SYSTEMS



VEGA

VEGA Pro 1 Series wireless systems has eight standard configurations to match virtually any application and can operate on any crystal-controlled frequency from 150 to 216 MHz at a range of up to 1200 feet. Dynex II audio processor give the highest signal to noise ratio, widest dynamic range and most natural sound.

The **Ranger 2** is a true dual-receiver diversity wireless microphone system combining superb performance with ease of operation and crisp, clear, solid audio at affordable prices. Operation is clean and clear up to 100 feet, line of sight, between transmitter and receiver.

Pro 1	Bodypack	List.....1718.00
Pro 1	Hand Held	List.....1962.00
Ranger 2	Bodypack	List.....1425.00
Ranger 2	Hand Held	List.....1510.00

CALL FOR PAS PRICING ON ALL VEGA WIRELESS SYSTEMS



MICROPHONE ACCESSORIES

MIC ARMS

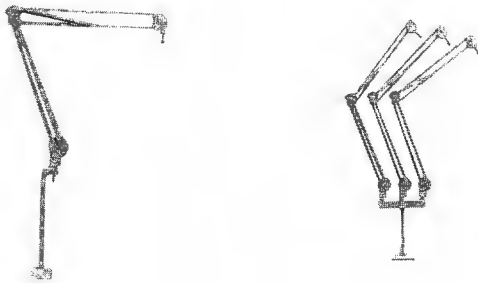
LUXO, the leader in microphone booms offer 41" reach to clear the console or copy stand. With 2 versions available **LUXO** can hold the lightest mic to the heaviest. The **LM-1** holds mics up to 1 lb while the **KM-1** is designed for mics up to 3 lbs. You have a choice of portable, wall or permanent bracket. If you need to clear a console or equipment the optional 12" riser is available.

LM-1	PAS Price \$ _____	List.....70.00
KM-1	PAS Price \$ _____	List.....85.00
31091	Heavy Duty Springs PAS Price \$ _____	List.....8.50
PAS 12	12" Riser PAS Price \$ _____	List.....35.00



MICROPHONE ACCESSORIES

MIC ARMS



O.C. White mic arms have long been considered by many as the premium mic arm featuring heavy construction and oversized pivots for strength. There is even a triple unit for use in talk show or interview situations. All include a 12" riser.

M2MDU	Single Unit Grey	List.....98.95
M2MDUB	Single Unit Black	List.....106.95
MJRM1JR	Single Unit Grey Lightweight	List.....89.95
Triple Unit		List.....313.95

CALL FOR PAS PRICE

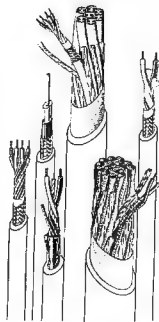
MIC ARM RISER



Rise above the clutter with a PAS 12" riser. This attractive sturdy riser will fit any popular mic arm or copyholder. Oyster, Gloss Black or Dove Gray finish available.

PAS 12	PAS Price \$ _____	List.....35.00
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CABLE



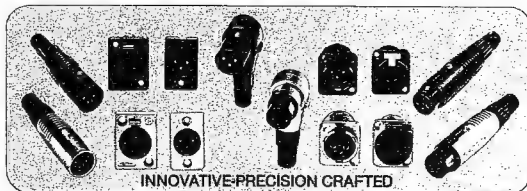
PAS carries the full line of CANARE cables from mic/line cable, multiple pair snake cables as well as CANARE speaker wire. CANARE video and remote video/audio cable is recognized as the industry leader.

Call PAS for application and pricing on the CANARE cable for your next installation.

The cable you use to interconnect your multitrack system is very important, especially with regard to high frequency response. All HOSA cable is high quality low capacitance cable. Full signal integrity is maintained, high frequency response is unaltered.

CALL FOR PAS PRICING

CONNECTORS



INNOVATIVE-PRECISION CRAFTED

PAS can supply your next project with exactly the right audio connectors for the job. Call your PAS Sales Pro and find out more about all the quality audio connectors available.

PAS carries the complete line of all NEUTRIK and SWITCHCRAFT connectors.

PHANTOM POWER SUPPLIES.



The STEWART BPS-1 is a single channel, battery powered, +48v phantom power supply designed for applications where AC powered units would not be practical. Operating with two 9 volt alkaline batteries, the BPS-1 will supply power for condenser microphones, direct boxes or any other devices requiring +48v phantom power.

BPS-1	PAS Price \$ _____	List.....119.00
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The STEWART phantom supply system was designed as an inexpensive alternative to more costly auxiliary supplies. It is expandable up to 12 channels and can be powered from a single PS-1 power supply..

PM-1	Single Channel	List.....93.00
PM-2	Two Channel	List.....138.00
PM-4	Four Channel	List.....171.00
PM-6	Six Channel	List.....269.00

CALL FOR PAS PRICING

MICROPHONE ACCESSORIES

PROBLEM SOLVERS

RADIO DESIGN stick on series model STD-1 Divider-Combiner is a resistive branching network with RF filtering on each of the four channels. Any channel may be either an input or an output. Available in both 150 Ω and 600 Ω models.

STD-1 PAS Price \$ _____ List.....34.95

The STP-1 from **RADIO DESIGN** is a convenient attenuator pad that can be located at the precise location that attenuation is needed without the normal unsightly twisted resistor pads that are all so common..

STP-1 PAS Price \$ _____ List.....34.95

The ST-LCR2 provides double pole, double throw dry switching contacts and LED indicator for relay closure. The ST-LCR2 is used where momentary pulses must alternately toggle on/off switching contacts. Open-collector output allows connection of remote "on" indicator.

ST-LCR2 PAS Price \$ _____ List.....91.95

The ST-ACR provides high impedance bridging inputs that can be connected across any audio line, balanced or unbalanced. The multiturn sensitivity adjustment covers a range from mic to line level to provide reliable switching. A multiturn DELAY control adjusts relay release delay. Slave open-collector terminal allows additional relays to be added for more contacts.

ST-ACR PAS Price \$ _____ List.....80.95

RADIO DESIGN problem solvers include a wide variety of compact in line adapters, transformers, attenuators, tone generator and many more..

CALL FOR PAS PRICING



STANDS

ATLAS manufactures the largest selection of microphone stands and accessories available.

MS-10C An economical stand with a chrome finished tube and black circular iron base. List.....40.95

MS-25 This is the studio standard in heavy stands. The triangular base prevents tipping. List.....137.50

SB36W Pro boom stand for stage and studio applications. High quality piston type air suspension for easy adjustment. List.....355.65

DS5 4" High heavy desk stand List.....16.05

DS7 Adjustable 8 to 13" List.....22.10



PAS carries the full ATLAS line.

Looking for an ATLAS product?

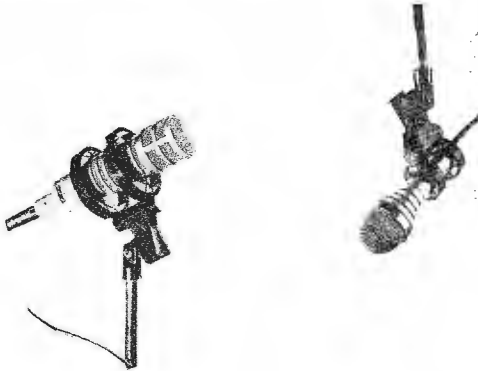
Call your PAS representative today

800 433-7668

MICROPHONE ACCESSORIES

STANDS

AKG Tensimount universal microphone isolators are a simple yet highly effective way to eliminate floor vibration, shock and mechanical feedback that is transmitted through your mic stands. Tensimounts adapt any microphone to fit a standard 3/4" stand, so interchanging mics and stands is faster than ever before. Mic clip required for mounting to stand or arm.



TM-1	PAS Price \$ _____	List.....13.00
TM-2	PAS Price \$ _____	List.....14.00
TM-3	PAS Price \$ _____	List.....18.00
SA26	Clothespin Clip	List.....12.00
SA40	Secure Clip	List.....9.00

CALL FOR PAS PRICING

PA SYSTEMS

ANCHOR

The Liberty is a portable sound system you can use for many purposes without compromising quality. Six different models are available and ideal for live performances, speech and music. Constructed of foamed polymer plastic case it is lightweight, rugged and has excellent acoustic properties.



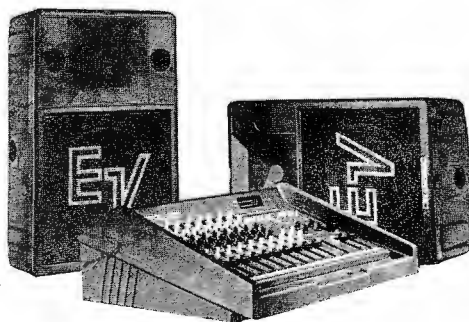
The solid oak top and edge trim accents the luxurious grain of the oak laminate center console of the Admiral. It can accommodate the Liberty Sound System to make the Admiral a completely self-contained communication center to address an audience of 500 or more.

PAS has the full line of ANCHOR portable PA Systems and Lecterns available for every purpose.

Call your PAS Sales Pro today for more information.

ELECTRO-VOICE

The Entertainer is unique in that it offers a true high performance, portable all in one sound reinforcement system. It is a 100 watt per channel stereo mixer with 10 inputs offering unparalleled convenience and flexibility. It is also a pair of high performance, Constant-Directivity speakers offering superb sonic reproduction in a package designed to fit virtually any application. The Entertainer weighs under 100 pounds and is designed for quick setup and hassle free operation. The Entertainer is the logical choice for anyone who needs a sound system that is reliable, compact and convenient. There is no longer a reason to settle for second best.



ENTERTAINER List \$ 3058.00 CALL FOR PAS PRICING

PERMA POWER

Sound column is a professional lectern with built-in sound system. Hidden wheels let you roll unit from room to room effortlessly. 6 speaker sound column projects clear, natural sound to the last rows. Height adjusts 36" to 46". Mike has 10' cable and you can attach to gooseneck holder or lavalier neck cord.



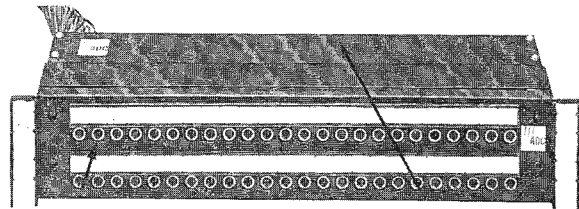
S-500 PAS Price \$ _____ List.....899.00

PATCH BAYS / PUNCH BLOCKS

ADC

ADC has enhanced the design of Pro Patch front and back to deliver more time and work savings. In front, circuit designations are neat and convenient; and in back, the terminal layout affords faster installation and more flexibility of configuration. Pro Patch patch bays are available with the normals at the panel, with the normals brought out or with a full sleeve normal brought out.

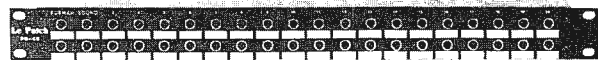
CALL FOR PAS PRICING AND CONFIGURATION



FURMAN

The PB-40 Patch Bay Series is a versatile family of 40 point patch bays that answer the need for reliable but easily changed interconnections in any audio system. Each PB-40 unit is constructed of 20 small circuit boards with four jacks mounted on each, two in front and two rear, housed in a heavy gauge steel and aluminum enclosure.

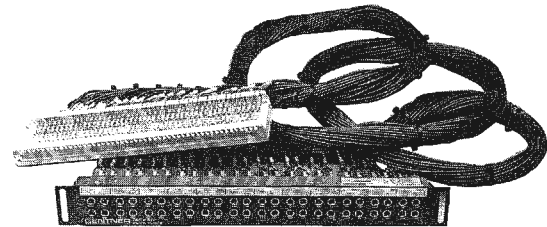
PB-40P	Front & Rear 1/4" phone	List.....165.00
PB-40R	Rear-RCA Front-phone	List.....155.00
PB-40RR	Front & Rear RCA	List.....155.00
PB-40H	Rear phone & RCA	
	Front Phone	List.....165.00
PB-40T	Front & rear Tip Ring Sleeve Phone	List.....180.00



GENTNER

Specializing patch panels for custom applications is a major part of enveloping your audio routing system. You want this system to be flexible, efficient, and neat. However, this could add up to a tremendous amount of time and effort being spent in wiring and finding the right parts for building your system. GENTNER solves this problem by custom wiring audio patch panels to your specifications.

CALL FOR PAS PRICING AND APPLICATIONS

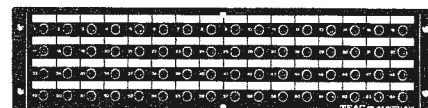


TASCAM

The TASCAM PB-32 Series patch bays are ideal for any application. They are available in four basic configurations and are of modular construction so they can be reconfigured to meet specific patching requirements. The PB-32 also features 'normalled' connections to provide the maximum in patching convenience without the need to patch through unused circuits.

PB-32P	1/4" Phone jacks	List.....140.00
PB-32R	RCA/RCA	List.....125.00
PB-32H	1/4" Phone / RCA	List.....135.00
PB32B	TRS Phone	List.....175.00
PB64	RCA/RCA	List.....120.00

CALL FOR PAS PRICING AND APPLICATIONS



PAS has a complete line of punch blocks and tools for your installation. Punch blocks are available in dual or triple row configurations. Bridge clips allow quick interconnect between rows.

CALL FOR PRICING AND APPLICATIONS
800-433-7668

PROCESSING / AUDIO COMPRESSOR/LIMITERS

APHEX



The APHEX Compellor is a smart, versatile, cost effective processor is equally at home in broadcast pro-processing, microphone control, audio recording and production, tape duplicating, live sound and film dubbing. Features are automatic AGC for consistent program level, invisible compression for tighter dynamics without audible effect. Instantaneous peak limiting gives you equipment protection and intelligent control circuits for simple set up and no readjustment for varying programs, The Compellor operates at any level from -10 to +8, balanced or single ended.

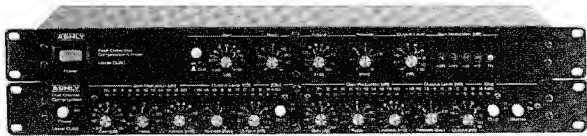


The Dominator II is a stereo multiband peak limiter designed to fit a wide range of audio applications. Through the use of multiband techniques along with new proprietary circuits, the audibility of limiting action has been greatly reduced.

300 (Stereo) PAS Price \$ _____ List1195.00

Dominator II PAS Price \$ _____ List1350.00

ASHLY



The CL-50E is ASHLY's channel compressor/limiter. The CL-52E is essentially two CL-50E's in one rack space, but offers improved metering and switching. The CL-52E can be used as a stereo compressor/limiter or as two separate mono units. Ten level meters are provided on each channel to indicate gain reduction and output level.

CL-50E PAS Price \$ _____ List299.99

CL-52E PAS Price \$ _____ List499.99

BSS



The excellent performance, comprehensive specification, and rugged construction of the DPR-402 from BROOKE SIREN suit it to any professional environment. With the DPR-402 you can control loudness in a way suited to AM/FM broadcast processing. Using the frequency selective loudness control enables you to enhance a frequency spectrum without additional equalization.

DPR-402 PAS Price \$ _____ List1339.00

dbx



The 163X is the world's best selling compressor. It builds on the technology that makes the 160X the world standard compressor/limiter.

The 160XT is a world standard compressor/limiter with Over Easy or hard knee action from dbx.

Auto or manual attack, peak stop limiting, analog metering is a 2U package is the 165A compressor/limiter.

Stereo or dual mono gating, compression and Peak Stop limiting describes the 166 from dbx. Uses 1/4" TRS connectors.



163X PAS Price \$ _____ List169.00

160XT PAS Price \$ _____ List459.00

165A PAS Price \$ _____ List999.00

166 PAS Price \$ _____ List629.00

PROCESSING / AUDIO

COMPRESSOR/LIMITERS

FURMAN

The LC-X expander/compressor/limiter combines three independently functional sections: a variable ratio expander/gate, a variable ratio compressor, and a fast response peak limiter. The first two feature 'soft knee' action. The latter is designed to provide a final degree of protection for drivers and recording media. All three or any combination can be used simultaneously. Each section has its own threshold control, with an LED indicating the onset of each effect.

LC-X PAS Price \$ _____ List.....369.00



JBL/URIE

The 7110 offers new smooth sounding Smart-Slope compression ratios adjustable from 1.5:1 thru infinity :1 and permits independent settings for limiting threshold, attack and release times, and output level. Additionally, the gain control action can be continuously varied between either peak or average detectors, giving the user a choice of either mode, or a mix of both.

7110 PAS Price \$ _____ List.....495.00



KLARK-TEKNIK

The DN500 offers the engineer a unique combination of variable knee compressor, independent limiter and clipper plus a variable ration expander/gate for the ultimate in dynamic control. With this flexibility the DN500 is suited to a wide range of applications in recording, broadcast, post production studios and sound reinforcement systems.

DN500 PAS Price \$ _____ List.....1195.00



RANE

The RANE DC24 dynamic controller has the following features: independent stereo limiter, compressor and expander/gate functions, separate threshold and ration controls for each operation, built-in 24dB octave crossover for bandsplit control or biamp operation. RANE also gives you gain reduction meters, threshold, signal and overload LED indicators, stereo or dual side chain switch and side chain insert jacks.

DC24 PAS Price \$ _____ List.....549.00



SYMETRIX

The Model 501 Peak-RMS compressor/Limiter is positively the most versatile and complete advanced technology compressor/limiter on the market today. Some of the features include manual attack/release and program controlled automatic attack/release (switch selectable).

The Model 525 dual gated compressor/limiter is the latest addition to the SYMETRIX family of dynamic range controllers. The model 525 has two independent channels which may be ganged for stereo operation. Separate compress/limit and expand/gate side-chains each of which respond in a program dependent fashion make set-up quick and simple.

501 PAS Price \$ _____ List.....349.00

525 PAS Price \$ _____ List.....539.00



PROCESSING / AUDIO

COMPRESSOR/LIMITERS

SYMETRIX

The SX208 Stereo Compressor/Limiter is a true stereo dynamic range controller offering both studio sonic performance and ease of operation at a very economical price. Like all SYMETRIX compressor/limiters, the half rack sized SX208 gives full sized performance with no objectionable side effects sometimes associated with dynamic range controllers. The heart of the SX208 is built around an industry standard high performance VCA enabling a dynamic range in excess of 110dB with a typical distortion of less than .03%.



SX208 PAS Price \$ _____ List.....299.00

VALLEY INTERNATIONAL

The 440 Limiter/Compressor, dynamic sibilance processor offers the convenience of a peak limiter, a high quality compressor/expander package and a dynamic sibilance processor section, each controlling a common voltage controlled amplifier.



440 PAS Price \$ _____ List.....1025.00

The feature that most distinguishes the Model 610 Dual Compressor Expander is the unique coupling employed in the VCA release circuit. This allows the expander and compressor sections to be used interactively. In the Expanded Compression mode, the audio signal may be compressed to reduce dynamic range, and the expander may be used to reduce dynamic range, and the expander may be used to reduce the residual noise.



610 PAS Price \$ _____ List.....1300.00

YAMAHA

The GC2020BII is an ultra high performance 2 channel compressor/limiter with all the features necessary for accurate tailoring of compression and limiting parameters.



GC2020BII PAS Price \$ _____ List.....395.00

DELAYS

ART

The PD3 is a high performance multi-tapped digital delay system. Designed primarily for time synchronization in multiple sound distribution systems, the PD3's versatility offers a significant performance improvement in sound reinforcement, recording studio, television engineering, post production and loudspeaker time alignment applications.



PD3 PAS Price \$ _____ List.....749.00

AUDIO DIGITAL

The TC-4 Broadcast Digital Processor is a state of the art advancement in broadcast profanity delay. It features delay time of 6.8 seconds, with a 15kHz bandwidth and 85dB dynamic range. The optional auxiliary card allows memory dump in less than two seconds, as well as a delay time catch-up feature to allow starting in near real time.



TC4 PAS Price \$ _____ List.....1597.00

TC4A PAS Price \$ _____ List.....286.00

PROCESSING AUDIO

DELAYS

EVENTIDE

The BD941/BD942 employs advanced circuitry and 64k RAM chips to deliver full bandwidth with all units. This is important to you even if your sole application is to police telephone talk shows. With these units, there's no need to leave the delay mode when airing commercials, promos, network feeds, newscasts or other better than phone quality sources.

BD941 Mono PAS Price \$ _____ List.....1795.00

BD942 Stereo PAS Price \$ _____ List.....1995.00



EVENTIDE's patented automatic catch-up feature solves the problem of getting back into delay after a segment is 'DUMPED'. The Dump button is pushed to prevent an obscenity or other undesirable utterance from reaching the air. The obscenity is deleted and delay goes to zero. Then, without further operator intervention, the unit starts imperceptible adding delay back into the program audio, with no program interruption. Thus the delay 'safety margin' is automatically rebuilt.

BD980 PAS Price \$ _____ List.....5495.00



YAMAHA

The DDL3 Digital Delay Line is a high performance delay line with on-board EQ designed for commercial sound applications, especially those requiring excellent sound quality and extended dynamic range. It features a 1-in/3-out configuration with independent delays for each output, programmable from zero to 1300 milli-seconds in 20-microsecond steps. 15 user memory locations are provided, so programs including delay and EQ settings can be prepared and easily recalled when needed. Programs may be recalled via the front panel controls, by using a contact closure system, or via MIDI.

DDL3 PAS Price \$ _____ List.....1195.00



EFFECTS

ALESIS

Dedicate several Microverb's II's to your reverb sends. One for vocals and leads, one for drums and percussion, one for background and rhythm instruments. Now you can create complex mixes with tremendous spatial depth. 16 programs, including plates, rooms, chambers, halls and gates, they're all here, fully programmed and instantly ready to make your music sound complete.

Microverb II PAS Price \$ _____ List.....199.00



With its 256 all new 16 bit reverb, delay and special effects programs, stereo input/output on 1/4" jacks, and 15 kHz bandwidth. Microverb III takes the concept of preset digital effects to a comprehensive new level. The Microverb III's 16 program types include reverbs, delays, gated/reverse reverbs, multi-tap delays and special effects.

Microverb III PAS Price \$ _____ List.....249.00



PROCESSING AUDIO

EFFECTS

ALESIS

This programmable 16 bit stereo simultaneous digital effects processor is capable of generating up to four effects at the same time: Delay, Reverb, and Chorus or Flange. Plus, high frequency rolloff is available for shaping the overall frequency response. MIDIVERB III features 15kHz bandwidth and 200 memory locations, the first 100 of which are preprogrammed with a wide variety of musically useful, nonvolatile factory presets. Users may create their own programs and store them in memory locations 100-199 without losing the first 100 factory programs.



Midiverb III PAS Price \$ _____ List.....349.00

Featuring one of the most powerful digital signal processing chips ever designed for the audio industry, QuadraVerb GT is an unbeatable mix of technical superiority and total musicality. Effects include stereo digital reverb, stereo delay, stereo chorus, flange, phasing and pitch detuning and parametric and graphic EQ. Up to four effects can occur simultaneously in one easy to use, designed 19" rack unit.



QuadraVerb GT PAS Price \$ _____ List.....599.00

APHEX

The benefits to any sound system are numerous: Recording, Live Performances, Theaters, Clubs, Restaurants and Disco, Industrial/Commercial. The application of the Aural Exciter Type C are endless. The Type C has two independent channels that can be used for stereo with matching settings, or separately with different settings. Each channel is line level in/out with the nominal operating level -10 dBm.



Aural Exciter Type C PAS Price \$ _____ List.....299.95

The APHEX Aural Exciter Type III utilizes a patented audio process that will recreate and restore missing harmonics. These harmonics are musically and dynamically related to the original sound. When added, they restore natural brightness, clarity and presence, and can actually extend audio bandwidth. Aural Exciter Type III extends the high frequencies. It is a single ended process that can be applied at any point in an audio chain and needs no decoding.



Aural Exciter Type III PAS Price \$ _____ List.....995.00

**CALL YOUR PAS REPRESENTATIVE
FOR ALL YOUR PROCESSING NEEDS.**

**CAN'T FIND THAT CERTAIN PRODUCT
CALL TODAY
800 433-7668**

PROCESSING AUDIO

EFFECTS

ART

The SGE MACH II is the new shimmering standard in digital signal processing. The MACH II provides the processing power of thousands of dollars in studio gear in an incredibly compact and easy to use package. The heart of the MACH II is a new D.S.P. that provides 12 simultaneous audio functions and sound quality that is unbelievable! With the power to combine the more than 70 effects at random, you have creative possibilities that are out of this world. No other processor even comes close!

SGE MACH II PAS Price \$ _____ List.....749.00



The heart of the Multiverb III is a new fully optimized 20 bit digital engine which is surrounded by some of the most sophisticated engineering to date. The result is a processor with incredible capabilities. An advanced, user friendly interface makes those capabilities very easy to access. Programs, parameters and values are visible on the LCD display.

Multiverb III PAS Price \$ _____ List.....529.00



The DR-X is the new wonder processor designed for studios and live sound applications. It will perform 10 simultaneous audio functions and it features a new DSP that give flawless reproductions of effects with bandwidth to 20 KHZ. The DR-X is a full function dynamics processor in addition to being one of the finest studio reverberators and multieffectors ever made. The harmonic exciter restores all of the natural clarity and brilliance that gets lost in the mix. The compressor and limiter smooth out the peaks and dips of any source. In live applications, it may be patched on a subgroup and the limiter will prevent the effects buss from ever being overdriven.

DR-X PAS Price \$ _____ List.....629.00



DIGITECH

The DSP256XL is a studio-quality, multi effect digital signal processor. Like its predecessor the DSP256, the DSP256XL is designed for the studio, but built tough enough for the road. And it has new and improved features that raise the DSP256XL to a new level of performance. Plus its ease of programming keeps set up time to a minimum.

DSP-256XL PAS Price \$ _____ List.....439.95



The DSP 16 is a stereo effects processor designed for studio applications. The unit contains 128 MIDI changeable programs utilizing 16 different reverb and delay effects with variable decay and delay times. A 4-band EQ provides exact tailoring of the sound, and controls for Effect Mix, Output and Input Levels allow precision adjustment of the signal flow and mix.

DSP-16L PAS Price \$ _____ List.....299.95

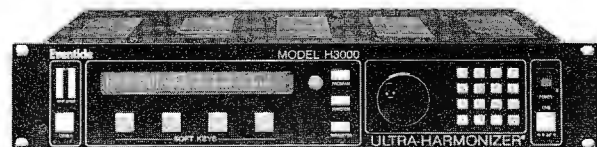


EVENTIDE

The H3000 give you over sixty factory reverberation, effect and pitch-related programs, based on eleven different algorithms. You can also store scores of user-created presets.

H3000B Broadcast PAS Price \$ _____ List.....2995.00

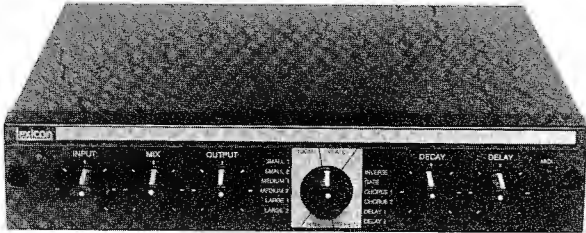
H3000S Studio PAS Price \$ _____ List.....2495.00



PROCESSING AUDIO

EFFECTS

LEXICON



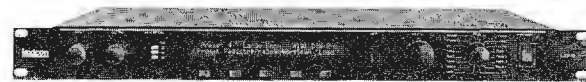
The LXP-1's 16 programs have all the sounds you need and does everything you'd expect a cost-effective digital processor to do — except compromise on sound quality. Dynamic MIDI gives you real-time control you never thought possible.

LXP-1 PAS Price \$ _____ List.....549.00
A-LXP-R Rack Tray List.....30.00



The LXP-5's algorithms allow you to combine mono delay, three octaves of pitch shifting, stereo delay, EQ, and reverb to create wonderfully complex effects up to five layers deep. Its 128 presets give you a sampling of some of the possibilities, panoramic stereo delays with dense ambience, thick flowing choruses that echo into the distance, and washes of arpeggiated notes, bouncing into reverb. The LXP-5 lets you access and edit every one of its effects parameters from the front panel in real time without an external controller. You can also store up to 128 of your own effects in the LXP-5's user memories for instant access to custom sounds.

LXP-5 PAS Price \$ _____ List.....549.00



The LXP-15 is a digital multi-effect processor that combines Dynamic MIDI effect's, automation and remote control, spectacular effects, and excellent user interface, and the legendary **LEXICON** Sound. The LXP-15 has five inputs for external foot switches or pedals and you can patch these inputs to any of the LXP-15's effects parameters. So even without MIDI, you have remote control of the LXP-15's effects. The LXP-15 has been endowed with a rich, distinctive palette of 128 preset effects, and room to store 128 of your own. Choose from pitch shift, stereo delay, gate, plate, reverb and many more.

LXP-15 PAS Price \$ _____ List.....1050.00



LEXICON PCM70 lets you choose from more than 40 imaginative factory programs. Versatile effects programs cover chorus and echo, multiband delays and resonant chords — each with six voices. The PCM70 offers you **LEXICON** reverb programs like concert hall, rich chamber and rich plate.

PCM70 PAS Price \$ _____ List.....2295.00

YAMAHA



The SPX900 features a 44.1 kilohertz sampling frequency for absolutely pure, natural sound quality. Programming capabilities are extensive with the enhanced processing power of the SPX900. It is also MIDI equipped for sophisticated remote control and program automation.

SPX900 PAS Price \$ _____ List.....895.00



The FX900 combines unmatched **YAMAHA** digital signal processing technology with advanced signal-routing capabilities to provide a fully configurable system of up to seven simultaneous effects. A unique system of "algorithms" makes it possible to connect effects in series, in parallel, or in any series/parallel combination, so you have complete freedom in configuring your effect chains. In addition, a wide range of programmable effects make the FX900 a complete state-of-the-art signal-processing system in one compact package.

FX900 PAS Price \$ _____ List.....995.00

PROCESSING AUDIO

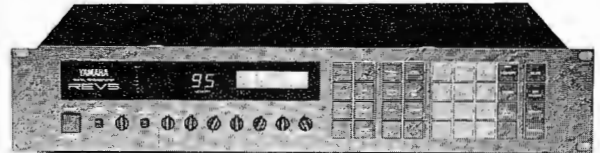
YAMAHA

The SPX1000 offers 40 preset effect programs. These include accurate simulations of natural reverberation and early-reflections, delay and echo effects, gated effects, modulation effects, a versatile compressor, a low level expander, a harmonic exciter, freeze programs and others. Simultaneous processing up to 5 effects at one time. Both series and parallel combinations are provided.

SPX1000 PAS Price \$ _____ List.....1595.00

A new standard of sound quality and control in professional digital reverberation & effects — YAMAHA REV 5. A few of the features: Full 20 Hz to 20 kHz frequency response for superior sound, expanded control parameters and 60 user memory locations, independent digital program EQ in addition to master EQ, MIDI program selection and dump capability, switchable input/output levels.

REV 5 PAS Price \$ _____ List.....1195.00



EQUALIZERS

ALESIS

Two 30 band 1/3 octave graphic EQs in one 19" rack space, for less than the price of most single channel units, the M-EQ230 uses integrated Surface Technology to deliver more features and better audio performance than ever before in this essential studio building block. Use it for equalizing the response of your studio monitors, tone shaping for instruments during recording, re-equalizing mixdown tapes, for instrument rigs and sound reinforcement.

M-EQ230 PAS Price \$ _____ List.....249.00



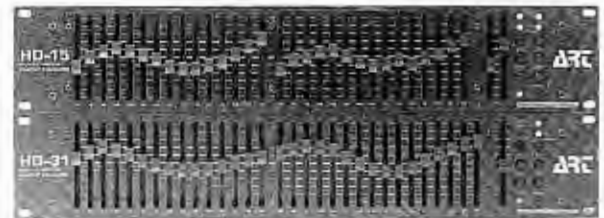
ART

ART graphic equalizers are professional quality, low noise units designed for use in sophisticated recording and sound reinforcement applications. The equalizer electronics employ minimum phase shift active combining filters centered on ISO preferred frequencies. Lever controls are also provided to obtain optimum operating conditions. All slide controls are center-detented for maximum user convenience.

HD31 31 Band List.....425.00

HD15 Stereo 15 Band EQ List.....425.00

PAS Price \$ _____ PAS Price \$ _____



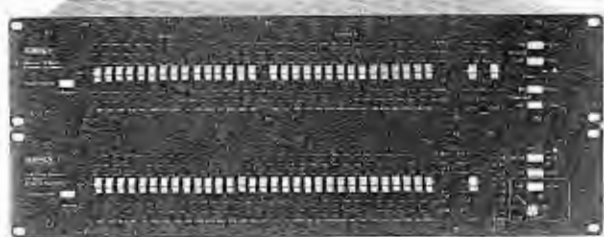
ASHLY

ASHLY offers three models in the GQ Series. The GQ-215 offers two channels of 2/3 octave, 15 band equalization and features a peak-indicating LED, a fixed, switchable 40Hz subsonic filter and a cut or boost range of ± 15 dB. The GQ131 is a mono 1/3 octave, 31 band equalizer, incorporating a switchable subsonic filter that is tunable between 8Hz and 200Hz, and a boost or cut range of either ± 6 dB or ± 15 dB. Additionally, a nine position, three color LED level meter and a peak-indicating LED are provided for visual reference. The GQ231 has two separate channels of 1/3 octave, 31 band equalization, each incorporating the same features as the GQ131.

GQ215 Dual 2/3 Octave List.....529.99

GQ131 Single 1/3 Octave List.....599.99

GQ231 Dual 1/3 Octave List.....1099.99



CALL FOR PAS PRICING ON ASHLY EQUALIZERS

PROCESSING AUDIO

EQUALIZERS



dbx
dbx second generation 1531X was designed to be a versatile, compact, one rack equalizer. The rear panel switch converts the 1531X from a mono 31 band EQ to a dual 15 band EQ. The front panel configuration switches allow selection of fader throw between $\pm 15\text{dB}$ and $\pm 7.5\text{dB}$, high pass filtering In/Out and turnover frequency at 20, 60 or 120Hz, plus bypass.

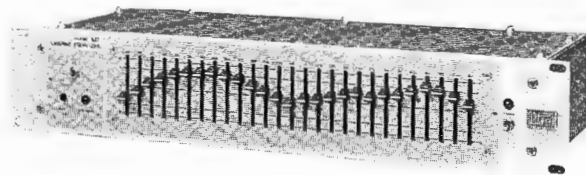
1531X PAS Price \$ _____ List.....419.00



DOD
 Graphic Equalizers are the result of a constant refining and updating to give you top quality signal processing tools for a very reasonable price. DOD's equalizers sound good, solve audio problems, last a long time, work hard and save you money.

R-830 2/3 Octave, two Ch List.....319.95
 R-831 1/3 Octave, single Ch List.....329.95

CALL FOR PAS PRICING



JBL
 Understanding speakers and how they work is JBL's key to making the finest graphic EQ's available. From the filters to inputs and output JBL EQ's are designed to give you maximum control with minimum distortion or artifacts. All units are field proven, rugged and designed for the professional.

533 Single Ch, 1 octave List.....590.00
 535 Dual Ch, 1 octave List.....790.00
 537 Single Ch, 1/3 octave List.....1390.00



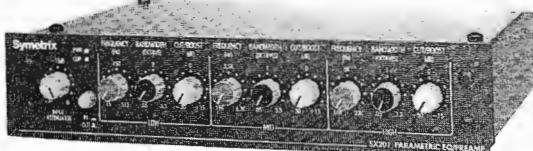
RANE
 The GE30 combines in one unit a full-featured boost/cut and cut-only graphic equalizer. Also contains built in switch selectable output transformers, direct active balanced drive and balanced output transformer isolation. A security cover is standard equipment.

RANE's microGraphic series of single rack space graphic equalizers offers the same high quality constant-Q performance as the GE27 and GE14. Only the slider throw is different, plus you gain a range switch to help extend the usable travel if modest boost/cut amounts are needed.



GE30 1/3 octave List.....749.00
 ME15 2/3 octave, stereo List.....369.00
 ME30 1/3 octave List.....359.00

CALL FOR PAS PRICING



SYMETRIX
 The Model SX201 Parametric Equalizer/Preamp is a high performance studio quality parametric equalizer/notch filter designed to handle both low level and line level inputs. Three fully parametric bands of equalization are provided.

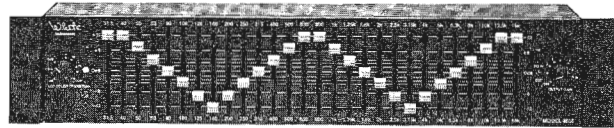
SX201 PAS Price \$ _____ List.....279.00

PROCESSING AUDIO

EQUALIZERS

WHITE INSTRUMENTS

Model 4650 1/3 octave R-C active equalizer features linear controls. 28 1/3 octave, single-tuned, R-C active filters on I.S.O. centers from 31.5Hz through 16kHz. Boost or cut 12dB via continuously variable, calibrated, 60mm, linear potentiometers with center detents. Fixed 12dB/octave roll-off filters at 16 Hz and 35 kHz. EQ in/out switch. Single bi-color LED metering indicates power, headroom and clipping. Optional input and output isolation transformer.



Model 4675 2/3 octave, two channel, R-C active equalizer with linear controls. Each channel features: 14 filters on I.S.O. two thirds octave centers from 40 Hz through 16 kHz; Boost or Cut 12dB via continuously variable, calibrated, 60mm, linear potentiometers with center detents. EQ in/out switch; 12dB/octave, continuously variable high pass filter; LED clip indicator; servo-balanced input and output may be unbalanced without termination. High current output stage to drive long lines.



4650	PAS Price \$ _____	List.....699.00
4675	PAS Price \$ _____	List.....795.00

YAMAHA

YAMAHA offers you two graphic equalizers. Among the features offered on various models are high pass filters, Peak indicating LED's, automatic muting circuit and EQ switch.



GQ1031BII	31 band, 1/3 octave	List.....325.00
Q2031A	31 band, 1/3 octave	List.....695.00

CALL FOR PAS PRICING

PAS HAS SEVERAL LEASE PLANS AVAILABLE
TO SUIT YOUR VARIOUS NEEDS.

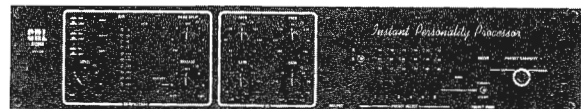
WE ALSO OFFER AN INSTALLMENT PLAN FOR
YOUR CONVENIENCE.

CALL YOUR PAS REPRESENTATIVE TODAY FOR
MORE DETAILS.

MICROPHONE PROCESSING

CRL

The IPP-100 is a fully integrated broadcast mic processor. It is designed specifically for smoothly processing live voice that is destined for further processing in 'On Air' processing equipment. It has three operating modes. Bypass allows the user to remove it totally from the circuit. Variable allows quick, natural adjustments. Preset is where previously stored front panel setting can be recalled.



IPP-100	PAS Price \$ _____	List.....1695.00
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PROCESSING AUDIO

MICROPHONE PROCESSING



dbx
Great rock vocals demand compression and EQ for 'punch'. Unfortunately, this can cause harsh 'S' and 'T' sounds in the vocal. A de-esser quickly and effectively de-emphasizes these sounds. The 263X is especially good for sound reinforcement.

263X PAS Price \$ _____ List.....169.00



SYMETRIX
The 528 is a complete, self contained voice processor that performs five separate functions: mic preamp, de-esser, compressor/limiter, downward expander and parametric equalizer/notch filter, all in a single rack space.

528 PAS Price \$ _____ List.....679.00



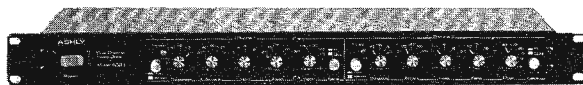
VALLEY INTERNATIONAL
The Model 400 Microphone Processor was designed specifically to enhance the on-air personality's performance. This multi-function single channel device consists of: a low noise, low distortion, transformerless mic preamplifier, a 3-band tone control equalizer, compressor, de-esser, LED gain reduction meter, and several more.

Model 400 PAS Price \$ _____ List.....679.00



NOISE GATES
APHEX
The Model 612 is much more than just a gate. It is a true expander, using downward expansion with a variable ratio, thus allowing an infinite variety of dynamics control which are impossible with a gate. It is also a ducker, allowing a key input to lower the level of the audio input.

612 PAS Price \$ _____ List.....795.00



ASHLY
The SG-33E and SG-35E Noise Gates are versatile noise reduction systems designed to control leakage and background noise in recording and sound reinforcement application. Acting much like a sensitive switch they automatically attenuate audio signals which fall below a user selected threshold, while passing audio that reaches or exceeds that threshold.

SG-33E 2 Channel List.....419.99
SG-35E 4 Channel List.....669.99

CALL FOR PAS PRICING



AUDIO LOGIC
The **AUDIO LOGIC 440** Quad Noise Gate is a professional, four channel noise gate designed as a versatile, low noise, signal processor. It combines the latest in engineering technology with easy to use controls and the highest quality you've come to expect from **AUDIO LOGIC**. Each gate has threshold, attenuation, attack, and release controls, adjustable over a wide range, with an LED to indicate when the gate is closed.

440 PAS Price \$ _____ List.....400.00

PROCESSING AUDIO

NOISE GATES

dbx

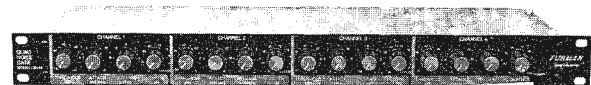
The 463X allows the amount of gating to be adjusted rapidly and precisely, while the dbx OverEasy circuitry keeps it from abruptly cutting into the desired signal. A special "Key" input can be used to achieve frequency sensitive gating and instrument syncing. The front panel input, with its own trim control, accepts a wide range of high-impedance instrument and pickup levels directly.



463X PAS Price \$ _____ List.....169.00

FURMAN

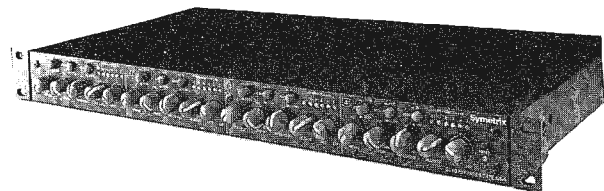
The QN-44 Quadruple Noise Gate is comprised of four identical but independent noise gate channels. Whenever only noise, low level leakage, buzz, footsteps etc. are present but no music you hear nothing. The gate opens instantly when a sufficiently loud signal is present.



QN-44 PAS Price \$ _____ List.....429.00

SYMETRIX

The 564 is a four channel, dual-mode dynamics processor. Each of the four channels contains a full complement of carefully integrated control facilities, giving the 564 the capacity to perform a variety of functions from the most basic noise gate utility to special effects produced with combinations of both the fate and expand functions.



564 PAS Price \$ _____ List.....989.00

VALLEY INTERNATIONAL

At the heart of the Gatex is the TA-101 voltage controlled amplifier which allows the Gatex to process audio signals without coloration. Feed forward control circuitry allows accurate gain control with instability caused by control lag commonly found in less expensive processors. And dc control of all functions eliminates noise pot problems because no audio signals pass through the front end panel controls.

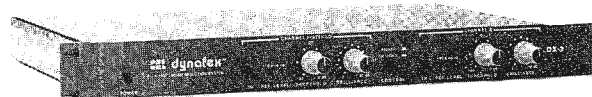


GATEX PAS Price \$ _____ List.....635.00

NOISE REDUCTION

CRL

Dynafex incorporated the patent pending noise reduction circuitry that provides up to 30dB of noise reduction without the encode/decode process, allowing the user several control parameters to fine-tune the device to exact requirements. This circuitry combines dynamic filtering and a unique form of downward expansion to form a highly effective single ended system. A hard wired In/Out switch is also provided.



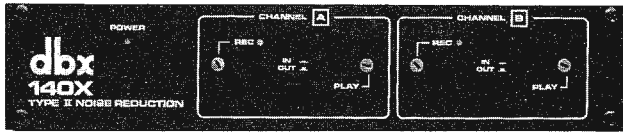
DX1 Mono List.....720.00
DX2 Stereo List.....820.00

CALL FOR PAS PRICING

PROCESSING AUDIO NOISE REDUCTION

dbx

The 140X provides more than 40dB of noise reduction for typical limited bandwidth media such as cart machines, telco lines, videotape audio tracks, and low bandwidth digital systems. The patented RMS detection makes the system virtually immune to phase shift related tracking problems, while the tailoring of detector bandwidth prevents mistracking on broadcast quality media with limited high and low-end frequency response. The 140X provides two channels each of encode and decode electronics in a single package, with front panel bypass switches for each circuit.



140X PAS Price \$ _____ List.....319.00

Type 1 NR in a compact half rack package for all recorders operating at 15ips or faster. Balanced 1/4" TRS connectors. Output impedance is 22Ω, balanced. Frequency response ±0.5 dB 30 Hz-20kHz; -1 dB at 20 Hz..



150X PAS Price \$ _____ List.....319.00

The 563X effectively reduces the steady-state hiss created by analog tape, guitar signal processors, samplers and digital keyboards. The front panel slider can be rapidly adjusted for the hiss characteristics of a particular system. The 563X will then close down the high frequencies of the hiss, but open up for high frequencies from the music signal.



563X PAS Price \$ _____ List.....229.00

SYMETRIX

The Model 511A is a two channel single-ended noise reduction system configured for use in professional and commercial audio systems. With its dynamic high frequency filter and downward expander, up to 30dB overall reduction of both high frequency and broadband noise is attainable. The dynamic filter reduces high frequency sound like hiss, RF artifacts, and dimmer noise, while broadband and low frequency phenomena like hum, turntable rumble and air conditioning noise are reduced by the expander.

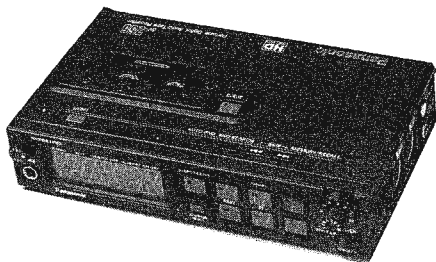


511A PAS Price \$ _____ List.....599.00

R-DAT Digital Recorders

PANASONIC

The SV-255 Portable Digital Audio Tape Recorder from PANASONIC is ideal for high quality professional or on the job recording applications indoors or out. The ultra compact SV255 is just 9" wide, 1 3/4" high and weighs only 3.2 lbs.. A low noise design for the MIC/LINE input amp does justice to the outstanding specifications of the DAT format. And a MASH ADC plus digital filtering help attain sound quality on a par with that of a deck type DAT recorder..



SV-255 PAS Price \$ _____ List.....2700.00

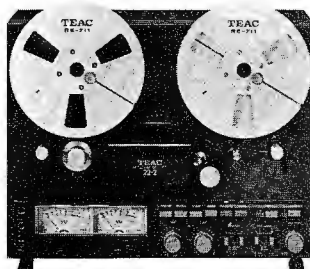
REEL/REEL RECORDERS



TASCAM

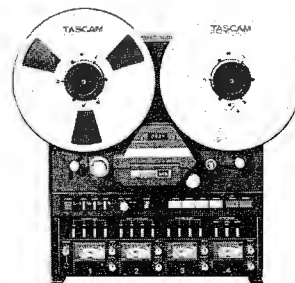
There are two models in the Series 20 recorder/reproducers, the 2 track 22-2 and the 4 track 22-4. TASCAM's objective was simple: hold the line on price yet continue to build high quality equipment for those creative individuals who need it to do their work. Both have large illuminated VU meters and uncluttered low-drag tape paths.

22-2 PAS Price \$ _____ List.....1099.00
 22-4 PAS Price \$ _____ List.....1699.00



In today's audio-conscious world, there is no longer any room for poor sound whether you're making records, radio spots or soundtracks for film, TV and AV presentations. The clarity of sound you get with the TASCAM Series 30 Recorder/Reproducers is among the finest available from any analog tape machines at any price. The 32 and 34B use 1/4" tape and have selectable 15 ips or 7 1/2 ips tape speeds and sync playback response equal to repro response ensures no loss of sound quality during ping-pong operation. They have dump edit function, cueing lever, precision VU meters and $\pm 12\%$ pitch control.

32 PAS Price \$ _____ List.....1749.00
 34B PAS Price \$ _____ List.....2199.00



The new TASCAM 3030 represents a cost effective approach to broadcast two track audio production. The 3030 has a 4 head system — 2 track 2 channel erase, record, reproduce and 4 track 2 channel reproduce plus 7 1/2 & 15 ips operation as well as switchable 250/320 nWb/m operating levels. It also has both +4 dBm balanced and -10 dBV unbalanced input/output for easy interface to any existing system. Among its many features are Auto Cue Mark and Dupli-Sync.

3030 PAS Price \$ _____ List.....2299.00



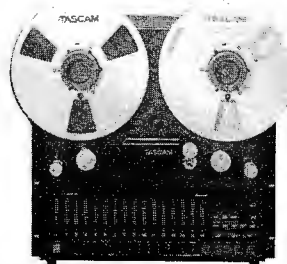
The TSR-8 is a 1/2" 15 ips 8 track machine that adds external synchronizer control capability, built in dbx type 1 NR, automatic punch in and punch out with a rehearsal function, gapless punch in/out and spot erase function and much more. For the quality conscious the TASCAM TSR-8 is the answer.

TSR-8 PAS Price \$ _____ List.....3499.00



16 tracks on 1/2" tape. It's been done before, but not nearly as well as in the TASCAM MSR-16. The MSR-16 is a remarkable recording machine that makes first class performance and features available in this convenient, economical multitrack format for the first time. There have been no compromises. All new heads, transport and electronic systems combine to deliver sound, stability and versatility that will satisfy the most demanding user.

MSR-16 PAS Price \$ _____ List.....7499.00



REEL/REEL RECORDERS

TASCAM



The ATR-60s are engineered for those who make their living with recorders. All five share a design philosophy stressing function over flash—an overall efficiency paced by the right balance of features without excess. Every ATR-60 is built tough, its deck plate won't flex. You won't be compensating for flex-induced phase or wow and flutter problems in post. The ATR-60s are born and bred to the work ethic.

ATR-60-2N	NAB Format	List.....4500.00
ATR-60-2T	Center Track Time Code	List.....6999.00
ATR-60-2HS	1/2" 2 Track Master	List.....4500.00
ATR-60-8HS	1/2" 8 Track	List.....6000.00

CALL FOR PAS PRICING ON THE ATR-60 SERIES

Also available in a 16 track version.

ATR-60-16	16 Track	List.....15,999.00
AQ65C	Auto Locator	List.....1,250.00
CS6	Locator Stand	List.....425.00
RC65C	Transport Remote	List.....575.00



The BR-20 has been designed with professional use in mind. It features balanced +4 dBm inputs and outputs, and all major audio calibration controls are easily accessible via the front panel. The transport has a precision tension servo control system that achieves exceptionally smooth operation, accurate time counter readings, and smooth manual editing performance. The BR-20T version featuring a center timecode track employs an original TASCAM in-line head and timecode waveform optimization system that eliminates the need for timecode level monitoring and adjustments. The ideal timecode waveform is automatically recorded on tape, for error-free sync and control operation.

BR-20	PAS Price \$ _____	List.....2399.00
BR-20T	PAS Price \$ _____	List.....2999.00

TEAC



X300/X300R is a three head system, 3 motor transport. Light touch transport controls, mic line mixing, record mute, independent L & R output controls, tape/source monitor selector, timer start, front panel mic & headphone jacks are just a few of the many features of the X300 machines. The X300R has bi-directional playback, auto reverse and auto repeat.

X300	PAS Price \$ _____	List.....1300.00
X300R	PAS Price \$ _____	List.....1450.00

REEL/REEL ACCESSORIES

PRESSURE ROLLERS



VIF 1005 series pressure rollers feature a unique self centering bearing that allows it to remain exactly parallel to the capstan shaft.

VIF1005-60	Ampex	List.....46.00
VIF1007	Scully 1.5 o.d.	List.....36.00
VIF1008	Scully 2.0 o.d.	List.....44.00

CALL FOR PAS PRICING

R.F. EQUIPMENT

ANTENNAS

MARK

MARK Antenna offers a variety of sizes of Heli-Arc welded aluminum Multi-Element Grid Parabolas for point-to-point relay operation in the 335 to 2700 megahertz frequency range. The patented grid of construction is lightweight, yet extremely strong. One of the outstanding advantages of the grid antenna is that it has wind loading, characteristics of only 25 to 40% of comparable size solid parabolas.

**PAS carries the complete MARK Antenna line.
Call for pricing and applications.**



SCALA

SCALA offers a complete line of point to point Yagi antennas in single and stacked configurations. The **SCALA** line includes off air monitoring antennas for your exact FM or TV frequency to give you accurate information at your monitor. Accessories available are coax dividers and combiners as well as antenna preamps to boost even the weakest signal.

Call **PAS** for more information on the complete line of **SCALA** antennas and accessories 800-433-7668

COAX

ANDREW

When you choose **ANDREW**, you are assured of products and system services that will meet your specifications and the company will stand behind that promise. **ANDREW** can eliminate schedule conflicts and make sure your project is completed on time and within your budget. **PAS** carries the complete **ANDREW** coax line. From 3/8 to large diameter **PAS** and **ANDREW** can help you solve your toughest RF transmission problem.

CABLEWAVE

CABLEWAVE Systems semi-flexible coaxial cables are used in electronics and communications systems operating from VLF through the microwave frequency bands. Both smooth wall aluminum and corrugated copper coaxial cables in foam and air dielectric are manufactured by **CABLEWAVE**. A full line of commonly used connectors featuring ease of assembly without special tools and reliable performance is available for all cables. Call **PAS** for more information.

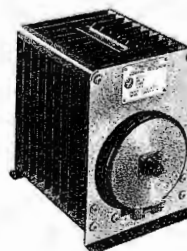


DUMMY LOADS

BIRD

The latest addition to the **BIRD** series of dry, forced air cooled high power Load Resistors, model 8570 is a well-matched termination for 50Ω rigid line systems to 15,000 watts for testing and alignment of transmitters. In case your station doesn't need the high power capacity of the 8570, **BIRD** also manufactures Dummy and Reject loads down to just a few watts. **BIRD** has water cooled or dry loads to fit virtually any application.

Call **PAS** for pricing and delivery 800-433-7668



R. F. EQUIPMENT

EXCITERS

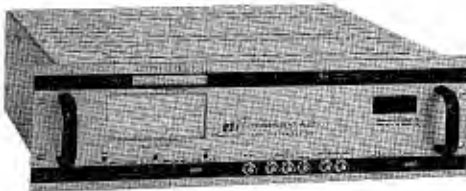
BROADCAST ELECTRONICS



The new FX-50 FM Exciter provides performance that is an order of magnitude superior to its predecessor, the FX-30. Performance specifications feature a dynamic range that rivals CD players with harmonic and intermodulation distortion values so low that they are virtually unmeasurable. The FX-50 has the lowest distortion of any exciter available.

FX-50 PAS Price \$ _____ List.....6295.00

QEI



The 695 is an advanced technology FM exciter with outstanding features and performance. Noise and distortion of all kinds are reduced to a point that becomes difficult to measure. The 695 will operate with any stereo generator or SCA generator as well as a 600Ω balanced line for monaural signals.

695 PAS Price \$ _____ List.....5295.00

TTC WILKINSON

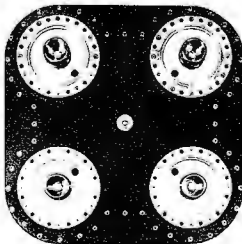


With the increasing use of digital audio and multiple SCA channels, the performance of available exciters has become limited. **TTC WILKINSON** meets this challenge with the Model X FM Exciter. Multiple subcarrier operation represents a major revenue opportunity. Since the FCC decision to allow multiple subcarriers, broadcasters have needed an exciter with these enhanced capabilities. Model X has been specifically designed to handle up to five subcarriers and has the industry's only five year warranty.

Model X PAS Price \$ _____ List.....5395.00

SWITCHES

COMARK



COMARK switches are designed with replaceable watchband springs contact assemblies for all electrical connections for the best possible contact. Three separate watchband springs are used for each inner conductor assuring troublefree operation. To simplify maintenance and inspection, the follower flange can be removed. This provides easy access to the inner conductor without total disassembly.

Call **PAS** for application and pricing information at 800-433-7668

ONE CALL DOES IT ALL
800 433-7668

R.F. PROCESSING

CRL

The CRL AM processing systems are modular and are comprised of either 2 or 3 of the basic signal processing concepts: input audio gain control, final peak modulation limiting and optional multiband compression. The CRL processor has been designed to meet the needs of AM mono broadcasting and features proven patented CRL technology.

AM2M	PAS Price \$ _____	List.....3295.00
AM4M	PAS Price \$ _____	List.....4795.00
AM2S	PAS Price \$ _____	List.....4295.00
AM4S	PAS Price \$ _____	List.....6395.00

The MBL-100 is designed to increase loudness and coverage area of AM monaural news/talk/sports formats. By combining powerful audio processing topology, and 7.5 kHz audio low-pass filtering, this multi-band limiter provides very high levels of average modulation density. This results in increased coverage area, and better reception of program material in noisy or interference prone environments.

MBL-100	PAS Price \$ _____	List.....3695.00
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The CRL FM processing systems are modular and are comprised of the basic concepts as the AM systems and include digital stereo generation. When used together these units provide complete program audio control to maximize stereo modulation while maintaining tonal clarity and integrity of original program sources.

FM1G	PAS Price \$ _____	List.....3995.00
FM2G	PAS Price \$ _____	List.....5895.00
FM2G+	PAS Price \$ _____	List.....7995.00

CRL NRSC Conversion Products:

PMC-450	Tri-Band Peak Modulation Controller	PAS Price \$ _____	List.....2050.00
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The Audio Signature is the most advanced audio processor that CRL has ever offered. Unmatched in user friendliness and programmable power, it is ideal for FM, AM stereo, TV and production applications. Combining the power of digital with the best of analog, the Audio Signature is the key to your audio's distinction. A few of the many features are:

- Digitally Processed User Controls
- Separate Wideband & Multiband Control
- User Adjustable Multiband Crossovers
- Real Time Analysis Output Monitoring
- 8 Position Audio Diagnostic Metering
- 4 Memory Recall Sound Settings
- PC & Automation Remote Control Capability

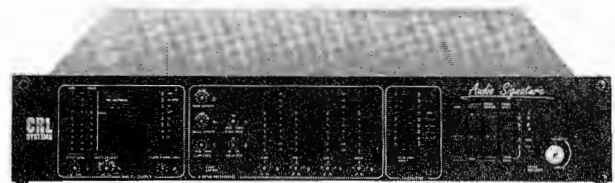
Audio Signature	PAS Price \$ _____	List.....5995.00
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ENERGY-ONIX

AM Protector-Enhancer from ENERGY-ONIX features:

- Meets NRSC
- 10 dbm Head room
- Switchable monitor de-emphasis circuit
- Front panel, switchable audio pre-emphasis circuit
- Built in 10 khz filter with attenuation consistent with NRSC specs
- Can be used with existing limiter
- Audio distortion less than 0.1%

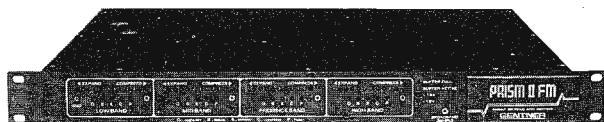
AM Protector-Enhancer	PAS Price \$ _____	List.....595.00
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R.F. PROCESSING

GENTNER

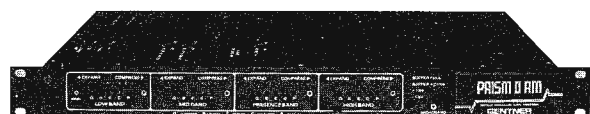
Audio Prism IIFM delivers world class modulation punch, better than or equal to anything else in the world, but without the grunge factors that can drive listeners away. The secret is digital control, which allows you to have the best of both worlds — power and clarity. The Audio Prism IIFM includes noise reduction and stereo enhance functions as standard equipment. Set up takes only minutes as its digital design is inherently stable. Once in place, you can take it for granted.



Audio Prism IIFM
RCF-1 Card Five

List.....1795.00
List.....489.00

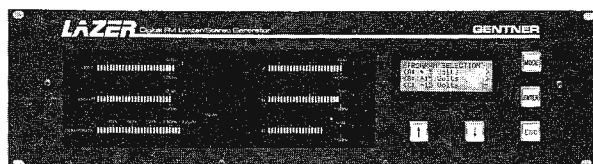
The Prism IIAM is a complete, monaural, AM, processing system, from console output to transmitter input. It begins with the industry-standard GENTNER Audio Prism, multi-band processor. To this proven performer are added the PR-1 Phase Rotator and AMC-2 AM modulation controller. The NRSC shelving-pre-emphasis and the NRSC 10 kHz 'brick wall filter' are implemented on the AMC-2.



Prism IIAM

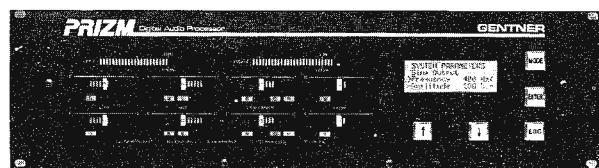
List.....1995.00

Lazer is the cleanest sounding FM Limiter/Stereo Generator available. Lazer handles audio purely in the digital domain. Because of this, Lazer provides excellent aural specifications including maximum stereo separation, precise limiting, and virtually no noise. The result: your audio retains its true sound. Total digital manipulation allows for consistent, precise audio. You receive pure stereo separation and exact limiting. Lazer's 3 band processing is phase linear for maximum transparency. Furthermore, once you've set your parameters they stay set. Tweaking isn't necessary. You can walk away from Lazer and feel confident that your adjustments will never drift.



Lazer PAS Price \$ _____ List.....6995.00

Prizm is a 4-band, all digital audio processor. It's designed to be used with Spectrum Systems' Lazer and Optical Encoder for purely digital audio processing. Digital processing keeps audio transparent while maximizing power and control. Spectrum Systems, which includes Prizm, Lazer and the Optical Encoder, has exceptional aural specifications. Minimum distortion and noise. Maximum punch. This clearer audio can result in reduced listener fatigue and higher ratings!

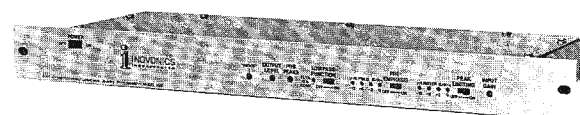


Prizm PAS Price \$ _____ List.....5995.00

CALL FOR PAS PRICING ON GENTNER PROCESSING

INOVONICS

The 222-00 from INOVONICS is an audio processor specifically intended for AM broadcasting. It incorporates an "adaptive" preemphasis characteristic to enhance signal intelligibility and "presence" and a sharp-cutoff low-pass function to eliminate adjacent channel interference. Features Built-in Peak Limiter; "Adaptive" Preemphasis; Feedforward PWM control; Stand alone or with existing processors.



222-00 PAS Price \$ _____ List.....620.00

R.F. PROCESSING

INOVONICS

INOVONICS 255-00 is a stereo audio processor with principal utility in the "contemporary music" FM broadcasting format. The user has been given almost unlimited control over program spectral distribution and density through a series of calibrated wide-range adjustments. Features: Gated AGC; Feedforward PWM control; Gated 3-band Compressor/Limiter; "Activity detector" masks processing artifacts.

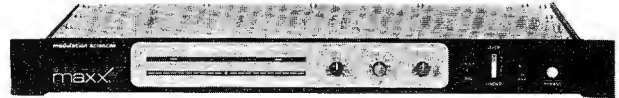
255-00 PAS Price \$ _____ List.....1990.00



MODULATION SCIENCES

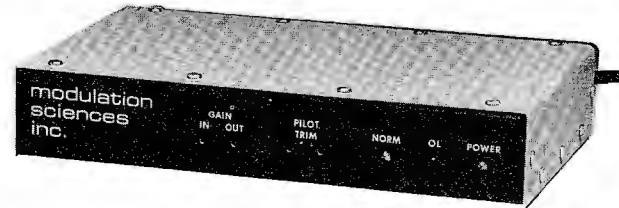
StereoMaxx makes your station sound BIGGER, not just louder. Almost all air chain processors work to increase loudness. StereoMaxx is different. It enhances and enlarges your station's stereo image. The stereo image becomes wider and deeper — actually extending beyond the speakers.

StereoMaxx PAS Price \$ _____ List.....2889.00



The Composite Processor Model CP-803 by MODULATION SCIENCES improves the sound of your FM station by eliminating peaks of overmodulation. These peaks occur in two ways. First, the CO-803 eliminates the brief electrical overshoots that exist in all audio limiters and stereo generators, even those described as overshoot compensated. Preventing such overshoots increases modulation with essentially no audible effect on the signal. Second it controls the high frequency peaks that are present in all program material. Controlling them makes greater average modulation possible. The audible effect is minimal, far less than that of conventional variable gain devices.

CP-803 PAS Price \$ _____ List.....1495.00



R.F. MONITORING

BELAR

The world leader in RF test and measurement systems, BELAR, brings you a new generation in FM modulation measurement. The Wizard features include: Menu driven 16 character alphanumeric display; Deviation in percent -0.1 Or 1 percent increments; Deviation in kHz -0.1 or 1 kHz increments; Up to 0.1% accuracy function of demodulator calibration; Self calibration to external calibrating signal; Pre-set peak mod-adjustable in 0.5% increments; Pre-set PPM-adjustable from 0 to 100 PPM; One rack height panel space, including precision demodulator.

WIZARD PAS Price \$ _____ List.....3300.00



R.F. MONITORING

BELAR

The AMM-3 Modulation Monitor is a precision, all solid state AM demodulator designed to measure AM transmitter modulation characteristics over a frequency range of 200 kHz to 160 MHz.

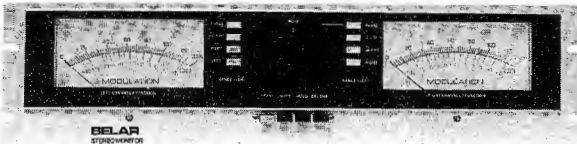


The BELAR AMM-4 is a digital AM frequency monitor designed especially for automatic broadcast transmitter monitoring. The counter will accurately monitor any frequency from 10 kHz to 50MHz.

The BELAR RFA-2 AM RF Amplifier, a selective high gain, all solid state unit with automatic gain control and companion to the AM frequency and Modulation Monitors makes it possible to monitor off-the-air AM signals accurately and conveniently without the problems associated with changes in transmitter power level, antenna patterns and signal fading.



The BELAR Model FMM-2 Modulation Monitor is a precision wideband, all solid state FM monitor, designed to measure the total modulation characteristics of monaural as well as multiplexed FM transmitters. It is also used as a low distortion and low noise FM demodulator to drive the companion stereo and SCA monitors, as well as providing audio outputs for aural monitoring and proof of performance measurements.

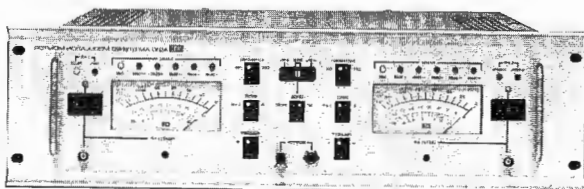


The BELAR Model FMS-2 Stereo Modulation Monitor is an all solid state precision stereo monitor designed to operate in conjunction with the BELAR model FMM-2 baseband modulation monitor. The FMS-2 is also used for test functions in conjunction with the model FMM-2 to ensure the proper performance of FM stereo transmitters.

AMM-3	PAS Price \$ _____	List.....1690.00
AMM-4	PAS Price \$ _____	List.....1190.00
RFA-2	PAS Price \$ _____	List.....690.00
FMM-2	PAS Price \$ _____	List.....1690.00
FMS-2	PAS Price \$ _____	List.....1890.00

BROADCAST ELECTRONICS

The AS-10 AM Stereo Modulation Monitor represents a substantial improvement in C-Quam monitoring technology. The AS-10 offers state of the art design innovation coupled with convenience features not found on other C-QUAM monitors. The advanced design and attractive styling of the AS-10 makes it the perfect companion for the BE Model AX-10 C-QUAM-AM Stereo Exciter.



AS-10	PAS Price \$ _____	List.....4800.00
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BIRD

The High Speed Watcher RF Monitoring System, Model 3171 is a new high speed monitoring system for remote and on-location supervision of transmitters ancillary services. The two most important features of the new design are a shortening of response time down to 200 microseconds, much faster than equipment protection requires and remote reset capability.



Call for application and pricing on all BIRD equipment
800-433-7668

R.F. MONITORING

GENTNER

The Silence Sensor monitors your audio source, observing both rising and falling edges of audio. If it notes a loss of audio or 'silence', an open collector output is activated and the time-out sequence begins. If audio returns before time-out, the unit reverts to a 'ready' state.

Silence Sensor PAS Price \$ _____ List.....449.00



MODULATION SCIENCES

ModMinder is an innovative, highly accurate digital device for measuring, displaying and analyzing using an 80C88 microprocessor. It processes modulation information digitally using an 80C88 microprocessor. ModMinder can work with any wide band demodulator, such as the one in your existing modulation monitor, a high-quality FM tuner or MSI's internal RF demodulator card. ModMinder provides a comprehensive, easy-to-use front panel display of modulation information, as well as extensive remote control and data transfer capabilities.

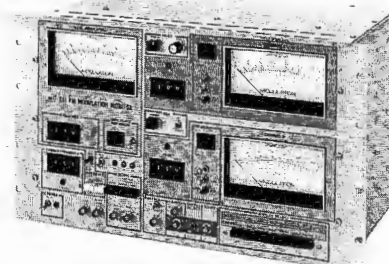
ModMinder PAS Price \$ _____ List.....2395.00



QEI

The 691 FM Monitor/Test Set is a high technology, precision instrument employing a combination of new techniques in a single, highly versatile, but very compact package. It was designed to be a complete FM test package with facilities for all proof-of-performance measurements and a wide range of trouble-shooting tests. Operator convenience and simplicity of use were primary considerations in the design of the 691. Component selection and device ratings are such as to enhance the instruments reliability even with adverse handling.

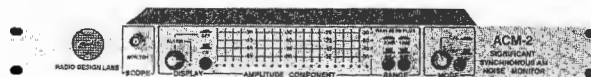
691 PAS Price \$ _____ List.....5610.00



RADIO DESIGN

The ACM-2, a Amplitude Component Monitor is a precise AM noise meter which connects to the RF sample on an FM transmitter or television aural carrier. A digital string display with 20dB of range displays AM noise for precise transmitter tuning. It interfaces with any remote control to sample and then read back a stable indication of AM noise. An adjustable alarm threshold can signal the station operator when AM noise has increased beyond a level you determine will cause reception problems.

ACM-2 PAS Price \$ _____ List.....695.00



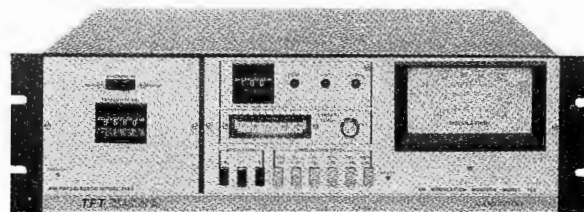
TFT

To accommodate today's multi-channel SCA operations, the 845 FM SCA Monitor is designed to handle up to three user-specified FM subcarrier frequencies, selectable from the front panel. Applications include: independent off-air SCA Monitoring, SCA Proof-of Performance measurements and checking the specifications of a subcarrier generator.

845 PAS Price \$ _____ List.....2735.00

The TFT Model 754 AM Modulation Monitor is a precision instrument which permits extremely accurate Proof-of-Performance measurements and transmission monitoring. The Accuracy is better than 1.0%. It is also fully adaptable to Automatic Transmission Systems. You can also use it off-air by adding the 755A Tunable Preselector Module.

753 PAS price \$ _____ List.....1760.00



R.F. MONITORING

TFT

To maximize your FM station's market coverage, TFT designed the Model 844A FM Stereo Modulation Monitor to help you reach all of your listeners, especially those in fringe areas, with maximum allowable modulation levels. It can be used for off-air monitoring of modulation level or for direct transmitter Proof-of-Performance measurements.



844A PAS Price \$ _____ List.....5150.00

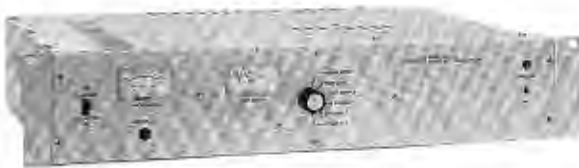
The TFT Model 884 FM Stereo Modulation Monitor is a cost effective alternative to TFT's popular Model 844. The 884 allows you to maximize your coverage with maximum modulation levels while maintaining the highest signal quality. It can be used for transmitter proof of performance measurements, or at the studio for off-air monitoring. The frequency synthesized pre selector can be used to select your own station's signal or the signal of another station for easy and convenient comparison.

884 PAS Price \$ _____ List.....3765.00

R.F. STL/TSL

MARTI

If you are serious about data/voice transmission, you should look at part 94 "Private Operational-Fixed Microwave Service" in the 928-960 MHz band. Bandwidths of 25, 50, 100 and 200 KHz are available to broadcasters for many uses except the final link of an STL. These frequencies are professionally data base coordinated interference free channels for reliable communications. MARTI has been providing FCC authorized equipment for this service. Bandwidths are licensed based upon demonstrated need; the wider channels reserved for wide band FM, high data rate, or multichannel uses. MARTI multichannel systems are not time shared, which means that data flows continuously on each channel.



CALL FOR PRICING AND CONFIGURATION

TFT

STL's from TFT are designed with broadcast application in mind using state of the art RF and digital technology. Some of the innovations in the 770B series STL include, IF modulated Transmitter, Modular construction, Front panel metering, Hot standby, ease of maintenance, RFI protected.



The 8300 is specifically designed for the major market's RF signal environment where it becomes increasingly difficult to operate composite STL's with the large number of signals present in the 940-960 MHz band. By using the latest technology and components, such as S.A.W. filters, selectable RF front end gain, variable bandwidth IF amplifiers and cast aluminum RF shielded housings for critical circuits, TFT was able to design one of the best STL systems available to the broadcaster for aural program transmission.

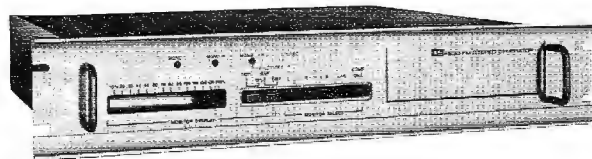
Model 8600/8601 is an economical, high quality STL system which is specifically designed for either single channel or dual monaural channel radio broadcast applications.

CALL FOR PRICING AND CONFIGURATION

R. F. GENERATORS

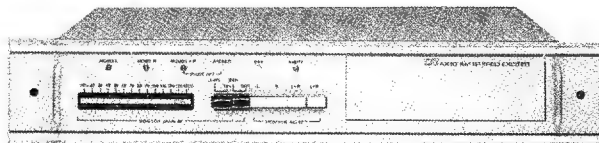
BROADCAST ELECTRONICS

The FS-30 Stereo Generator was engineered to provide the best in audio performance and has these following features: Ultrastable digital modulator and digital pilot generator; Selectable baseband equalization; LED peak modulation display: L,R,L + R, L -R and composite signals; Floating 50Ω output drives long coax; Full remote control, optically isolated control and status lines; Delay-equalized audio low pass filters provide minimum overshoot without clippers or other non-linear circuits.



FS-30 PAS Price \$ _____ List.....2595.00

The AX10 Stereo Exciter is designed to produce C-Quam AM Stereo when interfaced with virtually any existing AM broadcast transmitter. The AX10 assures superior stereo performance through an advanced IF modulation scheme employing independent, non-interfacing left and right channel digital modulators. The result is exceptional AM Stereo with full mono receiver compatibility.



AX10 PAS Price \$ _____ List.....5700.00

CRL

The SCA-300B Subcarrier generator is an advanced concept in SCA generation techniques with the frequency-locked digital design ensuring superior carrier frequency stability, while providing linear modulation characteristics. It is designed to handle any type of data or audio application. Integral dual band audio limiting provides consistent full modulation for music or voice applications. Precise non-overshooting filters ensure a clean spectral output and provides for maximum protection of the main stereo sub-channel.



SCA-300B PAS Price \$ _____ List.....1950.00

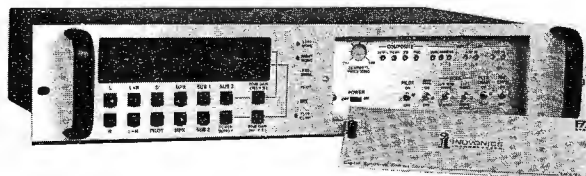
The SG800 stereo generator represents a major improvement in the state of the art. It offers superior dynamic transient handling capability, transparent sound, and exceptionally low distortion. It was designed to handle highly processed audio. The SG800 has superior signal to noise performance, minimum of 80 db, typically 85 to 90 db. It also has outstanding separation and digitally synthesized carrier generator.



SG800 PAS Price \$ _____ List.....2490.00

INOVONICS

The model 706 is a second generation FM Stereo Generator incorporating the FMX Transmission System as an easily-installed plug-in option. FMX Stereo transmission give the broadcaster a substantial increase in his noise-free coverage area. Features of the 706 are Digital synthesis of composite signal; Front-panel metering of internal levels; Built-in combining for up to 3 SCA or RDS inputs; Interfaces with many audio processing systems; Internal Composite Processor.



706 PAS Price \$ _____ List.....3120.00

A full-featured, stand-alone Stereo Generator incorporating necessary low-pass filtering and transmission preemphasis function is the 705 from INOVONICS. The subcarrier and pilot signals are generated by digital circuitry to assure optimum performance and drift-free operation. Features are Patented overshoot compensation; Built-in peak overmodulation protection; Easy setup and maintenance; FMX System plug in option.



705 PAS Price \$ _____ List.....1375.00

R.F. GENERATORS

MARTI



The **MARTI** Model SCG-10 Subcarrier Generator is designed to operate in SCA service with an FM broadcast transmitter or with a Model SCD-10 Subcarrier Demodulator, to form a subcarrier link on a STL system. The SCG-10 has several options available which allow it to perform a wide range of functions in broadcasting and communications.

SCG-10	PAS Price \$ _____	List695.00
SCD-10	Subcarrier Demodulator	List695.00
	PAS Price \$ _____	

MODULATION SCIENCES



Sidekick combines the four elements needed for successful SCA operation into one package: subcarrier generator, modulation monitor, audio processor and transmitter tuning aid. Engineered to work together, these components form an integrated system which provides a level of performance previously unattainable. Crosstalk is dramatically reduced, signal quality is significantly improved and operation is greatly simplified.

Sidekick	PAS Price \$ _____	List3835.00
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QEI



The **QEI** Model 772F Stereo Generator is an all solid state unit designed to meet or exceed the FCC requirements for stereo multiplex FM transmission. The Generator is manufactured in a standard 3 1/2" x 19" rack mount and is completely self-contained with its own power supply. The composite signal is generated using the time division technique thereby reducing the complexity of the circuit and the number of adjustments.

772F	PAS Price \$ _____	List1795.00
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R.F. RPU

MARTI



Most everyone in broadcasting know what a "MARTI" is. It is the trusted friend that is used on remote pickup broadcasts. The **MARTI** RPU equipment incorporates the best, most practical mix of features requested by broadcasters and implemented in the very latest electronic and manufacturing technology. The most important feature **MARTI** never forgets is simplicity, the feature that enables non technical personnel to produce professional sounding live remotes.

RPT-30	RPU Broadcast Transmitter Single Frequency	List1695.00
RPT-30/2	RPU Broadcast Transmitter Dual Frequency	List1725.00
RPT-15	Portable/Mobile/Airborne Transmitter Single Frequency	List1075.00
RPT-15/2	Portable/Mobile/Airborne Transmitter Dual Frequency	List1105.00
RPT-2	Hand Carried Transmitter Single Frequency	List1045.00
RPT-2/2	Hand Carried Transmitter Dual Frequency	List1075.00
AR-10	Mobile Relay Receiver Single Frequency	List1195.00
AR-10/2	Mobile Relay Receiver Dual Frequency	List1225.00
CR-10	RPU Broadcast Receivers Single Frequency	List1195.00
CR-10/2	RPU Broadcast Receivers Dual Frequency	List1225.00



Call for PAS pricing and system configurations

R.F. TRANSMITTERS

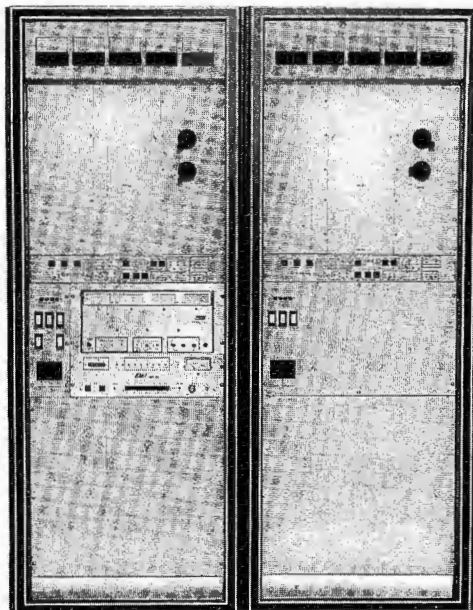
ENERGY-ONIX

ENERGY-ONIX transmitters are engineered from the ground up to be truly user friendly. The Solid State Control Systems feature manual or automatic control. In the automatic mode the control ladder is independent of the transmitter operation. That means that momentary power outage that affect the control ladder won't affect the transmitter. There is a 4 cycle restart program and auto high VSWR cut back to protect your system. With the built in battery in the test system many parameters can be set without turning on the transmitter. Remote operation is easy with the ENERGY-ONIX optoisolated control points. Interface to all the popular remote controls is a snap. ENERGY-ONIX uses the proven grounded grid design that requires less maintenance, has lower replacement tube cost and thanks to new solid state 1PAs have efficiencies that are also too good to be true. The exciter has been designed for maximum value also. Features include built in frequency counter and full 50 watts output.

ENERGY-ONIX has power levels starting from 30 watt all the way up to 50 kwatt.

MK 1.5	1500 Watts	List	17,500.00
MK 7.5	7500 Watts	List	29,500.00
MK 25	25 Kwatt	List	53,750.00
MK 30	30 Kwatt	List	54,950.00

CALL FOR PAS PRICING



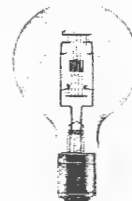
R.F. ACCESSORIES

TOWER LAMPS

DURO-TEST

DURO-TEST lamps have the reputation of outlasting other lamps on the market. They typically last up to 4 times the others. Their longer life rating and sturdy construction will keep your Engineer on the ground instead of up the tower replacing lamps.

Contact your PAS Representative for application and pricing



GENERAL ELECTRIC

GE bulbs carry the reputation of GENERAL ELECTRIC behind them. This assures you of the highest quality and competitive pricing. GE bulbs are recommended by many tower crews for their value.

Call your PAS Representative for all your bulb needs



TOWER FLASHERS

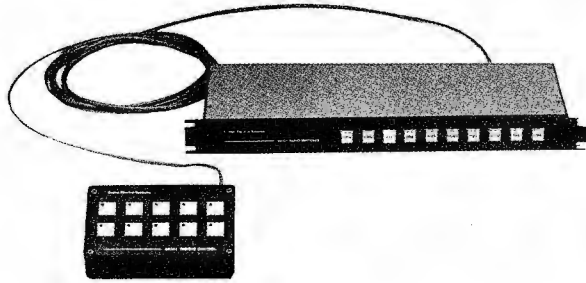
SSAC

PAS carries the complete line of SSAC flashers, flasher alarms and solid state relays. Call your PAS Pro for application information and pricing on SSAC products. Solid state flasher prices start at just \$ 72.50. Call and update your system today.



ROUTING SWITCHERS

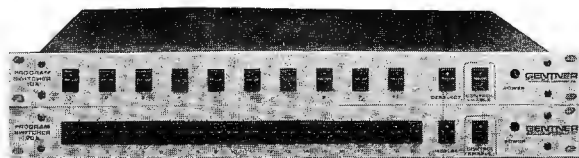
CONEX



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.

AS-101	PAS Price \$ _____	List.....895.00
AS-401	Remote Control	
	PAS Price \$ _____	List.....150.00

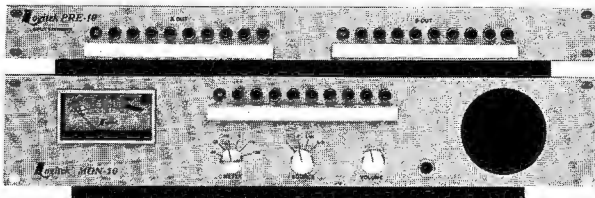
GENTNER



Signal Switchers 10 and 20 use highly dependable magnetically latching relays to route audio, data or control signals through your facility. Because the switching process is passive, with no loads or amplifiers of any kind, it's transparent to your signal. GENTNER switchers are insensitive to voltage fluctuations. Even if the units lose power, the proper source remains selected.

10	PAS Price \$ _____	List.....899.00
20	PAS Price \$ _____	List.....899.00

LOGITEK



Here are two unique items everybody needs but nobody has the time to build for themselves. The LOGITEK PRE-10 input expander is a passive routing switcher which feeds any of ten monaural inputs to either of two outputs. The MON-10 multi-source meter/monitor feeds any of ten stereo inputs to a single stereo output, and also feeds the selected input to a multi-range meter, a 6 watt speaker and a front panel headphone jack. Both are backed by the LOGITEK exclusive Five Year Limited Warranty.

PRE-10	Mono	List.....495.00
PRE-10	Stereo	List.....540.00
MON-10		List.....845.00

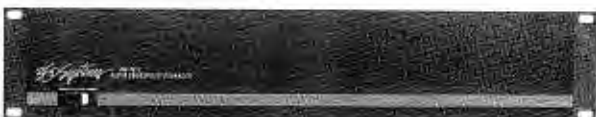
CALL FOR PAS PRICING

360 SYSTEMS



The AM-16/B Audio Crosspoint Switcher is a self-contained master switcher that supplies everything needed in a 16 input, 16 output system. It's equally effective for broadcast, production houses, or public buildings. Full front panel control and display facilities are included on the AM-16/B, which can be configured for 16x16 monaural or 8x8 stereo operation.

PRICING STARTS AT \$ 1495.00 CALL FOR MORE INFORMATION



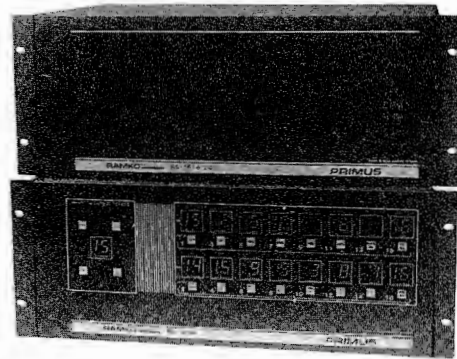
EXPERIENCE THE
PPRICE
AND
SSERVICE
DIFFERENCE

ROUTING SWITCHERS

RAMKO

The basic RS-1616 is a matrix switch system. In general, a matrix switch has an input section, a switch section and an output section. The RS-1616 is an output oriented system. The inputs are constantly available to all outputs and switching is done at the outputs. Two different switching methods can be provided in RS-1616 systems. The first allows each output to connect to only one input at a time. The second method allows each output to connect to more than one input at a time and sum them together.

Call PAS for pricing and configuration on an RS-1616 system to fit even the largest system.



SPEAKERS

AURATONE

There is no hype or exaggeration in AURATONE Quality Sound Monitors reproduction. Just faithfully accurate sound that gives pure, unadulterated super star playback performance. The AURATONE 5CV Super Sound Cubes provide amazing performance for their size. Smooth full range response, 30 watts RMS power handling and portability make them a favorite of many. PAS carries the complete line of AURATONE speakers.

5CV PAS Price \$ _____ List119.95 pr,



ELECTRO-VOICE

A studio monitor is a critical tool that delivers the final test of audio quality. Regardless of the studio environment, Sentry monitors are designed to allow dependable, accurate sound control along with high efficiency, high power handling, low distortion, uniform polar patterns, consistent linear response. The Sentry 100EL has the components of the 100A with an integral high performance 50 watt power amplifier. The Sentry 505 is the acoustical equivalent of the Sentry 500 in a 30% smaller housing.

100A PAS Price \$ _____ List317.00 ea.

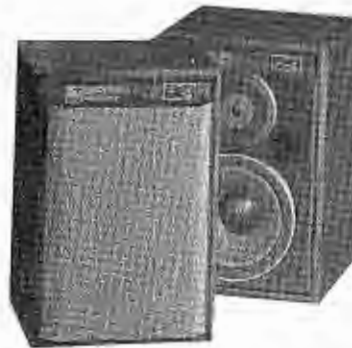
100EL PAS Price \$ _____ List659.00 ea.

500 PAS Price \$ _____ List627.00 ea.

505 PAS Price \$ _____ List627.00 ea.

The ELECTRO VOICE FR12-2 is an unusually compact, two-way, medium-to-high-efficiency, constant-directivity speaker system designed for indoor sound reinforcement in commercial installations, such as churches, meeting halls and small auditoriums.

FR12-2 PAS Price \$ _____ List592.00 ea.



PAS CARRIES THE COMPLETE E-V SPEAKER AND COMPONENT PRODUCT LINES

SPEAKERS

ELECTRO-VOICE



The compact **ELECTRO-VOICE FM-1202ER** is a 300 watt, two-way, high-efficiency, constant-directivity stage monitor. Possible system orientations are at 35°, 45° or perpendicular to the floor. It combines professional quality components, arranged in a time coherent vertical array, with an unusually durable Thiele-Small aligned vented enclosure. The result is clear and articulate high quality sound.

FM-1202ER PAS Price \$ _____ List704.00 ea.



The **ELECTRO-VOICE S-40** is an extremely compact high-performance monitor loudspeaker system. It is ideally suited for indoor or outdoor applications requiring high-quality sound reproduction. As a near-field monitor in control rooms or broadcast studios, or as a foreground or background loudspeaker in restaurants and clubs.

S-40 PAS Price \$ _____ List336.00 pr.

FOSTEX



The **SP-Series** from **FOSTEX** are PA speakers for sound reinforcement. It is also an excellent spot monitor for musicians on stage. The **SP-11MkII** is a modular PA speaker with two 4" drivers. The **SPA-11** is the **SP-11** with a built in 100 Watt amplifier. There is also an equalizer switch on the mic input for Music (EQ emphasis) or Speech (flat).

SP-11MkII PAS Price \$ _____ List270.00 ea.

SPA-11 PAS Price \$ _____ List399.00 ea.



A built in 10 watt amplifier provides a big sound from these small, versatile **6301B** powered monitors. Accepts any line level signal, so they are useful for instruments, remote recording, video productions, etc. Includes power switch LED indicator, volume control and amplifier output for driving other speakers or headphones. Model **6301 BEAV** has balanced XLR-type input and output connectors and is video shielded.

6301B PAS Price \$ _____ List350.00 pr.

6301BEAV PAS Price \$ _____ List410.00 pr.

JBL



JBL's most versatile loudspeaker system excels in a variety of applications. Compact and rugged, the **SLT-1** mounts easily in restaurants, churches, recording studios and mobile audio video installation. The **SLT-1** has smooth, accurate response from 100Hz to 18 kHz (±3 dB)

SLT-1 PAS Price \$ _____ List225.00 ea.

SPEAKERS



JBL

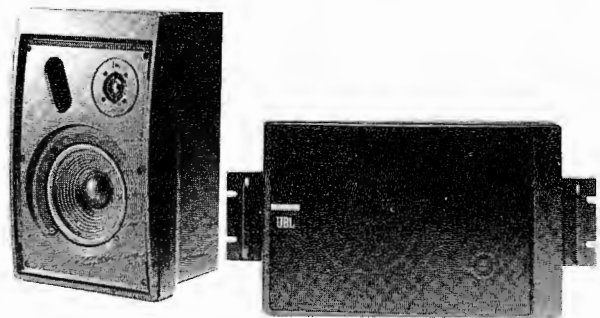
JBL's remarkable new generation of studio monitors captures the full dynamic range, extended high frequency, and precise character of your sound as no other monitors in the business. With the 4400 Series JBL introduced a new standard in small systems. These monitors exhibit the smoothest power response JBL ever produced in each size class, and the most extended high frequency axial response.

- 4406 PAS Price \$ _____ List.....500.00 pr.
- 4408 PAS Price \$ _____ List.....325.00 ea.
- 4410 PAS price \$ _____ List.....495.00 ea.
- 4412 PAS Price \$ _____ List.....750.00 ea.



JBL introduces a complete line of control monitors. Ultra flat frequency response (based on cabinet size) makes the Control Series perfect for portable studios, midi rooms, video monitoring and high performance PA monitoring. Each Control speaker has a variety of mounting brackets and stands available for every application. Whether you're a musician or a recording engineer you'll find the sound you need in the JBL Control Series.

- Control 1 + Personal Sized Monitor List.....295.00 pr.
- Control 5 6 1/2" Woofer, 2 way design List.....395.00 pr.
- Control 10 12" Woofer, 3 way system List.....575.00 ea.
- Control 12SR 12" Woofer, 2 way design List.....795.00 ea.



PAS CARRIES THE COMPLETE JBL MONITOR AND COMPONENT PRODUCT LINES

RAMSA

Featuring a 12 inch low frequency transducer in a ported enclosure, a high-quality compression driver mounted to a constant directivity twin Bessel horn and a phase compensated two section frequency dividing network with built-in driver protection, the WS-A200 delivers outstanding performance from 70 Hz to beyond the audible frequency range.

- WS-A200 PAS Price \$ _____ List.....590.00 ea.



TANNOY

The 6.5 is the smallest, most cost effective, full bandwidth mini monitor on the market today. Its clever, rear firing tuned port produces a staggering low frequency response down to 57 Hz and allows for its extremely compact size. In the studio this combination of qualities allows the 6.5 to function as a superb monitor on the console for mix downs, in the dubbing room, edit suite, or the quality control listening room.

The larger PBM-8 broadens the range of applications. With its extended low frequency response and smooth 1" ferrofluid cooled polyamide hi frequency driver, the PBM-8 is better suited than its little brother for use with electronic music, jazz, classical or any form of acoustic music.

- PBM-6.5 PAS Price \$ _____ List.....338.00 pr
- PBM-8 PAS Price \$ _____ List.....478.00 pr



SPEAKERS

YAMAHA



The **YAMAHA NS-10M** Studio speaker system has been created specifically for close-field monitoring in professional sound studios. To achieve optimum performance in demanding professional applications, the NS-10M Studio has been provided with plenty of power input capacity to handle the higher power levels required in the relatively "dead" acoustic environment of the professional studio. The high end output has been designed to optimally match the monitoring condition in the studio control room. The NS-MC retains the superlative sound and performance of the NS-10M Studio, but additionally offers wall, ceiling or stand-mount capability plus an elegant speaker grille.

NS-10M PAS Price \$ _____ List.....430.00 pr.
NS-10MC PAS Price \$ _____ List.....510.00 pr.

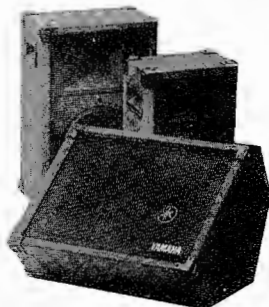


PAS is proud to carry the complete **YAMAHA** Studio Monitor and Sound Reinforcement line of speakers. For more information and pricing on **YAMAHA** Series III Sound Reinforcement and the Club and Oak Series Musician /Contractor speakers call your PAS Sales Pro today.



The **MS60S** power monitor speaker system from **YAMAHA** provides a compact and efficient sound system for small sound reinforcement, on-stage monitoring and studio applications; flexible input configuration, built-in amplifier and master volume control eliminate the need for an external mixer. Features are built-in 60 watt simplifier, providing an SPL of 108 dB; 2 input channels, two with continuously variable mic/line level controls: one balanced mic/line lever XLR input, one mic/line phone input and one phone line input; two band global equalization controls. Rackmountable (with the RK60) for installing in a standard 19" rack.

MS60S PAS Price \$ _____ List.....525.00 ea.



When small size and maximum portability are important, the **SM10HII** should be your first choice. Its characteristics include: Response ± 3 dB from 70 Hz to 20 kHz; 70 x 40 degree dispersion. When a larger monitor is acceptable and extended low-frequency is needed, select the **SM15HII**. It offers response ± 3 dB from 50 Hz to 16 kHz.

SM10HII PAS Price \$ _____ List.....250.00 ea.

SM15HII PAS Price \$ _____ List.....325.00 ea.

SPEAKER ACCESSORIES

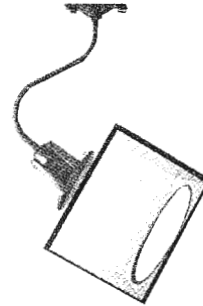
MOUNTS

OMNIMOUNT

The uses for the **OMNIMOUNT** system are limited only by your imagination. The heart of the **OMNIMOUNT** system is a patented ball and clamp assembly. It works with a variety of tube lengths and bend configurations, brackets, mounting plates, pipe adaptors and accessories available in many sizes and load handling capabilities. To select the right model for the job you need to know three basic things:

- Location and type of the mounting surfaces
- Weight of the object to be mounted
- Overall dimensions of the object to be mounted.

Call for Application and Pricing

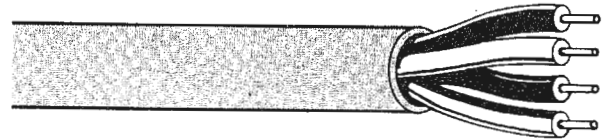


WIRE

WEST PENN

WEST PENN has speaker wire for every application. All speaker wire is twisted pair with or without jacket. Available in solid or stranded with black and white primaries. Wire sizes from 22 to 12 gauge lets you fit the wire to the job.

Call your **PAS** Sales Pro for pricing and delivery on the exact **WEST PENN** wire for your needs.



SURGE PROTECTORS

FURMAN

Model AR-117 A.C. Line Regulator is intended to protect computer, audio, video and other electronic equipment from problems caused by A.C. line voltage irregularities—brownouts or overvoltages that can cause sensitive digital equipment to malfunction or in extreme cases, to sustain damage.

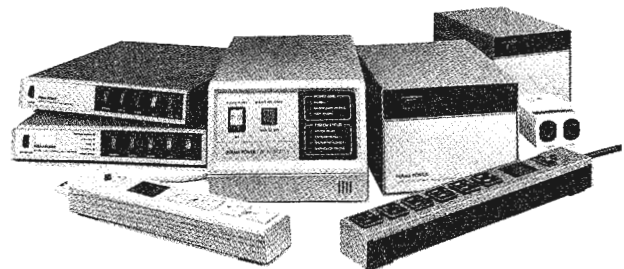
AR-117 PAS Price \$ _____ List.....549.00



PERMA POWER

PERMA POWER Surge Suppressors feature single-stage filtering, provided by three heavy duty metal oxide varistors, to provide protection on all three conductors in a typical 120VAC circuit. Extended Life Surge Suppressors have a 2 stage circuit which uses heavy-duty metal oxide varistors to protect you against high-voltage lightning-induced surges and high speed semiconductor devices to protect against frequent fast surges. Only this kind of hybrid circuit can provide the necessary high power dissipation while still providing fast response time and low let-through voltage.

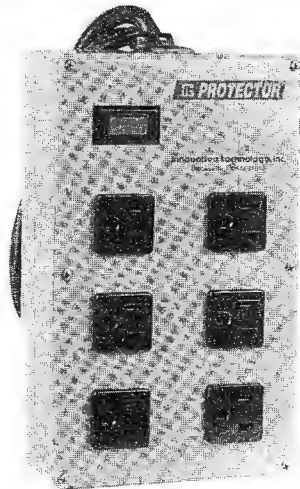
PERMA POWER prices start at just \$ 22.60 for a four outlet power strip. Call **PAS** for pricing and details on the **PERMA POWER** product for your application.



AT PAS CUSTOMER SERVICE IS #1

SURGE PROTECTORS

PROTECTOR



Standard P Series **PROTECTOR** panel units will protect any AC service panel up to 400 amps. Panel units are a passive parallel installation and mount directly to the service panel. Hardwire panel units will protect all the equipment supplied by the panel from harmful surges and spikes.

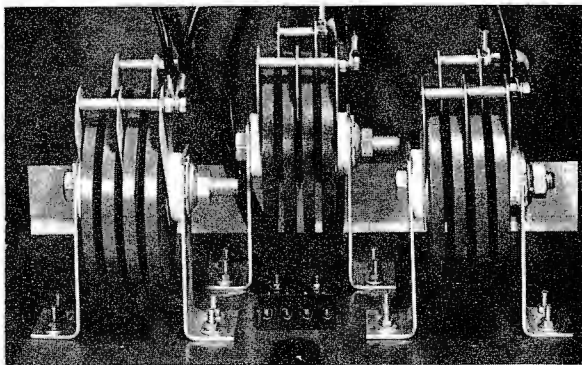
PROTECTOR P Series prices start at \$ 445.00. Call PAS for pricing and application.

The Equalizer offers maximum surge and spike protection for computers, fax machines, audio and video equipment. It instantly suppresses voltage surges and spikes, has complete line noise filtering and super filtered grounded outlets.

2 Outlet with EMI/RFI List.....59.00
6 Outlet with EMI/RFI List.....90.00

Call for PAS pricing

TTC/WILKINSON



The **WILKINSON** Electronics Line Surge Protector is far superior to standard lightning arrestors, surge reactors or other AC line protection devices. AC line voltage surges, caused by lightning, transformer arcing and induced transients are everyday occurrences that cause heavy damage to equipment incorporating silicon rectifiers, mercury vapor tubes, or other semi-conductor devices. The **WILKINSON** model S1A protects valuable equipment against surges that often exceed many times the normal line voltage.

S1A1 120V Single Phase List.....825.00
S1A2 220/240V Single Phase List.....1595.00
S1A3 208/220/240V Three Phase List.....2250.00
S1A4 415/460/480V Three Phase List.....2650.00

Call for PAS pricing

TELEPHONE

BROADCAST ELECTRONICS

PC-1, See page 21

GENTNER



Microtel is a portable, battery-operated device that replaces the handset of modular telephones. You simply unplug the telephone cord at the handset and plug it into Microtel, then connect your microphone, headset, tape recorder or other source. With Microtel, news reporters can feed a complete story with actualities without having to rip apart the telephone and salespeople have a hands free telephone and the ability to record or to send taped information down the line to clients.

MICROTTEL PAS Price \$ _____ List.....239.00



The SPH-3A is a workhorse telephone hybrid that provides an easy, affordable interface between a telephone line and your equipment. The SPH-3A can be used for "on air" interviews and talk shows, recording telephone calls in the production studio or newsroom, or for teleconferencing applications.

SPH-3A PAS Price \$ _____ List.....529.00

TELEPHONE



GENTNER

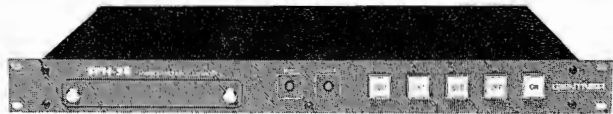
The Auto Coupler is an auto-answer, auto-disconnect telephone coupler designed for your varied telephone needs. Its versatility makes it the ideal choice for automatic telephone coupling requirements. This simple box is filled with many exciting extras. GENTNER's Auto Coupler incorporates a telephone hybrid that allows you to send and receive audio simultaneously, providing balanced audio to your equipment. It connects easily to your telephone set and line using standard modular connectors. Auto Coupler CP, has a built-in Call Progress Decoder that works with most telephone equipment

Auto Coupler PAS Price \$ _____ List.....284.00
 Auto Coupler CP PAS Price \$ _____ List.....299.00



The SPH-5E is a high-performance analog telephone hybrid with built-in single line frequency extender. To use the frequency extenders, you press a single button. This eliminates the need for extra equipment and keeps you from tying up other console inputs for your extended remotes. The SPH-5E provides superb telephone audio for your on-air calls and interviews. This unit's advanced analog circuitry provides the best null available in analog hybrids, keeping feedback and hollow sounding audio out of your operation. When used as a frequency extender, the SPH-5E recovers low audio frequencies that are normally lost on phone lines.

SPH-5E PAS Price \$ _____ List.....1329.00



The EFT-100 can make your broadcast remotes or teleconferences sound better. The unit's unique digital process called "frequency extension" recovers low end frequencies, reduces the ambient noise level and filters out hum and line noise. The result is clear, pleasant sounding telephone audio.

EFT-100 PAS Price \$ _____ List.....549.00



GENTNER's EFT-900A improves the sound of the telephone line through frequency extension, Aphex processing, noise reduction and precision filtering. An internal telephone coupler, headset output and mic/line input keep your remote equipment needs to a minimum. Even better, the EFT-900A keeps the cost of your remotes low by eliminating the need for a second telephone line for cues.

EFT-900A PAS Price \$ _____ List.....829.00



EFT-1000A is the same as the EFT-900A with fully automatic answer and hookup.

PAS Price \$ _____ List.....1295.00

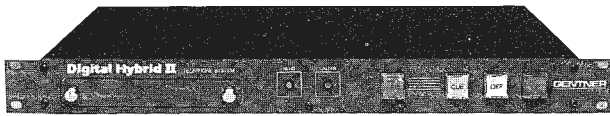
The EFT-3000 has total automatic set-up, utilizing advanced Digital Signal Processing technology, ensuring the best possible sound for your remotes. Just connect the EFT-3000 to your audio equipment and the telephone lines, it takes care of the rest including auto-dialing, automatic answer, automatic encode/decode, group delay adjustment, phase correction and equalization. The EFT-3000's two way operation allows for easy cueing of the remote site. In addition, built-in microphone and headset amplifiers and a front panel Touch-Tone pad eliminate the need to take extra equipment to the remote site.

EFT-3000 PAS Price \$ _____ List.....4997.50



TELEPHONE

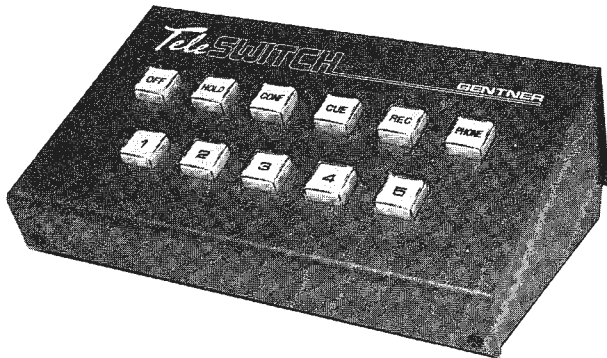
GENTNER



GENTNER's Digital Hybrid II addresses the needs of today's broadcast facilities. It uses digital signal processing (DSP) technology to deliver the best possible hybrid null, eliminating annoying feedback and hollow sounding announcer audio. Telephone audio is crisp, clear and understandable. And, with its added RECORD and CUE features the Digital Hybrid II easily adapts to your needs. To record a call, you simply press the RECORD button. The DH-2 takes over from there, AUTOMATICALLY firing your tape machine. It also stops your tape machine when the call is over.

Digital Hybrid II

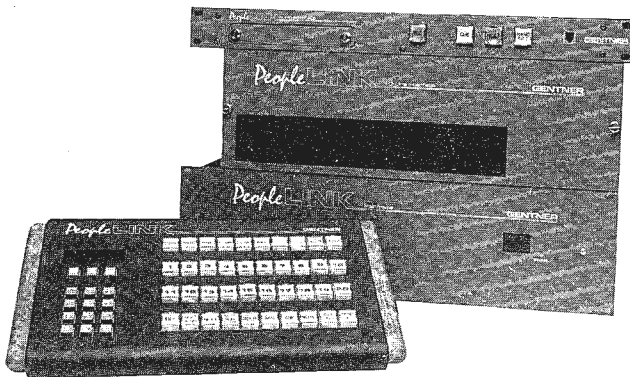
PAS Price \$ _____ List1895.00



GENTNER's TeleSwitch is the logical solution to your basic telephone line selection needs. No longer do you have to 'hot wire' a multi-line telephone set to access multiple lines. With TeleSwitch, up to five lines can be directly connected, placed on hold, and routed to a hybrid or telephone set. Whether you use the unit for broadcasting or teleconferencing applications, you will appreciate its versatility and simplicity. You can link multiple units together to interface more lines. TeleSwitch will work with most business phone systems. Because the unit uses standard RJ-11C telephone connectors, it can be installed by virtually anyone.

TeleSwitch

PAS Price \$ _____ List995.00



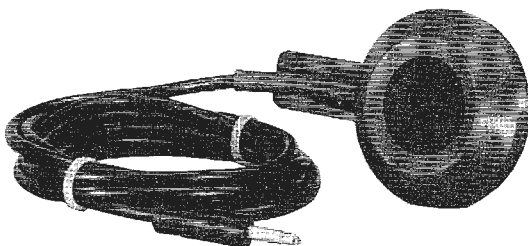
Using People Link and your existing phone lines, you can revolutionize the way you broadcast. Whether you want to conference callers, air call-in talk shows, run caller contest, conduct opinion polls, or just screen callers, PeopleLink is ready for the task. With the push of a button your imagination becomes reality. PeopleLink makes your job simple by providing you with numerous application possibilities tailored to your organization's needs. No longer do you have to piece together telephone and audio equipment to achieve a personalized phone system. PeopleLink's unique arrangement allows you to connect up to 40 telephone lines. You also have the option of using it as a stand-alone on air telephone system or in combination with your existing business telephone system.

CALL FOR PRICING AND CONFIGURATION

HENRY

Telecart, See page 21

SHURE



The 50 AC is designed to acoustically couple tape-recorded information to a telephone handset transmitter. This is most useful in recorded interview broadcast applications when a tape recorder cannot be "hard-wired" to a telephone line. A simple strap assembly easily attaches and holds the 50AC in place on almost any telephone handset. It can also be used in real-time broadcast applications with a mixer that has a line-level output. The 50AC can be used as a tape recorder microphone, its frequency response approximates that of a telephone.

50AC

PAS Price \$ _____ List67.00

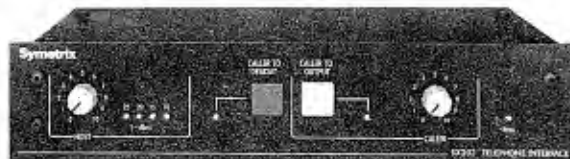
TELEPHONE



SYMETRIX

The Model SX203 Telephone Interface is a single line coupling device that provides high quality audio transfer between telephone lines and professional audio equipment. Very fast hook up and ease of operation make the SX203 ideal for radio and television talk shows and news gathering, recording studios and teleconferencing.

SX203 PAS Price \$ _____ List.....389.00



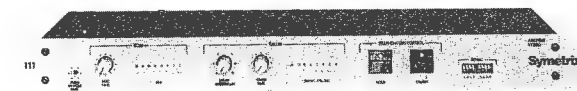
The SYMETRIX TI101 Telephone Interface is the most practical, yet economical device on the market today designed specifically for the connection of professional audio equipment to telephone lines in broadcast and production operations. The TI-101 employs a carefully engineered electronic hybrid circuit which creates a maximum trans-hybrid loss, yielding effective isolation between your studio's send to the telephone line, and your caller return signal. You net result is clear, intelligible telephone audio which helps you keep pace with today's rapid improvements in AM, FM and TV audio.

TI-101 PAS Price \$ _____ List.....549.00



The Model 111 Adaptive Hybrid is an automatic digital telephone interface intended for use in situations where audio quality simply cannot be compromised. The 111 employs a new highly refined design. With its exclusive adaptive hybrid operating system running in a high speed digital signal processing environment, it consistently delivers the best possible trans-hybrid loss with any phone line.

111 PAS Price \$ _____ List.....1695.00



The Model 104A is a complete, stand-alone telephone system for use in radio and television talk shows, teleconferencing systems, instructional television programs, remote IFB systems — any program environment that calls for audience participation or direct listener response. Specialized line handling functions, color-coded keys and easy to see LED indicators, make this system ideal for fast paced live production. Engineers who have installed the 104A say it's so easy to use "even talent can learn it in a matter of minutes."

104A PAS Price \$ _____ List.....2395.00
 104 Control (Optional extra Control Box) PAS Price \$ _____ List.....495.00

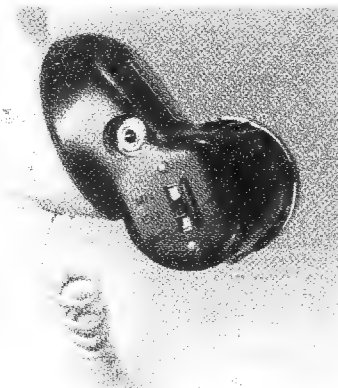


SOUND AMERICA

Voice Act provides the best quality voice communications via telephone and is the only device of its kind. The unit is comprised of a microphone, external input jack, a function selector, a transistor amplifier and a stainless steel multilayer windscreen. It simply screws on in place of the regular phone transmitter, does not interfere with normal phone operation and may be left on permanently. It is powered by the telephone and requires no batteries. A tape recorder may be connected directly to the phone through the external jack while still permitting instantaneous 2-way communications.

Western Electric Type List..... 87.95
 GTE Type List.....95.95
 Carrying Case List.....8.95
 Patch Cord List.....3.50

CALL FOR PAS PRICE



TELEPHONE



SOUND AMERICA

The RSVP (Record or Send Verywell Phone) is a standard US made 2500 Series Touchtone phone with a built-in audio coupler. Panel on phone base has SEND jack (8Ω) for direct connection to cassette recorder or other electronic source and RECORD jack (low imp.) provides clear balanced signal to record conversations. It also has an amplified electret condenser microphone for superior voice quality.

RSVP PAS Price \$ _____ List.....137.50
 SVP (Send Only) PAS Price \$ _____ List.....119.50

TAPE Digital (DAT)



PROFESSIONAL SERIES — Fully Packaged Cassettes

	LENGTH	CTN	SGL	1-3	4+
		QTY		CTN	CTN
467RO45P	45 Min	10	9.50	8.55	8.08
467RO60P	60 Min	10	10.95	9.86	9.31
467RO90P	90 Min	10	13.15	11.84	11.18
467R120P	120 Min	10	15.35	13.82	13.05

AMPEX



R-DAT SERIES — Fully Packaged Cassettes

	LENGTH	CTN	SGL	1-3	4+
		QTY		CTN	CTN
R-46DM	46 Min	10	7.90	7.11	6.72
R-60DM	60 Min	10	9.22	8.30	7.84
R-90DM	90 Min	10	11.11	9.99	9.44
R-120DM	120 Min	10	13.16	11.84	11.19

MAXELL

TAPE SPLICING

41A SERIES — ACETATE

	CTN	SGL	1-3	4+
	QTY		CTN	CTN
7/32" (1/4") x 66'	12	3.15	2.84	2.68

620 SERIES — 1 MIL POLYESTER

	CTN	SGL	1-3	4+
	QTY		CTN	CTN
7/32" (1/4") x 66'	12	4.30	3.87	3.66

67 SERIES — .9 MIL BLUE POLYESTER

	CTN	SGL	1-3	4+
	QTY		CTN	CTN
7/32" (1/4") x 100'	12	5.25	4.73	4.47
1/2" x 100'	12	7.10	6.39	6.04
1" x 100'	12	10.80	9.72	9.18

RE-LABEL TAPE

	CTN	SGL	1-3	4+
	QTY		CTN	CTN
	12	1.85	1.67	1.58

3M SPLICING TAPE AND RE-LABEL TAPE IS IN STOCK FOR IMMEDIATE DELIVERY

PRICES LISTED ARE PAS PRICES ON 3M TAPE

TAPE AUDIO

AMPEX

456 SERIES — 1.5 Mil Polyester "Grand Master"

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
456-151111	1/4" x 1200'	7"	20	8.82	7.94	7.50
456-17611T	1/4" x 2500'	Hub	10	12.80	11.52	10.88
456-17611P	1/4" x 2500'	PR	10	17.72	15.95	15.06
456-17311J	1/4" x 2500'	MR	10	23.38	21.04	19.87
456-272111	1/2" x 2500'	Hub	7	31.06	29.51	27.95
456-273111	1/2" x 2500'	MR	7	38.55	36.62	34.70
456-572111	1" x 2500'	Hub	5	60.72	57.68	54.64
456-573111	1" x 2500'	MR	5	66.74	63.40	60.07
456-97G111	2" x 2500'	MR	2	144.51	137.28	130.06

406 SERIES — 1.5 Mil Polyester

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
406-151131	1/4" x 1200'	7"	20	7.43	6.69	6.32
406-17613T	1/4" x 2500'	Hub	10	10.32	9.29	8.77
406-17613P	1/4" x 2500'	PR	10	15.97	14.37	13.57
406-17313J	1/4" x 2500'	MR	10	19.10	17.19	16.24
406-272131	1/2" x 2500'	Hub	7	25.26	23.99	22.73
406-273131	1/2" x 2500'	MR	7	30.63	29.10	27.57
406-572131	1" x 2500'	Hub	5	49.39	46.92	44.45
406-573131	1" x 2500'	MR	5	53.46	50.79	48.11
406-97G131	2" x 2500'	MR	2	112.76	107.12	101.48

457 SERIES — 1.0 Mil Polyester "Grand Master"

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
457-151111	1/4" X 1800'	7"	20	11.72	10.55	9.52
457-17611T	1/4" x 3600'	Hub	10	20.40	18.36	17.34
457-17611P	1/4" x 3600'	PR	10	24.28	21.85	20.64

407 SERIES — 1.0 Mil Polyester

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
407-151131	1/4" x 1800'	7"	20	9.76	8.78	8.30
407-17613T	1/4" x 3600'	Hub	10	16.46	14.81	13.99
407-17613P	1/4" x 3600'	PR	10	21.45	19.31	18.23
407-17313J	1/4" x 3600'	MR	10	25.90	23.31	22.01
407-272131	1/2" x 3600'	Hub	7	35.95	34.15	32.36
407-273131	1/2" x 3600'	MR	7	39.74	37.75	35.77
407-572131	1" x 3600'	Hub	5	70.66	67.13	63.59
407-573131	1" x 3600'	MR	5	74.70	70.97	67.23
407-97G131	2" x 3600'	MR	2	156.46	148.64	140.81

AMPEX LOGGING INSTRUMENTATION TAPE
CALL YOUR PAS REPRESENTATIVE FOR PRICING

631 SERIES — 1.5 Mil Polyester

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
631-151111	1/4" x 1200'	7"	20	4.78	4.30	4.06
631-17611T	1/4" x 2500'	Hub	10	6.40	5.76	5.44
631-17611P	1/4" x 2500'	PR	10	9.95	8.96	8.46
631-173111	1/4" x 2500'	MR	10	16.98	15.28	14.43

632 SERIES — 1.5 Mil Polyester HO/LN

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
632-151111	1/4" x 1200'	7"	20	5.25	4.73	4.46
632-17611T	1/4" x 2500'	Hub	10	6.76	6.08	5.75
632-17611P	1/4" x 2500'	PR	10	10.15	9.14	8.63
632-173111	1/4" x 2500'	MR	10	17.30	15.57	14.71

641 SERIES — 1.0 Mil Polyester

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
641-151111	1/4" x 1800'	7"	20	6.50	5.85	5.53
641-17611T	1/4" x 3600'	Hub	10	8.40	7.56	7.14
641-17611P	1/4" x 3600'	PR	10	11.69	10.52	9.94
641-173111	1/4" x 3600'	MR	10	19.28	17.35	16.39

642 SERIES — 1.0 Mil Polyester HO/LN

			CTN	SGL	1-3	4+
			QTY		CTN	CTN
642-151111	1/4" x 1800'	7"	20	7.16	6.44	6.09
642-17611T	1/4" x 3600'	Hub	10	8.83	7.95	7.51
642-17611P	1/4" x 3600'	PR	10	12.09	10.88	10.27
642-173111	1/4" x 3600'	MR	10	21.08	18.97	17.92

PRICES LISTED ARE PAS PRICES ON AMPEX TAPE

TAPE AUDIO

3M

806 SERIES — 1.5 Mil Polyester HO/LN

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
806	1/4" x 1200'	7"	20	7.55	6.80 6.42
806	1/4" x 2500'	Hub	12	10.30	9.27 8.76
806	1/4" x 2500'	PR	12	13.65	12.29 11.61
806	1/4" x 2500'	MR	12	18.30	16.47 15.56
806	1/2" x 2500'	Hub	10	25.35	24.09 22.82
806	1/2" x 2500'	MR	10	31.40	29.83 28.26
806	1" x 2500'	Hub	5	49.98	47.49 44.99
806	2" x 2500'	MR	2	113.25	107.59 101.93

996 SERIES — 1.5 Mil Polyester HO/LN

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
996	1/4" x 1200'	7"	20	9.50	8.55 8.08
996	1/4" x 2500'	Hub	12	13.80	12.42 11.72
996	1/4" x 2500'	PR	12	17.50	15.75 14.87
996	1/4" x 2500'	MR	12	25.20	22.68 21.42
996	1/2" x 2500'	MR	10	42.90	40.74 38.61
996	1" x 2500'	MR	5	73.25	69.59 65.93
996	2" x 2500'	MR	2	155.65	147.87 140.09

807 SERIES — 1.0 Mil Polyester

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
807	1/4" x 1800'	7"	20	10.10	9.09 8.59
807	1/4" x 3600'	Hub	12	16.70	15.03 14.20
807	1/4" x 3600'	PR	12	20.20	18.18 17.17
807	1/4" x 3600'	MR	12	26.40	23.76 22.44
807	1/2" x 3600'	MR	10	40.95	38.91 36.86

226 SERIES — 1.5 Mil Polyester

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
226	1/4" x 1200'	7"	20	8.55	7.70 7.27
226	1/4" x 2500'	Hub	12	12.15	10.94 10.33
226	1/4" x 2500'	PR	12	15.85	14.27 13.48
226	1/4" x 2500'	MR	12	22.25	20.03 18.92
226	1/2" x 2500'	Hub	10	30.05	28.55 27.05
226	1/2" x 2500'	MR	10	37.50	35.63 33.75
226	1" x 2500'	Hub	5	58.80	55.86 52.92
226	1" x 2500'	MR	5	63.85	60.66 57.47
226	2" x 2500'	MR	2	139.95	132.96 125.96

808 SERIES — 1.5 Mil Polyester

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
808	1/4" x 1200'	7"	20	7.80	7.02 6.63
808	1/4" x 2500'	Hub	12	10.80	9.72 9.18
808	1/4" x 2500'	PR	12	13.95	12.56 11.86
808	1/4" x 2500'	MR	12	19.99	18.00 17.00

227 SERIES — 1.0 Mil Polyester

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
227	1/4" x 1800'	7"	20	13.30	11.97 11.31
227	1/4" x 3600'	Hub	12	22.90	20.61 19.47
227	1/4" x 3600'	PR	12	24.70	22.23 21.00
227	1/4" x 3600'	MR	12	36.95	33.26 31.41

809 SERIES — 1.0 Mil Polyester

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
809	1/4" x 1800'	7"	20	10.55	9.50 8.97
809	1/4" x 3600'	Hub	12	17.60	15.84 14.96
809	1/4" x 3600'	PR	12	20.20	18.18 17.17
809	1/4" x 3600'	MR	12	27.65	24.89 23.51

8206 SERIES — Logging Tape

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
8206	1/4" x 3600'	MR	12	32.30	29.07 27.46

20 SERIES — 2.5 Mil Paper, not Printed

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
1/4" x 1000'	White	10	6.90	6.21	5.87

HOLD DOWN TAPE					
		CTN	SGL	1-3	4+
		QTY		CTN	CTN
1/4" x 180'	Red or Blue	10	3.20	2.88	2.72

61 SERIES — 1.5 Mil Polyester, with Timing Marks

		CTN	SGL	1-3	4+
		QTY		CTN	CTN
1/4" x 1500'	Ylw or Wht	20	17.30	15.57	14.71
1/2" x 1000'	White	10	19.35	17.42	16.45
1" x 1000'	White	5	34.65	31.19	29.46
2" x 250'	White	2	16.75	15.08	14.24

TAPE LEADER

PRICES LISTED ARE PAS PRICES ON 3M TAPE

PAS ORDER DESK 1-800-433-7668 • CONSULTATION 1-817-483-7474 • FAX 1-817-483-9952

129

TAPE/AUDIO BOXES & REELS

EMPTY REEL BOXES, Hinged Type, White

	CTN	SGL	1-3	4+
	QTY		CTN	CTN
5 wht 1/4" x 5"	174	.28	.23	.20
7 wht 1/4" x 7"	180	.30	.24	.21
10 wht 1/4" x 10 1/2"	50	1.06	.84	.74
7 wht 1/2" x 7"	152	.70	.56	.49
10 wht 1/2" x 10 1/2"	38	1.24	.99	.86

Plastic, Smoke or Clear (EIA Gray only, 1/2" Smoke only)

	HUB SIZE	CTN QTY	SGL	1-3 CTN	4+ CTN
6084 Smoke 1/4" x 10 1/2"	NAB	20	2.10	1.68	1.58
6089 Clear 1/4" x 10 1/2"	NAB	20	2.05	1.64	1.54
5908 1/4" x 10 1/2"	EIA	20	3.20	2.56	2.40
6584 1/2" x 10 1/2"	NAB	15	2.15	1.72	1.61

EMPTY REELS

Plastic, Standard Hub, Clear

	HUB SIZE	CTN QTY	SGL	1-3 CTN	4+ CTN
5196 1/4" x 5"	1 3/4"	180	.33	.25	.23
5231 1/4" x 7"	1 3/4"	180	.60	.45	.42

Plastic, Flutter Free Hub, Clear

	HUB SIZE	CTN QTY	SGL	1-3 CTN	4+ CTN
5464 1/4" x 5"	3"	180	.42	.32	.29
9813 1/4" x 7"	4"	180	.80	.60	.56

Metal

	HUB SIZE	CTN QTY	SGL	1-3 CTN	4+ CTN
10MR 1/4" x 10 1/2"	NAB	20	7.95	7.16	6.76
1012 1/2" x 10 1/2"	NAB	20	8.95	8.06	7.61

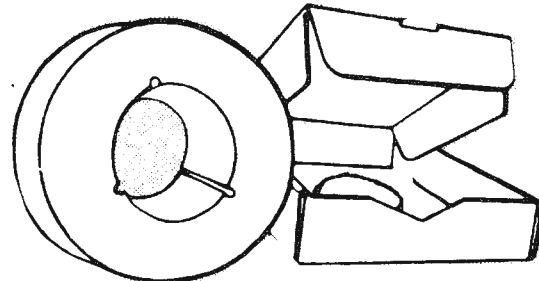
PRICES LISTED ARE PAS PRICES

TAPE/VIDEO REELS w/BOXES

Plastic, Clear

	HUB SIZE	CTN QTY	1-2 CTN	3+ CTN
11006 1" x 6 1/2"	NAB	40	1.54	1.32
11008 1" x 8"	NAB	40	1.75	1.50

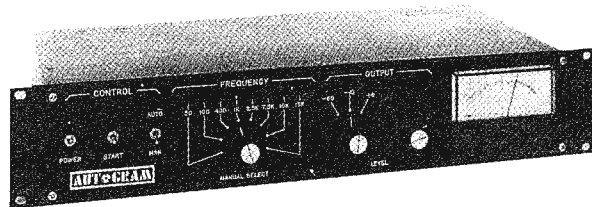
PRICES LISTED ARE PAS PRICES



TEST EQUIPMENT

AUTOGRAM

The AUTOGRAM T-8 frequency response test set is designed for measuring audio frequency response of complete broadcast audio systems or parts thereof. Eight preset switchable sine wave audio frequencies are available at three different switchable preset signal levels. An automatic position, when activated, will transmit sequential burst of each frequency for approximately one second duration. A manual position allows the operator to select any of the eight frequencies in a continuous mode.



T-8 PAS Price \$ _____ List498.00

**OUR LARGE INVENTORY MEANS
QUICK DELIVERY FOR YOU**

TEST EQUIPMENT

DORROUGH



The DORROUGH Stereo Test Set, Model 1200 is a simple and easy-to-operate gain set that will allow you to quickly monitor and dynamically balance stereo broadcast lines. The Model 1200 offers the widest range ever designed for accurate measurement of level, balance, crosstalk, and signal to noise of your system from noise floor to signal clipping. You can easily verify stereo system performance without having to call for an oscilloscope or DVM from the maintenance shop. If incorrect conditions are spotted, just connect test equipment to one of the Monitor Jacks to examine a suspected problem in detail..

1200 PAS Price \$ _____ List.....1650.00

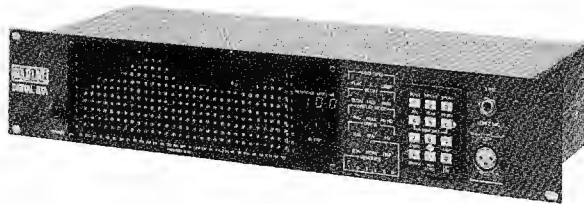
FOSTEX



The TT-15 test tone oscillator features user-selectable 40, 400, 1K, 10K and 15kHz internal oscillator test tones. The 0 dBV output is ideal for broadcast use. -10dBV and -30 dBV levels are also selectable. It is powered by a 9V battery.

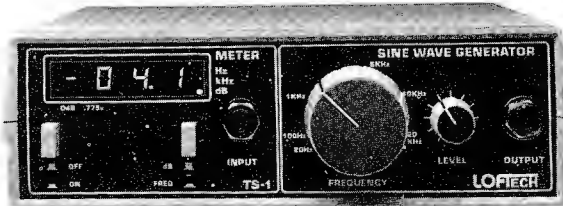
TT-15 PAS Price \$ _____ List.....48.00

GOLDLINE



Model GL30 1/3 Octave Spectrum Analyzer with printout option was designed for professional use in the studio, on tour or setting up sound systems. Model 30 Option 020A, Printer Interface Board and Program with Non-Volatile Memory, provides hard copy of RTA displays including all test parameters used during RTA measurements.

The Loftech and TS1RM Audio Test Sets are three audio test instruments combined in one unit. The Loftech provides the user with a powerful tool that is capable of making audio frequency tests and measurements with a high degree of accuracy, efficiency and in less time than conventional test instruments.



GL30	PAS Price \$ _____	List.....1995.00
Option 020A	PAS Price \$ _____	List.....250.00
TS-1	PAS Price \$ _____	List.....359.95
TS-1RM	PAS Price \$ _____	List.....479.00
TS-1RMX	PAS Price \$ _____	List.....539.95

RANE



Model RA27 Realtime Analyzer is a single rack space unit providing 27 bands of realtime frequency/amplitude information in a 3 LED vertical band format. Broadband signals applied to either the microphone or line inputs of the RA27 are divided into 1/3 octave increments by ANSI Class II filters.

RA27 PAS Price \$ _____ List.....499.00

TASCAM



TASCAM Test Oscillators allow you to quickly and easily check the frequency response of your audio systems. Powered by a common 9 volt battery, the TO-122A and TO-8 are perfect additions to your tool kit.

TO-122A	PAS Price \$ _____	List.....85.00
TO-8	PAS Price \$ _____	List.....60.00

TIMERS / CLOCKS

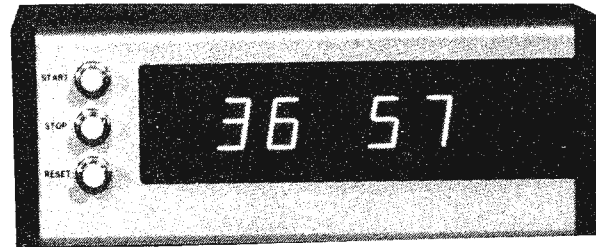
ESE

The ES562E/564E is a combination six-digit clock and 12/24 hour timer with memory, allowing the user to set the clock to the correct time of day, switch to timer mode, then by pushing one button, switch back to time of day. The time of day will be correctly displayed in hours, minutes and seconds. The format is 12 hour for the ES562E and 24 hour for the ES564E. Six pushbutton controls are mounted on the front of the unit, above the display. The controls are Reset, Timer, Fast/Start, Slow/Stop, Hold and Clock and may also be removed.

ES562E PAS Price \$ _____ List.....380.00
 ES564E PAS Price \$ _____ List.....380.00

The ES520 is a four digit, sixty minute timer (59:59) with Start/Stop, and Reset controls. Runs continuously unless stopped or reset. If stopped display will hold time reading and when restarted will continue with next count from last displayed figure. Reset returns display to all zeros. Can reset while running or stopped. If reset while running, timer will continue to run.

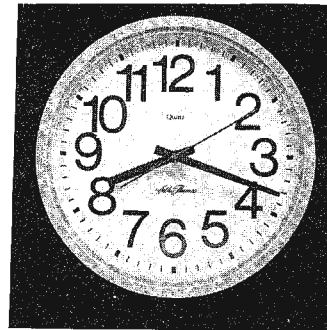
ES520 with Remote Jack PAS Price \$ _____ List.....169.00



SETH THOMAS

A leader in the commercial wall clock industry SETH THOMAS clocks are displayed nationwide. These models feature a light beige case and extra bold dial graphics.

2635 12" Electric PAS Price \$ _____ List.....22.75
 2636 12" Quartz PAS Price \$ _____ List.....31.75
 725 8" Quartz PAS Price \$ _____ List.....26.50



TUNERS RECEIVERS

CARVER

The TX-11b has 13 FM/AM presets, 3 week battery back-up preset memory, preset scan, auto/manual tuning, wide/narrow FM band selection, and new AM stereo circuitry. Ultra high performance asymmetrical charge-coupled FM detection circuit for dramatically reduced multipath and noise. This CARVER model also gives you full 20-25kHz frequency and 70dB noise in AM stereo tuning mode and AM gain and AM noise elimination circuits.

TX-11b PAS Price \$ _____ List.....749.95



ONE CALL DOES IT ALL

800 433-7668

TUNERS RECEIVERS

SOUNDCRAFTSMEN



The new **SOUNDCRAFTSMEN** tuner's advanced technology incorporates sophisticated Frequency Synthesized Tuning with a highly stable Quartz Crystal Oscillator that locks onto the broadcast signal and makes station selections precise and drift-free. A Microcomputer Memory System, coupled with Automatic Scanning, provides incredibly simple pre-programming and station selection. Scan to the desired station, then simply push "Memory" and push any station recall button. Super AM Broad Band Selector expands the normal AM frequency range to provide a "super-broad" frequency response.

PRO-TUNER FOUR

PAS Price \$ _____ List.....379.00

TECHNICS



The **TECHNICS** quartz synthesizer tuning system gives you amazing accuracy and convenience. There is virtually no drift because the tuning is based on an unwavering quartz crystal reference frequency. Preset any AM or FM station, in any combination, in any order —up to a total of 39. Or use all 39 presets for FM stations only. Once a station is stored in the memory, it's easy to access it again. Class AA is used in the tuner's output circuitry to help reduce distortion. Its effectiveness lets you hear the full waveform fidelity achieved by the ancillary tuner circuitry.

ST-G460

PAS Price \$ _____ List.....239.95

TURNTABLES

BROADCAST ELECTRONICS



The Model 12C2 is **BROADCAST ELECTRONICS'** two speed turntable engineered for performance and dependability. The 12C2 is a rugged, reliable turntable which comes up to speed in a fraction of a second, and performs with minimum rumble, wow and flutter. Outer rim drive has been demonstrated in over 35 years of usage as the best method for achieving "instant start" with a minimum of vibration effects.

12C2

PAS Price \$ _____ List.....450.00

RUSSCO



Whether you choose the Studio pro for the ultimate in 2 speed performance or the Cue master for 3 speeds, you will be getting a value packed bargain. **RUSSCO** has built turntables as tough as bulldozers that perform as gently and quietly as butterflies. Switch on either model and you'll delight in the Velvet Touch drive system and super soft suspension mounts. These are turntables that cut maintenance down to a minimum with heavy duty bronze bearings and motors and only 3 rotating parts.

Studio-pro

PAS Price \$ _____ List.....509.00

Cue-master

PAS Price \$ _____ List.....479.00

**NEED AN ITEM NOT SHOWN?
CALL YOUR PAS REPRESENTATIVE TODAY**

TURNTABLES



TECHNICS

The SL-1200MK2 represents the next generation, incorporating numerous improvements over the original. In addition to being quartz-locked direct drive, it permits continuous speed adjustment under quartz-control (within a range of $\pm 8\%$). This feature will be appreciated by disco-DJ's who wish to maintain consistent rhythm when changing records. It's starting torque is a high 1.3 lb-in. with the platter reaching rated speed within 0.7 second from standstill. The SL-1200MK2 should also be virtually feedback-proof because of its special base design. The platter itself is damped on both sides to avoid ringing.



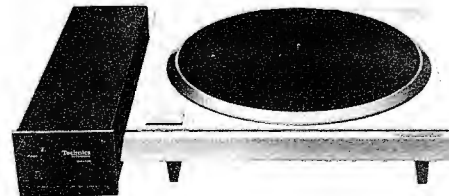
SL-1200MK2 PAS Price \$ _____ List.....599.95

The SP-15 offers you high professional standards of performance plus the flexibility and convenience that are important. Features include quartz synthesizer pitch control, full cycle detection FG, extremely high torque for fast starts and load stability, heavy duty construction, highly effective damping, a pulsed power supply and a special lock mechanism to prevent accidental misoperation.



SP-15 PAS Price \$ _____ List.....899.98

The SP-10MK2A turntable with its quartz-controlled direct-drive system and a multitude of totally new engineering achievements, represents a standard of accuracy in disc reproduction that has never been attained before. The direct-drive motor of the SP-10MKII is controlled by elaborate servo circuitry which uses a quartz oscillator as its reference. The rotational speed of the SP-10MKII is totally independent of the AC power line and its notorious frequency variations, from temperature and other external factors, and from the passage of time. The enormous starting torque of the SP-10MKII (5.2 lbs in) accelerates the heavy platter to rated 33-1/3 rpm within 0.25 sec..



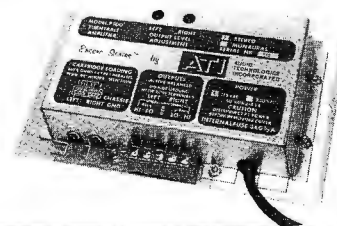
SP-10MK2A PAS Price \$ _____ List.....1399.95

TURNTABLE PREAMPS



ATI

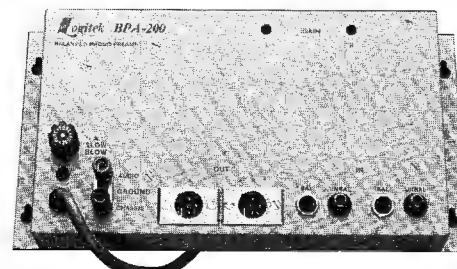
Economical, RF proof package wrapped around high performance circuitry makes the P100S a best seller. A subsonic warp filter, DIP switch R & C cartridge loading, precision 1/2dB equalizer, low noise front end and a line isolated active balanced output makes this preamp your best buy.



P100S PAS Price \$ _____ List.....279.00

LOGITEK

There are two great reasons to use the BPA-200 preamp on each of your turntables. First the BPA-200 makes your music sound crisp and clean. Second the patented balanced-input circuitry keeps hum and RFI out, so the sound stays clean despite nearby transmitters or electrical noise sources. All equalization is passive to eliminate transient feedback distortion and the toroidal power transformer eliminates power supply hum radiation.



BPA-200 PAS Price \$ _____ List.....385.00

TURNTABLE PREAMPS



RUSSCO

Designed exclusively for the professional, these phono pre-amps are years ahead in quality engineering. Jammed with value packed features, these attractive pre-amps include integrated circuits, self-contained power supplies, industrial rated components and a custom-made 'Easy-access' enclosure. The Fidelity Master series offers straight RIAA equalization. The Fidelity Pro units feature switchable high and low frequency filters. The balanced output models include highest quality transformers for true line isolation.

FMSU	Unbalanced, Stereo	List.....262.00
FMSB	Balanced, Stereo	List.....324.00
FPSU	Unbalanced, Stereo	List.....282.00
FPSB	Balanced, Stereo	List.....339.00

Call for PAS pricing



SHURE

The M64A is a compact, professional stereo preamplifier which solves a variety of preamplification and equalization problems. The 3 position slide switch selects standard RIAA equalization or NAB equalization for tape heads. In the flat position the M64A can be used as a microphone preamplifier or a low-gain buffer amplifier where long cable lengths are necessary. Ideal for interfacing phonographs with PA systems.

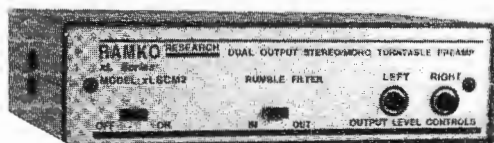
M64A	PAS Price \$ _____	List.....130.00
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STANTON

The Model 310B Stereo Phono preamplifier is designed to correctly interface all STANTON and selected magnetic phonograph cartridges for optimum playback of disk records and calibration of audio systems. It features universal mounting by special brackets, switchable effective rumble filter, individual adjustment of gains and high frequency responses, trimming of the capacitive cartridge loading at the input, provision for setting the power transformer for either 117 or 230V operation at 50 or 60 Hz and immunity to external magnetic AC fields.

310B	PAS Price \$ _____	List.....295.00
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RAMKO

These precision, lab-standard preamps provide performance far beyond the capability of even the best master record or finest cartridge available. High gain coupled with virtually unmeasurable distortion to deliver a whopping +24dBm maximum out and professional performance unmatched by any other unit on the market. In addition, since many are faced with the need of both mono and stereo outputs or are upgrading your mono installation now but are looking towards stereo in the future, an additional mono (stereo mix) output has been provided.

xLSCM2	PAS Price \$ _____	List.....205.00
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**ONE CENTRAL LOCATION
MEANS SAVINGS FOR YOU**

TONE ARMS

AUDIO-TECHNICA

The ATP Professional Series tone arm has been designed specifically to meet the stringent needs of radio and TV studios, discos and similar demanding applications. Four separate cartridge mounting positions accommodate all popular cartridges. Replacement shells available.

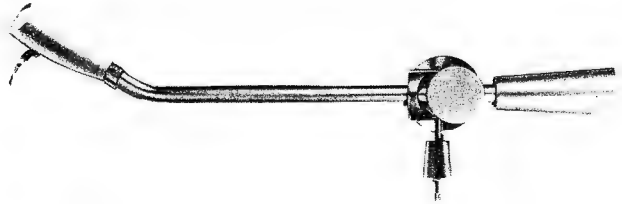
ATP12T PAS Price \$ _____ List.....275.00



BROADCAST ELECTRONICS

A few of the features of the BE tone arms are: tubular construction, 100% shielding, accepts all standard stereo or mono cartridges and separate balance and stylus pressure adjustment is easily obtained by rotation of the counter weight or micropoise knob.

S-320 12" PAS Price \$ _____ List.....200.00
 S-260 16" PAS Price \$ _____ List.....250.00



AUDIOMETRICS

The answer to your tonearm needs is the SA-240E IV. It's cueing accuracy and superior handling are the result of precision machinery and assemble. The anti-skate and lift/lower assembly plus a highly accurate grams scale assures you of long stylus life and the lowest possible record wear.

SA-240E IV 0-3 grams PAS Price \$ _____ List.....129.95

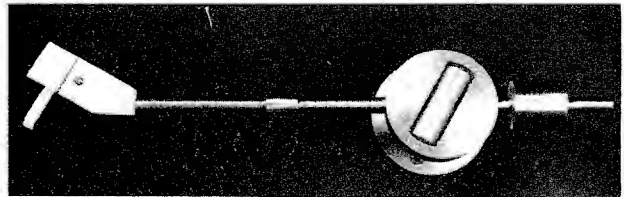


RUSSCO

RTA-12 Specifications:

- 5 grams maximum, 1 gram minimum tracking force
- Less than 2 degrees tracking error
- 4" overhand from pivot to rear

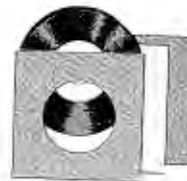
RTA-12 PAS Price \$ _____ List.....249.00



45 rpm RECORD JACKETS

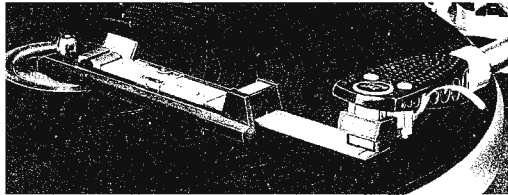
Available in Blue, Green, Red and Gold

PAS 154	100 Pack	PAS Price	14.75
	200 Pack	PAS Price	26.50
	500 Pack	PAS Price	53.00
	1000 Pack	PAS Price	79.00



CARTRIDGES & STYLUS

CARTRIDGES				STYLUS				SHURE
	1-3	4-11	12+		1-3	4-11	12+	
M447	22.95	19.51	18.36	N447	12.95	11.01	10.36	
M44E	25.95	22.06	20.76	N44E	15.50	13.76	12.40	
M44G	23.95	20.36	19.16	N44G	13.40	11.39	10.72	
SC35C	38.95	33.10	31.16	SS35C	14.75	12.54	11.80	
				SS39B	21.95	18.66	17.56	
SC39EJ	59.95	50.96	47.96	SS39EJ	27.50	23.28	22.00	



STYLUS FORCE GAUGE

SFG-2 PAS Price \$ _____ List.....9.25

PAS Carries the complete line of SHURE Cartridges and Stylus

CARTRIDGES				STYLUS				STANTON
	1-3	4-11	12+		1-3	4-11	12+	
681EEEMKII	65.50	58.95	55.68	D98IIS	70.00	66.50	65.62	
*681SE	60.00	54.00	51.00	D81IIS	45.00	42.75	42.18	
*681A	55.50	49.95	47.18	D6800EEIIS	27.00	25.65	25.31	
680EE	41.25	37.13	35.07	D6800SE	23.40	22.25	21.94	
680EL	59.25	53.33	50.37	D6807A	19.40	18.43	18.18	
680AL	50.95	45.86	43.31	D680	18.75	17.82	17.57	
500AL*	17.50	15.75	14.88	DP6800EL 3 pack	48.60	46.17	45.56	
500EEMKII	19.50	17.55	16.58	D6800EL	18.00	17.10	16.88	
500EMKII	15.50	13.95	13.18	DP6800AL	41.40	39.33	38.81	
500AMKII	13.50	12.15	11.48	DP5107AL 3 pack	24.00	22.80	22.50	
*for Backcueing				D5107AL	8.65	8.22	8.10	
PAS Carries the complete line of STANTON cartridges and styls				D50EEMKII	11.95	10.76	10.16	
				D50EMKII	9.75	8.78	8.29	
				D50AMKII	7.20	6.84	6.75	

TURNTABLE ACCESSORIES



DISCWASHER

Record turntables are designed to ground static normally. However, because of the difference between record vinyl and rubber turntable mats, a large static charge often hides between a record's lower surface and the turntable platter. The DISCWASHER D'Stat II Anti Static Turntable Mat replaces your current turntable mat. Conductive carbon fibers in D'Stat II help your turntable naturally eliminate built-up static charges through your turntable's normal grounding system.

FG1053 PAS Price \$ _____ List.....7.95

A diamond stylus picks up a tightly bound coating of vinyl additives, contaminants and dust during record play, becoming an instrument of destruction rather than a quality tracking system. A dirty stylus can cut a record's life by two-thirds. The SC-2 Stylus Cart system effectively removes stylus contamination to promote longer record life by using a scientifically formulated cleaning fluid designed to remove vinyl compounds. #FG1051 a .34 oz. refill is also available.

FG1050 PAS Price \$ _____ List.....7.95

TURNTABLE ACCESSORIES

DISCWASHER

Dirt and contamination are the worst enemies of record collections. A dirty record sounds poorly during playback, provides low quality tape recordings and scratches easily. The **DISCWASHER D4 + Record Care System** safely cleans records without reducing their dynamics or fidelity. D4+ Fluid lifts and suspends contaminants from record surfaces while the directional fibers of the cleaning pad safely remove all contamination. FG1047 16 oz. and FG1048 1.25 oz. refills are available.

FG1004 PAS Price \$ _____ List.....16.50



HENRY

The Universal Turntable Controller is a control interface unit that adds full remote control to Technics turntables. It converts the turntable's "single button" control logic so that separate **START** and **STOP** switches can be used to operate the turntable.

Turntable Controller PAS Price \$ _____ List.....195.00



Synchrosart is a turntable-cart recorder synchronizing unit that is a companion unit to the Universal Turntable Controller. Synchrostart provides audio muting during turntable start-up, to precisely mute disc audio until stable playing speed has been reached. Cue-burn and 'wow-in' are thereby eliminated, and records that were preciously unuseable can once again be used.

SYNCHROSTART PAS Price \$ _____ List.....395.00

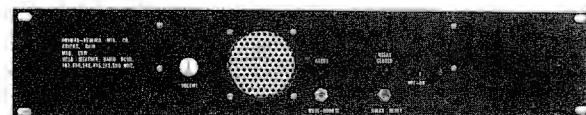


WEATHER

GORMAN-REDLICH

The CRW Weather Receiver is a highly sensitive and selective receiver for NWS transmissions. It is equipped with a tone decoder that processes the 1050 Hz and 1650 HZ signal tone for automatic audible and visual alarm signals in the event of emergency situations. It is also possible to automate the recording of weather forecasts and emergency alert messages.

CRW PAS Price \$ _____ List.....540.00



NOTES

CREDIT APPLICATION

Name / or Call Letters _____ Corporate Name _____

Street Address _____ P.O. Box _____

City _____ State _____ Zip Code _____

Telephone () _____ Partnership _____ Proprietorship _____

Corporation _____ State Incorporated _____ Year Established _____

Name of President & Treasurer, Owner or Partners _____

If Branch or Division, location of Home Office _____

Are Purchase Orders required Yes _____ No _____ Fax Number _____

D & B Rated Yes _____ No _____

Person to contact regarding Accounts Payable _____

Bank Reference _____ Contact Name _____

Address _____

City _____ State _____ Zip _____ Telephone () _____

Checking Account No. _____ Other Accounts Nos _____

Business/Trade Reference (Radio, TV or Electronics References Only) Name, Address, State, Zip and Telephone

1. _____
2. _____
3. _____

I (We) will pay 1.5 % per month (18% APR) finance charges on any unpaid balance that remains unpaid after 30 days from date of invoice. Equipment and/or products ordered remain the property of PAS until the purchase price (invoice) is paid in full. I (We) understand that the information furnished you on this page is for the purpose of obtaining business credit from PAS and that I am (we are) authorized, in my (our) capacity, to bind my (our) firm accordingly. I (We) grant permission to you to verify the above information.

Name(Printed) _____ Signature _____

Date _____ Title _____



5700 East Loop 820 South, Fort Worth, Texas 76119-7099
817 483-7474 FAX 817 483-9952

PLACE
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5700 East Loop 820 South
Fort Worth, TX 76119-7099

TERMS AND CONDITIONS OF SALE

CUSTOMER OPEN ACCOUNTS

We are pleased to ship on open accounts to schools, libraries, colleges, universities, government agencies. Well-rated private businesses and institutions are welcome to apply for open accounts at any time. Simply fill out the credit application enclosed on the next page and it will be processed by our credit department as quickly as possible. To speed your initial order please enclose a check or money order.

TRANSPORTATION COSTS

Transportation costs from shipping point to destination (F.O.B. shipping point) will be prepaid by PAS and added to your order. Where necessary, we will quote shipping charges on request. Orders for overseas destination will be shipped F.O.B. shipping point, freight collect.

ORDER PROCESSING

All order will be processed within 24 hours from date of receipt. Of course, we can't guarantee delivery if delays occur because of circumstances beyond our control. (Special/custom orders may take longer.)

RETURNS

You may return any merchandise (except special/custom items) within 10 days after you receive it for full merchandise credit. Returns after 10 days are subject to a 15% restocking charge. Call PAS customer service department at 817 483-7474 for a **Return Authorization Number** which must appear on shipping labels and forms. Returned merchandise must be shipped to PAS prepaid and in new condition with all original packing materials and manuals. Returns shipped freight collect will be refused. In case of defective merchandise or incorrect orders, please call PAS Customer Service Department for return authorization number and shipping instructions. No material may be returned to PAS without a Return Authorization Number. It's the best way to assure prompt and accurate processing.

DAMAGED GOODS

Although every effort is made to assure safe delivery, shipping damage can occur. Under present ICC rules and regulations and most carriers it is the responsibility of the consignee to inspect and report losses and damages promptly and by correct procedure.

- a. Do not accept any shipment that is visibly damaged or if the carton count is incorrect unless the driver has made a signed notation on the bill-of-lading as to the nature of the damage or loss.
- b. Always open all cartons as soon as possible. If damage is noted, immediately call the carrier who delivered the merchandise to make arrangements for an inspection.

STANDARD TERMS AND CONDITIONS

Unless otherwise specified, terms are cash or chargeable to Visa or Mastercard. Payment terms are Net 30 days from date of invoice on billed orders. Orders will be invoiced at prices prevailing at time of shipment. Quantity prices apply only when shipment is made at one time to one address. PAS will collect state sales taxes as applicable unless tax-exempt documents are provided. All accounts 60 days past due are automatically placed on credit hold till current.

LEASING

PAS offers several Leasing Plans to suit your various needs from 12 months to 60 months. Unless arrangements are made in advance with the leasing company you are responsible for all taxes, transportation and insurance charges.

WARRANTY

Merchandise sold by PAS will only be warranted to the extent and terms of the warranty of the original manufacturer. PAS provides no independent warranty or liability on products manufactured by other manufacturers.

PRICING

Prices are manufacturer suggested list and are for reference only. Contact your PAS representative for prevailing price at time of order. Discounts are available to qualified customers on many items. Prices are subject to change without notice. Freight and handling will be added to all shipments. Typographical errors are subject to correction. Illustrations, descriptions and specifications contained in the catalog are subject to change without notice.



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