CROUSE-KIMZEY COMPANY

DISTRIBUTORS OF PROFESSIONAL BROADCAST EQUIPMENT

CROUSE-KIMZEY CO.
3507 WEST VICKERY • FORT WORTH, TX 76107

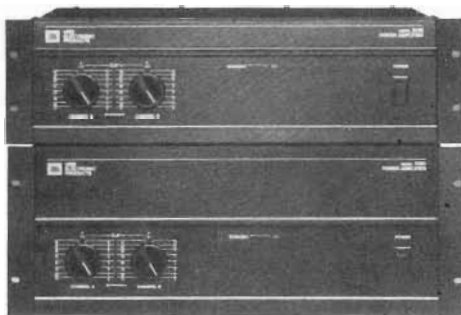| CONTINENTAL U.S.	TEXAS	ALL OTHERS
800-433-2105	800-792-8908	817-737-9911

CROWN POWER AMPLIFIERS

35 watts per channel minimum RMS (both channels operating) into an 8 ohm load over a bandwidth of 20Hz-20kHz at a rated total harmonic distortion of .05%.

Model D75 . . . . $ 524.00

Other models available:
Model D-150A-2 95 watts . . . . $ 729.00
Model DC-300A-2 180 watts 1,149.00
Model PS-200 95 watts 819.00
Model PS-400 180 watts 1,259.00

Model 6150

UREI POWER AMPLIFIERS

Model 6150 80 watts/channel . . . . . $ 746.00
Model 6250 150 watts/channel 896.00
Model 6300 225 watts/channel 1346.00

MICRO-TRAK 10P POWER AMPLIFIER

The Micro-Trak 10P amplifier delivers 10 watts per channel in stereo with a THD of .4%. The 10P will stand alone or rack mount with an optional rack adapter.

Micro-Trak 10P $199.50
Rack Adapter 24.95

JBL POWER AMPLIFIERS

The JBL 6230 and 6260 power amplifiers both feature active balanced bridging inputs and full complimentary protected output circuitry. The input connections may be made by a 3-pin XLR, ¼" phone jack, or barrier strip. The output connections are a 5-way binding post. Both amplifiers may be run in stereo or mono (bridged) with IHD of .1% for 8 ohm stereo, 16 ohm mono, .2% for 4 ohm stereo, 8 ohm mono. The 623C output is 150W into 4 ohms, the 6280 is 300W into 4 ohms.

6230 . . . . $618.00
6260 . . . . 870.00
6290 600W into 4 ohms 1299.00

GKC DUAL IMPEDANCE MONITOR AMPLIFIER

The Model 400 is a switchable output all integrated circuit monitor amplifier designed for the broadcast industry. It features a dual impedance switchable output. It comes with a belt clip.

- Balanced input 2K ohms female XLR
- Switchable output 8 ohms or 600 ohms
- 2 phone jacks ¼" and Tini
- Powered by 9V battery
- Dimensions: 4¼"H, 2¼"W, 1¼"

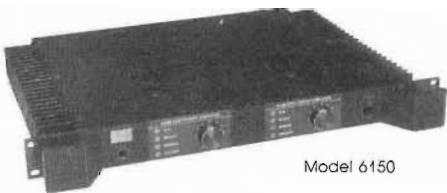Model 400 . . . . $125.00

Model 85

BGW POWER AMPLIFIERS

Transient free turn-on and turn-off with new circuitry featuring low noise discrete matched differential amplifier input, individual detented gain controls, 35 watts per channel, front panel headphone jack and easy access stereo/mono switch.

Model 85 35 watts $449.00
Model 150 50 watts 699.00

RAMSA POWER AMPLIFIER

The WR-9210 power amplifier is a 2-channel amplifier that offers 200 watts RMS per channel into 8 ohms, both channels driven from 20-20,000 Hz with no more than 0.05% total harmonic distortion.

RAMSA WR-9210 . . . . $995.00

SYMETRIX POWER AMPLIFIER

The Model A-220 stereo amplifier develops better than 20 watts per channel into 8 ohms at full power with distortion of less than .02% at 1 kHz. It is provided with thermal shut-down and output short circuit protection. "XLR" balanced and "¼" unbalanced input connections standard.

Model A-220 . . . . $289.00

GKC MIC-LINE AMPLIFIER

The Model 100 mic-line amplifier is designed for the broadcast engineer who desires versatility, compactness and reliability. Ideal for use with long cables from mic to mixer, from mic to telephone line or from mic to microwave system. An internal Helipot is provided to adjust mic pre-amp output to any desired level. It comes with a belt clip.

- Low impedance mic input female XLR
- 600 ohms balanced, 0 dbm output
- Power requirement: 9V battery
- Dimensions: 4¼"H, 2¼"W, 1¼"D

Model 100 . . . . $125.00

SHURE MIC-LINE AMPLIFIER

The Shure FP11 is a portable, one input, one output microphone to line level amplifier designed for field production applications including EFP, ENG, and location film production. The FP11 will drive long lines at higher than mic levels. It provides up to 84Db of gain, has a switchable peak limiter, and is powered by one standard 9-volt battery.

FP11 . . . . $175.00

GKC MIC-LINE AMPLIFIER

The Model 150 mic-line amplifier features all ICs, low noise, wide flat frequency response. There is a built-in limiter and a headphone monitor output.

- Low impedance mic input
- 600 ohms balanced, 0 dbm output
- Clipper limiter (defeatable)
- Power requirement: 9V battery
- Dimensions: 4¼"H, 2¼"W, 1¼"D

Model 150 . . . . $175.00

ATI DISTRIBUTION AMPLIFIERS

Features:

- Eight (DA208) or Sixteen (DA416) balanced outputs divided among two or four independent 1 in- 4 out-channels. Parallel inputs for easy 1X8, 2X8 or 1X16 operation.
- Individual smooth, wide range log taper level adjustments for each output. Unity gain position at 12 o'clock.
- Separate LED clipping indicators for each 1X4 channel warn of any overdriven output.

DA208 (Dual 1X4) **$319.00**
DA416 (Quad 1X4) **469.00**

RADIO SYSTEMS DISTRIBUTION AMPLIFIER

The DA-8 is a one input to 8 output distribution amplifier while the DA-16 has two inputs to 8 outputs stereo.

Model DA-8 .... **$329.00**
Model DA-16 .... **409.00**

RUSSCO DISTRIBUTION AMPLIFIER

The basic DA is the 2418 and is 1X8 or 2X4 balanced or unbalanced. The 4428 doubles the outputs to 16 maximum. Both amps have individual screw-driver adjustment controls..

DA2418 (1X8 Mono, 2X4 Stereo) **$316.00**
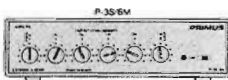DA4428 (2X16 Mono, 4X8 Stereo) **482.00**

Model 7216

MICRO-TRAK DISTRIBUTION AMPLIFIERS

Micro-Trak distribution amps are transformer isolated with a rack mount standard for the 7216, and optional with the 7116 and 7213.

7116 (1X6) **$249.50**
7213 (2X3) **279.50**
7216 (2X6) **459.50**
Rack Mount for 7116 .... **24.95**
Rack Mount for 7213 .... **24.95**

RAMKO DISTRIBUTION AMPLIFIERS

P-3S/6M   1x3 Stereo or 1x6 Mono **$254.00**
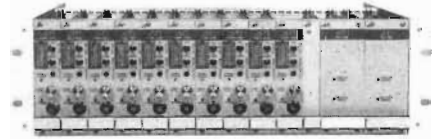P-8S/16M   1x8 Stereo or 1x16 Mono ... **519.00**

Options:
R1   Single Rack Mount Kit **$10.00**
R2   Double Rack Mount Kit **10.00**

LPB DISTRIBUTION AMPLIFIER

The LPB DA-1-8 provides eight 600 ohm balanced non-transformer isolated outputs. The Da-1-16 is a pair of DA-1-8 mounted side by side.

DA-1-8 (1X8) **$245.00**
DA-1-16 (1X16, 2X8) **425.00**

## ATI DA10000 DISTRIBUTION AMPLIFIER SYSTEM

The ATI DA10000 system is comprised of a rack mountable frame that will hold up to two power supplies and 10 DA modules.

PS100   Power Supply with Power Failure
　　Alarm and Output Indicators **$299.00**
CDA100   Compressor/DA Module 1 Input
　　to 6 Active Balanced Outputs. Loss of
　　Signal Alarm, LED Bargraph Metering
　　of Gain Reduction and Output **$395.00**
MDA100   Metered DA 1 Input to 6 Active
　　Balanced Outputs, Loss of Signal Alarm
　　and Indicator, LED Bargraph Metering
　　of Output Level **$335.00**
DA100   DA Module 1 Input to 6 Active
　　Balanced Outputs **$275.00**
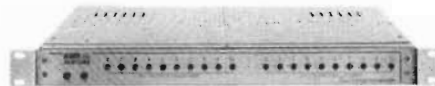
BSM DISTRIBUTION AMPLIFIER

Features individual front panel output level controls, shielded power supply and transformer inputs.

110-MA **$395.00**
110-DMA   As above EXCEPT: with *dual*
　　1 in/10 out cards. (Dual Mono) **$595.00**
110-MT   Same as 110-MA EXCEPT:
　　10 *transformer* outputs (instead of 10
　　active outputs)................... **$695.00**
110-DMT   As above EXCEPT: with *dual*
　　1 in/10 out cards. (Dual Mono) **$895.00**

GKC DISTRIBUTION AMPLIFIER

The DA-5 battery powered distribution amplifier features: five 600 ohm balanced line outputs male XLR connectors; one 2K ohm balanced line input female XLR connector; input level control; external power input jack for DC supply up to 12V, and all integrated circuits. It derives its power from enclosed standard 9V alkaline battery. Dimensions are 5¼"H, 3¼"W, 1½"D. It can be used for both a distribution amplifier as well as a headphone monitor amplifier.

Model DA-5 .... **$250.00**
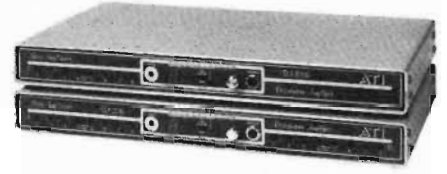
ATI DISTRIBUTION AMPLIFIERS

The DA1008 is 1 in, 8 out, while the DA2016 is 2 in, 16 out. Features include:

- Individual level adjustment for each output—hot molded audio taper controls.
- SCAN monitor system readout shows selected channel for monitoring.
- Headphone output with front panel level control.
- 3-color LED peak meter display switchable for +4, +, or +18dBm at 0 VU.
- Input overdrive flasher indicates input levels over rated +24dBm maximum.
- +22 or +30dBm transformer or differential output models.
- Ideal for driving multiple lines at different levels such as console feeds to multiple tape decks.

One Input to Eight Individual Outputs:
DA1008-1   + 22 dBm,
　　Transformer Outputs .... **$ 795.00**
DA1008-2   +22 dBm,
　　Balanced Differential Outputs **755.00**
DA1008-3   + 30 dBm,
　　Transformer Outputs **1095.00**
DA1008-4   + 30 dBm,
　　Balanced Differential Outputs **995.00**

Dual 1 to 8, Two Inputs to
Sixteen Individual Outputs:
DA2016-1   + 22 dBm,
　　Transformer Outputs **$1095.00**
DA2016-2   + 22 dBm,
　　Balanced Differential Outputs **995.00**
DA2016-3   + 30 dBm,
　　Transformer Outputs **1595.00**
DA2016-4   + 30 dBm,
　　Balanced Differential Outputs **1375.00**

ATI DISTRIBUTION AMPLIFIERS

The DA1000 is 1 in, 8 out, while the DA2008 is a dual 1 in to 4 out. Features include:

- 30K ohm balanced differential input bridges up to +24dBm.
- Signal present and output clipping indicators.
- Front panel jack for phones, metering or auxiliary ninth output.

DA1000-1 .... **$325.00**
DA2008-1 .... **345.00**

AUDIO-METRICS DISTRIBUTION AMPLIFIER

The DA-84 is a two in, eight stereo pairs out distribution amplifier. It is strappable so you'll get 16 mono outputs. It has a lexan front panel and is rack mountable.

Model DA-84 .... **$409.00**

RANE HEADPHONE AMPLIFIER

The HC-6 features six powerful stereo headphone amps with bal/unbalanced master stereo inputs. Six separate mono balanced inputs individually bypass master inputs. Includes dual stereo outputs front and rear.

Model HC-6 .... $349.00

GKC BATTERY POWERED HEADPHONE AMPLIFIER

A high quality battery powered all integrated circuit amplifier widely used by broadcast engineers on remotes. It features two output phone jacks and a belt clip.

- Input 1K ohms
- Output 8 ohms
- Power output 350mW
- Power requirement: 9V battery
- Dimensions: 4¼"H, 2¼"W, 1¼"D

Model 500 .... $89.95

TASCAM MH-40B HEADPHONE AMPLIFIER

The TASCAM MH-40B accepts low or high line level mono or stereo inputs which it feeds to four independently adjustable headphone outputs. The MH-40B will drive low impedance (8 ohm nominal) or high impedance (200 ohm nominal) headphones.

MH-40B $275.00

EDCOR HEADPHONE AMPLIFIERS

The HA400 stereo headphone amplifier features four independent stereo power amps with individual level control, two sets of inputs, master balance control, and stereo/mono switch.

HA400	$205.00
HA 400/RM rack kit for HA400	20.00
HA 100 8 channel version	307.00
HA 100/RM rack kit for HA100	20.00

SHURE HEADPHONE BRIDGING AMPLIFIER

The Shure FP12 is a one input, two output headphone bridging amplifier. 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" signal undisturbed. Its applications include multiple headphone feeds, audio line troubleshooting, a two-station intercom, or practicing electronic instruments through headphones. The Shure FP12 is powered by one standard 9-volt battery.
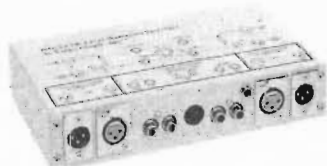
FP12 .... $160.00

ATI HEADPHONE AMPLIFIER

10 watts per channel stereo with 25 watt switchable mono bridge mode. Features complete electronic output protection, balanced differential 30K ohm bridge inputs, and is ideal as a headphone or small loudspeaker driver.

Model MA-1000 .... $365.00

Impedance Matching ==========

VALLEY PEOPLE HH2X2B BALANCED LEVEL MATCHING INTERFACE

The Valley People HH2X2B Level Matching Interface immediately resolves level and impedance matching problems associated with interfacing −10dB equipment to studio and broadcast standards of +4 to +8dB. The interface also provides immunity from RF pickup and hum..

HH2X2B (Stereo) $250.00

ATI MATCH-MAKER

The ATI Match-Maker is a bi-directional level and impedance interface that allows you to connect consumer/industrial reel to reels, cassette recorders, and other low level equipment to 600 ohm balanced systems and vice-versa.

Model MM100-1	$239.00
Rack Panel	22.00

HENRY ENGINEERING MATCHBOX

The Matchbox is an inexpensive way to correctly interconnect "HI-FI" or semi-pro equipment with professional studio gear. The Matchbox is a bi-directional interface with four independent amplifiers providing full stereo input and output capabilities.
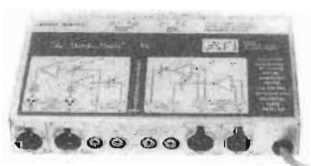
Matchbox $195.00

ATI DISC-PATCHER

The ATI Disc-Patcher is a uni-directional level and impedance interface to connect CD players, tuners and other unbalanced low level equipment to 600 ohm balanced inputs.

Model DP100-1	$189.00
Rack Mount Panel, Single or Dual	22.00

TASCAM LA-40 LINE AMPLIFIER/IMPEDANCE CONVERTER

The TASCAM LA-40 is a perfect one rack space solution to mismatched line levels or impedances. The LA-40 is a compact 4-channel unit that permits interconnection between +4dBm, −20dBm and −10dBV inputs and outputs. It also matches balanced and unbalanced circuits.
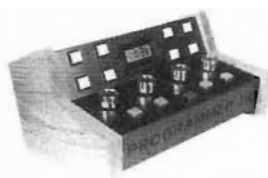
LA-40 .... $360.00

Microphone ==========

ATI DUAL MICROPHONE AMPLIFIER

The M-1000 dual microphone amplifier features low noise, high gain, low distortion, and flat response.

M-1000-1 transformer outputs	$345.00
M-1000-2 bal. differential	345.00
M-1000-3 unbalanced	325.00

M.W. PERSONS LIVE ASSIST CONTROLLER

The Programmer 3A is the latest in a series of highly successful "live assist" radio music programming aids.

It features: full logic control including next play memory and auto segue; full mono or stereo audio control including cue; LCD minutes and seconds timer, and interface with reel to reel machine using one of the 25Hz tone processors available as an option.

Model 3A	**$990.00**
25Hz Tone Processor	**399.00**

CONEX DUAL 25Hz TONE SENSOR

The Conex Electro-Systems CS-25A is a compact and reliable bridging-type 25Hz tone sensor for use in broadcast automation and tape control systems. The unit features two independent sensors, allowing very economical expansion of existing systems.
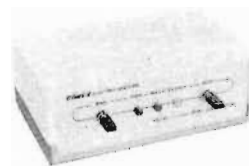
CS-25A **$395.00**

M.W. PERSONS TONE SENSOR

A 25Hz tone processor that performs all tone handling functions required to interface a reel tape deck with an automation or live assist system. It includes two 25Hz tone decoders tied to two program amplifiers w/25Hz notch filters.

25Hz Tone Processor **$349.00**

CONEX 25Hz TONE GENERATOR

The CG-25 provides a simple low cost method of recording tapes for automation. Features include: built-in stereo high pass filters; front panel LEDs to indicate duration of tone; silence and maximum length of untimed tone; standard six-pin type connectors; low distortion circuitry.

Model CG-25 . . . . **$350.00**

CARTRIDGE MACHINES ═══════ *Cartridge Machines*

BROADCAST ELECTRONICS CARTRIDGE MACHINES

Series 2100:

2100P	Mono, Playback Only	**$1150.00**
2100RP	Mono, Record/Playback	**1725.00**
2100PS	Stereo, Playback Only	**1250.00**
2100RPS	Stereo, Record/Playback	**2025.00**
2100PA	Mono, Playback with Audition/Speaker	**1275.00**

BROADCAST ELECTRONICS 3-DECK CARTRIDGE MACHINES

Series 5300:

5301B	Mono Playback	**$2950.00**
5302B	Mono Playback with Cue Tones	**3150.00**
5303B	Stereo Playback	**3450.00**
5304B	Stereo Playback with Cue Tones	**3650.00**

Accessories:

SW5E	Audio Switcher for 3 Decker	**$250.00**
	Recorder, Mono for 3 Decker, with Q Trip Option	**1075.00**
	Recorder, Stereo for 3 Decker, with Q Trip Option	**1325.00**
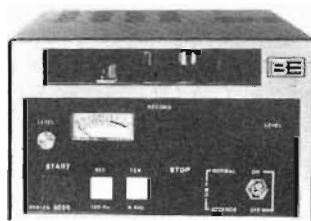
BROADCAST ELECTRONICS CARTRIDGE MACHINES

Series 3000:

3100P	Mono, Playback Only	**$1250.00**
3100PS	Stereo, Playback Only	**1400.00**
3200P	Mono, Playback Only	**1275.00**
3200RP	Mono, Record/Playback	**2175.00**
3200PS	Stereo, Playback Only	**1425.00**
3200RPS	Stereo, Record/Playback	**2525.00**
3200RP/DL	Mono, Delay Programmer	**2550.00**
3300P	Mono, Playback Only	**1350.00**
3300RP	Mono, Record/Playback	**2225.00**
3300PS	Stereo, Playback Only	**1525.00**
3300RPS	Stereo, Record/Playback	**2575.00**
3300RP/DL	Mono, Delay Programmer	**2600.00**
3400P	Mono, Playback Only, Rack Mount	**1400.00**
3400PS	Stereo, Playback Only, Rack Mount	**1550.00**
3400RP	Mono, Record/Playback, Rack Mount	**2225.00**
3400RPS	Stereo, Record/Playback, Rack Mount	**2575.00**
3400RP/DL	Mono, Delay Programmer, Rack Mount	**2600.00**

Factory Installed Options:

Q Trip I & II (150 Hz and 8 kHz), Playback Only Models	**$75.00**
Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models	**125.00**
Automatic and Manual Fast Forward, Playback Only Models with Q Trip I & II (150 Hz and 8 kHz)	**200.00**
Automatic and Manual Fast Forward, Record/Playback Models with Q Trip I & II (150 Hz and 8 kHz)	**225.00**

FIDELIPAC DYNAMAX CTR100 CARTRIDGE MACHINE

This new machine has several unique features, among these features is the Cart Scan System which automatically eliminates phase shift, a real time digital tape counter, and a cleaning switch to make pinch roller cleaning easy.

CTR-111	A Size Mono Play	**$1900.00**
CTR-112	A Size Stereo Play	**2060.00**
CTR-123	B Size Mono Record/Play	**3135.00**
CTR-124	B Size Stereo Record/Play	**3465.00**
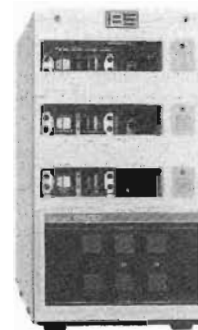
BROADCAST ELECTRONICS 3-DECK CARTRIDGE MACHINES

Series 5400:

5401	Mono Playback	**$3100.00**
5402	Mono Playback with Cue Tones	**3300.00**
5403	Stereo Playback with Cue Tones	**3700.00**
5404	Stereo Playback with Cue Tones	**3900.00**
5409	Mono Recorder w/Cue I & II	**1000.00**
5410	Stereo Recorder w/Cue I & II	**1250.00**
SW5E	Audio Switcher	**250.00**
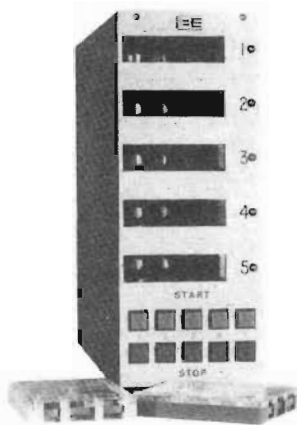
BROADCAST ELECTRONICS CARTRIDGE MACHINES

Series 5500:

5501B	Mono Playback	$4250.00
5502B	Mono Playback with Cue Tones	4450.00
5503B	Stereo Playback	4750.00
5504B	Stereo Playback with Cue Tones	4950.00

Accessories:

SW5F	Audio Switcher for 5 Decker	$ 295.00
	Recorder, Mono for 5 Decker, with Q Trip Option	1075.00
	Recorder, Stereo for 5 Decker, with Q Trip Option	1325.00

AUDI-CORD CARTRIDGE MACHINES
"S" Series Premium Twin-Deck Playbacks:

Model TDS-1	Mono, 3 Cue (Desk Cabinet)	$1499.00
Model TDS-6	Stereo, 3 Cue (Desk Cabinet)	1679.00
#502-0039	Rack Mounting Shelf	39.00

AMPRO SCULLY CARTRIDGE MACHINES
Series 8300:

8300	Mono Triple Deck	$2820.00
8300	Stereo Triple Deck	3150.00

AUDI-CORD CARTRIDGE MACHINES
**"E" Series 3-Transport Playback:**

Model E30	Mono, 1 Cue (Desk Cabinet)	$2429.00
Model E30R	Mono, 1 Cue (Rack Mount)	2429.00
Model E31	Mono, 3 Cue (Desk Cabinet)	2519.00
Model E31R	Mono, 3 Cue (Rack Mount)	2519.00
Model E35	Stereo, 1 Cue (Desk Cabinet)	2629.00
Model E35R	Stereo, 1 Cue (Rack Mount)	2629.00
Model E36	Stereo, 3 Cue (Desk Cabinet)	2719.00
Model E36R	Stereo, 3 Cue (Rack Mount)	2719.00

AUDI-CORD CARTRIDGE MACHINES
"E" Series Dual Transport Record/Playback:

Model E50	Mono, 1 Cue (Desk Cabinet)	$2219.00
Model E50R	Mono, 1 Cue (Rack Mount)	2219.00
Model E51	Mono, 3 Cue (Desk Cabinet)	2279.00
Model E51R	Mono, 3 Cue (Rack Mount)	2279.00
Model E55	Stereo, 1 Cue (Desk Cabinet)	2539.00
Model E55R	Stereo, 1 Cue (Rack Mount)	2539.00
Model E56	Stereo, 3 Cue (Desk Cabinet)	2599.00
Model E56R	Stereo, 3 Cue (Rack Mount)	2599.00
Model E51-1	Stereo, 3T. w/L.H. Mono (Desk Cabinet)	2449.00
Model E56-1R	Stereo, 3T. w/L.H. Mono (Rack Mount)	2449.00
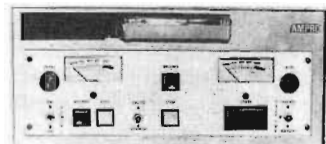
AMPRO SCULLY CARTRIDGE MACHINES
Series 2500, 3500, 4500:

2500	Mono Playback	$1300.00
2500	Stereo Playback	1460.00
3500	Mono Playback	1300.00
3500	Mono Record/Play	2270.00
3500	Stereo Playback	1460.00
3500	Stereo Record/Play	2645.00
4500	Mono Playback	1330.00
4500	Mono Record/Play	2270.00
4500	Stereo Playback	1525.00
4500	Stereo Record/Play	2645.00

AUDI-CORD CARTRIDGE MACHINES
"E" Series Playbacks:

Model E10	Mono, 1 Cue (Desk Cabinet)	$819.00
Model E10R	Mono, 1 Cue (Rack Mount)	819.00
Model E11	Mono, 3 Cue (Desk Cabinet)	849.00
Model E11R	Mono, 3 Cue (Rack Mount)	849.00
Model E15	Stereo, 1 Cue (Desk Cabinet)	889.00
Model E15R	Stereo, 1 Cue (Rack Mount)	889.00
Model E16	Stereo, 3 Cue (Desk Cabinet)	919.00
Model E16R	Stereo, 3 Cue (Rack Mount)	919.00

"E" Series Record/Playback:

Model E20	Mono, 1 Cue (Desk Cabinet)	$1379.00
Model E20R	Mono, 1 Cue (Rack Mount)	1379.00
Model E21	Mono, 3 Cue (Desk Cabinet)	1419.00
Model E21R	Mono, 3 Cue (Rack Mount)	1419.00
Model E25	Stereo, 1 Cue (Desk Cabinet)	1619.00
Model E25R	Stereo, 1 Cue (Rack Mount)	1619.00
Model E26	Stereo, 3 Cue (Desk Cabinet)	1659.00
Model E26R	Stereo, 3 Cue (Rack Mount)	1659.00

AUDI-CORD CARTRIDGE MACHINES
"S" Series Premium Playbacks:

Model S11	Mono, 3 Cue (Desk Cabinet)	$1029.00
Model S11R	Mono, 3 Cue (Rack Mount)	1029.00
Model S16	Stereo, 3 Cue (Desk Cabinet)	1119.00
Model S16R	Stereo, 3 Cue (Rack Mount)	1119.00

"S" Series Premium Record/Playbacks:

|		
Model S21	Mono, 3 Cue & Timer (Desk Cabinet)	$1799.00
Model S21R	Mono, 3 Cue & Timer (Rack Mount)	1799.00
Model S26	Stereo, 3 Cue & Timer (Desk Cabinet)	1989.00
Model S26R	Stereo, 3 Cue & Timer (Rack Mount)	1989.00

"S" Series Delay Machines:

Model S32	Mono Network Delay, 3 T. & Timer (Desk)	$1889.00
Model S32R	Mono Network Delay, 3 T. & Timer (Rack)	1889.00

CONTINENTAL U.S.	TEXAS	**TO ORDER**	ALL OTHERS
800-433-2105		**800-792-8908**	**817-737-9911**
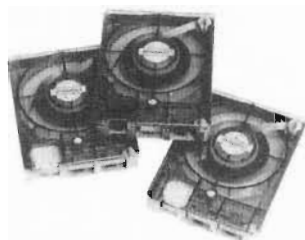
FIDELIPAC TAPE CARTRIDGES

	#300	Master Cart II	Master Cart DX
20 Seconds	$3.35	$4.08	$4.91
40 Seconds	3.42	4.15	4.99
70 Seconds	3.50	4.24	5.11
100 Seconds	3.56	4.42	5.22
2½ Minutes	$3.76	$4.59	$5.64
3½ Minutes	3.95	4.77	5.87
4½ Minutes	4.12	4.98	6.11
5½ Minutes	$4.36	$5.16	$6.22
7½ Minutes	4.70	5.50	6.62
10½ Minutes	5.18	6.02	7.24

RELOAD KITS FOR FIDELIPAC TAPE CARTRIDGES

Series 400 Standard Tape
(For use in Model 300, Model 350 and Master Cart):
20 Seconds — 100 Seconds	$1.20
2 Minutes — 4½ Minutes	1.50
5 Minutes — 10½ Minutes	1.80

Series 500 HOLN Tape
(For use in Master Cart II):
20 Seconds — 100 Seconds	$1.40
2 Minutes — 4½ Minutes	1.70
5 Minutes — 10½ Minutes	2.00

Series 700 HOLN-DX Tape
(For use in Master Cart DX):
20 Seconds — 100 Seconds	$1.60
2 Minutes — 4½ Minutes	2.00
5 Minutes — 10½ Minutes	2.40

Notes:
Standard package contains 20 units of same type and length. Reload kits must be ordered in multiples of the standard package.

SCOTCH TAPE CARTRIDGES

Empty	$4.56
40 Seconds	4.71
70 Seconds	4.80
100 Seconds	4.92
2½ Minutes	$5.10
3½ Minutes	5.31
4½ Minutes	5.58
5½ Minutes	5.83
7½ Minutes	6.34

AUDIOPAK TAPE CARTRIDGES

	A-2	AA-3	AA-4
Empty	$2.80	N/A	N/A
20 Seconds	3.30	$4.29	$4.73
40 Seconds	3.30	4.29	4.73
70 Seconds	3.30	4.29	4.73
100 Seconds	3.30	4.29	4.73
2½ Minutes	$3.70	$4.79	$5.27
3½ Minutes	3.70	4.79	5.27
4½ Minutes	3.70	4.79	5.27
5½ Minutes	$4.40	$5.79	$6.33
7½ Minutes	4.40	5.79	6.33
10½ Minutes	4.40	5.79	6.33

Formula 17 Lubricated Tape 7"x1800' Reel	$6.90
Q17 HOLN Lubricated Tape 7"x1800' Reel	9.60
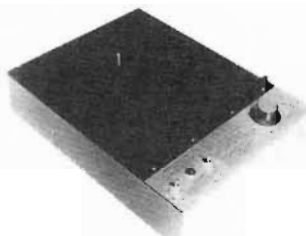
AUDIOLAB TD-5 TAPE ERASER

The TD-5 erases audio, video, data, reels up to 16 inches in diameter and U-Matic cassettes. A built-in timer has an adjustable on-cycle and automatic shut off. Automatic cooling fan with thermal protection prevents exceeding the duty cycle on the Hi position, resets to allow normal operation. Hi-Lo selectable operation allows continuous duty erasing on Lo position for continuous duty erasing. Conservative design assures long, reliable performance.
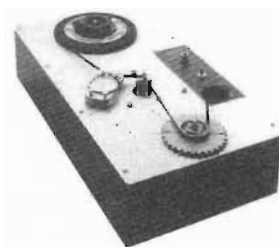
TD-5 .... $845.00

AUDIOLAB TD-4 TAPE ERASER

The TD-4 erases audio, video, data tapes, reels to 14" in diameter and U-Matic video cassettes. A built-in timer and fan protect the unit from thermal overload. The TD-4 comes with a standard 15/16 center post with a 3-inch NAB hub. Hi-Lo operation allows continuous duty erasing in the Lo position for most tapes.
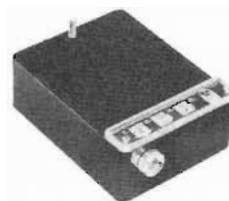
TD-4 .... $735.00

BROADCAST ELECTRONICS TAPE CARTRIDGE WINDER

The TW-120 will handle supply reels up to 3600' of 1 mil lubricated tape. Winding speed is 22½ips.
TW-120 tape winder	$350.00
TW-120T winder w/timer	475.00

AUDIOLAB ELECTRONICS TD-1B TAPE ERASER

The Audiolab TD-1B Tape Degausser has automatic overhead protection with auto reset after auto shutoff. The TD-1B erases audio, video, computer, magnetic films, cartridges and cassettes. The TD-1B erases tape up to ¾" wide and accommodates up to 1½" NAB reels.

TD-1B $105.00

FIDELIPAC MODEL 400 BULK TAPE ERASER

The Fidelipac Model 400 will erase all audio, video and computer tapes up to 1" wide. The core is thermally protected and will not burn out. There is a scuff resistant top with non marring skid proof feet and the guide pin is removeable for erasing large format tapes.

Model 400 .... $99.50

FIDELIPAC BLANK-IT TAPE ERASER

The Fidelipac Blank-It is a handheld magnetic tape eraser for NAB carts, ½" video cassettes, ¾" video cassettes, ¼" to 1" audio tape and computer tapes to mention a few. The Blank-It has built-in thermal overload protection, it can't burnout. The rugged shock proof case has a replaceable, no-mar surface and it won't scratch items being erased. The Blank-It has a one-year warranty under normal operating conditions.

Blank-It $64.75

Accessories ═══ CARTRIDGE MACHINES

STL PRECISION MAGNETIC TEST TAPES

STL Test Tapes are recorded directly from precision generating equipment to provide the most accurate reference possible. Reel to reel, broadcast cartridges, and cassettes are available. The broadcast cartridge alignment tapes are available in the carts Aristocart, Aristocart AA, Audiopak A2, Audiopak AA4, Fidelipac 350, Mastercart, Mastercart II, and Scotchcart.

0034-2-C	Stereo Reproduce Alignment Tape	**$63.00**
0034-2-A	Stereo Azimuth Set Tape	**42.00**
0034-2-L	Stereo Level Set Tape	**37.00**

For mono tapes, change the 2 to a 1. The price remains the same. This is a partial listing. Call Crouse-Kimzey for tapes not listed.

AMPEX ALIGNMENT TAPES

¼" Reel Alignment Tapes:

#4690037-01	3¾ips	NAB	full-track	**$50.00**
#4690010-01	7½ips	NAB	two-track	**50.00**
#01-31321-01	7½ips	NAB	full-track	**30.00**
#4690009-01	15ips	NAB	two-track	**50.00**
#01-31311-01	15ips	NAB	full-track	**30.00**

½" Reel Alignment Tapes:

#01-31321-05	7½ips	NAB	full-track	**$50.00**
#01-31311-05	15ips	NAB	full-track	**50.00**

Note: 1" and 2" and flutter tapes also available.

EDITALL SPLICING EQUIPMENT

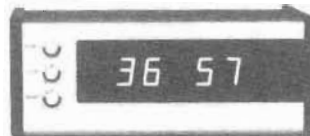|	
S-2 splicing block ¼" - 4" - MTK/45°	**$22.00**
S-3 splicing block ¼" - 5¾" - MTK/45°	**29.00**
S-3D splicing block ¼" - 5¾" - 90°/MTK/45°	**36.00**
CX-1 Mylar Splicing Tabs 10/sheet	**$4.15/100**
RB-1 Razor Blades (.012")	**7.50/100**
WP-1 White Grease Pencil	**5.00/doz**

Clocks/Timers ═══ CLOCKS/TIMERS

SETH THOMAS STUDIO CLOCK

A quartzmatic battery operated 12" dial studio clock. Runs on a "C" cell battery.

Model 710 . . . . **$45.00**

RADIO SYSTEMS STUDIO TIMER

A 10-minute timer featuring stop, start, and reset front panel controls and six isolated pull-to-ground or push-to-positive terminals.

Model TM-1 . . . . **$155.00**

ESE CLOCKS AND TIMERS

The ES501E is a four-digit, 60-minute timer with start, stop, and reset controls. It runs continuously unless stopped or reset. If stopped, display will hold time reading and when restarted will continue with next count from last display to all zeros. Can reset while running or stopped. If reset while running, timer will continue to run.

ES510E	**$174.00**
ES510E w/remote connector	**192.00**

Also available:

ES112E six-digit clock	**$182.00**
ES112E w/remote connector	**206.00**

ESE MASTER CLOCK SYSTEM

The ESE Master Clock System is ideal where critical timing is essential. Up to 100 slave units can be connected to a single master clock (more with internal modification). An ESE Master Clock can operate digital displays, clocks with sweep second hands, printers, and in addition can tell your computer what time it is. Accuracy varies from 3 seconds per month (Model ES-160), to ± .5 seconds per day. The accuracy of the ES-190 can be traced to the National Bureau of Standards Station WWV. Prices vary with system configuration. Please call Crouse-Kimzey for details.

Audio Consoles ═══ CONSOLES
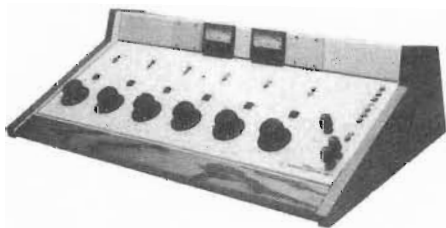
ARRAKIS 150

Features include 6 channels, 18 inputs, rotary faders, and VCA controlled. Two-year warranty.

150SC-6M	6-channel mono	**$1895.00**
150SC-6S	6-channel stereo	**1995.00**
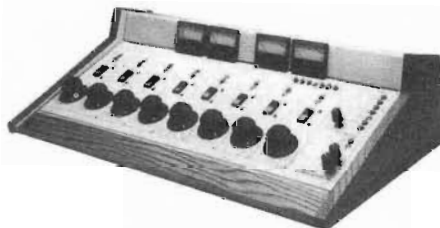
ARRAKIS 500

Features include 8 channels, 22 inputs, rotary faders, and program + audition + mono mix outputs. Two-year warranty.

500SC-8M	8-channel mono	**$3550.00**
500SC-8S	8-channel stereo	**3750.00**

ARRAKIS 2000

Features include 12 channels, 24 inputs, program + audition + mono mix outputs, Penny & Giles slide faders, VCA level controls, reed relay switching, remote start standard, and external regulated power supply.

2000SC-12M	12-channel mono	**$4495.00**
2000SC-12S	12-channel stereo	**4695.00**

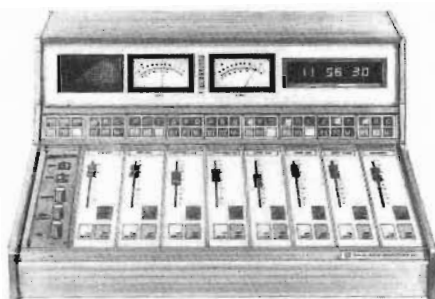## ARRAKIS 2100

The 2100SC is identical to the 2000 Series except for expanded input capacity. It has 34 inputs and even has remote start on both A and B inputs. Two-year warranty.

2100SC-12M 12-channel mono **$5495.00**
**2100SC-12S** 12-channel stereo **5695.00**

HOWE 9000

A new concept in consoles. The only modular consoles that do not require the broadcaster to purchase an expensive mainframe. This means a substantial savings, yet still affords the ability to add on channels and features at a later time.

The Series 9000 consoles are available in sizes from 8 to 22 channels. Check these features:

- 3 inputs per channel
- 3 outputs per channel, including mix-minus
- Each channel can be either mic or line level
- TTL Digital Logic for machine controls, assignable to each of your input selections
- Membrane switches for spill and dust proof service
- Linear faders designed to resist spillage
- VCA level control for the cleanest audio possible
- LED Status indicators for each channel function
- Standard analog V.U. meters
- Optional Vacuum Fluorescent meters
- Built-in Cue speaker
- Built-in Headphone Amp
- Choice of a clock or timer standard in smaller units
- Both clock and timer standard in larger units.

9008	8 Channel	. . . .	$ 8,995.00
9010	10 Channel	. . . .	10,995.00
9012	12 Channel	. . . .	12,995.00
9014	14 Channel	. . . .	14,950.00
9016	16 Channel	. . . .	15,780.00
9018	18 Channel	. . . .	17,335.00
9020	20 Channel	. . . .	20,119.00
9022	22 Channel	. . . .	21,825.00
3-Band EQ- per Channel		. . . .	375.00

**Add $200.00 per console for Vacuum Fluorescent metering.**
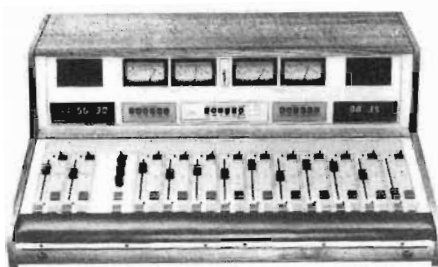
HOWE 7512A

The 7512A features the Howe Audio VCA design. It has a virtually RFI-immune audio section, 12 stereo channels, 22 inouts, push button digital logic for machine controls, dependable slide faders, and real-time clock and an up-counter timer . . . all standard.

7512A **$10,500.00**

Accessories:

| 702P	Phono Pre-amp	. . . .	$200.00
701MA	Monitor amp	. . . .	200.00
701TC	Telephone Coupler	. . . .	200.00
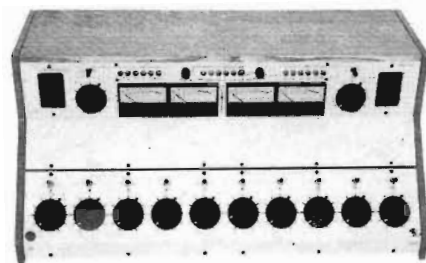
HOWE 7012 & 7012A

The 7012 is a 12-fader, 22-input console with stereo program, audition, and mono program outputs. The 7012A adds the versatility of left and right audition meters. An operator can then insure perfect segues, do off-air production, monitor remote lines, and perform many other tasks. These unique features include a "monitor dim" system that lowers the volume of the control room monitors as the control room microphone pot is opened. The control panel is sloped for comfortable operation from a standing or sitting position. Each program-audition switch contains extra contacts for the convenience of the user. A peak-reading, 10-position LED meter is located in the middle of the upper panel.

Howe consoles are extremely RFI insensitive. One reason is the computer-grade circuit layout. The critical audio circuitry is confined to a high density, plated-through mother card, less than 7"x17", with interchangeable VCA and pre-amp cards. The exclusive "Opti-Cue" system eliminates reliance on mechanical switching. The cue circuitry is activated when an infrared light beam reflects on a foil strip on the back of the fader knob.

7012	2 - VU meters	. . . .	$6900.00
7012A	4 - VU meters	. . . .	7300.00

Accessories:

702P	Phono Pre-amp	. . . .	$200.00
701MA	Monitor amp	. . . .	200.00
701TC	Telephone Coupler	. . . .	200.00
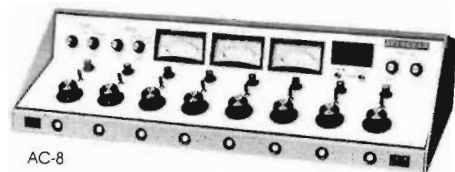
AC-8

AUTOGRAM AUDIO CONSOLES

AC-6	6-mixer mono	23-inputs	. . . . .	$4399.00
AC-6	6-mixer stereo	23-inputs	. . . . .	5014.00
AC-8	8-mixer mono	26-inputs	. . . . .	5564.00
AC-8	8-mixer stereo	26-inputs	. . . . .	6279.00
IC-10	10-mixer mono	28-inputs	. . . .	7650.00
IC-10	10-mixer stereo	28-inputs	. . . .	8445.00

Accessories:

Auto Clock—Time, Stop Watch,
Date & Temperature **$349.00**
Auto Code—Tape Cartridge Verification
Encode/Decode System **995.00**
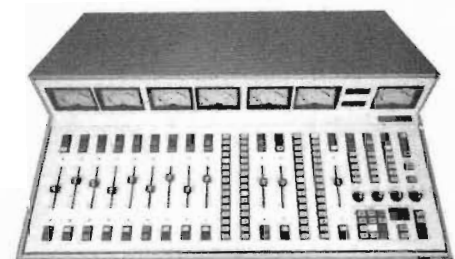
AUTOGRAM MICROGRAM

Autogram's Microgram microprocessor controlled audio console is a powerful addition for any broadcast control room.

It's built to handle board functions with ease while signaling and mixing numerous prescheduled events simultaneously.

The Microgram console can handle three stereo audio buses simultaneously; or run two completely separated automation systems on AM and FM, and still leave a bus open for production; or allow one bus to call another bus for simulcasting and other special situations.

In fact, the Microgram console can perform just about any control room function you want it to: from handling your daily schedules; to joining and leaving local or network programming; to turning on or off a coffee pot and station lights.

Pricing starts at **$16,000.00**

BROADCAST ELECTRONICS 50 SERIES

| 4M50	4-mixer mono	. . . .	$1050.00
4M50R	4-mixer mono rack mount	. . .	1095.00
4M50P	4-mixer mono w/XLR plug-in connectors	. . . .	1150.00
4S50	4-mixer stereo	. . . .	$1995.00
4S50R	4-mixer stereo rack mount	. . .	2050.00
4S50P	4-mixer stereo w/XLR plug-in connectors	. . . .	2150.00

"CROUSE-KIMZEY stocks many items ready for immediate delivery"

BROADCAST ELECTRONICS 4R50

The 4R50 rack-mount, four-mixer console brings, in a self-contained, compact package, operating versatility usually expected only in larger, desk-top units. The first three mixing channels are identical, accepting either low-impedance microphone or high-level inputs through rear panel preset switching. Two inputs may be selected for each mixer by adjacent switch operation. Mixer 4 has additional high-level input capability. It will accept one low-level input or three pushbutton-selected high-level inputs. Thus, a total of ten sources may be selected for up to four simultaneous ``mixes.'' Mixers are long-life sealed potentiometers, each equipped with cue switches. This permits preview of input sources through the built-in cue amplifier and speaker. An internal tone generator facilitates quick and accurate output level adjustment. Either program output or cue bus information may be monitored through the headphone amplifier with front panel jack output. Program material appears on a rear panel high-impedance output terminal for feeding external PA or monitoring equipment.

4R50 . . . . **$1495.00**
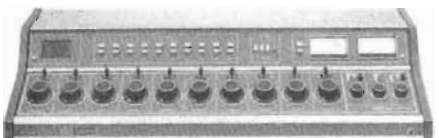

BROADCAST ELECTRONICS 250 SERIES

Deluxe dual-channel series featuring ladder step attenuators, modular plug-in electronics, telephone type channel key switches and contact-free bus selection.

5M250	5-mixer mono	$2695.00
8M250	8-mixer mono	3595.00
10M250	10-mixer mono	4650.00
5S250	5-mixer stereo	$3550.00
8S250	8-mixer stereo	4650.00
10S250	10-mixer stereo	5795.00

Options and Accessories:

#918-3602 mono matrix PC board
for stereo models **$125.00**
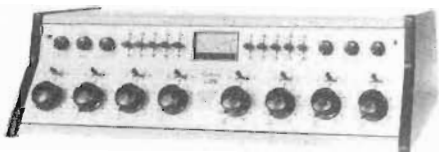
LPB SIGNATURE II SERIES

Features include:
- Step attenuators
- Plug-in modules
- 12-watt monitor
- Demonstrated RF immunity
- Switch selectable mic gain
- LED peak indicators
- All transformer inputs and outputs
- 3 inputs per channel on 8 and 10 mixers

|		
S-14A	5-channel mono	$2695.00
S-15A	8-channel mono	3495.00
S-21B	10-channel mono	4395.00
S-12	5-channel stereo	$3395.00
S-13C	8-channel stereo	4495.00
S-20	10-channel stereo	5395.00
Mono Mix-down Option for S-20		100.00

BROADCAST ELECTRONICS 150 SERIES

Versatility at a reasonable price. Features include sealed potentiometers, modular plug-in electronics, cue switches all mixers, and full monitoring capability.

5M150	5-mixer mono dual channel	$2295.00
8M150	8-mixer mono dual channel	2795.00
10M150	10-mixer mono dual channel	4195.00
5S150	5-mixer stereo	$2850.00
8S150	8-mixer stereo	3550.00
10S150	10-mixer stereo	5150.00

Options and Accessories:

#971-0021 second muting relay
5 & 8 channel . . . . $ 30.00
#918-3602 mono matrix PC board 125.00
#918-3604 line amplifier for stereo
audition 5S150 and 8S150
(2 required) 135.00
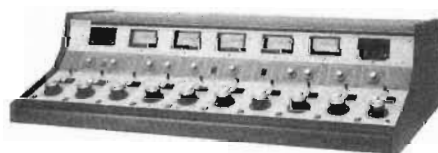
LPB CITATION SERIES

The Citation Series is loaded with features, options and accessories.

C-8S	8-channel Dual Stereo with Rotary Faders	$6995.00
C-8SL	8-channel Dual Stereo with Linear Faders	7995.00
C-10S	10-channel Dual Stereo with Rotary Faders	7995.00
C-10SL	10-channel Dual Stereo with Linear Faders	8995.00

Citation Console Accessories:

CMM	Mono Mixdown option, installed	$ 85.00
CVU	VU Meter Assembly, (additional, installed - 2 supplied)	135.00
CHZ	High Impedance Line Input Preamp plug-in, Stereo	45.00
CHO	Line Input Preamp/Reference Oscillator plug-in, Stereo	130.00
CCL	Digital Clock Assembly, installed	295.00
CTI	Digital Timer Assembly, installed	295.00
CAS	11 Position Aux Selector Switch in Place of Std. 4 Position Aux Selector Switch (2 ea.) installed	195.00
CSK	Spares Kit	65.00

> ### Prices Shown Are
> ### Factory Suggested List

MICRO-TRAK 6509

6509-RM	5-channel mono, 9 inputs	$1795.00
6509-RS	5-channel stereo, 9 inputs	1995.00
6509-DBM	5-channel mono, 9 inputs, dual buss	2250.00
6509-DBS	5-channel stereo, 9 inputs, dual buss	2495.00

MICRO-TRAK 6510DB

The Micro-Trak 6510 dual buss console features rotary faders, proven VCA technology, choice of input preamp types, plug-in electronics, and easy maintenance.

6510-DBM	10-channel mono, 14 inputs	$3150.00
6510-DBS	10-channel stereo, 14 inputs	3395.00
#92043-001	Monitor amp option	$149.00

MICRO-TRAK 6618 STEREO/MONO

Features include:
- Six mixing channels
- Eighteen inputs — three per channel
- Stereo and Mono outputs
- Built-in 10 watt monitor amp
- Selectable muting — switch selected
- Relays for "on the air" lights
- Plug-in PC cards and switches for easy maintenance
- Pushbutton input selector switches — color coded
- Noiseless latch logic line switches
- Choice of input preamplifier types
- LED line switch indicators
- Barrier terminal strip input and output terminations
- Extra monitor output at line level
- Conductive plastic main pots
- Simple quick release fastening for circuit cards for easy replacement
- Can be used for main control or satellite studio installation

6618 Stereo/Mono $3395.00

RADIO SYSTEMS ESA-10

The Radio Systems ESA-10 console combines elegant styling and superb audio specifications with more standard features than any other console on the market.

The ten channel, slide attenuator console accepts 30 stereo inputs and provides dual outputs, each with mono mixdown. Each channel allows programmable machine remote control, mic muting, and cueing options. Three stereo LED meters, clock, timer, and auxiliary switchers are standard equipment.

Performance features include complete DC control with no audio in the front panel, internal tone oscillator and set up meter, and individual level trims for each input.

ESA-10	**$9950.00**
Bank of five additional mic pre-amps	285.00
Copy stand	175.00
Remote start interface board (for Technics turntables)	65.00
Remote stop/start controller (for reel to reel)	125.00
Input board extender card	65.00
Long power supply cable (20' total length)	25.00

RAMKO DC-38 CONSOLES

DC-38-5M	Dual Channel 20 input console	**$4323.00**
DC-38-5S	Same as above stereo with mono out	5083.00
DC-38-8M	Mono, 32 inputs	5386.00
DC38-8S	Stereo, 32 inputs	6733.00
DC-38-10M	Mono, 40 inputs	5980.00
DC-38-10S	Stereo, 40 inputs	7780.00

SCHAFFER (CETEC) SERIES 2000

All Schaffer mixers are modular and have built-in monitor amps and muting relays. There are two inputs per channel plus five unwired utility buttons are included on each console and can be wired to provide up to four additional inputs. Program outputs are transformer-balanced, 600 ohm while audition output is unbalanced, 600 ohm.

2000	5-mixer mono standard pots	**$2440.00**
2001	5-mixer mono step attenuators	2690.00
2002	5-mixer stereo standard pots	2840.00
2003	5-mixer stereo step attenuators	3000.00
2004	8-mixer mono standard pots	3355.00
2005	8-mixer mono step attenuators	3630.00
2006	8-mixer stereo standard pots	3700.00
2007	8-mixer stereo step attenuators	4100.00

RUSSCO SERIES 500

The 505 is available in mono or stereo and has a total of nine inputs. The first four channels feature built-in preamps that can be quickly modified to accept microphone, phono, or hi-level signal. The fifth channel accepts five balanced, hi-level input lines. It cues on any channel and the mono version has a built-in 25-watt monitor amplifier. Remove the cover and it becomes a rack mount model.

505	mono	**$1336.00**
505S	stereo	2359.00
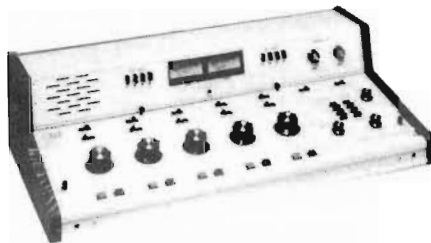
UREI 1600 SERIES

UREI consoles feature better than 90 dB signal to noise ratio, +24 dBm output into 600-ohm load, built-in cueing loudspeaker, built-in monitor, headphone and cue amplifiers.

1651	5 Mixer, rotary conductive plastic attenuators	**$2696.00**
1652	5 Mixer, Shallco rotary step attenuators	3396.00
1653	5 Mixer, Penny & Giles sliders	3696.00
1681	8 Mixer, rotary conductive plastic attenuators	3296.00
1682	8 Mixer, Shallco rotary step attenuators	4496.00
1683	8 Mixer, Penny & Giles sliders	4896.00
1691	12 Mixer, rotary conductive plastic attenuators	6496.00
1692	12 Mixer, Shallco rotary step attenuators	6776.00
1693	12 Mixer, Penny & Giles sliders	6996.00

Accessories:

1101	RIAA-NAB Stereo Phono Preamp powered from console, mounts at turntable	**$96.00**
10-13952	Monaural Microphone Preamp plug-in	80.00
10-13958	Stereo Line Preamp, plug-in	58.00
16-13951	Line Input Transformer	20.00
10-13959	Copy Stand, plexiglass	96.00
10-13960	Spares Kit	96.00
10-14698	Mono-sum output card	99.00

RAMSA WR-130

An 8-in 2-out mixer balanced in and out. Features include switchable stereo phono inputs, pre and post sub mixing, high and low equalizer, pan pots, overload indicators, aux inputs, echo send and receive, and headphone audition provision.

WR-130	**$995.00**
WR-Q51 rack mount kit	70.00

RAMSA WR-500

The WR-500 is an 8-in, 2-out remote mixer in flight case suitable for broadcast production or remote recording. Features include 3-way power supply (AC 120V, DC 12V, or built-in internal battery), cue or echo send through pre or post send control, XLR connectors on inputs, and XLR and ¼" phone plugs on program outputs A and B.

WR-500	**$1195.00**
WR-Q51 rack mount option	70.00

RAMSA WR-8210A

10-in 4-out recording mixer. Three control variable frequency equalizer on each input. 10 channel monitoring for 4 or 8 channel recording. Electronically balanced mic inputs. Switchable phantom power supply. Four 14-point LED bar graph meters.

WR-8210A	**$1995.00**

RAMSA WR-8112 & WR-8118

Recording/sound reinforcement mixers with three band variable frequency EQ section on each input. Stereo switchable sends for effects or tape monitoring and pre/post fader mono send. Three color peak LED metering of 8 separate signals. Solo monitoring and metering. Phantom power for condenser mics. XLR and phone jack connectors.

WR-8112	12x4x2	**$2500.00**
WR-8118	18x4x2	3150.00

RAMSA STEREO MIXING CONSOLES

The RAMSA stereo consoles can be used with a wide variety of input sources including tape decks, CD players, turntables, VCRs, and direct line inputs. Two channels on each of the three consoles in this series have stereo inputs on both the line and phono/recorder inputs. With the exception of these inputs, all of the inputs are electronically balanced for mic and line sources. Three main outputs (two stereo, one mono) are also on all three consoles. The WR-S208 is available in a rack mount version.

WR-S208	8x2 (portable)	**$1295.00**
WR-S212	12x2	**1795.00**
WR-S216	16x2	**2095.00**
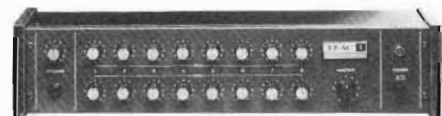
TASCAM MODEL 1B

8-in, 2-out line level mixer.

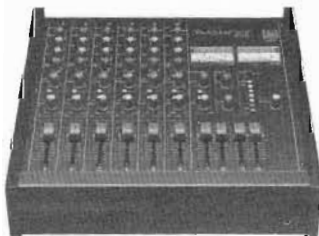**Model 1B** $200.00

TASCAM M-09

A 4-in, 2-out audio mixer with the following features:

- mic/line input selector
- parametric equalizer
- four individual inputs
- fader and pan
- master fader
- low cut filter
- headphone
- input w/volume control
- cue outputs

M-09 ....$299.00

TASCAM M-106

A 6-in/4-out mixing console with selectable inputs providing 6 mic in, 6 line in, and 4 RIAA phono in. Other features include 4 PGM busses, AUX buss with master level control, effect buss with master level control, PGM insertions, PGM master faders, effect return with level control and PGM buss assign/pan, monitor outputs (L,R) with monitor select matrix, mono switch, and monitor level control, meter select switch, and PGM sub in/effect sub in/AUX sub in.

M-106 ....$595.00

RAMSA 8-GROUP OUTPUT RECORDING MIXERS

The RAMSA WR-T812 and WR-T820 are eight group output mixing boards designed for eight and sixteen track recording. Both boards can simultaneously mix incoming signals with tape playback during overdubbing without the need for repatching. Each input offers pushbutton selection of electronically balanced mic, line, or unbalanced tape signals. Phantom 48V mic power is individually switchable for each channel and a phase reversal switch works on mic and line inputs. Two prewired phono pre-amps are built into both mixers for use with four preselected inputs.

|		
WR-T812	12 in, 8 out	**$3995.00**
WR-T820	20 in, 8 out	**4995.00**

Optional metering:

WR-TM12	full function VU/Peak LED meter bridge for WR-T812	**$695.00**
WR-TM20	full function VU/Peak LED meter bridge for WR-T820	**815.00**
WR-TM10	basic LED meter assembly for both	**215.00**

TASCAM MX-80

The MX-80 is an ideal microphone or line level mixer/submixer with up to 60 dB of gain available from input to output. It has eight balanced low impedance inputs and a stereo output. Handles – 70 dB mic to + 28 dBm line levels. Features phase swilches, phantom power provisions, patch in/outs, and switchable – 10 dBV or 0 dBu outputs.

MX-80 ....$429.00
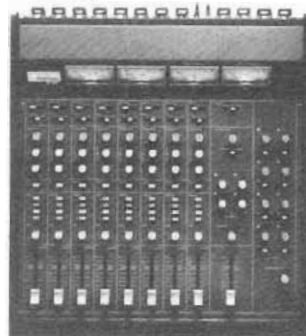
TASCAM M-30

Features Include:

8-In, 4-Out, 2-Monitor; 2 band parametric EQ; 2 stereo in/out phono terminals; 40dB input attenuation; input select; mic/remix/line; accessory send/receive on each input; direct out and channel assign mute; and stereo submix in/out.

M-30 ....$1300.00

RAMSA WR-8616 MODULAR MIXER

A modular broadcast/production console with 16 electronically balanced inputs and your choice of mono or stereo modules. Mono input modules are switchable between mic and line. Four group outputs (XLR balanced) with capability of monitoring up to 16 channels on a multi-track machine while recording. Two discrete mixes give full monitoring capability which can be independent of control room's mix. There's a 3-band continuously variable input EQ and six-channel remote start/stop capability for cart machines, turntables, etc. Phantom mic power at each input 48V. Extensive metering facilities of eight gan-graph and 6 VU meters.

Standard Equipment:

1 - **WR-8616** base mainframe	....	**$4125.00**
1 - **WU-8105** talkback/oscillator module		**included**
1 - **WU-8104** monitor output module	..	**included**
2 - **WU-8103** master output module	...	**included**
1 - **WU-8083** power supply unit	......	**included**

Optional Input Modules:

WU-8101 mono input module	....	**$225.00**
WU-8106 stereo input module	....	**215.00**

Optional Group Output Modules:

WU-8102 tape monitor group module	.	**$200.00**
WU-8107 basic group module	....	**130.00**
WU-8091 blank modules also available		**38.00**

ELECTROVOICE ELX-1

Features include:

- Four balanced transformerless inputs, switchable to mike or line level
- Extensive RF shielding and protection circuitry
- State-of-the-art circuit technology provides flat frequency response, low distortion, and low noise
- Input controls set actual gain of preamps for optimum noise performance with any input signal
- Phantom power available at microphone inputs
- Low-cut filters switchable at each input
- LED clip indicator at each input
- Accurate solid-state three-color bargraph meter shows peak output level and has clip indicator
- Switchable output limiter prevents clipping; Yellow LED lights when limiting occurs
- 1 kHz tone oscillator
- Transformer-isolated output; split windings present signal to 5-way binding posts and XLR-type jack
- One output switchable to mike or line level
- Headphone output, with separate power amp and level control, can drive any headphones or a cue speaker
- Powerable from AC line, internal batteries, or external source, with automatic switchover
- Electro-pulse® indicator shows power status and battery condition
- Detachable line cord and supplied shoulder strap allow portable operation

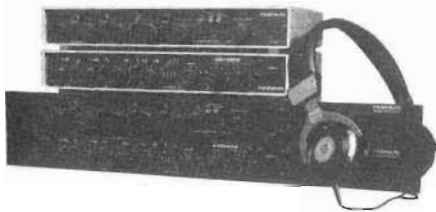|		
ELX-1	....	**$515.00**
RM-1 rack mount kit	....	**28.50**

M308

M312

M320

TASCAM 300 SERIES

Eight twelve or twenty input channel recording/sound reinforcement mixers with the following features on each channel:

- MIC or LINE selectable inputs
- Separate MIC and LINE TRIM controls
- 3 band sweep-type parametric EQ
- EQ bypass switch
- 2 assignable AUX send controls
- EFFECTS send control
- DIRECT OUT jack
- INSERTION jack
- MUTE and channel "on" indicator, Overload LED
- PGM and STEREO BUSS assign matrix and PAN control
- 4 PGM BUSS MASTER SECTIONS with AFL
- STEREO and MONO MASTER SECTIONS
- 8 assignable TAPE RETURN MONITOR sections with LEVEL and PAN
- 2 EFFECTS RETURN master sections
- Multiple MONITOR selection with stereo outputs and headphone jack
- +4dBm balanced and unbalanced outputs on PGM, STEREO and MONO busses
- 6 selectable VU meters with LED peak indicators

Features of the M312 and M320 only:

- 2 additional AUX sends in TAPE MONITORS
- Built-in TALKBACK MIC and signal routing switch array

M-308	8 inputs	$1649.00
M-312	12 inputs	2595.00
M-320	20 inputs	3495.00

TASCAM M-512 and M-520

The TASCAM M-500 Series are sophisticated audio mixing consoles designed for professional production applications. The M-520 (20-in/8-buss) is intended primarily for 16-track studios, while the M-512 (12-in/8-buss) is ideal for 8-track installations.

Main features:

- 20-input channels on the M-520, 12-input channels on the M-512, each with selectable inputs, provide:
  - 20(M-520)/(12(M-512) balanced XLR microphone inputs with individually switchable phantom power
  - 2 pair of instrument inputs (¼" phone and RCA pin)
  - 2 RIAA phono inputs (RCA pin)
  - 16(M-520)/8(M-512) line inputs (RCA pin)
  - 16(M-520)/8(M-512) multitrack tape returns (RCA pin)
  - 2 pair of stereo tape returns (RCA pin)
- 8 main program busses with buss master controls
- 4 independent auxiliary busses
- 16(M-520)/8(M-512) groups of stereo monitor mix controls
- 8 balanced amplifiers (input; RCA pin/22 kohms, output; XLR/600 ohms)
- Access Send/Receive on each input channel and program buss
- 3-band parametric EQ on each input channel
- Mute switch on each input channel
- Direct Out on each input channel
- Built-in talkback mic plus slate tone/test oscillator
- Stereo SOLO
- PFL (Pre Fader Listen)
- 12(M-520)/8(M512) VU meters with LED peak indicators
- 100mm input and buss master faders
- Rugged glass-epoxy mother boards

M-512	12 inputs, 8 outputs	$3995.00
M-520	20 inputs, 8 outputs	5495.00
CS-512	Pedestal for M-512	325.00
CS-520	Pedestal for M-520	325.00
CS-512	Top/side board for M-512	180.00
CS-521	Top/side board for M-520	180.00
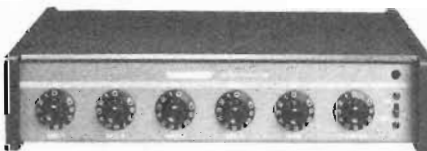
SHURE M268 MIXER

A microphone mixer with many of the features found on the M267 including simplex power. It makes an ideal add-on to the M267 as the two are matched in terms of performance and styling and the mix bus makes it possible to use the peak indicator and metered output of the M267 to monitor the outputs of both mixers.

M267	Mixer	$440.00
A268R	rack mount kit	24.45

SHURE M267 MIXER

Features Include: transformer balanced inputs and outputs, XLR and binding post outputs, mix bus, illuminated VU meter, low cut filters, low RFI and line noise susceptibility, wide frequency response, low distortion tone oscillator, battery check function, headphone level control, mic/line switch all channels, simplex (phantom powering), automatic muting circuit, built-in battery pack.

M267	Mixer	$440.00
A268R	rack mount kit	24.45

SHURE FP31 MIXER

Every channel has a mic/line level and low-cut filter switch and there's a built-in limiter with adjustable threshold. It can be powered by two internal 9-volt batteries or from an external 12-volt source. Phantom and A-B power are also provided. A slate tone can be laid down on the tape for locating specific takes and there's also a built-in mic for voice slating.

The mixer has two separate mic/line outputs for 2-camera shoots and a tape output to feed a cassette. For monitoring, there are two stereo headphone jacks (one for ¼" and one for miniplugs). A rugged nylon carrying case allows easy access to every mixer function and lets you piggyback the mixer on your VCR.

FP31	Mixer	$830.00

OTHER MICROPHONE MIXERS AND CIRCUITRY AVAILABLE FROM SHURE

M67	Microphone Mixer	$400.00
M68	Microphone Mixer	205.00
SE30	Gated Compressor Mixer	750.00

Accessories:

A30A	Carry Case for SE30	$178.50
A67B	Battery Power Supply for M67 and M68	36.65
A68L	Lock Panel for M67 and M68	19.45
A68M	Microphone Preamplifier for M68	83.45
A68R	Rack Panel for M67 and M68	20.85

PRIMUS ULTRA COMPACT AUDIO MIXERS

Unique concepts in design and packaging make the Primus compact mixers an affordable reality. These three new Primus mixers offer performance that exceeds the needs of most critical broadcasters and sound professionals alike. The active balanced inputs and outputs are RF beaded with all ICs individually decoupled. The complete working module slides out of the rear of the housing for ease of service. All inputs are mic or line selectable with a three year parts and labor warranty on all models.

P-4M 4 Channels, 6 Inputs, Mono **$495.00**
P-4MS 4 Channels, 4 Inputs, Stereo ... **699.00**
P-5MX 5 Channels, 5 Inputs, Mono,
      Expansion Jack **398.00**

MICRO-TRAK TELEFILE II

Telefile II is a general purpose four channel Audio Mixer with special tape recorder and telephone line interface to provide ultimate flexibility for Audio News Gathering and Video Production. It offers conventional XLR output, plus connects to a modular telephone handset cord. When used with telephone, the Telefile II provides full talkback. For Video Production, unit can be strapped to video cart, or takes little room at editing table. Mic level output interfaces easily with video recorders.

Telefile II **$695.00**

## GKC MODEL UMC-4 REMOTE MIXER
Features include:
- All ICs, wide flat frequency response
- 4 low imp. bal. mic inputs
- Line input
- Output: switchable bal. line level or mic level
- Clipper limiter
- Built-in tone oscillator
- Headphone amp
- ¾" VU meter
- Powered by 9V battery
- Connectors American standard
- Battery and neck strap
- Compatible with all ENG recorders
- 5¼"W, 4¾"H, 2⅜"D, 1¾ lbs.

UMC-4 .... **$550.00**

RAMKO PRIMUS SIDEKICK PORTABLE FIELD MIXER WITH INTERCOM

The Primus Sidekick is a portable four-channel mixer with cue on each channel, gain select on all inputs via external switches and internal plug-in resistors. The Sidekick is powered by standard 9-volt battery or an optional Ni-Cad pack. The VU meter also doubles as a battery life meter for alkaline or the Ni-Cad pack. The rear panel also has an intercom mic input which is dedicated to the intercom output only. All these features are in a 2½-pound package. The Sidekick also has a three-year warranty.

PM42 Sidekick **$560.00**
Ni-Cads and Charger **46.00**
Padded Carrying Case **49.00**
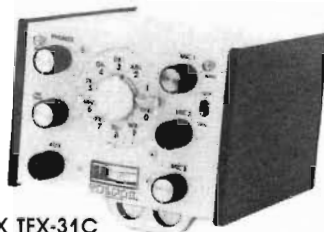
TELFAX TFX-31C

Features include:
- Built-in telephone dial, line amp, buzzer, and light
- 3 microphone and 1 auxiliary inputs
- Built-in headphone amp with two output jacks
- AC or battery operation ... has built-in rechargable NiCad battery
- Dual level output . . can be used on either a standard dial telephone line or a direct loop to station
- A special radio input circuit allows you to plug a portable radio in so you can monitor station thru headset and still retain "talk-back" capabilities with studio
- A switchable "Crowd Noise Cancelling Circuit" is incorporated in the headphone amp ... this enables you to hear studio cues with maximum clarity even in noisy environments
- Dimensions: 4½"H, 6¼"W, 6½"D, 6 lbs.

TFX-31C **$595.00**

MAXI-TEL REMOTE MIXER
Features include:
- 4 mic/line channels, no switching required
- LED clock and timer
- Pulsed line loss indicator
- 4 tape inputs. Two mini jacks, two ¼" phone jacks
- Power requirements: 8 "D" cell batteries for 40 hours of emergency back-up in case of failure of 12-V line power.

MAXI-TEL **$825.00**

Also available is the Maxi-two unit which features two mic inputs and one tape input.
It sells for **$425.00**

MICRO-TRAK SPORT III AND SPORT IV REMOTE CONSOLES

Portable dial-up audio consoles that allow a sportscaster to plug into any telephone jack and dial the station directly. An electric rotary dial uses a 12-button touchpad to create dial pulses for standard telephone systems, and a hybrid output stage gives the unit full talkback capability. Other features include built-in 2600 Hz filter to avoid accidental disconnects, line drop indicator to advise the user when the connection is lost, built-in AC supply, five-hour battery supply, and three headphone outputs.

Sport III inputs: 3 mike, 2 mixable to program and 1 spotter to headsets only. 1 auxiliary shares channel 2 with mike.

Sport IV inputs: 5 mike, 4 mixable to program and 1 spotter to headsets only. 1 auxiliary shares channel 4 with mike.

Size: 13¾" x 9½" x 4".
Weight: Sport III - 6½ lbs.; Sport IV - 7 lbs.

Sport III **$649.50**
Sport IV **799.50**
Accessory Case **99.95**

TELFAX TFX-131A

World's first phone remote unit with built-in 100% back-up capability accomplished by including an FCC registered Ultra 80 miniature electronic telephone. The phone fits inside the TFX-131 cabinet.

Features include: pushbutton dialing with memory redial, LCD clock/stopwatch timer, 4 microphone and 2 auxiliary inputs, tone oscillator, closed circuit spotter channel, instant compatibility with Low Freq. Extenders and other external audio processors, custom engraved call letter nameplate, modular phone line connectors, radio monitor input jack, electronic buzzer and LED signal incoming calls, built-in rechargeable Ni-Cad battery pack, switch selectable line level for either dial or loop lines, and weight 5 pounds.

TFX-131A **$795.00**
Optional carrying case **49.95**

## MICRO-TRAK DITTY DESK REMOTE CONSOLE

The Micro-Trak Ditty Desk comes equipped with the Micro-Trak 6509 (Mono or Stereo) console, two Technics SP-25 turntables, and two Micro-Trak 303 tone arms. An XLR termination panel allows quick disconnect for cart machines, reel to reel tape deck, cassette, and other audio inputs. The formica covered housing is built to last. The legs are adjustable (up and down) to let you operate at just the right height.

Ditty Desk — Stereo $3,795.00
Ditty Desk — Mono 3,595.00
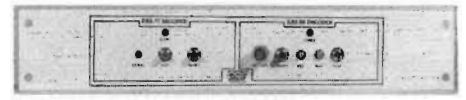
TFT EBS EQUIPMENT

The TFT Model 760 provides a modular unit for monitoring either an AM or FM station. Features include: a cabinet assembly to accept up to three EBS modules, a tunable AM synthesized receiver or crystal controlled single or dual channel FM receiver, and the FCC certified two-tone encoder/decoder.

Model 760-1A
AM Receiver/Encoder/Decoder $1195.00
Model 760-1B, Single Channel
FM Receiver/Encoder/Decoder 1195.00
Model 760-1C, Dual Channel
FM Receiver/Encoder/Decoder 1395.00

GORMAN REDLICH EBS EQUIPMENT

Model CEB	Encoder/Decoder	$425.00
Model CE	Encoder only	295.00
Model CE	W/Stereo Option	320.00
Model CD	Decoder only	250.00

Modified AM-FM Tuneable Receiver for
use with Model CEB $100.00
Model CRW Weather Receiver 425.00

TELCO AMERICAN EBS EQUIPMENT

The EBS-88 encoder and EBS-77 decoder is an EBS system in one rack mountable enclosure which will work with any AM or FM radio plugged into it. The decoder will respond to the new standard alert signal and will mute the connected radio and trigger a user supplied external alarm. The encoder will, when the activate button is pressed, cycle up and time the standard tones. A test button provides testing and level adjustment. A front panel test jack also provides access to the tones.

EBS Encoder and Decoder (complete) . $488.00
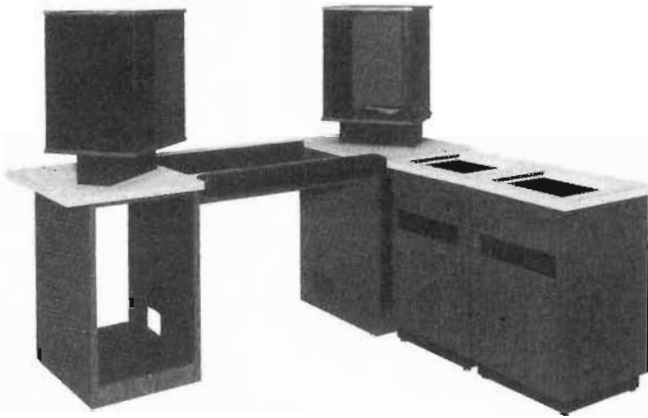
RUSLANG STUDIO FURNITURE

Ruslang furniture is constructed of quality materials, including high pressure laminates, making them sturdy and functional as well as attractive. This "S" series and "HD" deluxe series are both available in many colors. Standard colors are white for tops and Regency walnut for sides. Optional colors are available at no charge. Other colors and finishes are optional with additional charge. Ruslang can design and custom build or modify to meet any situation, size or odd shaped room.

Console Table w/Support Racks:

#CT/RB-9382-HD-10&11 (HD Series)		$650.00
#CT-80-S1 (S Series)		530.00

Overbridge Systems:
Rack space from 3½-33¼"
Depth of 13" to 19" available. Prices from .... $95.00 to $204.00

Single Pedestal Cabinets:

#SP-9382-HD-4 (HD Series)		$291.00
#SP-80-S2 (S Series)		266.00

Double Pedestal Cabinets:

#DP-9382-HD-2 (HD Series)		$480.00
#DP-80-S3 (S Series)		438.00
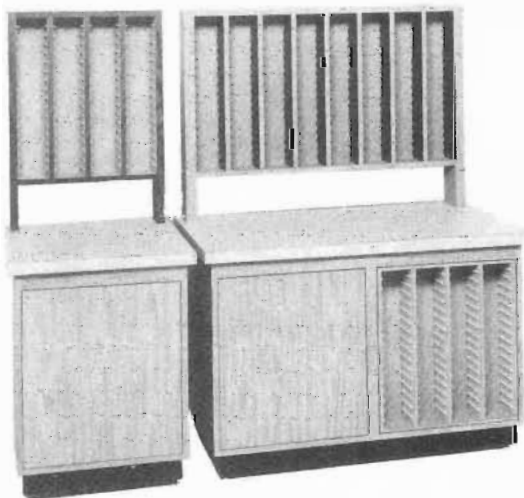
RUSLANG STUDIO FURNITURE

Pedestal Overbridge Cart Racks:

#PO-22-72 holds 72 (pictured)		$147.00
#PO-41-144 holds 144 pictured		210.00

Pedestal Base Cart Racks:

|		
#14-44 holds 44		$76.00
#21-68 holds 68 pictured		83.00

PACKAGE DISCOUNTS ARE AVAILABLE!

GRAPHIC EXPRESS CORPORATION STUDIO FURNITURE

Premium quality materials are used throughout: hardwood plywood, formica laminate, solid walnut edges with hand-rubbed Watco oil finish and Kydex plastic bases. Furniture supplied with light gray, black and walnut coordinates or custom woods and colors can be specified at additional cost.

The large number of access panels, held in place with quarter-turn fasteners, allow easy cable handling and quick access to cable runs. All units provide access through cabinet bottoms for sub-floor cable ducting. Rack rails are included where specified. Customer design and fabrication of studio cabinetry can be built to your specifications.

Double Turntable Module:	
DTM –5000	$ 898.00
Single Turntable Module:	
STM –5000	598.00
Single Turntable Dustcover:	
STD –5000	249.00
Double Turntable Dustcover:	
DTD –5000	449.00
Interview Table Modules:	
ITM –5000	749.00
Center Section Unit:	
CSU –5000	598.00
Utility/Rack Module:	
URM –5000	598.00
Connecting Cabinet Module:	
CCM –5000	598.00
Left/Right Pedestal	
LRP –5000	1995.00
Countertop Rack Pod:	
CRP –5000	399.00
Countertop Cartridge Pod:	
CCP –5000	490.00
Overbridge Copy Stand:	
OCS –5000	299.00
Finished End Panel:	
FEP –5000	59.50
Deck Rollaround Unit:	
DRU –5000	735.00
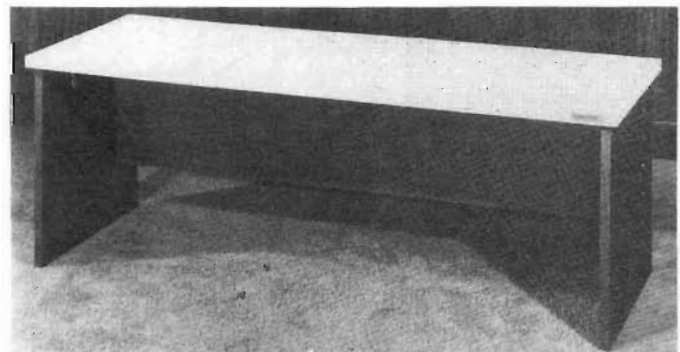
MICRO-TRAK CONSOLE TABLE

Series L 30" x 80"		$386.00
Series M 30" x 80"		475.00

Note: The L Series is finished with Cortena Pecan laminates on sides and uses Applejack color for tops. The M Group uses Regency Walnut for sides and Antique White for tops. Special colors are available at your request for a moderate extra charge.

MICRO-TRAK TURNTABLE PEDESTALS

Series L	Single bay	$289.00
Series M	Single bay	325.00
Series L	Double Bay	$360.00
Series M	Double bay	450.00

23-F-8-30⅛-864

RUSLANG CARTRIDGE RACKS

FLOOR TYPE LAZY SUSAN RACKS

Part Number	Description	List Price
23-F-4-10-⅝-144	15¼" sq. — 30¼" H — holds 144	$ 297.00
23-F-8-10⅝-288	15¼" sq. — 53¼" H — holds 288	497.00
23-F-12-10⅝-432	15¼" sq. — 76¼" H — holds 432	698.00
23-F-4-15½-216	20" sq. — 30¼" H — holds 216	397.00
23-F-8-15½-432	20" sq. — 53¼" H — holds 432	646.00
23-F-12-15½-648	20" sq. — 76¼" H — holds 648	895.00
23-F-4-20⅜-288	25" sq. — 30¼" H — holds 288	468.00
23-F-8-20⅜-576	25" sq. — 53¼" H — holds 576	766.00
23-F-12-20⅜-864	25" sq. — 76¼" H — holds 864	1064.00
23-F-4-25¼-360	30" sq. — 30¼" H — holds 360	552.00
23-F-8-25¼-720	30" sq. — 53¼" H — holds 720	899.00
23-F-12-25¼-1080	30" sq. — 76¼" H — holds 1080	1246.00
23-F-4-30⅛-432	34¾" sq. — 30¼" H — holds 432	637.00
23-F-8-30⅛-864	34¾" sq. — 53¼" H — holds 864	1033.00
23-F-12-30⅛-1296	34¾" sq. — 76¼" H — holds 1296	1430.00

TABLE TOP LAZY SUSAN RACKS

Part Number	Description	List Price
23-T-4-5¾-72	10½" sq. — 25½" H — holds 72	$203.00
23-T-8-5¾-144	10½" sq. — 48½" H — holds 144	353.00
23-T-4-10⅝-144	15¼" sq. — 27⅜" H — holds 144	285.00
23-T-8-10⅝-288	15¼" sq. — 50⅜" H — holds 288	485.00
23-T-4-15½-216	20" sq. — 27⅜" H — holds 216	384.00
23-T-8-15½-432	20" sq. — 50⅜" H — holds 432	633.00

RACK MOUNT CART RACKS

Part Number	Description	List Price
5¼"-16	5¼" Panel Space — holds 16	$50.00
7"-20	7" Panel Space — holds 20	53.00

(A)

(B)

RUSLANG STUDIO FURNITURE (A)

Wall Cart Racks:

Holds 18 carts,	1 row	$ 42.00
Holds 36 carts,	2 rows - 10⅝" W	56.00
Holds 54 carts,	3 rows - 15½" W	70.00
Holds 72 carts,	4 rows - 20⅜" W	83.00
Holds 90 carts,	5 rows - 25½" W	96.00
Holds 108 carts,	6 rows - 30⅛" W	109.00

MICRO-TRAK TAPE CARTRIDGE RACKS (B)

The Micro-Trak TT-72 is a Lazy Susan cartridge tape rack that holds 72 cartridges at a reasonable price.

TT-72	(holds 72 carts)	$ 79.50
TT-144	(holds 144 carts)	149.50
Tt-216	(holds 216 carts)	249.50

Wall Mount Cartridge Racks:

L-18	(Holds 18 carts)	$29.50
L-90	(holds 90 carts)	79.50
L-108	(holds 108 carts)	99.50

Floor Type Cartridge Racks:

F-144-2R	(holds 144)	$299.00
F-432-3R	(holds 432)	595.00
F-864-4R	(holds 864)	995.00
F-1080-5R	(holds 1080)	1150.00
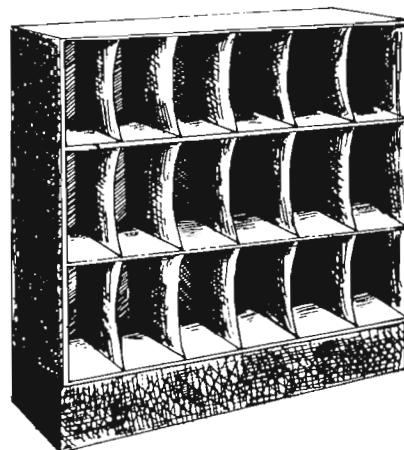
MICRO-TRAK RECORD STORAGE CABINETS

Micro-Trak's 12" record storage cabinets are available in widths of 36 and 48 inches and up to five stacks high. Please call for pricing.

"PACKAGE DISCOUNTS ARE AVAILABLE"

(A)   (B)   (C)

(A)   (B)   MR-200
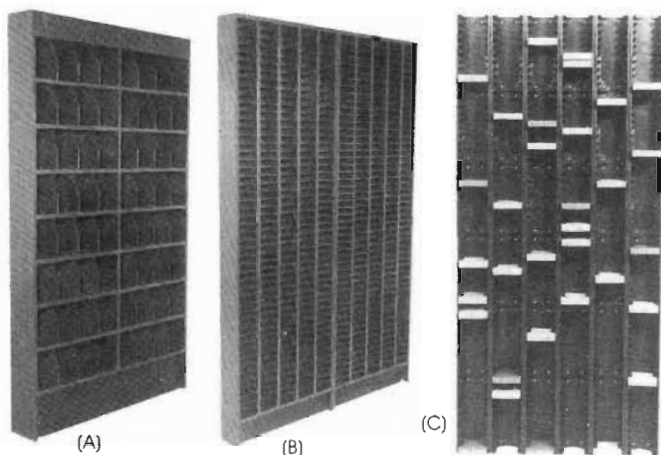
RECORD STORAGE CABINETS (A)

Custom sizes are available.

Model	Record Size	Storage Capacity	Dimensions			List Price
			Width	Depth	Height	
A/L1000A	7"	1000/45's	24"	7½"	84"	$226.00
A/L1500A	7"	1500/45's	36"	7½"	84"	268.00
A/L3000A	7"	3000/45's	48"	7½"	84"	321.00
A/L750B	12"	750/LP's	24"	12¾"	84"	231.00
A/L1000B	12"	1000/LP's	36"	12¾"	84"	269.00
A/L1500B	12"	1500/LP's	48"	12¾"	84"	330.00

TAPE STORAGE CABINETS

Custom sizes are available.

Model	Tape Size	Storage Cap	Dimensions			List Price
			Width	Depth	Height	
A/L350TB	7"	350	28"	7¾"	84"	$194.00
A/L500TB	7"	500	40"	7¾"	84"	309.00
A/L200TC	10½"	200	28"	11¼"	84"	267.00
A/L400TC	10½"	400	40"	11¼"	84"	320.00

Note: (All Prices include crating.)

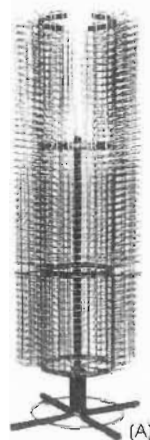## "A" LINE CARTRIDGE RACKS (B)

"N-SERIES" CART RACKS

All cart racks are normally supplied with walnut, pecan, gold or black laminate. However, they are available in any laminate on special order at extra cost.

| Model	Capacity	Dimensions		Rows		List Price
		Wide	High	Wide	High	
A/L100N	100	10½"	67"	2	50	$ 87.00
A/L150N	150	15⅝"	67"	3	50	128.00
A/L200N	200	20¼"	67"	4	50	169.00
A/L250N	250	25⅞"	67"	5	50	220.00
A/L300N	300	30"	67"	6	50	255.00
A/L350N	350	34½"	67"	7	50	301.00
A/L400N	400	39"	67"	8	50	336.00
A/L450N	450	43⅞"	67"	9	50	383.00
A/L500N	500	50¼"	67"	10	50	429.00
A/L600N	600	60"	67"	12	50	486.00
A/L800N	800	78"	67"	16	50	642.00
A/L1000N	1000	100½"	67"	20	50	840.00

SIMPAC TAPE CARTRIDGE STORAGE SYSTEM (C)

Build your own tape cartridge storage system. Each Simpac set holds 10 cartridges. Each set is interlocking and will fit together in any direction. Dimensions are 10¼"x4¾". Cart storage is much less expensive, plus you can design it your own way to fit most any space . . . and you can add more sets at any time. Pictured is a 360 unit storage system using 36 sets of Simpac modules.

1-25 sets	$5.95 each
26-50 sets	5.65 each
51-99 sets	5.30 each
100 up	4.95 each
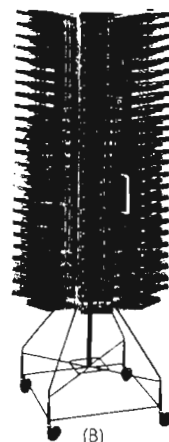
ABCO CARTRIDGE RACKS (A)

ABCO lazy susan wire carts racks are available in two sizes. The ABCO 500 holds 500 carts and has a maximum diameter of 28". The ABCO 300 holds 300 carts. Both racks have an overall height of 76 inches. Also available is a 50 capacity wall wire cart rack.

ABCO 300 (holds 300 carts)		$325.00
ABCO 500 (holds 500 carts)		489.00
ABCO 50 (wall rack holds 50)		49.95

FIDELIPAC CARTRIDGE RACKS (B)

WR-25	(holds 25 carts)	$ 28.70
MR-200	Lazy Susan type on casters (holds 200 carts)	296.50
TR-48	Table Top (holds 48 carts)	83.70
TR-96	Table Top (holds 96 carts)	150.40

"A" LINE CARTRIDGE RACKS

LAZY SUSAN CARTRIDGE RACKS

Lazy susan cart racks are normally supplied with standard four-inch base. However, any size base up to 30" is available. Special size racks are available. Walnut, pecan, gold or black laminate is standard.

Model	Capacity	Dimensions		Turning Diameter	List Price
		Square	High		
A/L100LS	100	12⅝"	33⅜"	18"	$ 166.00
A/L160LS	160	15"	25⅞"	22"	249.00
A/L240LS	240	19¾"	25⅞"	28"	290.00
A/L400LS	400	29⅛"	26½"	42"	496.00
A/L800LS	800	29⅛"	52⅛"	42"	836.00
A/L1000LS	1000	29⅛"	63½"	42"	1302.00
A/L1200LS	1200	29⅛"	75⅝"	42"	1508.00

Prices Shown are factory Suggested List

RUSLANG TAPE TRANSPORT CONSOLE

The RL-400 consoles are designed for the Otari Mark III series tape decks. The RL-400A accommodates both the Mark III-2 and Mark III-4. The RL-400B accommodates the Otari Mark III-8. Pictured is the RL-400B with a Mark III-8 tape deck and optional dbx noise reduction equipment.

RL-400A **$400.00**
RL-400B **418.00**

RUSLANG TAPE TRANSPORT CONSOLE

The RL600 tape transport console is for decks which have electronics integrated with transport. It accepts decks 19" wide and up to 21" deep. It features tilt-up quick-access and tilt-down for easy control handling. Optional overbridge can be added with special riser.

RL600 . . . . **$412.00**

TASCAM CS-607B

The TASCAM CS-607B is a roll around rack for any standard rack mount equipment. Ideal for signal processing or sharing tape machines between studios. The top section is twelve standard 1¾" rack spaces high (21"). The base has 5¼" standard rack space.

CS-607B **$310.00**

RUSLANG TAPE TRANSPORT CONSOLE

The economical RL200 is designed for tape transports in two sizes, 18" and 24". 18" accepts tape transport up to 15¾" high, 24" up to 21" high. Standard includes casters, all rack mount rails and 7" blank front panel.

RL200 - 18" **$245.00**
RL200 - 24" **271.00**

RUSLANG TAPE TRANSPORT CONSOLE

The RL500 tape transport console accepts tape transport 19" x up to 15¾" high (17⅝" high on special order). Transport tilts down infront for ease of operation; lifts up for service. Front directly under transport lifts off after loosening four mounting screws. Casters are included. The overbridge can accommodate any size required from 3½" high to 11" deep to 36" x 19" depth.

Prices range from . . . . **$466.00** to **$599.00**

MICRO-TRAK TAPE TRANSPORT CONSOLES

Series L and Series M both offer cabinets that accept transports up to 21½". 5¼" overbridges available. Prices are the same for both L and M.

Tape Transport Console **$395.00**
5¼" Overbridge for Electronics **89.50**
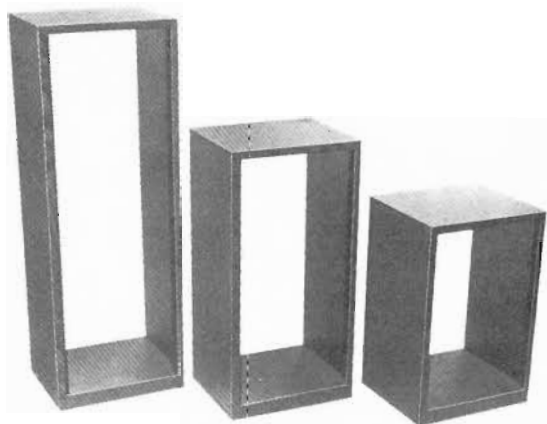
RUSLANG EQUIPMENT RACKS

These 19"racks are constructed of high quality materials including high pressure laminates and steel mounts. All racks are fully assembled and mounted on easy-move casters.

Rack Space Height	Depth Up to 18" List Price	Depth Up to 24" List Price
21"	$224.00	$229.00
24½"	231.00	237.00
28"	238.00	245.00
31½"	245.00	254.00
35"	253.00	262.00
38½"	260.00	270.00
42"	267.00	278.00
45½"	275.00	286.00
49"	282.00	294.00
52½"	289.00	302.00
56"	296.00	311.00
59½"	304.00	319.00
63"	311.00	327.00
66½"	318.00	335.00
70"	326.00	343.00

H.O.M.E. EQUIPMENT RACKS

Rear doors are included, accessories and colors are available. Assembled racks are available at an extra charge. Other styles are also available.

SCR Series (Knocked Down)

	Height	Panel Space	List Price
SCR 3675	41⅞	36⅞	$187.20
SCR 4200	46⅜	42⅛	195.00
SCR 6125	65⅝	61⅜	226.20
SCR 7000	74⅜	70⅛	273.00
SCR 7700	81⅜	77⅛	273.00

SOUNDOLIER EQUIPMENT RACKS

Rear doors are included, accessories and colors are available. Assembled racks are available at an extra charge. Other Soundolier racks are also available.

Series 100 (Knocked Down, Tapped Mounting Racks)

	List Price
100-36 (36" rack space)	$194.33
100-42 (42" rack space)	203.33
100-61 (61" rack space)	239.88
100-70 (70" rack space)	267.63
100-77 (77" rack space)	280.74

STAR EQUIPMENT CASES

Star Case manufactures six complete lines of re-usable shipping containers. The top of the line cases are A.T.A. approved, which means the cases are approved for air transit by the Airline Transportation Association, which guarantees safe transportation of delicate equipment in approved A.T.A. containers. From 19" rack equipment cases, to cases for your computer, Star cases can be built for any delicate, sensitive, or precious item.

Star 19" Rack Equipment Case (16 rack spaces, 28" ATA approved)	$375.63
Star Case for Kaypro 10 — Fiber Carrying Case	133.85
Standard ATA	205.34

Star will custom-make a case to fit almost anything, call Crouse-Kimzey for pricing as these are only a few of the Star cases!

ON AIR Lights ═══════════

FIDELIPAC ON AIR LIGHTS

The brilliant red lettering on a black background can be seen even in the brightest ambient light. The faceplate is made of unbreakable plexiglass and includes lamps and mounting hardware. The "ON AIR" light is also available in French, German, Greek, Japanese, Polish, Russian, Spanish, Swedish, and of course, English.

Fidelipac 340	$48.90

REPLACEMENT LAMPS

Crouse-Kimzey carries the complete line of WIKO lamps for projectors, studio and portable lighting kits. Call us for case lot or single lamp pricing.

FURNISHINGS ======================================= *Lecterns*

ANCHOR LECTERN

This versatile, portable lectern may be used with or without an audio system. Made of real oak, it has the "classic" look of a fine piece of furniture! With special tilt-n-roll casters it is easy to move. To convert the "Admiral" to a powered lectern, just place one of the mini-columns (C-150 or C-140) in the center column of the lectern behind the acoustically transparent front grille. With the installation of the optional AC-500 accessory kit, you just plug in the microphone and turn the unit on. This lectern with audio system is capable of handling crowds in excess of 500 people. Either powered column may be placed on a speaker stand and connected to the mic cable of the AC-500.

FL-500 with front grille for conversion to powered lectern. 46" x 25" x 20".

FL-500	"Admiral" lectern	**$495.00**
FL-501	Same except w/o speaker grille for insertion of column speaker	**495.00**
C-150	Self-contained portable sound system mounts in center column of lectern	**539.00**
C-140	Same as C-150 but without battery AC only	**429.00**
AC-500	Accessory package including gooseneck, connector, mounting flange, mic cable, and male XLR connector	**64.00**
MIC-84	Dynamic mic	**89.00**

ANCHOR LECTERN

Distinguished styling makes this handsome lectern the right choice for any setting. The cabinet is made of real oak with a medium finish. Its powerful 55-watt built-in audio system projects the speaker's words to the far corners of large meeting rooms. Its versatility make it useful for any audio application.

The system includes: powerful 55-watt (RMS) amplifier, full range speaker system, two low-Z mic inputs and one line input (each with its own volume control), record output, and tone control.

Additional features are: phantom power and high/low intensity reading lamp. 49" x 24" x 20" (HWD).

LP-600	"Seville" Lectern	**$1489.00**
LT-601	Lectern top only, no base	**1059.00**
LM-618	Concenser mic and gooseneck	**79.00**
LW-613	Casters	**79.00**

SENNHEISER HD410SL

Lightweight and comfortable, with smooth response. Replaceable 10-ft stranded-steel cable with standard ¼-in. stereo phone plug.
Frequency Range: 20 - 18,000 Hz.
Impedance: 600 ohm.   Weight: 2.8 oz.
HD410SL.............................$49.00
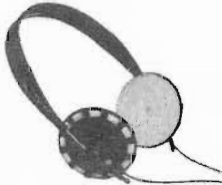
SENNHEISER HD40

Sennheiser's lighest standard-series Open-Aire headphone. 10-ft stranded-steel cable with ¼-in. stereo phone plug.
Frequency range: 20 - 18,000 Hz.
Impedance: 600 ohms.   Weight: 2 oz.
HD40 ....$37.50

SENNHEISER HD414SL

Improved, lighter-weight version of the original HD 414, Sennheiser's first and most famous Open-Aire headphone. Smaller diaphragm and samarium-cobalt magnets produce better transients and smooth response for professional and high-fidelity applications. Replaceable 10-ft stranded-steel cable with standard ¼-in. stereo phone plug.
Frequency range: 20 - 20,000 Hz.
Impedance: 600 ohms.
Weight: 2.6 oz.
HD414SL............................$84.00

SENNHEISER HD224X

Designed for studio monitoring and field recording applications. Padded headband for extra comfort. Replaceable 10-ft stranded-steel cable with standard ¼-in. stereo phone plug.
Frequency range: 16 - 20,000 Hz.
Impedance: 200 ohms.
Weight: 8.9 oz.
HD224X (closed ear) $153.00

ADDITIONAL SENNHEISER HEADSETS

HD44	....	$ 49.00
HD420	....	94.00
HD430	....	134.00
HD222	....	128.00
HD230	....	159.00
HD425	....	130.00
MS-100	....	85.00

SENNHEISER REPLACEMENT PARTS

HD40	ear cushions	....	$ 1.59
	driver element	....	12.70
	cable	....	11.45
HD410	ear cushions	....	$ 3.18
	driver element	....	20.10
	cable	....	16.30
HD414	ear cushions	....	$ 5.30
	driver element	....	23.30
	cable	....	16.30

STANTON HEADPHONES

Model			
Dynaphase 60A	....	$45.00
Dynaphase 55/600	....	42.00
80	....	42.00
45	....	28.00
16	....	24.00
14	....	18.00
4	....	11.50

BEYER DYNAMIC HEADPHONES

Extremely lightweight and comfortable, the Beyer DT660mkII headphone embodies the very best of the leading edge German technology. A closed design, the DT660 is the world's first bass reflex headphone system. An extended frequency range of 15-25,000 insures a natural, well balanced sound. The DT220 is also a closed design with a 20-20,000 frequency range.
DT660mkII $120.00
DT220 .... 75.00

BEYER DYNAMIC HEADPHONES

The Beyer DT330mkII offers superior sound at a modest price. The semi-open design is comfortable with a full and clean bass response. An adjustable suspension strap and soft cicumaural earpieces provide extra comfort. The frequency range of the DT330mkII is 15-18,000 Hz.
DT330mkII $60.00

BEYER DT100

Beyer DT100 professional headphone, closed ear design. A rugged, reliable comfortable headphone for radio and TV alike. Available with detachable cord and different impedances.
DT100 ....$120.00

R-COLUMBIA HEADPHONES

The R-Columbia headphones are molded from ABS plastic, all cords are million flex-life tinsel, and all parts are field replaceable. The broadcast quality headphones have a unique transducer and ear cushion design which together form a small anehoic type chamber into which the user's ear fits. Nothing rests against the ear so fatigue over long periods is greatly reduced.

BQ3	Mono headphone, 8 ohm	$64.95
BQ3H	Same as above but with impedances of 150,600 or 2K ohms	72.55
BQ	Stereo headphone, 8 ohm	76.95
BQH	Same as above but with impedances of 150,600 or 2K ohms	86.85
BQ2	Single ear headphone 8, 150,600 or 2K ohms	61.95

R-COLUMBIA CONDENSER MICROPHONE BOOM ATTACHMENTS

R-Columbia Electret Condenser mic booms can be ordered attached to any BQ series headphone. Price includes the condenser mic, FET mic amplifier, externally replaceable battery supply, and power on/off switch which doubles as a cough switch.

ET-1	Electret Condenser microphone boom attachment (omni-directional)	$74.95
ET-2	Same as above, but with cardioid noise cancelling design	$89.50
SB/2	Custom designed headphone with noise cancelling mic mounted on a revolutionary rotating gooseneck boom that mutes the mic at the top of its rotation. Powered by a single standard 9-volt battery. Available in 8,600, 2K or 10K headphone impedance. Mic impedance 600 ohms.	$195.00
	6-foot coiled cord ....Add	15.00
SB	Same as above but with double ear pieces which can be wired binaurally (cue in one side, program in the other)	$245.00
	6-foot coiled cord	24.00

The complete line of R-Columbia headsets and intercom systems are available from Crouse-Kimzey, please call for pricing.

SENNHEISER HMD-224X SPORTSCASTER HEADSET
HMD-224X closed ear $220.00

SENNHEISER HMD-414X SPORTSCASTER HEADSET
HMD-414X open ear $200.00

SHURE 512
The Shure Model 512 is a specially designed headset combining an efficient "Open Air" headphone with a unidirectional, close talking dynamic microphone. Applications include drummers, keyboard players, sports and news announcing, communications systems, and special events remote broadcasting.

Model 512 . . . . $117.00

R-COLUMBIA BROADCAST HEADPHONES
The R-Columbia SB-700/2 has a noise cancelling electret condenser microphone mounted on the end of a stainless steel mic boom. This rugged headphone is made of plastic parts molded from ABS material, the same plastic used in Western Electric telephones. The headband is also stainless steel and the cord will withstand ½-million flexes before failure. All parts are replaceable and the battery has a 6-month life if never turned off. The SB-700 is also available with two ear muffs and can be operated monaural, binaural or stereo.

Model SB-700/2 single ear, terminated in a 4-pin XLR. Specify impedance 32, 600, or 2K ohms $199.95
Model SB-700 Same as above with double ear model terminated in 5-pin XLR. Specify impedance desired 249.95

BEYER DT109
Dynamic headset with built-in dynamic boom mic and dual muff configuration.

DT109K   straight cable $153.00
DT109WK   coiled cable 158.00

SHURE SM12A & SM14A
SM12A—Single Receiver:
Features:
- Single source earphone
- Noise cancelling, unidirectional, close-talking microphone
- Light weight headband

SM14A—Dual Receiver:
Features:
- Two independent signal feed earphones
- Noise cancelling, unidirectional close-talking microphone
- Light weight padded headband

Windscreen is provided for both models.

SM12A $180.25
SM14A 238.75

SB-700/2   Model SB/2

ASTROLITE HEADSETS
Model 2636
(Dynamic mic, double muff) $208.00
Model 2638
(Omni-Electret mic, double muff) **259.00**
Model 2637
(Noise-cancelling Electret mic, double muff) **259.00**
Single muff, replacement mics and parts available, call for details.

THE STANTON NARRATOR
A stereo headphone with mono dynamic microphone on an adjustable, flexible gooseneck.
Stanton Narrator $36.00

R-COLUMBIA SB SERIES
The R-Columbia SB Series is a closed ear design with a rotating boom (with mute at the top of its travel). The mainframe of this headphone has been in production since 1965 and has a time proven record for durability. All plastic parts are molded from ABS plastic and every piece is replaceable. The cord will flex ½-million times before failure. The battery has a one-year life if never turned off. The double ear model can be operated in mono, stereo or binaurally.

Model SB/2 Single ear terminated in 4-pin XLR. Specify 8, 600, 2K or 10K ohms $210.00
Model SB Same as above but double ear terminated in 5-pin XLR. Specify impedance desired 265.00

DL42

RE20

DS35

DO56

635A

SM-58

SM-5B

SM-57

SM-81

SM-11
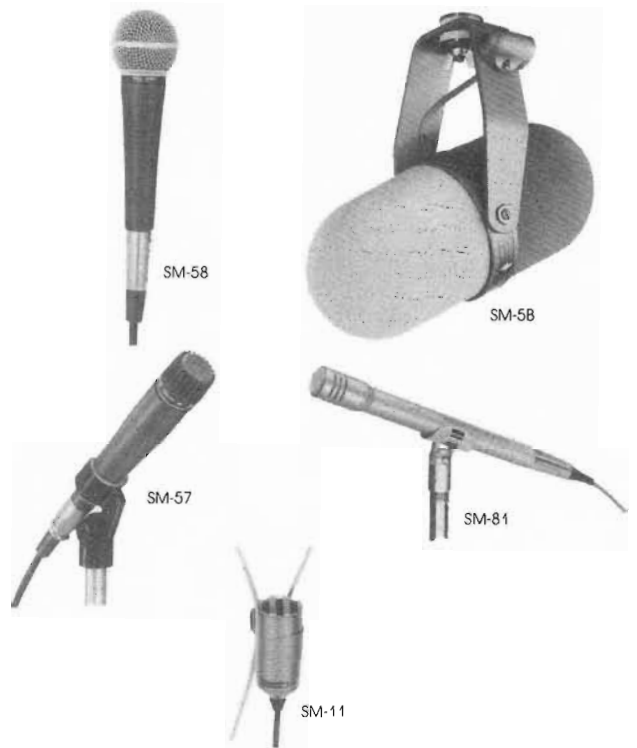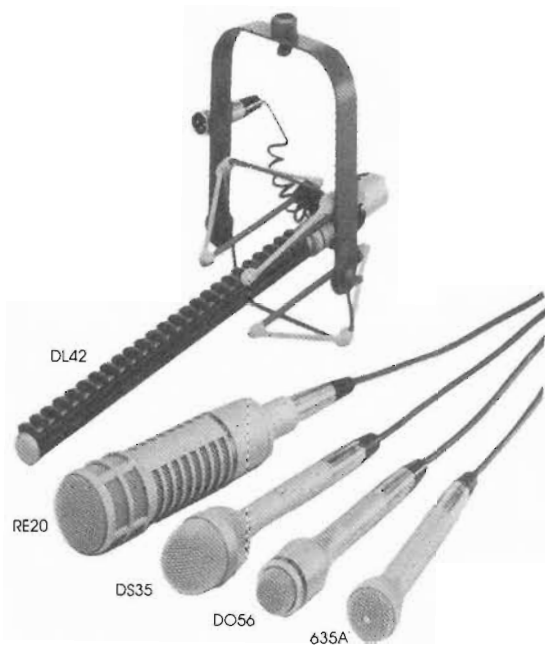
ELECTROVOICE MICROPHONES

635A	Omni-directional	$103.00
667A	Cardioid (w/Shock Mount)	589.50
DL42	Cardiline Dynamic Shotgun	589.50
D056	Omni-directional	130.00
DO56L	Omni-directional (Long handle for eng.)	147.00
DS35	Cardioid	166.50
RE10	Super Cardioid	177.85
RE11	Super Cardioid	190.00
RE15	Super Cardioid	267.00
RE16	Super Cardioid	280.00
RE18	Shock Mounted Cardioid	291.00
RE20	Cardioid	515.00
RE30	Omni-directional Line/Mike Level Condenser	400.00
RE34	Cardioid Line/Mic Level Condenser	400.00
RE55	Omni-directional	259.00
C090	Omni-directional Lavalier	150.00

ELECTROVOICE ACCESSORIES

309	Shock Mount (RE-20)	$68.40
310	¾" Clamp (black) for 635A	8.20
310A	¾" Clamp (grey) for 635A	8.20
313A	Shock Mount for ¾" mics	30.75
314	Windscreen (RE-10, RE-15)	17.40
314E	Windscreen (635A)	8.20
338	Windscreen (RE-18)	17.40
351	Windscreen (DO-56, DO-56L), Popfilter (RE-18)	9.25
355A	Windscreen (RE-55, DO-54, 654A, 655C)	8.20
379	Colored Windscreen (DO-35, RE-11, RE-16, RE-50), Colors (379-1 charcoa, 379-2 red, 379-3 orange, 379-4 yellow, 379-5 green, 379-6 blue, 379-7 violet)	8.20
390	Dual Microphone Tie Clasp CO90	7.00
422	Desk Stand Clamp Type	20.50
AC24M	Remote AC Power Supply for Condenser Microphones	138.60

SHURE MICROPHONES

SM5B	Unidirectional Dynamic Boom	$551.75
SM7	Unidirectional Dynamic	510.00
SM11	Omnidirectional Dynamic Lavalier	98.00
SM54	Unidirectional Dynamic	346.25
SM57	Unidirectional Dynamic, Less Cable	127.75
SM58	Unidirectional Dynamic, Less Cable	164.75
SM59	Unidirectional Dynamic, Less Cable	189.50
SM61	Omnidirectional Dynamic, Less Cable	128.75
SM63	Omnidirectional Dynamic, Less Cable	110.00
SM77EB	Unidirectional Dynamic—Ebony, Less Cable	105.50
SM78EB	Unidirectional Dynamic—Ebony, Less Cable	136.25
SM81-LC	Unidirectional Condenser, Less Cable	336.75
SM82-LC	Unidirectional Condenser, Line Level, Less Cable	365.00
SM83-CN	Omnidirectional Condenser, Lavalier	210.00
SM90	Low Profile, Omnidirectional Condenser, Surface Mount	300.00
SM91	Low Prifile, Unidirectional Condenser, Surface Mount	300.00
838	Omnidirectional Condenser, Lavalier	115.00

Pre-Wired Cables are available, see pricing on page 26.

SHURE BROTHERS MICROPHONE ACCESSORIES

PS1	Power Supply for SM80, SM81	$142.00
PS1-E2	Power Supply for SM80, SM81 120/240 VAC Three-Core Cable	172.00
A2WSA	Windscreen for SM57/SM77 Series	10.85
A45Z	Speaker Miking Bracket	12.95
A53HM	Shock Stopper for SM85	30.00
A53M	Isolation Mount, designed for SM54, SM59, SM61, SM63, SM81, SM82	35.55
A55HM	Shock Stopper for SM57, SM58	30.00
A55M	Isolation Mount for SM57, SM58, SM77, SM78	35.55
A61WS	Windscreen for SM58 (Black, Blue, Brown, Green, Orange, Red, White, Yellow)	4.70
A81G	Pop Filter for SM80/SM81	42.75
A81WS	Windscreen for SM80/SM81	29.45
A82WS	Windscreen for SM82	11.10
A85WS	Windscreen for SM85/SM87	7.40

> ## CROUSE-KIMZEY STOCKS MANY ITEMS
> ## READY FOR IMMEDIATE DELIVERY!
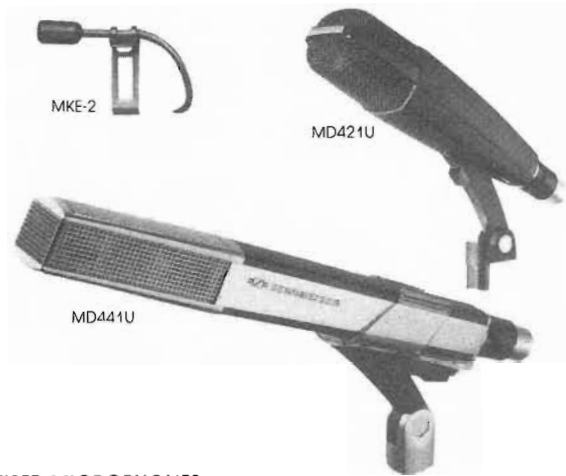

SENNHEISER MICROPHONES

MD421U	Cardioid	$332.00
MD441U	Super Cardioid	469.00
MKE-2	Sub-Miniature Omnidirectional Lavalier with K3U Power Supply	265.00
ME-80	Short Shotgun Module	201.00
ME-88	"Spot" Shotgun Module	270.00
K3U	Power Module	172.00

SENNHEISER MICROPHONE ACCESSORIES

MZA-421	Lock-On Stand Adapter to fit into slot on underside of MD421U	$ 25.50
MZA-441	Quick Release Stand Adapter for MD441U	35.60
MZQ-421	Quick Release Adapter converts MZA-421 Lock-On Stand Adapter to Quick Release	6.90
MZB-415	Fish Pole Boom, 10½ feet extended 4 ft. collapsed, 26 oz weight	321.00
MZQ-22	Double Clip for MKE-2, Black	10.50
MZW-421	Grey Foam Windscreen for MD421U	23.35
MZW-40	Grey Foam Windscreen for MD421/MD441	27.55
MZW-88	Grey Foam Windscreen for ME-88	53.00
MZW-415	Grey Foam Windscreen for ME-80	27.55
Tensimount II	Shock Mount for MD421U/MD441U	29.95
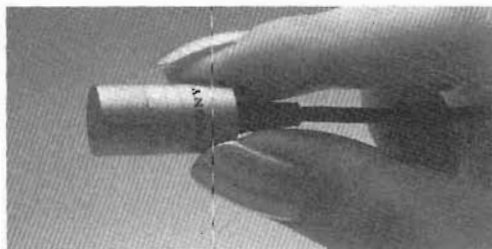
SONY MICROPHONES

Broadcast standard electret condenser lavalier microphone available in black or nickel finish. Omni-directional with either 48V phantom or battery operation.

ECM-50PSW nickel	$215.00
ECM-50 PBW black	215.00

Other models available:

ECM-33F	$195.00
ECM-23F	120.00
ECM-30 Lavalier	125.00
C-48	795.00

SONY MICROPHONE ACCESSORIES

AC-148F	48V Phantom Power Supply	$250.00
SAD-37	Tie Clips for ECM-50, Silver (6)	25.00
SAD-38	Tie Clips for ECM-30, Silver (6)	25.00
SAD-39	Double Tie Clip for ECM-50, Silver (6)	33.00
SAD-39B	Double Tie Clip for ECM-50, Black (6)	33.00

AUDIO-TECHNICA MICROPHONES

|		
ATM41	Unidirectional Dynamic	$170.00
AT811	Unidirectional Electret	115.00
AT813	Unidirectional Electret w/Pop Filter	131.00
AT831A	Unidirectional Lavalier (battery or 9-52V phantom)	136.00
AT815A	Line/Gradient Shotgun	230.00
AT835	Short Line/Gradient Shotgun w/Bass Roll-Off Switch	220.00
AT815R	Line/Gradient Shotgun w/Bass Roll-Off (9-52V external power only)	310.00
AT813R	Unidirectional Electret (9-52V external power supply only)	189.00
AT812	Unidirectional Dynamic	120.00
At802	Omnidirectional Dynamic	99.00

AUDIO-TECHNICA MICROPHONE ACCESSORIES

Windscreens:

AT8101	For AT801, AT802	$ 6.50
AT8111	For AT811	6.50
AT8112	For AT812	6.50
AT8114	For AT813, AT813R, AT814, AT814A, ATM41	6.50
AT8115	For AT836	6.50
AT8116	For AT803A, AT803R, AT831A	6.50

Line Matching Transformers:

AT8201	LO-2/HI-2 XLRF IN, ¼" Phone Plug Out	$29.50
AT8202	In-Line Attenuator (10, 20, 30 dB)	33.00
AT8501a	Dual 9V Battery Supply	78.50
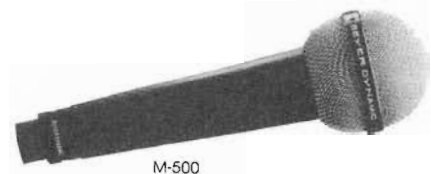
BEYER MICROPHONES

M500	Dynamic Ribbon Hyper-Cardioid	$239.95
MC734N(C)	Vocal Condenser Cardioid Pattern requires 48V Phantom PWR	830.00
MC736N(C)	Short Shotgun Condenser, Cardioid/Lobe Pattern Switchable 12dB Attenuation and Bass Roll-Off	725.00
MC737N(C)	Long Shotgun Condenser, Lobe Pattern Switchable 12dB Attenuation and Bass Roll-Off	825.00

BEYER MICROPHONE ACCESSORIES

|		
MSB9N(C)	Battery Power Supply to power one condenser microphone uses one 9V battery for balanced inputs	$135.00
MSG248N(C)	48V Phantom AC Supply for one or two condenser microphones for balanced inputs	200.00
MSG648N(C)	Same as above for up to 6 mics	425.00
ZMS1	Adjustable mounting rack fits two microphones for stereo recordings with a maximum separation of 8"	6.95
EZ24 BLK	Shock Mount for mics from 25/32" to 1¼6" (Black)	79.95
EZ24 CHR	Same as above, Chrome finish	69.95
ST210/1 BLK	13" Tripod Legs extends to 64" with 33¼" Boom (Black)	59.95
ST210/1 CHR	Same as above, but Chrome	58.95
MZA716	Fishpole Boom, Fiberglass Telescoping	200.00

PZM 30

PCC 160
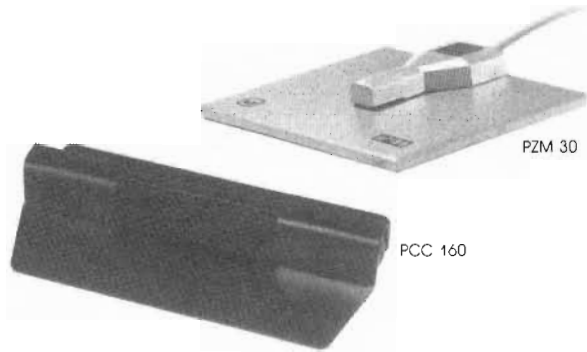
CROWN PRESSURE ZONE MICROPHONES

PZM-30GPG	(Available in Black or Gold)	$359.00
PZM-31S	(Guaranteed Response 20Hz-20KHz)	359.00
PZM-3LVC	Single Capsule Lavalier PZM	229.00
PZM-3LVRD	Two Capsule Lavalier PZM	329.00
PZM-180	Phantom or Battery (N cell) "Semi-Pro"	169.00
PZM	Sound Grabber	99.00
PCC-160	Phase Coherent Cardioid	249.00

Crown PZM Accessories:

PH-4	48V Phantom Supply 4-In, 4-Out (must be connected to interface supplied with mic)	$179.00
A240	Flat 2-ft x 2-ft Clear Boundary, extends low frequency response of PZM, makes it more directional	14.95
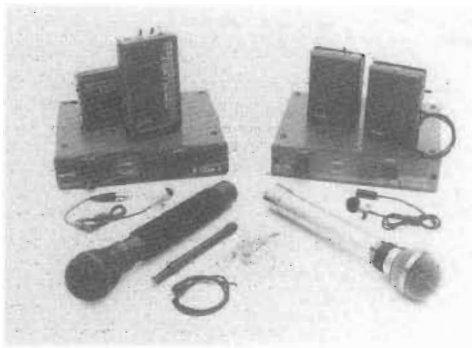
EDCOR WIRELESS MICROPHONE SYSTEMS

EDCOR wireless microphone systems operate on the low band (30-50MHZ.) or high band (150-210MHZ.). Both systems use dynamic linearization techniques in the receiver to minimize distortion. These systems are available as a hand-held, lavalier with a body pack type transmitter and diversity receivers. Please specify frequency when ordering.

Low Band 30-50 MHZ:

PM 5	Hand-held Transmitter with EV 684 Dynamic Cardioid Head	$352.00
PM 5(PB)	Same as above with On/Off Switch	367.00
ST 3B	Single Channel Crystal Controlled Receiver	372.00
AM 5	Extendable Whip Antenna	20.00
PM 1	Pocket Type Transmitter for use with a Low Z or Electret Phantom Powered Mic	210.00

High Band 150-210 MHZ:

E COM 1	Pocket Type Transmitter for use with a Low Z Dynamic or Electret Phantom Powered Mic	$375.00
E COM 1	Hand-held Transmitter with EV 671 Dynamic Cardioid Head	413.00
E COM 1	Same as E COM 1 Hand-held, but with On/Off Switch	427.00
E COM 1	Same as E COM 1 but with Shure SM58 Mic	562.00
E COM 3	Single Channel Crystal Controlled Receiver for use with E COM 1 Transmitters	450.00
E COM 7	Pocket Type Single Channel Receiver	298.00
AD 150	Diversity (less antennas) Unit Pre-Amp Active RF Combiner	247.00
AM 3	Antenna for use with E COM 3, 5 or AD 150 (magnet mount)	54.00
System 2000 transmitter (lavalier) and receiver		825.00
System 2000 transmitter (hand-held) and receiver		862.00

Other mics and system configurations are available, please call CROUSE-KIMZEY for details.
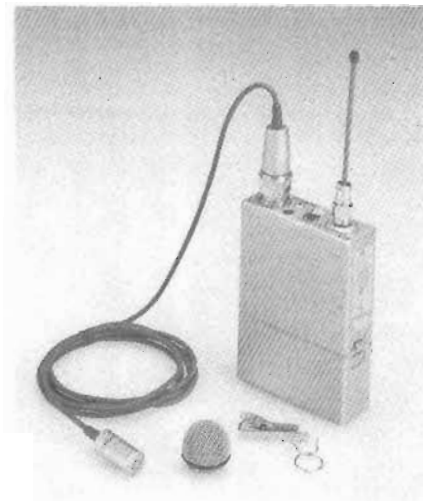
SONY WIRELESS MICROPHONE SYSTEMS

Through the use of Sony developed hybrid ICs, low noise dual gate mosfet front end and helical resonator filters, the Sony wireless microphones offer the same dynamic range as that of wired microphone systems. The portable systems offer compact reliability, comprised of miniature transmitters, easy to carry antennas, compact tuners, and accessories, these systems offer flexible configurations to cover the full spectrum of user requirements. Both the studio and portable systems operate in the UHF band and are designed to interface perfectly with each other in terms of channels, connectors, and input/output specifications. Diversity reception is possible in both the studio and portable systems to achieve higher quality and eliminate signal dropouts present in any system.

Portable Systems:

WRT-27A	UHF Transmistter	$1150.00
WP-27	UHF Power Amplifier	725.00
AN-17	UHF Sleeve Antenna	170.00
AN-27	UHF Shoulder Antenna	100.00
WRR-27	UHF Receiver	1800.00
WRR-37	UHF Diversity Receiver	5000.00

Studio Systems:

WRT-57	UHF Wireless Microphone	$ 895.00
AN-57	UHF Ground Plane Antenna	135.00
WB-57	UHF Antenna Booster (20dB Gain @ 900MHZ)	750.00
WD-55	UHF Antenna Divider (1 antenna to 8 tuners, 2 antennas to 4 tuners)	1300.00
WRR-57	UHF Unit (two switchable operating frequencies)	2000.00
WRR-55	UHF Diversity Receiver	1500.00

Portable Base Units and Rack Mountable Tuners and Antenna Dividers are available, please call CROUSE-KIMZEY for pricing.

MICROPHONES ══════════════════════ *Accessories*

SHURE PROBLEM SOLVERS

A15AS	Attenuator, 15, 20, or 25dB loss	$39.45
A15BT	Matches balanced or unbalanced devices, 33K ohm primary, 600 or 7500 ohm secondary	42.50
A15HP	Provides low frequency cut off	34.45
A15LA	Converts balanced low impedance microphone input to bridging line level input	34.45
A15LP	Provides high frequency cut off	34.45
A15PA	Adds "Presence"	34.45
A15PRS	Provides phase reversal	34.45
A15RS	Sibilance filter	34.45
A15TG	Produces continuous 700Hz balanced signal— drives low impedance lines	68.35
A95U	Low to high or high to low impedance matching transformer—XLR male to ¼" jack or plug (both supplied)	29.60
A95UF	Same as A95U with XLR female	31.70
A97A	Low to medium impedance matching transformer XLR male to ¼" jack or plug (both supplied)	28.05
A97F	Same as A97A XLR female to short cable with miniature phone plug (3.5mm/964")	34.70

ATLAS MICROPHONE STANDS
Professional Boom Stand:

Grip-action clutch with integral air suspension system to counter-balance boom weight. ⅝"-27 thread at microphone end. Boom length 62". Adjustable vertical height from 48" 59 72". 17" dia. triangular base. Textured charcoal base with chrome cover. Furnished with cable hangers. Weight: 36 lbs.

SB-36 .... $225.15

ATLAS BOOM ATTACHMENT
Contemporary Microphone Boom Attachment:

Single positive-action triangular knob to control motion and positioning. One-piece universal swivel. Chrome tube 31" long, ⅝"-27 thread, tapered counterweight. Weight: 3 lbs.

BB-44 .... $24.60
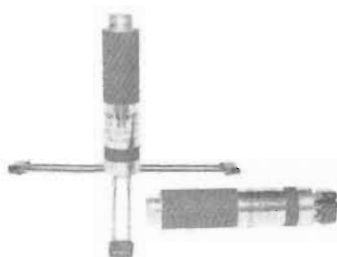
GKC COLLAPSIBLE STAND

Ideal for remotes or conferences, lightweight yet sturdy.

Collapsible Microphone Stand $19.95

ATLAS MICROPHONE STANDS

MS-4	Height 25"-65", 10" base	$49.30
MS-11C	Height 34"-62", 10" base	33.15
MS-12C	Same as MS-11C w/textured charcoal base	33.75
MS-11S	Height 39"-62", 10" base	82.10
MS-10C	Height 35"-63", 10" base	33.75
MS-12S	Height 39"-62", low profile 10" base	77.10
MS-20	Height 37"-66", 12" base	60.85
MS-25	Height 38"-67", 17" base	101.95
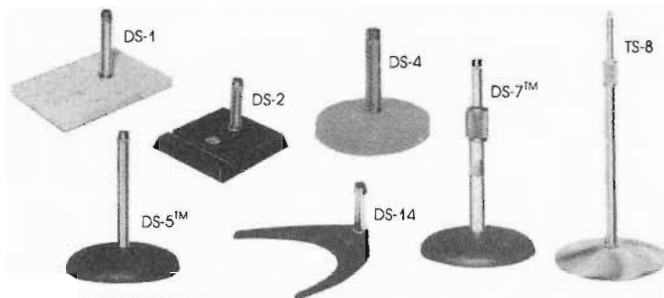
ATLAS DESK STANDS

Executive Stand. Non-adjustable, 3" high chrome tube. Luxurious, 5" x 7", polished white Carerra marble base to compliment appearance of desk or conference tables. Weight: 2 lbs.

DS-1 .... $30.55

Vibration-isolating Stand. Non-adjustable 3" high chrome tube. Integral tension-variable mount to reduce conductivity of external mechanical vibrations. 4" x 6" diecast base in non-reflective charcoal finish. Weight: ½ lb.

DS-2 .... 23.75

Light Weight Stand. Non-adjustable 4" high chrome tube. 5" dia. phenolic beige base. Weight: ½ lb.

DS-4 .... 8.05

General Purpose Stand. Non-adjustable 4" high chrome tube. 6" dia. cast iron charcoal base. Weight: 2 lbs.

DS-5ᴿᴹ $12.50

Adjustable Desk Stand. Chrome tube assembly, adjustable height 8" to 13". Grip-action clutch. 6" dia. charcoal base. Weight: 3 lbs.

DS-7™ 18.20

Contemporary Stand. For professionally styled microphones. Non-adjustable 3" high chrome tube. Charcoal base. Weight: 2 lbs.

DS-14 .... $16.25

Adjustable Banquet Stand. Chrome tube assembly, height 14½" to 26". Grip-action clutch. 8" dia. low-silhouette chrome base. Weight: 5½ lbs.

TS-8 .... $37.35

MICROPHONE CABLES

CM-12	12' cable, less connector on equipment end	$15.95
CM-25	25' cable, less connector on equipment end	19.95
CM-50	50' cable, less connector on equipment end	29.50

Quantity pricing and other cable formats available.

O.C. WHITE MICROPHONE ARM

A spring-loaded, heavy-duty microphone arm for table top mounting. It includes a 12" riser.

For those applications where three microphone arms are needed at one central location, O.C. White offers a three-arm unit. It consists of one riser which accommodates three separate microphone arms.

Single Unit	$ 79.00
Triple Unit	249.00

LUXO MICROPHONE ARM

Spring balanced microphone arm reaching 41". Mounting bracket included.

Model LM-1	$34.50

TENSIMOUNT SHOCK MOUNTS

Tensimount universal microphone isolators are a simple yet highly effective way to eliminate floor vibration, shock and mechanical feedback transmitted thru microphone stands. They will accept any mic up to 1⅜" diameter (Tensimount I) or up to 2⅝" (Tensimount II) and provide more than 20db of mechanical isolation. Pricing includes stand adapter to fit a standard ¾" stand.

Tensimount I	$24.95
Tensimount II	29.95

LUXO COPY HOLDERS

Available in letter size and computer printout size. Holds 2½ to 3 pounds with 33" adjustable heavy-duty arm.

#16008 letter size	$64.95
#16009 computer size	84.95

SONY PBR-330 PARABOLIC SOUND REFLECTOR

The PBR-330 is designed to focus sound waves directly to a microphone. Its effective frequency response range is 500-20,000Hz and its effective sound pickup angle is approximately 26°. It will accept microphones with a diameter of ⅝ to 1⅛".

PBR-330	$72.00

AMM-2A

AMM-3

BELAR MODULATION MONITORS

AM Modulation Monitors:

Belar AM Modulation Monitors incorporate true ratio-type peak indicators. Instantaneous program peaks are referenced to instantaneous carrier without the need of time constants. Both monitors have built-in carrier off alarms and modulation calibrators.

AMM-2A	$ 990.00
AMM-3	1400.00
AMM-4 AM Frequency Monitor	990.00
Option 01 Alarm Relay Card	175.00
RFA-2 AM RF Amplifier	595.00
MP-6A Remote Meter Panel for AMM-2A	225.00
MP-7 Remote Meter Panel for AMM-3	245.00
LP-1 Shielded Loop Antenna	225.00
LP-1A Shielded Loop Antenna, built-in pre-amp for RFA-2	275.00
Option 01 Power Supply for LP-1A	60.00

Model 753

TFT AM MODULATION MONITORS

The TFT Model 753 is a type approved AM modulation monitor. The basic 753 is designed as a direct connection monitor by adding one of two tunable RF preselector modules. You may monitor off air, your station, or competing stations. No RF amplifiers are needed and preselectors may be added at any time.

Model 753
AM Modulation Monitor ... **$1425.00**
Option 03
10 kHz Whistle Filter ... **325.00**
Option 04
30 Hz Telemetry Lowpass ... **245.00**
Option 07
Absence of Modulation Alarm ... **275.00**

Model 754
AM RF Preselector with frequency readout (not field installable, there is an additional retrofit charge if installed later, contact Crouse-Kimzey for details) ... **$1950.00**
Option 1
Narrow Band Filter ... **465.00**
Option 04
Spare Parts Kit ... **275.00**

Model 704E
Remote Meter and Peak Flashers ... **$ 475.00**

Note: Add 15% for options when ordered separately.

Model 763

TFT FM MODULATION MONITOR/ STEREO MONITOR/SCA MONITOR

The TFT Model 763 is the heart of an FCC approved monitor system. The basic 763 was designed for direct transmitter connection. By adding one of two tunable RF preselector modules, it can be used for off air monitoring. The 764A preselector allows two FM stations to be tuned with thumbwheel switches. The 6-digit counter also reads frequency error, pilot frequency, or SCA frequency when used with the stereo and/or SCA monitors. All proof of performance measurements (except distortion) can be made from the front panel of the 724A stereo monitor when used with the 763. The 724A also permits simultaneous L and R monitoring.

Model 763
FM Modulation Monitor (specify frequency) ... **$1985.00**
Option 04
Absence of Modulation Alarm ... **275.00**
Option 07
Spare Parts Kit ... **275.00**

Model 704F
Remote Meter and Peak Flasher Panel for 763 ... **475.00**

Model 764A
FM Preselector with Frequency Readout (not field installable), tunable ... **1495.00**
Option 03
Spare Parts Kit ... **320.00**

Model 785
Single Channel FM Preselector (not field installable) ... **600.00**

Model 724A
Stereo Monitor ... **2125.00**
Option 01
Spare Parts Kit ... **250.00**

Model 704C
Remote Meter Panel for 724A ... **525.00**

Model 730A
SCA Monitor, 67kHz ... **2425.00**
Option 01
41kHz SCA Channel ... **230.00**
Option 02
Spare Parts Kit ... **210.00**
Option 03
Direct FSK Data Transmission (not field installable) ... **230.00**
Option 05
92kHz SCA Channel (not field installable) ... **285.00**

Model 704B
Remote Meter and Flasher for 730A ... **475.00**

Note: Price shown for Option 05 is for new equipment only. For older units price is $375.00, including recalibration. Option prices when purchased separately are 15% higher.

TFT SPIKE STOPPERS

SPIKE STOPPERS can be installed without tools in the TFT models 763, 730A, and 753 to reduce the frequency of the peak flasher being falsely triggered by spikes without jeopardizing frequency response, harmonic distortion, stereo separation and cross-talk and other measurement capabilities of the monitor. It takes minutes to install by unplugging two IC's from their sockets and replacing them with a printed circuit board assembly mounted on the side wall of the monitor.

Model 763, FM Monitor, 7100-3990 ... **$190.00**
Model 730A, SCA Monitor, 7100-3991 ... **190.00**
**Model 753**, AM Monitor, 7100-3992 ... **225.00**
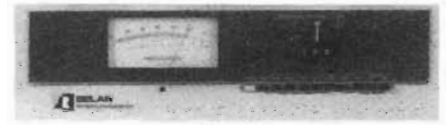
FMM-2
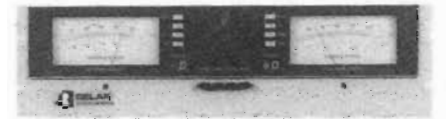
FMS-2

BELAR FM MODULATION MONITORS

The Belar FMM-2 modulation monitor incorporates a sample hold peak modulation meter circuit independent of modulation polarity. This allows the monitor to respond to short duration peaks. The FMS-2 stereo modulation monitor has two independent auto-ranging voltmeters and the meters can be switched to measure various functions.

FMM-2	FM Modulation Monitor	**$1350.00**
FMS-2	Stereo Modulation Monitor	**1550.00**
MP-8	Combined Remote Meter Panel for FMM-2 and FMS-2	**325.00**
FMM-1	FM Frequency and Modulation Monitor	**1750.00**
FMS-1	Stereo Frequency and Modulation Monitor	**1650.00**
SCM-1	SCA Frequency and Modulation Monitor	**1650.00**
RFA-1	FM RF Amplifier	**575.00**
MP-1	Remote Meter Panel for FMM-1	**225.00**
MP-2	Remote Meter Panel for FMS-1	**225.00**
MP-3	Remote Meter Panel for SCM-1	**225.00**
MJ-10	Yagi Antenna, 10 Element, used with RFA-1	**95.00**
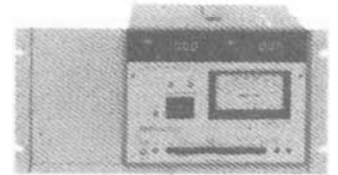
TFT TELEVISION FREQUENCY AND AURAL MODULATION MONITORS

Both the Model 701 and 702 are state of the art TV monitors designed to monitor aural modulation in UHF and VHF transmitters without the need for an external RF amplifier. Both models can be used as a precision demodulator for aural proof of performance measurements. The Model 701 has two built-in frequency counters and will measure visual, aural, and intercarrier frequencies. Both models are FCC type accepted. Please specify channel number, carrier frequencies, and frequency offsets when ordering.

Model 701
TV Frequency and Aural Modulation Monitor (Rack Mount) ... **$7985.00**
Option 02
Frequency and Modulation Alarm ... **565.00**
Option 03
SCA Output ... **530.00**
Option 08
Spare Parts Kit ... **785.00**

Model 702
TV Aural Modulation Monitor (Rack Mount) ... **4790.00**
Option 02
Modulation Alarm ... **270.00**
Option 03
SCA Output ... **535.00**
Option 05
Spare Parts Kit ... **525.00**

Note: When ordering separately, add 15% for options.

TFT FM MODULATION MONITORS

The TFT Model 844 FM/baseband/stereo and Model 845 SCA modulation monitors allow you to modulate your transmitter to the maximum legal limit. The Model 844 combines a tuneable RF preselector, baseband monitor and stereo monitor in one compact instrument. The Model 845 SCA monitor is a multi-frequency instrument designed for use with the Model 844. Both monitors are adaptable to ATS (Automatic Transmission System).

Model 844
FM/Stereo Modulation Monitor
(specify frequency) $5250.00
Option 01
Loss of Modulation/Carrier Fail Alarm . 275.00
Option 02
Spare Parts Kit 475.00
Model 804
Remote Metering and Peak Flasher
Panel for 844 .... 525.00
Model 845
FM SCA Modulation Monitor 2200.00
Option 01
RF Preselector Module .... TBA
Option 02
41kHz SCA Channel 225.00
Option 03
92kHz SCA Channel 225.00
Option 04
Spare Parts Kit 220.00
Model 805
Remote Metering and Peak Flasher
Panel for 845.................... 475.00
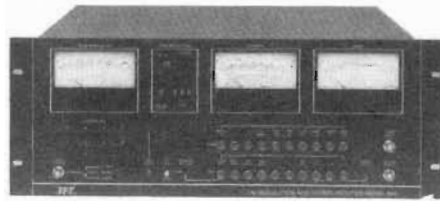
Model 844

Model 845

BELAR TV MODULATION MONITORS

TVM-1	TV Modulation Monitor	1850.00
TVM-2A	TV Frequency Monitor (VHF) ..	2100.00
TVM-3A	TV Frequency Monitor (VHF) ..	2300.00
RFA-3	TV RF Amplifier.............	675.00
MP-4	Remote Meter Panel for TVM-1	160.00

GORMAN-REDLICH DIGITAL ANTENNA MONITORS

The Gorman-Redlich antenna monitors are state of the art instruments with unequalled accuracy and stability. Phase sign is automatic, no extra operation is required. The Model CMR is fully remoteable via land line or telemetry. Gas discharge tubes across the sample lines protect the unit from lightning and induced sample line surges. Each unit is burned in for at least one week to expose early IC failures and carries a one-year manufacturer's warranty.

Prices range from **$1390.00** for Two-Tower DA1 (Model CM), to **$2130.00** for Six-Tower DA1 or DA2 operation (Model CMR).

Please call CROUSE-KIMZEY for details.

```
            TO ORDER
CONTINENTAL U.S.
      800-433-2105
TEXAS
      800-792-8908
ALL OTHERS
      817-737-9911
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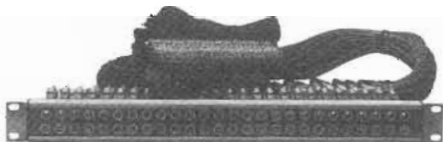
GENTNER PRE-WIRED PATCH BAYS

Pricing:

48DR-TRS-BO-XT	$599.00
48DR-TRS-BO-PU	599.00
48DR-TRS-AB-XT	449.00
48DR-TRS-AB-PU	449.00
48DR-TR-AB-XT	419.00
48DR-TR-AB-PU	419.00
52DR-TRS-BO-XT	599.00
52DR-TRS-BO-PU	599.00
52DR-TRS-AB-XT	459.00
52DR-TRS-AB-PU	459.00
24SR-TRS-BO-XT	349.00
24SR-TRS-BO-PU	349.00
24SR-TR-BO-XT	319.00
24SR-TR-BO-PU	319.00

Description:
52DR = 2 rows of 26
48DR = 2 rows of 24
24SR = Single row of 24
TRS = Tip Ring Sleeve Type Jack
TR = Tip Ring Type Jack
AB = Wiring of Normals—Normals Wired at Bay Using Short Jumper
BO = Wiring of Normals—Normals Brought out to Termination
XT = Christmas Tree Termination
PU = Punch Block Termination
FB = Flexiblock

SYMETRIX PATCH BAYS

All Symetrix patch bays are "normalled-through." They can be changed by clipping a jumper.

Front Panel Connectors	Rear Panel Connectors	Price
PATCH-32A 32 ¼" mono	32 ¼" mono	$169.00
PATCH-32B 32 ¼" mono	32 RCA	$149.00
PATCH 32AB 32 ¼" mono	8 ¼" mono normalized to 8 RCA & 8 RCA normalized to 8 ¼" mono	$169.00
PATCH-32TRS 32 ¼" tip-ring-sleeve	32 ¼" tip-ring-sleeve	$189.00

TASCAM PATCH BAYS

|		
PB-64	64 points RCA to RCA	$100.00
PB-32H	32 ¼" to RCA normalled	110.00
PB-32P	32 ¼" to ¼" normalled	120.00
PB-32R	32 RCA to 32 RCA normalled ..	110.00
PB-32W	20 RCA, 12 ¼" to same on rear normalled	110.00
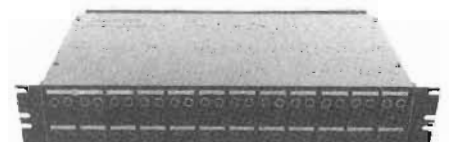
GENTNER VERSAPATCH PRE-WIRED PATCH PANEL

Gentner Engineering has released into production VERSAPATCH, a chassis-enclosed prewired patch panel. Versapatch features the new Flexiblock termination, an insulation-displacement punch block made specifically for *stranded* wire. The high density of connections on this punch block permits up to 11 (eleven) connections per circuit; a moveable bar is provided for strain relief. The rear panel of Versapatch is hinged for easy access to the jacks. Versapatch is wired with stranded wire and soldered connections at the jacks.

VP48DR-TRS-AB-FB	$599.00
VP48DR-TRS-TRB-FB	634.00
VP48DR-TR-AB-FB	599.00
VP48DR-TR-TRB-FB	634.00

TASCAM RCA PATCH CABLES

TC-105	5' single	$ 5.00
TC-203	3' single	8.00
TC-205	5' dual	10.00
TC-403/8	3' single (pkg. 8)	30.00
TC-405/8	5' single (pkg. 8)	35.00
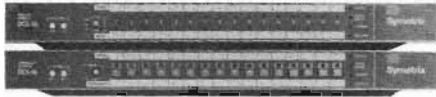
SYMETRIX DCS-16 REMOTE CONTROL

The Symetrix DCS-16 is a modular, micro-processor based system that gives status information and provides direct remote control of equipment. Applications include: ENG Antenna Switching, Remote VCR/VTR/ATR Control and Tally, STL/TSL Switching, AM/FM/TV/LPTV Transmitter Control and Status with fail-safe.

DCS-16 .... $1750.00
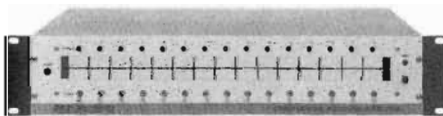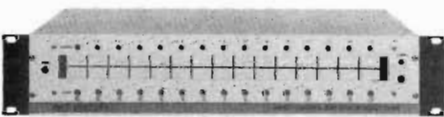
TFT 7815 REMOTE CONTROL AND STATUS MONITORING SYSTEM

The 7815 is a remote control and status monitoring system using data transmission techniques. The control unit has 15 independent front panel toggle switches to control on/off functions (a momentary action switch is available if specified when ordering). There are also 15 status indicators.

Model 7815
Status and Control Stand Alone Unit
with Control and Remote Unit $3500.00
Option 01
Timeshare to Telco Link on STL/SCA .. 545.00
Option 02
Spare Parts Kit 380.00
Option 03
Momentary Switch Kit for
Field Installation 75.00
Model 7815-C
Control Portion of 7815 .... 1725.00
Model 7815-R
Remote Portion of 7815 .... 1950.00
Model 7830
Expansion Unit for 7610 (15 additional channels), with 7815 provides 15 to 30 additional channels 2850.00
Option 01
Spare Parts Kit 350.00
Model 7830-C
Control only Portion of 7830 .... 1350.00
Model 7830-R
Remote only Portion of 7830 .... 1600.00
Model 7832
32 Channel Status/Alarm with 7610 or 7815 will add 32 to 64 channels ... 2500.00
Option 01
Spare Parts Kit 315.00
Model 7832-C
Control only Portion of 7832 .... 1275.00
M del 7832-R
Remote only Portion of 7832 ... . 1350.00
Note: Add 15% for options ordered separately.

FSK/POWER PAK REMOTE CONTROL
Features:
- Standard DTMF TouchTone® control (system access from studio unit for any TouchTone® telephone with optional "Auto-Phone" access unit)
- True digital telemetry reading
- 14 channels w/raise and lower functions (10 standard channels and four priority channels)
- Multi-site and multi-control point operation
- Computer compatibility for automatic control and automatic logging (with external interface unit)
- Uses standard voice grade telephone line
- Continuous echo (studio unit constantly monitors and displays channel in operation at transmitter unit

The FSK/Power Pak Model RCT-14 is a simple reliable remote transmitter control system that has all of the standard remote control functions along with several other important features. It incorporates true digital telemetry and standard DTMF TouchTone® for control. This allows the system when equipped with the "Auto-Phone" access unit (optional) to be controlled from any TouchTone® telephone from anywhere. Multiple transmitter sites and/or multiple audio control points are possible with the system.

RCT-14 .... $1495.00
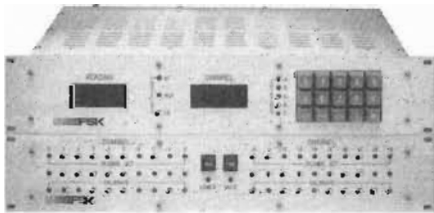
FSK RCT-1000 REMOTE CONTROL AND TELEMETRY
Features include:
- Keypad channel entry at both locations
- Data and channel readouts at both locations
- No studio calibration necessary
- Optional computer interface at studio
- Built-in fail-safe test capability
- Crystal controlled modems
- Output adjustments with indicators and relay unit calibration pots on front panels
- Automatic multisite capability
- Card style construction in main units, structurally rugged throughout
- Decimal point programming at transmitter site
- 10 to 1000 channels in 10 and 20 channel steps
- Full function on all channels
- Barrier strip connections for relay interface unit
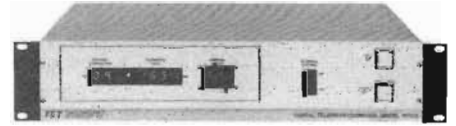- Telemetry accuracy 0.1% for directional antenna monitoring

RCT-1000
20 Channel, 4 Wire System $4000.00
20 Channel, 2 Wire System 4200.00
Additional 20 Channel Steps 1000.00
Additional 10 Channel Steps 600.00

TFT 7600 SERIES REMOTE CONTROL SYSTEM

The TFT 7600 system makes it possible for any size AM, FM, or TV station to have direct digital control of remote transmitters. Provisions for ATS operation is built in. The system is totally modular so the system can be tailored for your station's exact needs.

Model 7610
10 Channel Raise/Lower Plus 10 Channel Telemetry Digital Remote Control System. Expandable to 110 Channel System by adding 7830, 7832, or 7620R $3250.00
Option 01
SCA Detector available from 26kHz to 185kHz mounts in 7610 or remote terminal 250.00
Option 02
SCA Generator available from 26kHz to 185kHz mounts in 7610 or remote terminal 250.00
Option 03
Option 01 and 02 in one module.... 500.00
Option 04
BCD Parallel Data inputs for remote terminal 250.00
Option 05
BCD Parallel Data Output for 7610C control terminal 150.00
Option 07
Spare Parts Kit 395.00
Model 7610-C
Control Portion only of 7610 System .. 1500.00
Model 7610-R
Remote Portion of 7610 System 2000.00
Model 7630-R
20 Channel Expansion for remote terminal of 7610 .... 1450.00
Option 01
Spare Parts Kit for 7630-R.......... 195.00
Note: When ordering options separately, please add 15%.

TFT MODEL 7900 SERIES REMOTE CONTROL SYSTEM

The Model 7900 Series remote control system is a modular microprocessor based system that will interface with a variety of sensors and transducers for data acquisition. It also provides reliable relay closures for controlling functions. Multi-site operation (up to 63 remote sites) is also possible. The Model 7900 can accommodate a CRT and two printers as well as one printer at each remote site, simultaneously. Selective channel muting, algebraic computation of derived values, remote interrogation, interface with external computers and ATS operation are a few features of this versatile remote control system.

Model 7900
Master Control Terminal with full display of site, channel, full 4-digit data with alpha-numeric units of measure, time, date, and self-test LEDs. Also includes 16-key double function keyboard ... $7250.00
Model 7901
Remote Terminal with same display and controls as 7900 .... 7250.00

The total system price depends on system configuration. All system options are available from CROUSE-KIMZEY. Please call for details.

TASCAM 122

A 3-head system, with record and repro heads in one housing, eliminates azimuth error while permitting simultaneous off-tape monitoring. Bias and EQ are switchable for normal, chrome or metal tapes, and front panel trimmers let you optimize performance. Select the built-in Dolby HX (headroom extension) for quieter tapes with cleaner and hotter high end, and if you don't need 1⅞ ips, switch to the higher 3¾ ips for still more top end. Also available is the 122-B, a special version of the 122 which includes balanced XLR input and output connectors.

TASCAM 122 . . . . $725.00
TASCAM 122-B (balanced version) 825.00
RC-90 Remote Control 65.00

TASCAM 234 SYNCASET

A high quality 4-channel sync record/playback cassette deck. Features 3¾ips tape speed, dbx noise reduction switchable, function select, block repeat, 4x2 internal mix, etc.

234 Syncaset $900.00
RC-90 Remote Control 65.00
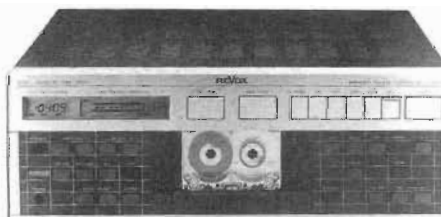
REVOX B215 CASSETTE DECK

Through innovative use of three on-board microprocessors, Revox has created a milestone in cassette recording history. One of the microprocessors automatically sets all the electronic alignment parameters (bias, EQ, and level) for optimum recording quality. Another microprocessor controls the B215's real time counter. Like other real time counters, it gives the elapsed time when you start from the beginning of the tape. Unlike other counters, it can also compute elapsed tape time on a newly inserted cassette which is already wound past the beginning! Any time point on the tape may be quickly located by keying in the minutes and seconds and then activating one of the two autolocate buttons. Autolocate memory positions may also be entered "on the fly" from the tape counter as the tape is playing. A locate position is entered automatically at the time you start to record—very handy for false starts! A third microprocessor constantly monitors tape motion to provide silken smooth tape handling and to prevent tape damage. The tape drive employs four separate motors: two Hall-effect motors for the dual capstans, and two DC motors for tape spooling. The tape transport is built around a massive, die-cast aluminum chassis. Other features include: Dolby B & C, record fade-in and capability, and bi-directional serial data bus for external computer control.

Revox B215 . . . . $1400.00

TASCAM 133

Tascam's 133 3-Track AV Sync Cassette Recorder uses standard cassettes for convenience and modular programming. Its Portastudio compatible format has 2 tracks of high fidelity stereo sound—ultra-high fidelity when you flip a switch from 1⅞ to 3¾ ips—without hiss (Dolby NR is built in, and dbx optional). A third cue track is specially conditioned for AV programmer signals. You can also layer a 25 Hz Auto Present tone on the cue track and set the 133 so when it senses the tone, it will automatically stop and wait, or rewind (to beginning or counter zero) and wait or play—perfect for unattended continuous shows, live talks, displays, sales presentations, etc. Also available is the 133-B which includes balanced XLR input and output connectors.

TASCAM 133 . . . . $1200.00
TASCAM 133-B (Balanced Version) . . . 1300.00
RC-133 Remote Control 65.00

TECHNICS RS-B11W

2-in-1 double-deck design with high speed dubbing permits tape copying/editing at twice normal speed. Compatible for normal dubbing at 1⅞ ips. Microphone mixing facility allows creative tape overdubbing. Both Tape 1 and Tape 2 feature auto tape selector. High quality performance and dependability provided by metal-compatible MX heads, FL meters, and soft-touch controls.
Wow & flutter: 0.07% WRMS.
Frequency response: 20—18,000Hz (Metal).
S/N ratio: 67db (Dolby B in, CrO₂).
RS-B11W $220.00
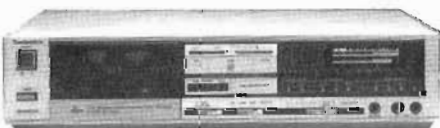
TECHNICS AUTO REVERSE RS-B49R

Quick auto-reverse with infrared detection provides minimal interruption of recording and playback. No tape flipping required. dbx gives 110dB dynamic range to handle all sources. Dolby B and C NR provide compatibility. FL meters with peak-hold function assure accurate level setting. 2-plus-1 motor drive. Microprocessor feather-touch controls with cue & review. Auto rec mute. MX head optimizes sound quality and reliability. Slider-type input level and balance controls.
Wow & flutter: 0.05% WRMS.
Frequency response: 20—17,000Hz (Metal).
S/N ratio: 92dB (dbx in, CrO₂).

RS-B49R $290.00
RS-B28R 220.00
RS-B78R 400.00

TASCAM 225 SYNCASET

The 225 Syncaset was designed to provide functions found in large multitrack machines and never before offered in a 4-track 2-channel cassette deck. You can record stereo tracks simultaneously and also perform independent single-track recording. It's easy to mix a source with the other track and to do inserts onto pre-recorded tracks. In fact, you can record from track 1 to track 2 or vice versa. Features include Dolby B noise reduction, headphone jack with level control, zero return switch, etc.

225 Syncaset $350.00
RM-225 Rack Mount Kit 40.00
RC-30P Remote Punch-In/Out Footswitch 25.00

TECHNICS RS-B12

Dolby NR system reduces tape hiss while increasing easy compatibility with other decks and prerecorded tapes. Metal-compatible MX head optimizes sound quality and reliability. Soft-touch control provides convenient and flexible operation including cue and review and one-touch recording. Mechanical logic control allows direct mode switching from ff (or rew) to play. FL meters for accurate signal referencing. Slider-type input level and balance controls. Wow & flutter: 0.07% WRMS. Frequency response: 20—17,000Hz (Metal). S/N ratio: 66dB (Dolby in, CrO₂).

RS-B12 . . . . $130.00
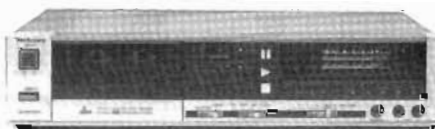
TECHNICS RS-B50

dbx gives 110dB dynamic range to handle all sources. Built-in dbx disc decoder lets you experience dbx-encoded disc reproduction. Dolby B and C NR are included for compatibility. Wide-range 3-color FL meters span −40dB to +18dB with peak-hold. AX (amorphous) head optimizes sound quality and reliability. Auto tape selector. 2-plus-1 motor drive. Microprocessor feather-touch controls with cue & review. Slider-type input level and balance controls. Rec mute switch. Wow & flutter: 0.045% WRMS. Frequency response: 20—20,000Hz (Metal). S/N ratio: 92dB (dbx in, CrO₂).

RS-B50 . . . . $230.00

TECHNICS RS-B100

Technics new quartz-locked direct-drive stereo cassette deck. Features closed loop double capstan system, 3 AX amorphous head, auto record mute, built-in oscillator, bias adjust and rec level adjust, and phase compensation system. Rack adapters included.

RS-B100 . . . . $800.00

Also available, the new model RS-B85K with many of the same features of the RS-B100, but not quartz locked.

RS-B85K $480.00

RECORDERS

SONY PORTABLE CASSETTE DECK

The Sony TC-D5 Pro is a compact, lightweight high fidelity portable cassette recorder. The disk drive system eliminates the need for belts or other drive mechanism. The inputs are XLR connectors and accept low impedance balanced microphones. An LED peak indicator, wide range VU meters and Dolby noise reduction insure good quality recordings. Headphone monitoring or immediate playback is possible through a built-in speaker.

TC-D5 Pro $790.00

MARANTZ PORTABLE CASSETTE DECKS PMD-201, 221

These Marantz portable cassette decks have an anti-roll transport, vari-speed and three position tape selector (normal, chrome, and metal). They also have automatic or manual record level and two speeds (1⅞ and 1¹⁵⁄₁₆ ips).

PMD 201 (Two Head) $219.95
PMD 221 (Three Head) 279.95

MARANTZ PORTABLE CASSETTE DECKS PMD 420,430

These stereo portable cassette decks are the top of the Marantz portable line. Both have fine bias adjustments, A ±6% pitch control, 3 position tape selector, and three position microphone attenuator. Dolby noise reduction is also standard.

PMD 420 (Two Head) $349.95
PMD 430 (Three Head) 449.95

TASCAM 244 PORTASTUDIO

A 4-channel cassette record/reproduce with 2-channel simul-sync record/4 track playback for multi-channel recording. Features include 4 mic/line or tape inputs and simul-sync monitoring with separate stereo cue mix system for complete overdub flexibility. Also includes punch-in recording, pitch control, built-in dbx, 3¾ips speed, digital tape counter, zero return function, 4 track tape output, 2 band 4 knob sweep EQ, etc. RC-30P remote punch-in/out footswitch available ot $25.00.

Portastudio $1300.00

TASCAM MINISTUDIO

A portable, battery-operated 4-channel mixer/recorder. Each input channel can accept a mic, musical instrument, line level source or playback from the built-in recorder. Each channel has controls for TRIM, EQ HIGH, EQ LOW, PAN, and a fader as well as a Record function matrix. Other features include pitch control, counter with zero return, 1⅞ips speed, etc. RC-30P remote punch-in/out footswitch available at $25.00.

Ministudio $599.00
AC Adapter (PS-P1) 29.50
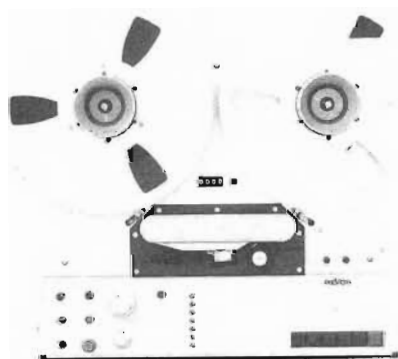
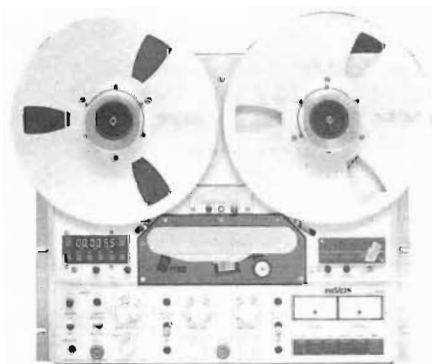## REVOX PR-99 PLAYBACK ONLY

Ideal for broadcast automation applications. Features include 25Hz tone sensor and front controls for level, HF equalization, and EOM stop delay time. Available in speed pairs of (3¾-7½) or (7½-15).

PR-99 Stereo $1449.00

REVOX PR-99MKII

The updated PR-99MKII now offers a microprocessor controlled real time counter, address locate, zero locate, auto repeat, and variable speed control. It's available in speed pairs of (3¾-7½) or (7½-15). Specify stereo or mono.

PR-99MKII $2250.00
Remote Control 200.00
Vari-Speed Control................. 180.00
Roll-Around Console w/Utility Shelf 395.00
Roll-Around Console................ 330.00

REVOX B-77 REEL TAPE DECK

Available in several speed pairs. Features 3-motor tape drive, integrated control logic with tape motion sensor, built-in splicing block, etc.

B77 stereo 7½-15ips $1799.00
B77 stereo 3¾-7½ips 1799.00
B77 stereo 1⅞-3¾ips 1799.00
B77 stereo 1¹⁵⁄₁₆-1⅞ips 1949.00

Options:
Remote Control $200.00
Vari-Speed Remote Control.......... 180.00
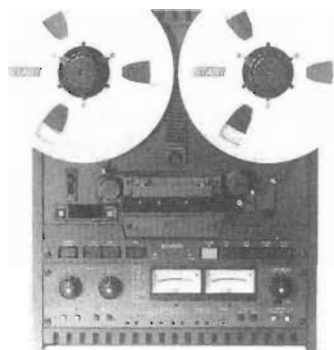Rack Adapter 35.00
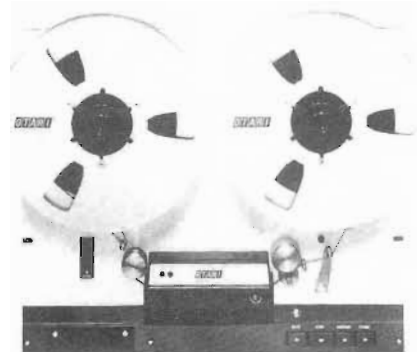
OTARI ARS-1000-DC

¼" two-channel, half-track reproducer with 25Hz tone sensor, end-of-message and cuetone relays with adjustable delay (100 ms to 15 s), 7.5/3.75 ips speeds, 19" rack mount. Designed for automated broadcast systems and other high-reliability reproduce only applications.
Height: 15.72"; Width: 21.3"; Depth: 7.56"
ARS-1000-DC **$1595.00**

OTARI MX-5050BII

¼" two-channel half-track recorder/reproducer with extra quarter-track reproduce head. DC-servo capstan, with ± 7% vari-speed, three speeds in pairs of 15/7.5 or 7.5/3.75 ips field selectable. Transformerless balanced inputs and outputs, +4 or –10 dB output level select, real time tape counter with LED display, headphone output, test oscillator (1k & 10kHz) NAB/IEC EQ select, 185, 250, 320 nWb/m calibration select, integral splicing block.
Height: 22.1"; Width: 16.9"; Depth: 10.2"
MX-5050BII **$2295.00**

OTARI MX-5050BII-¼

¼" two-channel, quarter-track recorder/reproducer with extra two-channel half-track reproduce head. Otherwise identical to the B-II.
MX-5050BII-¼track **$2295.00**

OTARI MX-5050BII-F

¼" one-channel full-track recorder/reproducer with extra two-channel half-track reproduce head. Otherwise identical to the B-II.
MX-5050BII-F **$2350.00**

OTARI MX-5050BQII

¼" four-channel, quarter-track, recorder/reproducer.
MX-5050BQII **$2995.00**

OTARI MARK III-2

¼" two-channel, half-track recorder/reproducer with extra quarter-track playback head. A table top console configuration of the B-II. Includes microprocessor transport logic, and dynamic braking, zero return, external machine control interface connector for synchronizers or the optional CB-116 auto locator. Otherwise identical to the B-II.
Height: 18.75"; Width: 21.33"; Depth: 18.1"
Mark III-2 . . . . **$2795.00**

OTARI MARK III-8

½" eight-channel recorder/reproducer. DC-servo capstan with ± 7% vari-speed, 15/7.5 ips speeds, +4 or –10 dB input/output level select, real time tape counter with LED display, zero return, test oscillator (1k & 10kHz). Microprocessor controlled transport logic and dynamic braking, full function channel status select panel with individual or master control, automatic monitor switching, headphone output with channel select, external test input, integral splicing block, external machine control interface connector for synchronizers or the optional CB-116 auto locator.
Height: 17.3"; Width: 21.3"; Depth: 26.6"
Mark III-8 . . . . **$5295.00**

OTARI MARK III-4

½" four-channel recorder/reproducer. Table top console, ½" configuration of the BQ-II. External machine control interface connector for synchronizers or the optional CB-116 auto locator. Otherwise identical to the BQ-II.
Height: 19.2"; Width: 21.3"; Depth: 26.1"
Mark III-4 . . . . **$3895.00**

OTARI ACCESSORIES

Remote transport control for MX5050 series except MKIII-8. Includes Record, Play, Stop, Rewind, Fast Forward, and Record indicator.
CB-102 . . . . **$140.00**
Remote session controller for MARK III-8. Includes transport controls, channel status switching, tape timer readout, and zero return.
CB-110 . . . . **$650.00**
Remote transport control for MARK III-8, otherwise identical to CB-102.
CB-114 . . . . **$165.00**
Full function auto-locator for MARK III-8, MARK III-4 and MARK III-2 transports. Six memories with one stroke or keyboard store and search commands. Repeat mode (shuttle), transport controls, head and tail guard memories and foot switch punch-in jack. Specify machine model and serial number when ordering.
CB-116 . . . . **$695.00**
Rack mount kit for 5050 B-II and BQ-II.
RK-2B **$50.00**
Metal roll-around floor stand (unassembled) for B-II, B-II ¼, B-II-F, BQ-II, MARK III-2, MARK III-4, and MARK III-8. *Note:* See furniture section for other tape transport consoles.
ZA-52L **$320.00**
Floor stand for CB-110 or CB-116 or both. Add $19 for casters.
ZA-557/55UC **$120.00**
Input transformers for B-II and MARK III-2. (Set of two)
ZA-53T **$87.00**
Output transformers for B-II and MARK III-2. (Set of two)
ZA-53S **$77.00**
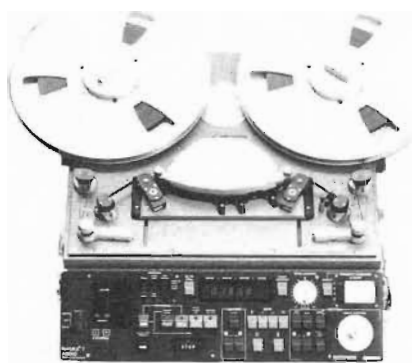
NAGRA T-AUDIO

The NAGRA T-Audio analog recorder is a micro-processor controlled twin capstan recorder utilizing ¼" tape. Electronic real time counter with go to zero function incorporated in the detachable keyboard controller. Four possible tape speeds: 30, 15, 7½, and 3¾ ips. Up to four directly accessible recording calibrations (combination of speed/tape type/standard) by means of eight user changeable TACAL* circuits incorporating wide band predistortion circuitry.

Stereophonic Package $8918.00
Two-Track Package 9014.00
Monophonic Package 8543.00

TECHNICS RS-1500US

An isolated loop, quartz controlled open reel tape deck. Benefits of the design include 0.018% wow and flutter (WRMS at 15ips), very low modulation noise, low head wear, stable high-frequency level. Direct-drive reel motors with electronic tension sensing. Full IC-logic transport controls. Separate, 3-position bias and EQ selectors. Format is 2-track, 2-channel with extra 4-track playback head. Transport speeds: 15, 7½, and 3¾ ips. Pitch control up to ±6%.

RS-1500US $1600.00

TECHNICS RS-1520

Same features as RS-1500US but with XLR connectors, front panel bias/EQ adjustments, cue/edit switch, record mode lights, and built-in test oscillators.

RS-1520 .... $2100.00

Accessories:

RP9690P Remote Control $100.00
RP9130P Rack Mount Kit 33.00

TASCAM 34B

¼", 4-track with 10½" reel capacity and 7½-15ips speeds. Features include punch-in/out recording, ±12% pitch control, dump edit, flip-up head cover, cue control, FL tape counter, and zero return.

Tascam 34B $1700.00

TASCAM 38

½", 8-track with 10½" reel capacity and 15ips speed. Features include punch-in/out recording, ±12% pitch control, dump edit, flip-up head cover, cue control, FL tape counter, and zero return.

Tascam 38 .... $2995.00

TASCAM SERIES 30 ACCESSORIES

RM-300	Rack mount kit .... $	55.00
RC-30P	Foot control for 32 & 34	25.00
RC-71	Remote control	65.00
CS-607B	Roll-around equipment rack (rack mount kit required)..	310.00
DX-2D	dbx for 32	349.00
DX-4D	dbx for 34 & 38 (2 required)	649.00
E-3	Head demagnetizer	29.50
TZ-612B	NAB hub adapters (pair) ...	17.50
HC-2	Head cleaner, 11 oz. can ..	6.50

TO ORDER
CONTINENTAL U.S.
800-433-2105
TEXAS
800-792-8908
ALL OTHERS
817-737-9911

TASCAM 32

¼", 2-track with 10½" reel capacity and 7½-15ips speeds. Features include simul-sync, punch-in/out recording, ±12% pitch control, dump edit, flip-up head cover, cue control, FL tape counter, and zero return.
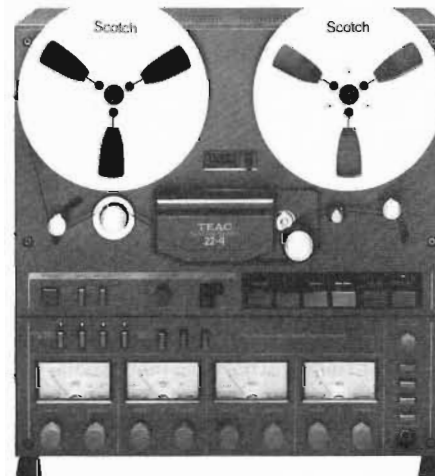
Tascam 32 .... $1300.00

TASCAM 22-2

- ½-track
- 7½-15ips
- 7" reels
- Output level control for each channel
- Independent record mode selector & 1 tape/source monitor for each channel

Tascam 22-2 .... $775.00

TASCAM 22-4

- 4-channel
- 7½-15ips
- 7" reels
- Cue control
- Pitch control
- Function select and output select
- Record ready mode & Memory stop

Tascam 22-4 .... $1425.00

TASCAM 42

¼" 2-track, 2-channel half-track mastering and broadcast on air recorder/reproducer. Features include:
- 10½" reel capacity
- Sync capability (full frequency in sync mode)
- Full servo
- SMPTE interlock capable—accessory connector
- Punch-in/out recording
- Pitch control coarse 15% fine 7%
- NAB or IEC equalization
- Dump edit
- Search to zero plus search to cue
- 7½ to 15ips
- Input/output +4 XLR/–10 RCA
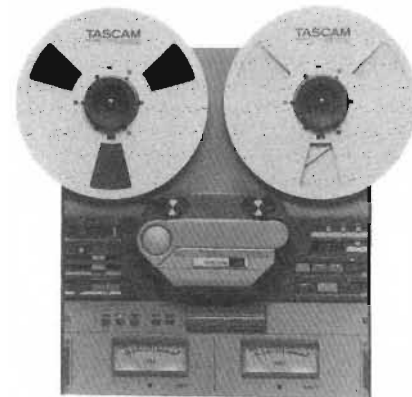
Width: 17"; Height: 19⅞"; Depth: 10"

Tascam 42 . . . . **$2295.00**

TASCAM 44

¼", 4-track recorder/reproducer. Features include 10½" reel capacity, 15ips, SMPTE interlock capability, punch-in/out recording, 12% pitch control, dump edit, search to zero search to cue, input/output +4 XLR/–10 RCA.
Width: 17"; Height: 19⅞"; Depth: 10"
Tascam 44 . . . . **$2995.00**

TASCAM HEAD DEMAGNETIZER

The TASCAM E-3 Head Demagnetizer removes residual magnetism which accumulates on the heads and guides during normal use. E-3 has a 220° moveable tip so it can be easily used on open reel tape decks, as well as cassette decks.
Model E-3 . . . . **$29.50**

TASCAM 48

½", 8-track, 8-channel recorder/reproducer. Features include:
- 10½" reel capacity
- Full servo
- SMPTE interlock capability—accessory connector
- Punch-in/out recording
- Pitch control coarse 15% fine 7%
- Dump edit
- Search to zero search to cue
- 15ips
- Input/output +4 XLR/–10 RCA

Width: 17"; Height: 19⅞"; Depth: 28¹¹⁄₁₆"

Tascam 48 . . . . **$4495.00**

TASCAM SERIES 40 ACCESSORIES

RM-501	Rack mount kit	**$ 55.00**
RC-71	Remote control	**65.00**
CS-607B	Roll-around equipment rack (rack mount kit required) . .	**310.00**
DX-2D	dbx for 42	**349.00**
DX-4D	dbx for 44 & 48 (2 required)	**649.00**

NAB HUB ADAPTERS

TASCAM TZ-612 quick lock type	**$ 8.75 ea.**
REVOX 45001 standard	**19.00 ea.**
REVOX 45010 professional	**65.00 ea.**
OTARI TW-670	**21.50 ea.**
AMPEX 809-137 standard	**15.00 ea.**
AMPEX 4690010-01 professional	**130.00 ea.**

TASCAM RECORDER CARE PRODUCTS

HC-2	Head cleaner, 11 oz. can	**$6.50**
RC-2	Rubber cleaner, 7 oz. can	**6.50**
SP-2	Stainless polish, 11 oz. can	**6.50**

TASCAM SERIES 50

TASCAM Series 50 compact recorder/reproducers are designed for demanding production applications, including SMPTE control. The 2-track 52 records on ¼" tape at 7.5 and 15 ips, with NAB or IEC equalization. The 8-track 58 records ½" tape at 15 ips with IEC equalization.

Model 52 2-Track	**$3495.00**
Model 58 8-Track	**5995.00**

Accessories:

RM-501	Rack mount kit	**$ 55.00**
RC-50	Remote control (transport, search to cue, search to zero and counter)	**395.00**
RC-51	Remote control (transport and function select w/stand) . . .	**749.00**
CS-607B	Roll-around equipment rack (rack mount kit required) . .	**310.00**
DX-2D	dbx for 52	**349.00**
DX-4D	dbx for 58 (2 required)	**649.00**

SCOTCH PROFESSIONAL AUDIO TAPE

176-¼"x1200' 7" PRB	**$ 8.10**
176-¼"x2500' 10½" MRB	**24.70**
176-¼"x2500' hub	**9.65**
206-¼"x1200' 7" PRB	**11.39**
206-¼"x2500' 10½" MRB	**28.19**
206-¼"x2500' hub	**14.84**
226-¼"x1200' 7" PRB	**12.80**
226-¼"x2500' 10½" MRB	**33.33**
226-¼"x2500' hub	**18.20**

SONY CDP-3000 PROFESSIONAL COMPACT DISC PLAYER

Sony's original T-type optical pick up system featured in this professional disc player assures perfect detection of digital codes in the disc. A newly developed pickup mechanism (controlled by LSI technology) permits quick and precise access to any point on the disc with a 1 frame or 13.3 millisecond accuracy. Access time is less than 2 seconds. The compact size and front loading allow mounting of two units side by side in a 19'' rack. 600 ohm XLR outputs makes connection to your audio system easy without the need for interface or impedance matching amplifiers.

CDP-3000 . . . . $2100.00

SONY CDS-3000 CONTROL UNIT

The CDS remote control will control two CDP-3000 players and will allow precise random access using the 10-key pad or the bi-directional search dial. Programmed play is also possible with up to 8 pieces of music played automatically in any preset order at 1 frame accuracy. An easy-to-read dislay shows time remaining and actual time. Other features include status indicators and headphone monitoring capability.

CDS-3000 . . . . $1200.00

> ## "PACKAGE DISCOUNTS ARE AVAILABLE"
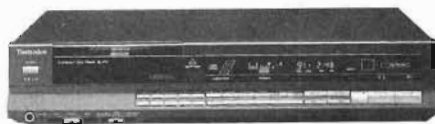
TECHNICS COMPACT DISC PLAYERS

Three models are available:

The SL-P1, offers 15-step random access programming and a full-information fluorescent display.

The SL-P2 retains all of the features of the SL-P1 and adds a wireless remote controller, headphone jack with volume control, Auto Music Scan, and expanded repeat functions.

The top-of-the-line SL-P3 includes a full-function remote controller and a music scan programmable from one to 99 seconds. Other features are Auto Cue and Auto Pause. The display panel shows time remaining, elapsed time, output level, and a bar-graph track number indicator.

SL-P1	$400.00
SL-P2	500.00
SL-P3	600.00

TECHNICS SL-P50 COMPACT DISC PLAYER

The SL-P50 is truly a professional compact disc player. It features multifunction display, balanced outputs, auto search, fader slider and fader start key, search dial, monitor speaker, level meters. Optional accessories include remote control, console legs, and rack mounting kit.

SL-P50 . . . . $4000.00
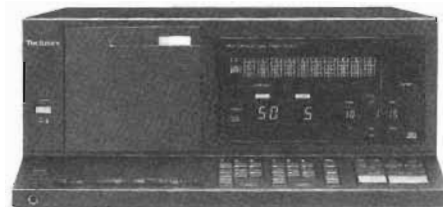
TECHNICS SL-P15 MULTI-COMPACT DISC PLAYER

The Technics SL-P15 can access any of up to 50 Compact Discs loaded in a disc magazine. (One more CD can be handled directly.) This makes an entire collection available without touching a disc. You can play any track on any disc in any sequence. Or all discs can be played for about 60 hours of uninterrupted music. With the optional control unit, one or more 50-disc extension players can be added for automated access to a hundred or more CDs at once.

There are nine command keys and separate numeric keypads for disc and track selection. Displays show tracks programmed for play, total program time on current disc, elapsed time, remaining time, next programmed disc, and more. Programming is possible in up to 12 steps by track, index number, and disc. The supplied infrared wireless remote control unit covers virtually all SL-P15 functions.

SL-P15 . . . . $1500.00
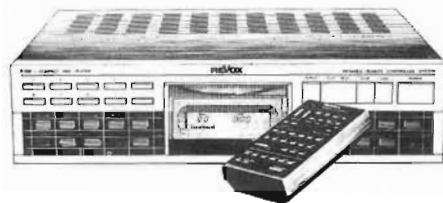
REVOX B225 COMPACT DISC PLAYER

Microprocessor control permits a full range of search loop and repeat functions, cueing time to any point is less than three seconds and programming is allowed while the disc is playing.

B225	$1150.00
Remote control option	125.00

═══════════════════════════════ *Duplicators*

OTARI TAPE DUPLICATORS

DP-4050-C1 CASSETTE DUPLICATOR

The DP-4050-C1 1 master/1 slave in-cassette duplicator features 8:1 copy speed, 800 kHz bias, ferrite heads and modular construction. It records all four channels in one pass, and also has "A" side only copying capability. With the addition of up to three DP-4050-Z3 slave transports the system can be expanded to 10 copies per pass. For systems requiring both open reel and cassette mastering capability the DP-4050-C1 can be combined with the DP-4050-OM open reel master and nine DP-4050-Z3 slave expanders to provide 28 copies per pass.

DP-4050-C1 . . . . $2495.00

DP-4050-Z3 SLAVE EXPANDER

Each DP-4050-Z3 provides three additional slave cassette transports and is designed to expand the duplicating capability of the C1, C2 and OM master units. It features the same modular construction used in the C1 and C2.

DP-4050-Z3 . . . . $3095.00

DP-4050-C2 CASSETTE DUPLICATOR

The DP-4050-C2 1 master/2 slave in-cassette duplicator features 8:1 copy speed, 4 channels per pass, 800 kHz bias, ferrite heads and modular construction. Master speed can be adjusted ±7% to correct for offspeed masters. With the addition of up to three DP-4050-Z3 slave expanders the system can provide eleven copies per pass.

DP-4050-C2 . . . . $3295.00

DP-4050-OM OPEN REEL MASTER

The DP-4050-OM features fully automatic operation with rewind only, rewind to cue, repeat functions and A-side-only copying ability. Both a 3.75/7.5 ips and an optional 7.5/15 ips master speed model are available. The DP-4050-OM will drive up to six DP-4050-Z3 slaves providing up to 18 copies per pass. It can also be combined with a DP-4050-C1 for systems requiring both open reel and cassette mastering.

DP-4050-OM $4850.00

> ## Prices Shown Are Factory Suggested List

MODULATION SCIENCES
CP-803 COMPOSITE PROCESSOR

The CP-803 composite processor increases loudness without the loss of dynamic range and stereo separation caused by conventional audio processing.

CP-803 . . . . $889.00
Rack Kit 25.00

MOTOROLA C-QUAM® AM STEREO SYSTEM

The Motorola C-QUAM® system gives full coverage in monaural and stereo and complies with all FCC requirements. The C-QUAM system also is compatible with existing equipment and directional antennas.

C-QUAM AM Stereo Exciter and
C-QUAM AM Stereo Modulation
Monitor $12,870.00
(Package price includes installation by Motorola)
Day/Night Option
(two transmitter operation) $1,000.00
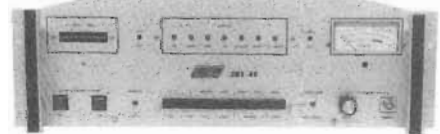
POWER PAK SMX-40 FM EXCITER

The Power Pak SMX-40 is a full frequency synthesized FM exciter that will operate in the standard 88-108mHz FM band, with minor modifications 65-88mHz band (for TV application) and 140-170mHz for international STL application. The SMX-40 will also operate as a "stand-alone" FM transmitter and has a two-year manufacturer's warranty.

SMX-40 FM Exciter (30 watts) $3995.00
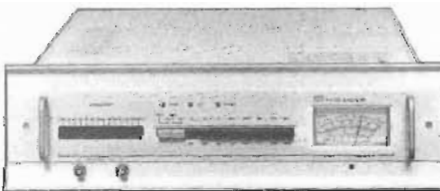
BROADCAST ELECTRONICS FX-30 FM EXCITER

The Broadcast Electronics FX-30 FM exciter offers performance so superior it rivals the best hi-fidelity tuners available. The FX-30 is frequency agile with a digitally programmed frequency synthesizer that puts more than 2000 channels at your command without requiring new crystals.

FX-30 3-30 watt FM Exciter $5595.00

BROADCAST ELECTRONICS
C-QUAM AM STEREO SYSTEM

The Broadcast Electronics AM stereo package consists of their AX-10 stereo exciter, Motorola's Model 1310 modulation monitor, and installation. Features of the AX-10 exciter include:

• Second generation C-QUAM® Digital Design
• Advanced-technology, independent right and left channel IF modulation technique
• Interfaces with virtually any existing AM transmitter
• Superior stereo performance, yet compatible with existing AM mono receivers
• Full remote control capability
• Built-in LED bar graph, peak-reading modulation display
• Compact size—only 3½ inch rack space
• Independent equalization for two-transmitter or dual antenna pattern operation

AM Stereo Package, including:
(1) AX-10 AM Stereo Exciter for C-QUAM® System for operation on (specify frequency) kHz, in the 552-1620 kHz range, with equalization for day/night or two transmitters, from power source of (specify voltage/Hertz) 117 or 220 volts AC, 60 or 50 Hz.
(1) MA-1 Motorola Model 1310, C-QUAM® AM Stereo Modulation Monitor. (Specify frequency) and (specify power source voltage/Hz).
(1) NPN BEI installation service. Includes 3 days service engineering time, travel and local living expense for supervision of installation, adjustment and measurement data for FCC audio proof. Additional days available at $300/day.
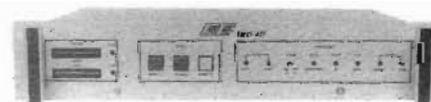
AX-10P $11,700.00
AX-10 AX-10 AM Stereo Exciter 6,000.00

TTL Interface option assembly for use with AX-10 to interface with transmitters requiring TTL digital level RF input.

TTL Interface option $100.00

Low Pass Filter, 12kHz option assembly for use with AX-10 when a LPF is not used in the processing equipment.

Low Pass Filter $275.00

SMG-40 FM STEREO GENERATOR

The SMG-40 stereo generator is a perfect compliment to the SMX-40. The SMX-40 assures transparency and excellent transmission quality. The SMG-40 has a two-year warranty.
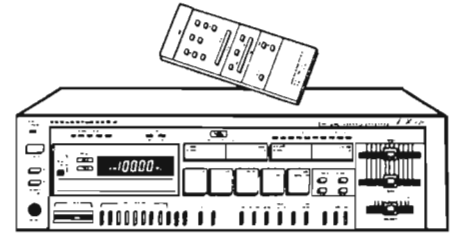
SMG-40 Stereo Generator $1895.00

CRL FM STEREO GENERATOR

The CRL SG-800 was designed to handle highly processed audio. Outstanding specifications at a modest price. Separation in excess of 60 db from 50 to 15kHz, VERY low distortion, and excellent signal to noise performance.

SG-800 . . . . $1450.00

MARANTZ AM STEREO RECEIVERS—
MOTOROLA COMPATIBLE

The Marantz digital receivers offer digitally synthesized tuning, 8 AM and 8 FM presets and discrete output stages. All will accept the AMS-40 Motorola AM stereo adapter (built in to the SR940). Wireless remote control standard with SR840G and SR940G.

SR440G 30 watts per channel (into 8 ohms)
no more than .04% THD $249.95
SR640G 45 watts per channel (into 8 ohms)
no more than .02% THD $329.95
SR840G 70 watts per channel (into 8 ohms)
no more than .02% THD $499.95
SR940G 100 watts per channel (into 8 ohms)
no more than .01% THD, Wireless remote control, Motorola AM stereo decoder
built in $639.95
AMS-40 Plug-in Motorola AM stereo
adapter (for SR-440, 640 & 840) $49.95

BROADCAST ELECTRONICS
FS-30 FM STEREO GENERATOR

The Broadcast Electronics FS-30 features include:

• Floating 50 ohm output
• 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
• Ultrastable digital modulator and pilot generator
• Selectable baseband equalization
• LED modulation display: L, R, L + R, L−R and composite signals

FS-30 . . . . $2495.00

ORBAN OPTIMOD-FM
PROCESSOR/STEREO GENERATOR

The Orban 8100A/1 is a multiband compressor/limiter/stereo generator with versatile setup controls that permit precise "tuning" to your format. Since it is both a processor and stereo generator, it can become one of your best processing investments.

8100A/1 Optimod-FM $4395.00

ORBAN TV STEREO GENERATOR

Orban wasn't the first to announce a TV stereo generator because they wanted to take the time to do the job right—to provide the level of design, quality, support and documentation which their customers have come to expect. With Orban's experience they have now designed a BTSC-standard television stereo system. It starts with the refined, field-proven Optimod® -TV Model 8182A stereo audio processor, with patented CBS loudness controller and their exclusive Hilbert-Transform Clipper peak limiter. To this Orban now adds a BTSC stereo generator chassis precisely harmonized to the 8182A.

8182A/SG
Optimod® -TV stereo generator **$4995.00**
8182A
Optimod® -TV audio processor **4995.00**
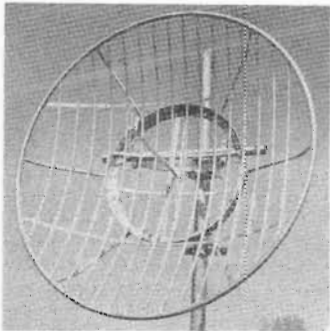
MARK ANTENNA PRODUCTS

Mark Antenna Products offers grid and solid microwave antennas from 350-2700mHz with optional radomes and de-icers. They also have satellite antennas from 3-5 meters in diameter. Call with your needs for pricing.

P-948GRN-M1	4' STL antenna	**$697.00**
P-972GRN-M1	6' STL antenna	**960.00**
P-996GRN-M1	8' STL antenna	**1567.00**
MG-944GN	mini-grid (890-960HHZ)	**242.00**
SH-572GN	short haul grid	**484.00**
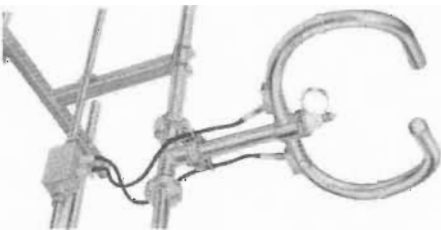
CELWAVE ANTENNAS

Celwave (formerlly Phelps Dodge) manufactures rigid coaxial transmission line, directional couplers, low pass filters, and FM broadcast antennas at all power levels.

Please Call with your needs.
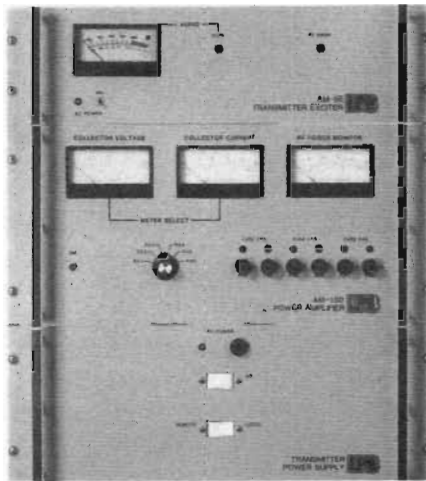
LPB AM BROADCAST TRANSMITTERS

The LPB low power transmitters are the result of over 20 years in the design and construction of low power AM transmitters. From 2 watts (or lower with modifications) the LPB low power transmitters are ideal for pre-sunrise and post-sunset service.

AM-25P	25-watt AM transmitter for 2-25 watt PSRA/PSSA service	**$ 725.00**
AM-30P	30-watt AM transmitter for 2-30 watt PSRA/PSSA service	**825.00**
AM-50	50-watt AM transmitter for 25-55 watt PSRA/PSSA service	**3395.00**
AM-100	100-watt AM transmitter for 50-110 watt PSRA/PSSA service	**4395.00**
AM-150	150-watt AM transmitter for 75-165 watt PSRA/PSSA service	**4995.00**
-01	Option for remote control for AM-50/100/150 transmitters	**395.00**
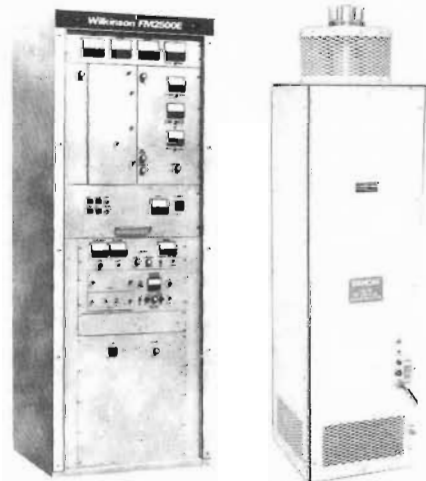
WILKINSON/TTC TRANSMITTERS

Wilkinson AM and FM transmitters are housed in steel cabinets finished in durable gray Pantex enamel with brushed aluminum trim. All components are conservatively rated for long life. Access to tubes is made through interlocked front panels, rear doors are also interlocked. Efficient, conservative construction makes a Wilkinson transmitter a very cost-effective buy.

Call for Pricing.

ELECTRO IMPULSE "DUMMY" LOADS (RF TERMINATORS)

Electro-Impulse RF coaxial loads range in power levels from 500-80,000 watts.

Please Call for Pricing.

WILKINSON/TTC TRANSLATORS

Wilkinson translators are modular and solid state which allows field servicing. The high performance allows crystal clear FM stereo. They can be modulated locally and local announcements can be inserted automatically or with remote tones. Convection cooled, these FM translators can operate unattended for long periods of time.

Please call for System Prices.
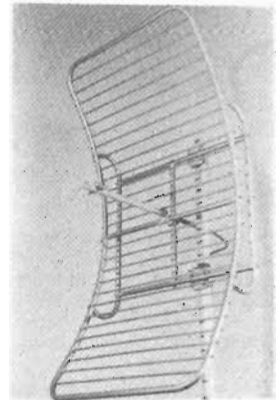
SCALA ANTENNAS

Scala antennas are designed to provide long life and high performance. Scala designs and manufactures a full line of fixed station antennas in the 40-1,000mHz spectrum. Their antennas are in use around the world for STL, RPU, precision off-air monitoring (FM/TV), and translator systems.

STL Antennas:

SCALA ANTENNAS

Scala antennas are designed to provide long life and high performance. Scala designs and manufactures a full line of fixed station antennas in the 40-1,000mHz spectrum. Their antennas are in use around the world for STL, RPU, precision off-air monitoring (FM/TV), and translator systems.

STL Antennas:

PR-450U	Paraflector—any specified frequency from 350-1000mHz, 50 or 75 ohms	**$500.00**
MF-960	Miniflector Broadband 940-960mHz, 50 ohms impedance	**300.00**

Monitor Antennas:

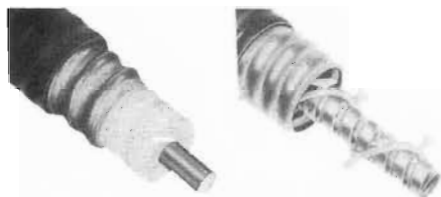|		
FMO	FM Broadcast Omni Antenna 88-180mHz (Broadband) 50 or 75 ohms	**250.00**
CL-FM	Broadband Color Log 88-108mHz, 50 or 75 ohms	**450.00**

VHF TV Color Logs:

CL-26	Channels 2-6, 50 or 75 ohms	**550.00**
CL-713	Channels 7-13, 50 or 75 ohms	**450.00**

UHF TV Color Log:

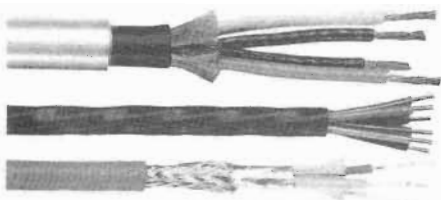|		
CL-1483	Channels 14-83 (Broadband) 50 or 75 ohms	**325.00**

Antennas cut to frequency, stacking harnesses, and pre-amps ae also available.

CABLEWAVE SYSTEMS TRANSMISSION LINE

Cablewave manufactures microwave antennas, waveguide, coaxial cable and mounting hardware. All cablewave products are made to "Mil-Spec."

Please call with your requirements.

WEST PENN WIRE

West Penn Wire is available in many different formats. This is a partial listing. Call CROUSE-KIMZEY for formats and sizes not listed.

452	22AWG Stranded (7x30) 2 conductor with drain and overall polyester foil shield . . . . (per 1000')	**$ 89.00**
450	22AWG Solid Wire, 2 conductor with drain and overall polyester foil shield . . . . (per 1000')	**79.00**
425	22AWG Solid, 15 pair, each pair has individual shield anc drain wire . . . . (per 1000')	**1140.00**
535	Microphone Cable, 2 conductor with braided shield . (per 1000')	**199.00**

MODULATION SCIENCES
SIDEKICK SCA 186 GENERATOR

The Modulation Sciences Sidekick SCA processor has:

- Excellent RF shielding
- Built-in transmitter tuning aid
- Stable over a wide temperature range
- Compatible with compander, data or telemetry systems
- Peak holding deviation meter can eliminate need for modulation monitor
- Quartz crystal controlled synthesizer can be programmed to any SCA frequency

SCA 186 Sidekick **$2450.00**

MARTI SCG-8/SCR-8 SCA SYSTEM

SCG-8 generator tuned to 39 or 67KHz. **$475.00**
SCR-8 receiver tuned to 39 KHz **$450.00**
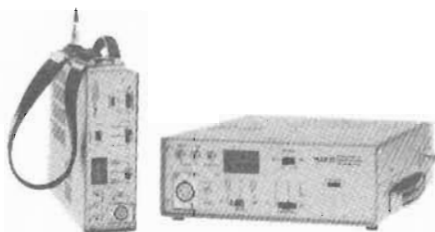
MARTI ELECTRONICS
REMOTE PICKUP EQUIPMENT

The term "Marti" has become synonymous with remote broadcasting. Marti RPU transmitters and receivers offer broadcast quality at a reasonable price.

Transmitters:

40-watt, solid-state, complete with crystal and tuned to 160 MHz. band.
RPT-40 . . . . **$1495.00**

Dual frequency, 40-watt, solid-state, complete with crystals and tuned to 160 MHz. band.
RPT-40-2 . . . . **$1645.00**

25-watt, solid-state, complete with crystal and tuned to 450 MHz. band.
RPT-25 . . . . **$1745.00**

Dual frequency, 25-watt, solid-state, complete with crystals and tuned to 450 MHz. band.
RPT-25-2 . . . . **$1895.00**

2.5-watt, solid-state, complete with tone encoder, one crystal and tuned to 160 MHz. band. Battery included.
RPT-2-150 . . . . **$895.00**

Same as above, tuned to 450 MHz. band.
RPT-2-450 . . . . **$895.00**

15-watt, solid-state, complete with tone encoder, one crystal and tuned to 160 MHz. band.
RPT-15-150 . . . . **$895.00**

Same as above, tuned to 450 MHz. band.
RPT-15-450 . . . . **$895.00**

Receivers:

Solid-state, complete with crystal and tuned to 160 MHz. band for use with RPT-40, RPT-15 and RPT-2/150 series transmitters.
BR-10/150 . . . . **$1015.00**

Dual frequency, solid-state, complete with crystals and tuned to 160 MHz. band, for use with RPT-40, RPT-15 and RPT-2/150 transmitters.
BR-10/150-2 . . . . **$1045.00**

Solid-state, complete with crystal and tuned to 450 MHz. band, for use with RPT-25, RPT-15 and RPT-2/450 series transmitters.
BR-10/450 . . . . **$1015.00**

Dual frequency, solid-state, complete with crystals and tuned to 450 MHz. band, for use with RPT-25, RPT-15 and RPT-2/450 transmitters.
BR-10/450-2 . . . . **$1045.00**

SCA GENERATOR

The CRL SCA-2 system combines the state-of-the-art SCA-300A generator with the APP-400 unit for superior sound and maximum coverage.

SCA-2 system **$2550.00**
**SCA-300A** SCA modulation generator **1500.00**

BROADCAST ELECTRONICS
FC-30 SCA GENERATOR

The FC-30 SCA Generator incorporates the latest electronic technology in an advanced-design, suitable for either high-performance audio or dc-coupled data transmission on a multiplexed subcarrier.

Occupying only 1.75 inches of vertical rack space, the FC-30 may be mounted either in the FM transmitter cabinet or in a separate rack enclosure. Extensive RFI filtering permits trouble-free operation in high RF fields.

All operating controls are accessible from the front panel which also accommodates LED peak-modulation indicators.

FC-30 . . . . **$1495.00**
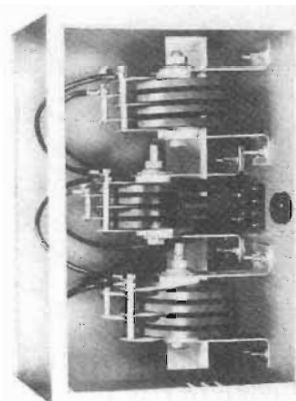
WILKINSON ELECTRONICS
SURGE PROTECTORS

The Wilkinson line surge protector is far superior to standard lightning arrestors, surge reactors, or other line protection devices. The surge protector produces no arcs or transients and power is never interrupted.

Line Surge Protectors:

S1A-1	110 volts, single phase	**$ 700.00**
S1A-2	220 volts, single phase	**900.00**
S1A-3*	220 volts, three phase	**1400.00**
S1A-4*	480 volts, three phase	**1500.00**

* Please specify voltage of each leg to ground when ordering. This will insure adequate protection.
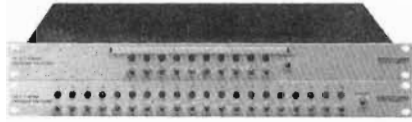

GENTNER ROUTING SWITCHERS

Gentner program switchers are passive routing switchers that may be used for selection of audio or control signals. In the stereo configuration any of ten inputs may be instantaneously selected to two outputs; in the mono configuration any of 20 inputs may be switched to a single output. It may be used with control signals, audio, or data with no signal degredation. The Gentner program switchers are also fully remotable.

Gentner Routing Switchers
10 in, 2 out (stereo),
20 in, 1 out (mono) **$849.00**

BSM 10 x 1 AUDIO ROUTING SWITCHERS

Direct access momentary pushbutton controlled audio routing switcher, 1.75" rack mount, internal shielded power supply. 10 in/10 out.

Instant access between any of the 10 incoming lines. Output amp for extra power boost and solid state FET switching—no CMOS used. Use it as a board extender, a tape recorder buss input selector, Xmtr selector, or for the newsroom.

110 . . . . **$695.00**
120 As above EXCEPT: with *dual*
    10 in/1 out cards (stereo) **995.00**

BSM 10 x 1 VIDEO ROUTING SWITCHERS

Direct access momentary pushbutton controlled video routing switcher, 1.75" rack mount, standard BNC I/O connections, internal shielded power supply. 10 in/10 out.

210 . . . . **$1095.00**
220 As above with *1 level*
    Audio Follow Video **1295.00**
230 10x1 (stereo) **1495.00**

REMOTE CONTROLS are available for 10 x 1 Video routing switchers.
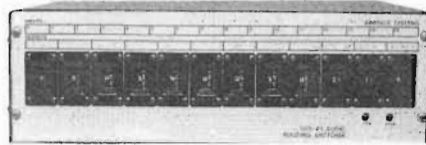
ARRAKIS ROUTING SWITCHERS

The audio routing switcher is the professional alternative to patch panels, mechanical switches, and distribution amps. Ultrareliable—the power supply is regulated, protected and has a 10-year meantime before failure. LSI integrated circuits reduce parts count to a minimum. All ICs are socketed for ease of replacement. All switchers come complete with all input and output connection sockets and pins. The thumbwheel control switches are 1,000,000 operation.

Audio Routing Switcher:

1100A-RSM	16 in by 4 out, mono - 5¼" rack	**$ 895.00**
1100A-RSS	16 in by 4 out, stereo - 5¼" rack	**995.00**
1100B-RSM	16 in by 8 out, mono - 5¼" rack	**1195.00**
1100B-RSS	16 in by 8 out, stereo - 5¼" rack	**1695.00**
100-RSM	16 in by 12 out, mono - 5¼" rack	**1500.00**
2100A-RSM	32 in by 4 out, mono - 5¼" rack	**1695.00**
2100B-RSM	32 in by 8 out, mono - 5¼" rack	**1695.00**
2100B-RSS	32 in by 8 out, stereo - 10½" rack (two 2100B-RSM units) . .	**3496.00**
3100A-RSM	64 in by 12 out, mono - 8¾" rack	**4800.00**
3100A-RSS	64 in by 12 out, stereo - 17½" rack	**9600.00**

Remote Controls - for audio routing switchers:

|		
16TH-1T	Single - 16 pos. thumbwheel - table mount (16 input switchers)	**$ 75.00**
32TH-1T	Single - A/B 16 pos. thumbwheel - table mount (32 input switchers)	**105.00**
64TH-1T	Single - ABCD 16 pos. thumbwheel - table mount (64 input switchers)	**115.00**
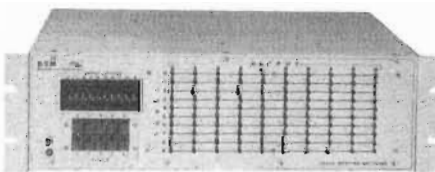
BSM 10 x 10 AUDIO ROUTING SWITCHER (BCD BASED)

Thumbwheel controlled audio routing switcher with 10 x 10 LED matrix display of active crosspoints. 5.25" rack mount, internal power supply. 10 in/10 out.

510 . . . . **$3595.00**
520 As above EXCEPT: *Stereo* version . **4595.00**

1 to 10 channel REMOTE CONTROL OPTIONS are available for the 10 x 10 BCD routing switcher—specify requirements when ordering.
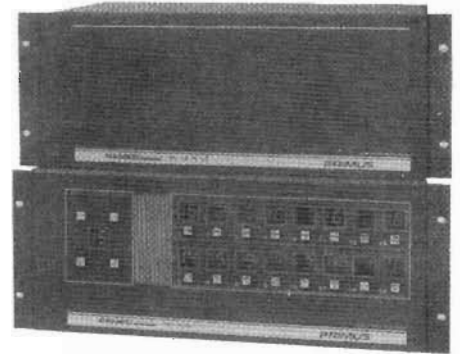
RAMKO RESEARCH ROUTING SWITCHER

The RS-1616 can match all of your various signal sources to your required line level without extra amplifiers or attenuators. With a combination of individual input gain range selection and trim adjustment, the RS-1616 can accept balanced or unbalanced inputs from mic thru line level, with a maximum in of +27dbm (18v peak). Due to its extreme bandwidth the RS-1616 can handle audio, SMPTE time code, D.C., ultrasonics, modems, or any other signals thru 100 kHz.

The system can be configured from as little as 8 mono/4 stereo in by 2 out, to as large as 128 mono/64 stereo in by 64 out. Up to 32 main frames may be looped together and controlled with a single control system. Additionally all individual functions such as, stereo or mono operation, gain, output levels, bandwidth are field changeable in minutes.

RS-1616	16x16 mono/8x16 stereo with battery back-up . . .	**$2945.00**
RS-1616LC	Same as above, less front panel select and displays for use where external controls, (remote or local) are used exclusively and front panel indicators are not necessary	**2480.00**
RS-81C	Eight input amplifier/ attenuator card	**190.00**
RS-20C	Two outputs per card	**145.00**
RS-2PD	Two output pane display and routing selector	**47.00**
RS-4BB	Ni-Cad battery logic backup	**26.00**

ORBAN 412A COMPRESSOR/LIMITER

Streamlined, cost-effective version of the 422A/424A with adjustable Attack and Release times, Compression Ratio, and Threshold. Front-panel Input and output Attenuators. Illuminated, easy-to-read Gain Reduction meter. Uses exclusive Orban feedback control circuitry to achieve remarkably natural sound, free from processing artifacts. User controls interact to simplify set-up. Active-balanced, floating input and output. Also available in Dual Channel/Stereo as Model 414A.

412A mono	**$425.00**
ACC-11 security cover for 412A	43.00
414A stereo	**$799.00**
ACC-12 security cover for 414A	45.00

ORBAN 424A GATED COMPRESSOR/LIMITER/DE-ESSER

A multi-purpose dynamic range control device with optimized, program controlled parameters. Manual adjustment of compression ratio, attack and release times, gating threshold, and de-esser sensitivity. "Output Trim" controls absolute peak level of VCA with accurate meter display. "Idle Gain" control helps prevent abrupt gain changes. Full function de-essers for sibilance control. Extremely natural sound. Also available in single channel as Model 422A.

424A stereo	**$989.00**
ACC-12 security cover for 424A	45.00
422A mono	**$629.00**
ACC-11 security cover for 422A	43.00

ORBAN 418A STEREO COMPRESSOR/LIMITER

Exceptionally smooth sound with adjustable program-controlled release time. Separate high frequency limiter with four selectable breakpoints from 25 to 75us. Simple, easy-to-use stereo-ganged controls. Accurate stereo tracking. Balanced line-level inputs; unbalanced outputs. Ideal for processing complex stereo program material in cassette duplication and broadcast production with minimum set-up time.

418A	**$899.00**
ACC-12 security cover	45.00

UREI MODEL LA-4 COMPRESSOR/LIMITER

A single channel, half-rack compressor/limiter with patented electro-optical attenuator. Featuring smooth, natural sounding RMS action, it offers selectable compression ratios, a large VU meter, adjustable output and threshold levels and stereo coupling.

LA-4	**$496.00**
DR-1 Double rack mount	28.00
SR-1 Single rack mount	28.00

DBX 160X COMPRESSOR/LIMITER

The DBX Model 160X provides the studio operator or broadcaster with outstanding performance and operational flexibility in a slim line rack mount package. The 160X offers a choice of over easy or hard knee operation regardless of the compression ratio selected. There is also a precision dual display system with an expanded range for continuously monitoring gain reduction as well as input or output levels.

DBX 160X	**$420.00**

dbx 166 COMPRESSOR/LIMITER

The new dbx 166 features:

- Noise gating with switchable release rate
- Variable OverEasy compression with infinity:1 effects
- PeakStop, for good-sounding clipping
- Sidechain monitoring
- Rack-mountable; low-profile
- Hardwire bypass
- Stereo or dual-mono operation

dbx 166	**$549.00**

DBX 165A COMPRESSOR/LIMITER

The 165A uses "Over Easy" compression—this allows the signal to pass through the threshold point and gradually adds the desired amount of compression over the range of several dB. The unit offers the option of automatic or manual attack and release rates.

165A	**$670.00**

APHEX SYSTEMS COMPELLOR

The compellor is a compressor/levelor/peak limiter simultaneously! The compellor control circuits are analog computers that control one VCA per channel. All you need to do is set input level to control the amount of processing, adjust output level, and set the balance between compression and leveling. The compellor will then provide complete dynamic control. Its unique circuitry actually enhances transient qualities, making even heavy processing undetectable.

APHEX Compellor	**$1195.00**

UREI MODEL 1176LN

A peak limiter which features adjustable input and output levels; individual attack and release time controls; selectable compression ratios; switchable metering; and stereo coupling.

1176LN	**$596.00**
SC-2 security cover	36.00
1176SA stereo adapter	46.00

SYMETRIX CL-150 FAST RMS COMPRESSOR/LIMITER

The Symetrix CL-150 compressor/limiter offers the audio professional a compressor/limiter with truly superior performance characteristics at a very economical price. The heart of the CL-150 is a super performance VCA which enables the CL-150 to operate with a dynamic range of greater than 100dB and typical distortion of less than .03%.

Symetrix CL-150	**$335.00**

SYMETRIX 501 PEAK-RMS COMPRESSOR/LIMITER

The Symetrix Model 501 incorporates two separate and independent control circuits sharing a common VCA and gives you both peak and RMS limiting. The 501 also has "soft knee" compression/limiting in the peak and RMS sections. This means that as gain reduction takes place, the action is gentle, effective, and inaudible. You hear music, not the 501.

Symetrix 501	**$425.00**
Symetrix 501-01	
(transformer balanced outputs)	495.00

SYMETRIX 525 DUAL GATED COMPRESSOR/LIMITER

The Model 225 is a multi-function dynamic range controller designed for exceptional performance and ease of operation. It has two independent channels which may be ganged for stereo operation. Features include extremely low distortion and noise, balanced inputs and outputs, and simultaneous compress/limit and expand/gate functions.

Model 525	**$495.00**

SYMETRIX 522 COMPRESSOR/LIMITER/ EXPANDER/GATE/DUCKER

The Symetrix 522 is a multi-function dynamic range control device. The 522 incorporates two channels which may be used independently or in a stereo interconnect mode. Each channel is essentially a "four-in-one" dynamic range processor. For example, with channel one in the compressor mode and channel two in the gate mode the 522 is a monaural "gated compressor limiter." The 522 is the most versatile dynamic range controller available.
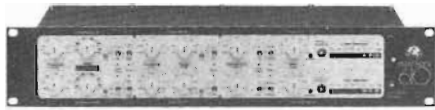
Symetrix 522	**$595.00**
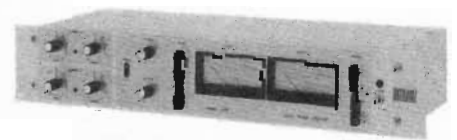
UREI MODEL 1178

A two-channel version of the 1176LN in a compact 3½" rack mounting design. Featuring perfect tracking in the selectable stereo mode, it additionally offers selectable VU or Peak reading meter ballistics.

1178 Dual Peak Limiter	**$896.00**
SC-2 security cover	36.00

VALLEY PEOPLE MODEL 610
DUAL COMPRESSOR/EXPANDER

The Valley People Model 610 Dual Compressor/Expander offers the convenience of two high quality compressors with the flexibility of multi-function processing. Each of the two channels consists of a compressor section and an expander section both controlling a common channel VCA. A special release coupling circuit provides symmetrical release characteristics for both the compressor and expander making interactive processing possible, thus eliminating the problems associated with using separate dedicated-function units.

Model 610 . . . . **$995.00**

VALLEY PEOPLE DYNA-MIC

The Valley People Dyna-Mic is a versatile tool that can serve not only as a dual transformerless preamplifier, but also as a two input, single output mixer complete with 3-band EQ built around musical center frequencies. Each Dyna-Mic card offers two independent, low noise, balanced differential input stages which are switch selectable to provide instant interface and optimum noise performance at low impedances, MIC, high impedances, INST. (musical instruments) and line levels, LINE.

Model 432 . . . . **$560.00**
Model 432M Single Channel Dyna-Mic **400.00**
The 431 Dyna-Mic/Dyna—Mite is also available:
  1 Dyna-Mic card and 1 Dyna-Mite card
Model 431 . . . . **$560.00**

AUDIO TECHNOLOGIES INCORPORATED
EMPH' A SIZER

THE ATI EMPH' A SIZER is a program controlled input signal gate, a unique low distortion compressor-limiter, and a four-band preset parametric equalizer. All this in one compact box. The EMPH' A SIZER can be used as a DJ microphone processor, a crowd noise ducker or on remotes as a line limiter or equalizer. With all these functions, the applications are limited only by your imagination.

ATI EMPH' A SIZER **$1395.00**
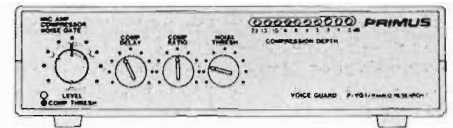
RAMKO PRIMUS P-VG 1, P-VG 2
COMPRESSOR/NOISE GATES

The Ramko Primus P-VG1 and P-VG2 compressor/noise gates are the answer to all those annoying problems where noise and loudness are hard to control. The Primus voice-guard features balanced inputs/outputs, adjustable compression depth, compression ratio, attack, threshold, and decay. The P-VG1/2 is available in single or dual versions, and has XLR input/output connections and a three-year warranty.

P-VG1 . . . . **$353.00**
P-RM (rack mount, single or dual) **10.00**
P-VG2 (dual version of
  P-VG1) . . . . **Contact CROUSE-KIMZEY**

VALLEY PEOPLE DYNA-MITE

The Valley People Dyna-Mite is a self-contained, multi-purpose processing device. In all it is capable of 18 operating modes, including the basic modes of limiting, expansion, noise gating, keying, de-essing and voice-over ("ducking"). In the limiting mode alone, there are a number of specific derivations, such as peak limiting, Linear Integration limiting, FM pre-emphasized limiting and side chain controlled limiting. The selection of operating modes is straightforward, understandable and easy to operate. The Dyna-Mite is capable of satisfying the most critical of demands for performance.

Model 430 . . . . **$560.00**
Model 430-M Single channel Dyna-Mite **400.00**

All options and conversion kits for the Dyna-Mic/Mite are available, call CROUSE-KIMZEY for pricing.

════ *Noise Reduction*

UREI 565T "LITTLE DIPPER"

The UREI "Little Dipper" filter set combines computer aided active filter design with integrated circuitry. Only 5¼" high the Model 565T provides four separate continuously tunable cascaded filters. The 565T's versatility makes it an ideal tool for many signal processing tasks especially "coherent" or "semi-coherent" noise (AC hum, hetrodynes, camera noise or fluorescent light buzz, to name a few). The low and high cutoff filters can reduce "incoherent" noise such as jet aircraft, amplifier noise, or general background noise. The front panel bypass switch will insert or remove the filter set noiselessly.

565T "Little Dipper" Filter Set **$1196.00**

ORBAN 536A DYNAMIC
SIBILANCE CONTROLLER

A two-channel, line-level de-esser. Offers constant de-essing over a 15dB input range without audible action. Dual LED metering of gain reduction. Active balanced input and output with output transformer option. Low noise and distortion. Cost-effective 19" rack mount package.

536A **$539.00**
ACC-II security cover **43.00**

DBX 180 TYPE I NOISE REDUCTION SYSTEM

The DBX Model 180 is a 2-channel record/play (encode/decode) noise reduction unit for professional quality tape recorders. Each channel's encoder and decoder can be used independently at the same time so full (decoded off the tape) monitoring is possible. The 180 is designed for use with professional machines operated at high (nominally +4) signal levels and speeds. The 180 will increase the dynamic range by 40dB (30dB of noise reduction) with a 10dB increase in headroom. The result is a lower noise floor and wider dynamic range than 16-bit PCM digital audio systems.

DBX 180 . . . . **$580.00**

DBX 150 TYPE I NOISE REDUCTION SYSTEM

The DBX Model 150 is a two-channel record/play (encode/decode) system for tape recorders. The encoder and decoder sections can be used simultaneously for off-tape monitoring. The 150 is designed for low level applications (nominally –10). The 150 will provide a 40dB increase in dynamic range with no pilot tones or special calibration procedures.

DBX 150 . . . . **$249.00**

DBX 140 TYPE II NOISE REDUCTION SYSTEM

The DBX Model 140 is a 2-channel record/play (encode/decode) professional level noise reduction unit for studio tape recorders, cart machines, VTR/VCR, microwave links, telephone lines and other frequently noisy broadcast transmission media. Both channels encode decode. Sections can work simultaneously for full monitoring. The 140 was designed for equipment where the extreme high frequency response is less than perfect. Depending on the individual channel noise of the medium, the 140 can increase the dynamic range up to 40dB. The DBX 140 also decodes DBX encoded discs.

DBX 140 . . . . **$590.00**

SYMETRIX 511 NOISE REDUCTION SYSTEM

The Symetrix 511 is a single ended or non-complimentary noise reduction system which does not rely on any encode-decode process to remove noise from audio signals. The 511 will improve your reel to reel recorder, cart machine, VTR, or cassette recorder up to 30dB. The 511 can also clean up noisy outputs from a variety of audio equipment. The 511 will give your analog equipment the dynamic range of digital.
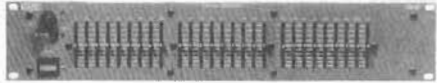
Symetrix 511 Noise Reduction System . **$595.00**

RANE GE-14 ⅔ OCTAVE GRAPHIC EQUALIZER

The GE-14 brings an unprecedented degree of precision to the ⅔-octave format, enabling greater feedback control with minimum effect on overall sound quality. Minimum filter overlap reduces slider re-adjustments.

Rane GE-14 . . . . **$499.00**

RANE GE-27 GRAPHIC EQUALIZER

The GE-27's Constant-Q State Variable filters define a new standard in graphic EQ, allowing more precise feedback control with minimum effect on sound quality. Minimum filter overlap reduces slider re-adjustments.

Rane GE-27 . . . . **$499.00**

RANE RE-14 DUAL-CHANNEL REALTIME EQUALIZER

The RE-14 brings a new standard of precision and ease to the ⅔-octave format: constant Q filters and a matching easy-to-use three-color LED analyzer enable system accuracy of ±1dB in just a few minutes.

Rane RE-14 . . . . **$749.00**
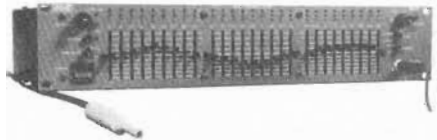
RANE RE-27 REALTIME EQUALIZER SYSTEM

The RE-27 is a complete ⅓-octave equalization system with easy-to-use color-coded analyzer display, enabling system equalization to ±1dB accuracy in just minutes for minimum feedback and optimum sound quality.

Rane RE-27 . . . . **$849.00**

TEAC EQA-10 GRAPHIC EQUALIZER

The EQA-10 is a ten-band stereo graphic equalizer with a spectrum display.

EQA-10 . . . . **$199.00**

TASCAM PE-40 PARAMETRIC EQUALIZER

The TASCAM PE-40 is really four separate equalizers in one rack mount package. The PE-40 can be used to process one mono program, two stereo programs or one 4-channel program. The channels can also be combined in a cascaded configuration for even greater flexibility.

PE-40 4-band, 4-channel **$650.00**
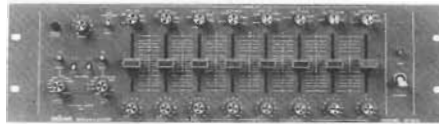
ORBAN 672A GRAPHIC EQUALIZER

A single-channel quasi-parametric equalizer with continuous control over center frequency, bandwidth, and amount of peak or dip. Convenient graphic-style EQ controls provide reciprocal EQ in eight bands. Additional 12dB/octave highpass and lowpass filters tune continuously over 100:1 frequency range. Additional lowpass output permits use as equalizer cascaded with electronic crossover. GAIN control; overload lamp; IN/OUT switches for equalizer and each filter. Line level balanced input; unbalanced outputs can be balanced with optional transformer(s).

Orban 672A Graphic Equalizer **$689.00**
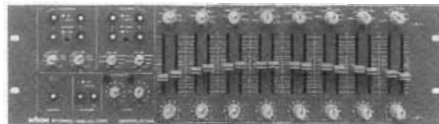
ORBAN 674A GRAPHIC EQUALIZER

A two-channel version of the 672A. Controls are configured to facilitate accurate, easy adjustment of both channels simultaneously when equalizing stereophonic program. Each channel identical to the 672A, including all controls and overload indicator, with the exception that the electronic crossover outputs are arranged as "MAIN/LOWPASS" and "HIGHPASS."

Orban 674A Two-channel **$1299.00**
ACC-13 security cover **47.00**

ORBAN 622B PARAMETRIC EQUALIZER

A two-channel parametric equalizer with continuous, non-interacting control over center frequency, bandwidth, and amount of peak boost or cut. Four peaking bands per channel with "constant-Q" curves provide –40dB notching capability; individual channel and band in/out switches; GAIN control; overload lamp. Line-level balanced input and unbalanced output. Output can be balanced by addition of optional transformer. Also available in single channel as Model 622A.

622B Stereo **$879.00**
622A Mono **569.00**
ACC-12 security cover **45.00**
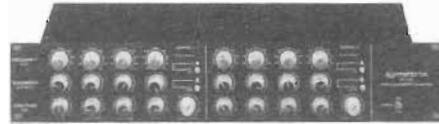
SYMETRIX SE-400 PARAMETRIC EQUALIZER

Each channel of the 2-channel SE-400 has four overlapping frequency bands: Low (16-512Hz), Low-Mid (56Hz-1.8KHz), High-Mid (196Hz-6.3KHz), and High (686Hz-22KHz). The controls per band include frequency (sweepable over a 3½ octave range), bandwidth (variable from a twentieth of an octave to over 3 octaves), and amplitude (±16dB).

Symetrix SE-400
Stereo Parametric Equalizer **$550.00**
Symetrix SE-400B
(Electronically Balanced Inputs
and Outputs) **625.00**
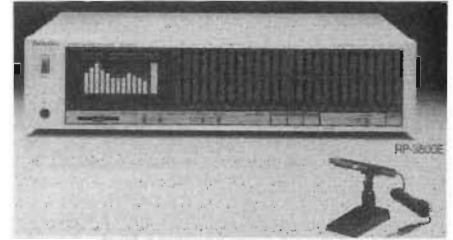
TECHNICS SH-8055 GRAPHIC EQUALIZER

The Technics SH-8055 graphic equalizer is a twelve-band stereo graphic equalizer with a built-in spectrum analyzer which lets you visually confirm the right, left or both channel EQ. Center frequencies are ⅔ octave apart from 25Hz to 250Hz, one octave from 250Hz to 16kHz. With the optional RP-3800E test microphone connected, the internal pink noise generator allows you to check the frequency response in your listening area.

SH-8055K **$340.00**
RP-3800E Test Microphone **70.00**
SH-8044K (7-Band EQ w/Analyzer) **250.00**
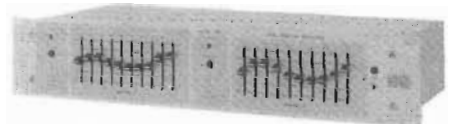
UREI MODEL 535 GRAPHIC EQUALIZER

A dual graphic equalizer with two channels of ten calibrated, stepless, vertical adjustment controls with ±12dB boost or attenuation. Also available in a single-channel version—Model 533.

535 Dual Graphic Equalizer **$496.00**
SC-1 security cover **36.00**
533 Mono Graphic Equalizer **366.00**
DR-1 (Rack mount for two 533s) **28.00**
SR-1 (Rack mount for one 533) **28.00**
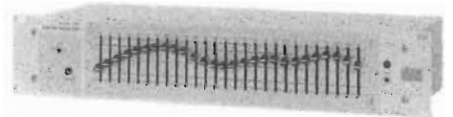
UREI MODEL 537 ⅓ OCTAVE GRAPHIC EQUALIZER

A single-channel one-third octave graphic equalizer which provides ±12dB of boost or cut in 27 ISO ⅓ octave increments from 40Hz to 16kHz.

537 ⅓ Octave Equalizer **$896.00**
SC-1 security cover **36.00**
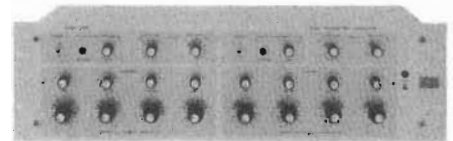
UREI MODEL 546 PARAMETRIC EQUALIZER

The UREI Model 546 parametric equalizer has two independent channels. Each has four sections of continuously variable bandwidth, frequency, boost or cut; bypass for each filter section and channel; tunable end-cut filters; and 30dB gain.

Model 546 . . . . **$746.00**
SC-4 security cover **48.00**
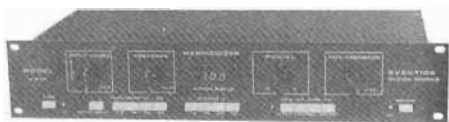
EVENTIDE H910 HARMONIZER®

A dependable, cost-effective Harmonizer for the working studio and performer.

Features: Pitch Change, one octave up and one down.
Delay: output one 112.5 mx. output two 82.5 ms.
Frequency Response: 20Hz - 12kHz ± 1dB.
Dynamic Range: 90dB. Feedback control.

HK940 KEYBOARD

Controls the H949 or H910 Harmonizer pitch change function in discrete musical steps. The mono keyboard controls one Harmonizer, the poly keyboard controls up to 3 units.

H910 Harmonizer	**$1500.00**
Balanced In/Out Transformer Coupling (must be factory installed)	**100.00**

HK940 Keyboard

Mono (controls one harmonizer)	**600.00**
Stereo (controls up to 3 units)	**700.00**

EVENTIDE H949 HARMONIZER

The Eventide H949 Harmonizer features:

Pitch Change: one octave up, two down.
Delay: two outputs each 393.75 ms.
Frequency Response: 15kHz.
Dynamic Range: 96dB.

Micro Pitch Change for extremely precise stable settings near unison. Two selectable algorithms to optimize pitch change performance.

Also: Time reversal, Repeat, & Randomized Delay. Long Delay permits simulated reverb.

H949 Harmoizer (includes de-glitch card)	**$3500.00**

EVENTIDE H969 PROPITCH HARMONIZER

Eventide's new Propitch digital electronic splicing/algorithm system delivers cleaner, more glitch-free performance than before. The Eventide H969 uses a 16-bit linear PCM coding for precise, rock stable pitch ratios. The H969 also sets a precise minor third, major third, fifth, seventh or octave pitch change precisely at the push of a button. Delay, Reverse, Repeat, and Doppler effects are also available.
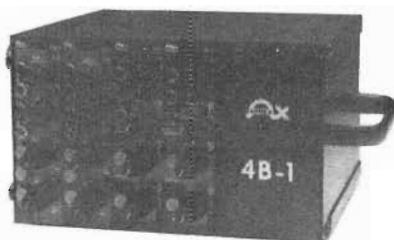
H969 Propitch Harmonizer	**$4500.00**
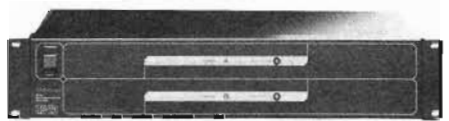
TASCAM RS-20 REVERBERATION

The TASCAM RS-20 dual reverb system can operate as a single stereo or two single channel units. It incorporates the latest electroacoustic design principles, combining the best of European acoustic experience and American musical taste.

RS-20	**$400.00**

APHEX MODULAR RACK SYSTEM

R-1	rack (holds 10 modules)	**$195.00**
PS-3	power supply	**275.00**
4B-1	self-powered rack (holds four modules)	**349.00**
Aural	exciter module	**295.00**
EQF-2	equalizer	**449.00**
CX-1	compressor/expander/gate	**449.00**

ORBAN 111B REVERBERATION

Dual-channel spring reverb with six springs/channel for smoothness and natural sound. "Floating threshold" limiter attenuates "spring twang" and protects against overload. Shelving bass and quasi-parametric midrange EQ. Unbalanced input accepts line-level or semi-pro (medium level) gear. Transformer-balanced main output; unbalanced "mixed" output allows use "in-line" without external mixers. Compact, rugged, and reliable with industrial quality parts and construction.

111B	**$899.00**
ACC-12 security cover	**45.00**
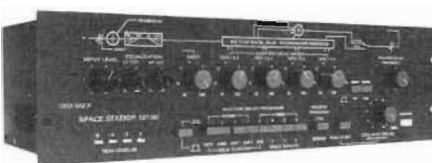
URSA MAJOR SST-282 "SPACE STATION"

The Space Station is a highly sophisticated audio signal processing unit which employs a digital delay line with multiple outputs to produce a wide variety of reverb, echo, and comb filter effects.

SST-282	**$2195.00**

URSA MAJOR MODEL 8x32 DIGITAL REVERB

This affordable reverb has been designed for exceptionally easy and informative operation. Features include: Four Master Programs, Microprocessor-Based Control, Memory large enough to store 64 separate program modifications and will retain them even after the unit is turned off. A remote control with full panel controls and displays is available as an option.

8x32 MKII (full front panel w/remote)	**$4675.00**
8x32 MKII (blank front panel w/remote)	**4350.00**
8x32 MKII (full front only)	**4000.00**
8x32 MKII (remote only)	**675.00**
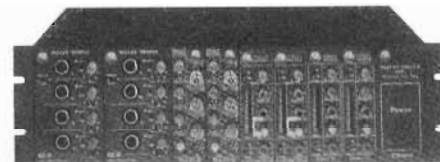
VALLEY PEOPLE 800 SERIES MODULAR RACK SYSTEMS

The unique approach taken with the TR804 and TR805 enclosures allows you to purchase additional mounting space only when it's needed. The TR804 powered rack holds up to 4 single-card modules and provides power for nine "800" series signal processing cards. For table-top applications, the TR804 is shipped with protective rubber feet, or it may be rack mounted with the short and long rack ears included. When additional rack mounting space is required, the TR805 unpowered rack holds up to 5 single-card modules and is powered by the TR804 power supply. The TR805 is supplied with a short rack ear. The combined TR804/TR805 units fit into a 5¼" x 19" rack space.

The TR806 processing package is designed to house and power up to 10 single-card "800" series modules. This rack mounting scheme is the most cost effective means of implementing the full complement of Valley People "800" series equipment. A TR806 unit fits into a 5¼" x 19" rack space.

Rack Enclosures:

TR804	powered for up to 4 modules	**$400.00**
TR805	unpowered for up to 5 modules	**330.00**
TR806	powered for up to 10 modules	**800.00**
CM801	single channel card enclosure	**45.00**

Accessories:

TR800LRE	long rack ear for 804 & 805	**$20.00**
TR800SRE	short rack ear for 804 & 805	**10.00**
TR800BP	single blank panel	**6.00**
EXT/2	extender card for 800 Series	**36.00**

Modules:

|		
810	Kepex II keyable program expander/gate	**$400.00**
811	Gain Brain II limiter/compressor/duck	**400.00**
812	Maxi-Q 3-band parametric equalizer	**400.00**
813	QLZ low imp quad mic preamp (2 spaces)	**550.00**

URSA MAJOR 323 "STARGATE"

The StarGate is a high performance digital reverb system whose sound quality and features match those of much higher-priced systems. Eight pre-tuned rooms let you simulate (and modify) a wide range of acoustic environments; the superbly designed panel controls let you independently adjust all important reverb parameters, with full simultaneous display of settings.

Model 323	**$2000.00**

URSA MAJOR 626 "STARGATE"

The StarGate 626 is a deluxe version of URSA MAJOR's StarGate 323 Digital Reverberator. It maintains the excellent sound quality of the 323, with 80dB dynamic range and 15kHz bandwidth, and adds eight new reverb and effects programs to the original unit's eight "rooms." The 626 also utilizes the latest 256K RAM's for expanded memory/time delay.

Model 626	**$2500.00**
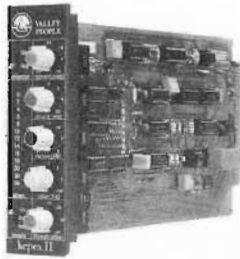
VALLEY PEOPLE KEPEX II

The name Kepex has been synonymous with the term noise gate since 1969. The Kepex II is a logical extension to the original Kepex. It's a totally new design using the Valley People EGC-101 VCA as its gain control element. Applications include elimination of undesirable tape or cart machine noise, amplifier hum and buzz, "room sound" (ambient set or street noise), announcer noises (breath noises, lip smacks, chair squeaks), or camera noises. The Kepex II can offer dramatic punch to almost any audio production. The Kepex II is a modular device, designed to be housed in any of the Valley People 800 Series rack mounting enclosures.

Kepex II..........................**$400.00**

EVENTIDE BD955 BROADCAST AUDIO DELAY LINE

This unit was designed specifically for the policing of live talk shows. The BD955 replaces unreliable tape loop devices with solid state digital reliability. It is a RAM-based digital delay line available in two frequency ranges: 7.5kHz *(for reproduction of telephone audio)* and 15kHz (for quality reproduction of the full audio spectrum). There are three maximum delay times: 1.6, 3.2 or 6.4 seconds.

The BD955's unique "catch-up" feature automatically rebuilds the delay safety margin after objectionable material has been dumped, eliminating the need to fill time with a taped jingle or announcement. The BD955 doubles as a production effects tool, providing delay times ranging from 6.5 ms up to the unit's maximum.

BD955	Response to 15kHz	
	3.2 Sec Delay	$3350.00
	6.4 Sec Delay	4300.00
	Response to 7.5khz	
	6.4 Sec Delay	3350.00

Stereo Interconnect
(Plus cost of two units) **$150.00**

The Eventide Timesqueeze as well as other Eventide products are available.
Please call COURSE-KIMZEY for more information.

ORBAN 245F STEREO SYNTHESIZER

Creates a seductive pseudo-stereo effect from any mono source. Left and right channels sum back to original mono for total compatability in disc cutting and FM stereo broadcast. The 245F has found widespread use in television to create stereo from VTRs and film chains. It doesn't affect the frequency balance of the mono original. Easy to use; only three operating controls. Balanced line-level input.

245F	$399.00
ACC-11 security cover	43.00

VALLEY PEOPLE MAXI-Q PARAMETRIC EQUALIZER

The Valley People Maxi-Q is a three-band parametric equalizer that offers continuously variable frequency tuning over a very wide 7-octave range. Each EQ band may be selected to either peaking or shelving or bypassed entirely. In the peaking mode, the bandwidth may be varied from .3 to 3 octaves, while in the shelving mode the slope is variable from 4dB/octave to 28dB/octave. The gain range per section is + 14dB to – 30dB or less at selected frequency. The Maxi-Q is a modular device designed to be housed in any of the Valley People 800 Series powered or unpowered rack enclosures.

Model 812 Maxi-Q **$400.00**
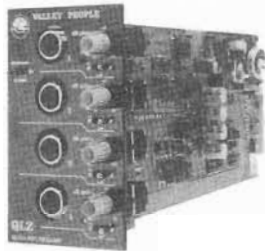
VALLEY PEOPLE QLZ LOW IMPEDANCE QUAD MICROPHONE PREAMP

The QLZ low impedance quad microphone preamp offers superior noise and distortion performance over other modular or console preamplifier circuits. The QLZ is transformerless and has four balanced differential inputs. Connection to the QLZ is made by the front panel XLR connectors or via the 800 Series rear mounted barrier strip (the 800 Series racks are required). RF suppression is incorporated in all inputs and outputs of the QLZ and "phantom" powering is readily available.

QLZ Quad Microphone Preamp **$550.00**

EVENTIDE BROADCAST DIGITAL DELAY

Model 931 (mono) & 932 (stereo) Broadcast Digital Delay Line:

Eventide presents the "no compromise" economy obscenity delays—the BD931 (mono) and BD931 (stereo) each in 3.2 and 6.4 second configurations. Priced to be cost-effective even for stations that air only limited talk programming.

BD932	(16kHz stereo)	
	3-2 Sec Fixed Delay	$2595.00
	6.4 Sec Fixed Delay	4495.00
BD931	(16kHz mono)	
	3.2 Sec Fixed Delay	$1795.00
	6.4 Sec Fixed Delay	2295.00

VALLEY PEOPLE GAIN BRAIN II

The Valley People Gain Brain II is fundamentally different from any other limiter/compressor device including the original Gain Brain. While other units struggle with peak or RMS detectors that respond to arbitrary voltage or power level and typically squash or flatten the music, the Gain Brain II response is variable and dependent on the degree of the waveform complexity. This is accomplished through linear integration and allows the Gain Brain II to distinguish between the absolute voltage level of a signal and the loudness as perceived by the ear. The result is a significant increase in sonic "naturalness" over conventional detection schemes. The Gain Brain II is highly useful in all applications requiring exacting control over audio levels and preservation of dynamic range.

Gain Brain II **$400.00**
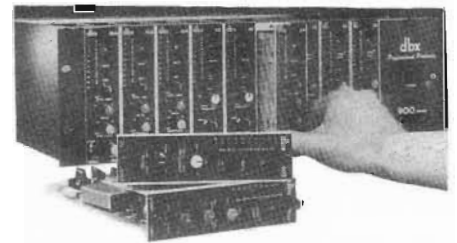
DBX MODULAR RACK SYSTEM

The DBX 900 Series features convenience with flexibility. You can fit up to 8 sophisticated signal processing modules into a rackmount unit measuring just 5¼" high. Each 900 Series module represents a step forward in state-of-the-art technology. Installation is quick and easy to accomplish. Standard connectors enable you to wire the rack into your system like any other component. The interchangeable signal processing modules slip in and out in seconds.

F-900 Main Frame	
(including power supply)	$525.00
941 Noise Reduction —	
Type II, two-channel encode	260.00
942 Noise Reduction —	
Type II, two-channel decode	270.00
411 Noise Reduction —	
Type I, one-channel encode/decode	310.00
902 De-esser Module	350.00
903 Compressor Module	350.00
904 Noise Gate	350.00
905 Parametric Equalizer	370.00
907 Stereo Gated Compressor Slave ..	290.00

HOWE AUDIO SERIES 2100 PHASE CHASER

The Howe audio phase chaser eliminates phase errors in stereo sources, and is extremely efficient in tape source applications. The phase chaser is ideal for AM stereo applications and is in use by many major broadcasters.

2100 Phase Chaser **$1200.00**

ORBAN 8100A OPTIMOD® -FM
FM PROCESSING

The 8100A is a multiband compressor/limiter/stereo generator with versatile setup controls that permit precise "tuning" to your format. Given its versatility and superb sound, it is clearly the best processing investment you can make and will enhance your quality and ratings now and in years to come. With the addition of the 8100A/XT (the "P.D. Pleaser"), the 8100A will provide aggressive multiband (6 band) processing for stations that desire bright, loud, "highly-processed" audio.

8100A/1	Optimod® -FM (prewired to accept the 8100A/XT accessory chassis).	**$4395.00**
8100A/XT	Six-Band accessory chassis .	**2295.00**
8100B	Optimod® -FM with 6 band limiter (package price)...	**6595.00**
8100A/ST	(ACC-1) studio chassis assembly	**795.00**
RET-27	Field retrofit kit to convert 8100A to accept 8100A/XT (not required for 8100A/1)	**395.00**

CRL FM PROCESSING

The FM-2 is a two-band system which includes a stereo preparation processor and a stereo modulation processor. It's perfect for those who want to improve fidelity and loudness for a modest cost.

The FM-4 system is the next best thing to more power. It gives you maximum fidelity, maximum loudness, and maximum control.

Included are a stereo preparation processor, a stereo modulation processor and two spectral energy processors.

FM-2	....	**$3500.00**
FM-4	....	**6200.00**

APHEX II AURAL EXCITER

The Aphex II aural exciter is a unique proprietary audio processing device that makes use of highly advanced psychoacoustic principles to effectively restore and enhance audio presence, brightness, and intelligibility. The patented process creates the perception of an increase in mid and high frequency energy with no actual increase in power or level. The aural exciter is a single ended process requiring no decoder. Once encoded, copies made from a processed tape sound every bit as good as the original. It will make your signal stand out on a crowded dial.

Aphex II-S	Studio Aural Exciter	**$2950.00**
Aphex II-B	Broadcast Aural Exciter	**2950.00**

(Same as the studio exciter with extensive RF shielding and safety bypass relays in the event of power failure.)

CRL AM PROCESSING

The AM-2 is a two-band system at a budget price. It includes a preparation processor and modulation processor. It may be upgraded to larger system at any time.

The AM-4 is CRL's best multi-band system. It offers maximum loudness and fidelity. It includes preparation processor, four-band compressor, and modulation processor for audibly superior performance.

AM-2 mono	....	**$2100.00**
AM-2 stereo	....	**3700.00**
AM-4 mono	....	**$3450.00**
AM-4 stereo	....	**6400.00**

ORBAN TV STEREO GENERATOR

The Model 8182A/SG is an extremely high quality stereo generator to be used in conjunction with the Optimod® -TV stereo audio processor. Features include:

- Left and right computer-optimized filters which not only notch out the 15734Hz horizontal line frequency, but also equalize the 8182A to make it even flatter than it would be without the filters!
- A genuine dbx encoder card to assue tightest conformance with dbx standards.
- A high-precision realization of the required (and infamous) sum-and-diffrence 11-pole 15kHz lowpass filters which draws upon every bit of Orban's computer-aided filter design experience to assure highest standards of accuracy and stability over time and temperature.
- Sync can be derived from either program video or sync bus to simplify installation. Video loop-through is provided.
- A built-in monitor facility using a high-precision dbx *decoder* card to verify stereo generator performance independently of the exciter, RF link, and modulation monitor.
- A stereo baseband generator based on the servo-stabilized matrix design used in our Optimod® -FM.
- A user-adjustable baseband clipper to prevent the large overshoots introduced by the 11-pole filters from causing IM between the stereo and the SAP, the Pro Channel, and the pilot tone.

8182A/SG Stereo Generator	....	**$4995.00**

APHEX AURAL EXCITER TYPE B

The Aural Exciter Type B is engineered for less demanding situations than the Aphex Type II exciters. It utilizes the same psychoacoustic principles to make Aural Excitement available to small clubs, studios, halls, restaurants, musicians, tape duplicators and sound contractors operating on a more modest budget. Retaining the most important features of its bigger brothers, the Aural Exciter Type B is a small, lightweight package with extensive capabilities limited only by the user's imagination.

Aphex Aural Exciter Type B	....	**$495.00**

ORBAN 8182A OPTIMOD® -TV
TV PROCESSING

The Orban Optimod® -TV Model 8182A is an integrated signal processing system which replaces conventional compressors, limiters, and clippers. The 8182A is an adaption of the Optimod® -FM Model 8100A to TV audio and offers TV broadcasters the same superb audio quality that has made the 8100A so popular among FM radio broadcasters. The 8182A is also ideally suited for conditioning signals prior to satellite uplinks as well as for audio processing in other specialized communications applications where extremely high quality audio is desired. The audio spectrum must be limited to a 15kHz bandwidth, and the channel peak overload is abrupt and must not be exceeded. The Optimod® -TV is sold stereo ready with two channels of processing available. In mono operation, the second channel provides a certain measure of redundancy (for stereo, an external stereo generator must be used). An alternate dual chassis system permits the dual-band compressor to be operated separately from the remainder of the circuitry. This permits placing the compressor at the studio side of the STL to protect the STL from overmodulation.

8182A	Optimod® -TV	**$4995.00**
8182A/ST	accessory chassis assembly (ACC-7)	**895.00**
8180A/ST	accessory chassis assembly (ACC-4)	**795.00**
RET-25	8180A to 8182A factory conversion	**995.00**
RET-26	8180A/ST to 8182A/ST factory conversion	**295.00**
8182A/SG	stereo generator	**4995.00**
8182A/SAP	generator.......estimate	**4995.00**

ORBAN 9100A OPTIMOD® -AM
AM PROCESSING

The Orban 9100A Optimod® -AM is an integrated audio processing system for AM radio including compressor, program equalizer, multiband limiter, clipper, and transmitter equalizer. The 9100A has outputs for two transmitters with independent output level control and full remote switching for TX1/TX2 and day/night status. Four sets of transmitter equalization are available . . . all remote selectable. The 9100A is available as a stereo processor or as a stereo ready mono processor. Stereo conversion is achieved simply by plugging in circuit cards. No accessory chassis is required except for the stereo generator.

9100A/1	Optimod® -AM mono	**$4395.00**
9100A/2	Optimod® -AM stereo	**5295.00**
RET-16	stereo conversion kit.......	**995.00**

JBL MODEL 4301B

Features:
- 2-way: 8" woofer,
  1.4" tweeter
- Frequency response: 45-15,000 Hz
- Power capacity (continuous sine wave): 15 watts
- Dimensions: 19" x 12⅟₁₀" x 11¼"
- Weight: 28 lbs.

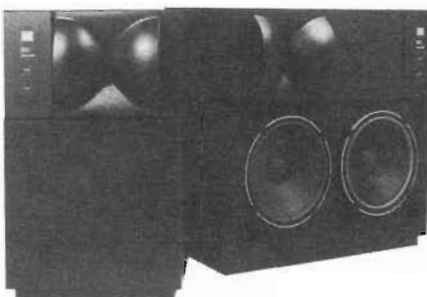Model 4301B .... **$243.00 each**

JBL MODEL 4312B CONTROL MONITOR

Features:
- 3-way: 12 woofer,
  5" midrange,
  1.4" tweeter
- Frequency response: 45 Hz - 15kHz ± 3dB
- Power capacity: 80W continuous program
- Dimensions: 23½" x 14¼" x 11¾"
- Weight: 45 lbs.

Model 4312B .... **$432.00 each**

JBL MODEL 4401 STUDIO MONITOR

Features:
- Dimensions: 14¼" 9⅜" x 7¾¹⁄₀"
- Weight: 35 lb. a pair
- 6½" woofer,
  1" tweeter
- Frequency response: 70 Hz - 18kHz
- Power capacity: 60 watts

Model 4401 .... **$189.00 each**
MC-4401 mounting cradle ..... **39.00 each**

JBL MODEL 4411 STUDIO MONITOR

Features:
- 3-way: 12 woofer,
  5" midrange,
  1" tweeter
- Frequency response: 45 Hz - 18kHz
- Power capacity: 150 watts
- Dimensions: 23¼" x 14¼" x 12⅞"
- Weight: 52 lbs.

Model 4411 .... **$570.00 each**

JBL SPEAKERS

The JBL 4430 and 4435 speakers are in an oiled walnut enclosure with dark blue stretch fabric grilles. Dimensions for the 4430 are 35¼" x 21⅞" x 15¾" (18'⅝₀" deep with horn). The 4435 has dimensions of 35¼" x 38" x 17⅛" (20⁹⁄₃₂" deep with horn). Frequency response is 35Hz-16kHz ± 3dB on 4430 and 30Hz-16kHz ± 3dB on 4435. Maximum power (continuous program) is 300W on 4430 and 375W on 4435.

Model 4430 .... **$1260.00 each**
Model 4435 .... **1716.00 each**

JBL SPEAKERS

Industrial Series 8216 Foreground Music System:
- Dimensions: 14¼" x 10" x 9¼"
- Weight: 18 lb.
- 6.5" Woofer
  1" Tweeter
- Power Capacity: 60 watts

Model 8216 .... **$87.00 each**

JBL SLT-1 MINIATURE LOUDSPEAKER

- 5¼" low frequency loudspeaker
  1" dome high frequency loudspeaker
- Dimensions: 9⅝" x 6¼" x 5" with
  10" bracket length
- Net Weight: 13½ lbs.

SLT-1 .... **$129.00 each**

ANCHOR SYSTEMS SPEAKERS

Anchor Systems speakers are used by the major networks, at the nation's headquarters, and Fortune 500 corporations. Anchor speakers are self-contained sound systems in a compact, lightweight package.

AN-100 complete single-driver sound system in a walnut enclosure. Selectable LO-Z mic, line or phono inputs. 35W amplifier.
6¼"H x 7¼"W x 6¼"D **$349.00**

AN-150 Same as above in a protective case with handle and removable front/rear covers.
6½"W x 7¾"H x 11½"D **369.00**

AN-200 Complete system in walnut enclosure. LO-Z mic, line, or phono input. 55W amplifier.
8"H x 12"W x 6¾"D **449.00**

AN-250 Same as above in transport case with handle and removable front/rear covers.
8½"H x 12¾"W x 11½"D **469.00**

AN-206 Same as AN-200 with mixable inputs. Two LO-Z mic and one line each with volume control **$479.00**

AN-256 AN-206 in road case **$499.00**

AN-001 Unpowered single driver system,
4 ohms **$109.00**

AN-015 AN-001 in road case **$119.00**

AN-002 Unpowered 3 driver system,
4 ohms **$179.00**

AN-025 AN-002 in road case **$189.00**

BC-002 Battery operation "capability" installation on AN-200, AN-250, AN-256 units. Adapts speaker for battery operation and recharging pack (BP-760). Multi-pin connector w/protective cap and battery level meter installed on rear panel. All circuitry installed in unit... **$65.00**

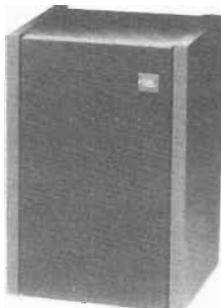**BP-760** Battery pack for use with battery capable AN-250 or AN-256 .... **$379.00**

Mounting brackets, rack shelves and stands are available. Call CROUSE-KIMZEY for pricing.

Prices Shown are factory Suggest List

Sentry 500

Sentry 505

ELECTROVOICE SENTRY 500 SPEAKERS

The Sentry 500 Series speakers have a frequency response of 40Hz to 18kHz. Power capability is 100 watts long term. Weight is 70 lbs. on 500, and 60 lbs. on 505. Dimensions for the Sentry 500 are 23¾"H, 27"W, 13"D.

Sentry 500	**$499.00**
Sentry 505	**499.00**
WB23 wall mounting bracket	**27.00**
SEQ500 low frequency step-down equalizer and infrasonic filter	**129.00**

ALC MODEL 20306 SPEAKERS

- 2-way system
- 8" woofer
- 1¾" tweeter
- Fused
- Walnut vinyl finish
- Snap-away grille

Model 20306 Monitor **$116.00**

ELECTROVOICE SENTRY 100A SPEAKER

The ElectroVoice studio monitors are "human engineered" for the broadcast/recording studio engineer. The EV monitors offer high efficiency with extended low frquency response, high power capacity across the entire frequency range, uniform frequency response, and dispersion in a no frills package.

The Sentry 100A weights 28 pounds and has dimensions of 17¼"H, 12"W, 11⅛"D. Power capacity is 30 watts long term.

Sentry 100A	**$249.00**
Sentry 100EL same as 100A but with built-in power amp	**499.00**
SRB-7 rack/wall mounting bracket	**25.00**

ALC MODEL 21314 SPEAKERS

- 2-way system
- 10" woofer
- 1¾" tweeter
- Fused
- Walnut vinyl finish
- Snap-away grille

Model 21314 Studio **$150.00**
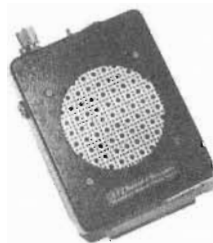
GKC MONITOR AMPLIFIER SPEAKER

Quality compact amplifier featuring 3" speaker powered by 9V battery or external power supply up to 12V DC. It can be used as a speaker amp, speaker headphone amp, or as a headphone monitor amp.

- Balanced input 2K ohms
- Power output switchable from 250mW to ½W
- Output imp. 8 ohms
- 5¼"H, 3½"W, 1½"D

Model 900 . . . . **$150.00**

ALC MODEL 10302 SPEAKERS

- 7⅞" square
- Full range
- 1" aluminum voice coil
- Fused
- Acoustic suspension
- Walnut vinyl finish
- Snap-away grille

Model 10302 Announcer **$53.00**

Other ALC Models available:

20106	Monitor II	**$ 99.00**
32114	Studio III	**171.00**
40120	SC-4	**220.00**
40704	SC-54	**151.00**
80135	SC-8	**373.00**
80314	Studio-8	**226.00**
80708	SC-58	**240.00**

ALC MODEL 32322 SPEAKERS

- 3-way system
- 12" woofer
- 4½" midrange
- 1¾" tweeter
- Fused, ported 50W RMS power capability

Model 32322 Audition **$323.00**

GKC MONITOR AMPLIFIER SPEAKER

The Model 700 is a monitor amplifier speaker primarily designed for ENG applications. It can be used as a speaker amplifier, speaker headphone amplifier, or strictly as a headphone amplifier. It comes with a belt clip. Input is 1K ohms and output is 8 ohms.

Model 700 . . . . **$125.00**


ANCHOR PUBLIC ADDRESS SYSTEM

Nowhere is there a more powerful, portable public address system! It can cover an area the size of a football field or a crowd in excess of 5,000 people. Exceptional clarity and penetration assure you of intelligibilty at a distance where other portable sound systems can't even be heard!

The exclusive built-in protection circuit prevents damage from overcharging or excessive discharge. The battery will give 10 hours of continuous service, and will recharge to 90% in four hours. The system includes: mic, mic cable and speaker cables that are stored inside the unit and two reentrant horn-type speakers that latch onto the cabinet for maximum portability.

Features include: 50 watt amplifier, mic and auxiliary inputs (with separate volume controls), record output, tone control and external speaker output. Also available with wireless microphone option.

PA-500 Porta-Vox Audio System, 13½" x 28" x 19½". Weighs less than 25 lbs.

PA-500 . . . .$ 789.00
   with handheld wireless mic 1278.00
   with lapel wireless mic 1298.00
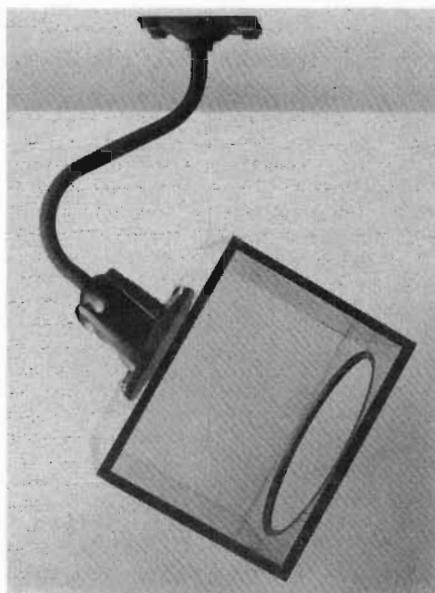
OMNIMOUNT SYSTEMS

Hang it all with an Omnimount universal mounting system. The key to Omnimount's omni-directional movement is its artfully simple, patented ball and clamp assembly. The obtrusive "nuts and bolts" look is gone replaced by an esthetically pleasing line and contour. Even the wiring is hidden through the assembly.

Omni-Mount Model 100WA
  (for loads of up to 70 lbs.) . . . . . each **$69.95**

Omnimount Systems to hold lighter and heavier loads are available, call CROUSE-KIMZEY for pricing!

AUDIO TECHNICA AUDIO INSULATOR SYSTEM

Four vibration-absorbing units placed under turntable or speaker provide effective acoustic insulation. Rubber projections of various diameters and length on the bottom of each insulator are scientifically placed to vary contact area with the mass of the turntable or speaker. Two-stage felt and rubber compliance damps vibration to reduce feedback, clean up bass reproduction. Height adjustable. Precise bubble level provided. Set of four.
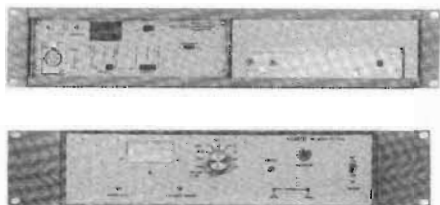
AT605 supports up to 36 lbs. **$29.95**
**AT606** supports up to 70 lbs. **34.95**

MARTI ELECTRONICS TSL

Cost effective Marti TSL systems can replace expensive and unreliable Telco telemetry lines. The 2.5 watt transmitter can be solar powered.

RPT15-450P 15 watt solid-state transmitter, complete with crystal and tuned to a Group P Frequency.
0.00025% frequency tolerance . . . .**$ 895.00**

RPT2-450P 2.5 watt solid-state transmitter, complete with crystal and tuned to a Group P Frequency.
0.00025% frequency tolerance.
Less battery **795.00**

RR-30/450 solid-state receiver, complete with crystal and tuned to a Group P Frequency **1015.00**

Antennas and more accessories for Marti TSL Systems are available. Call CROUSE-KIMZEY for pricing.
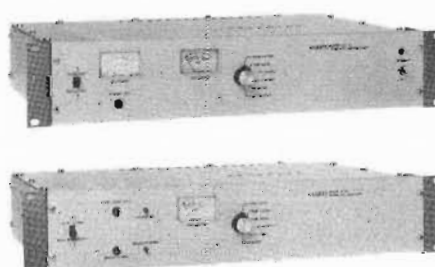
MARTI ELECTRONICS STL

Marti offers cost effective performance and reliability and has supplied thousands of STL systems worldwide over the past twenty years.

STL-10 Transmitter 10 watt with crystal and tuned to frequency.
  (please specify) **$1450.00**
ATS-10 Automatic Transmitter Switcher **417.00**
RMC-10 Transmitter Remote Control . . **315.00**
HRC-10 Transmitter Combiner **249.00**
R-10/950 Receiver with Crystal, tuned to frequency. (please specify) **1345.00**
**ASO-200C** Receiver Switcher **215.00**
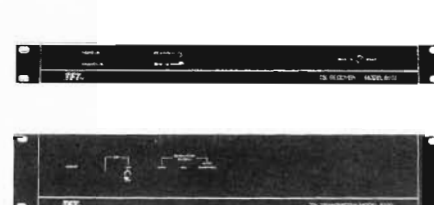
TFT TSL (TRANSMITTER TO STUDIO LINK)

This solid-state 450 MHz radio is ideally suited for telemetry return links and other applications requiring a 300-3,000 Hz audio channel. S/N is better than 20dB with a 1 microvolt signal at the receiver. Transmitter output is greater than 4 watts with ±5kHz FM deviation.

Both the transmitter and receiver are 19" rack mountable having a 1¾" for receiver front panel and 3½" for the transmitter front panel. A Morse code identifier is available as an optional feature.

Model 8100 450 MHz Transmitter - Studio Voice/Data Link. Specify
  FCC Group P frequency **$3995.00**
Option 01 Automatic ID **295.00**

"PACKAGE DISCOUNTS ARE AVAILABLE"
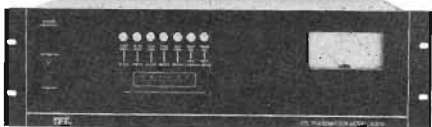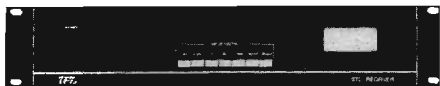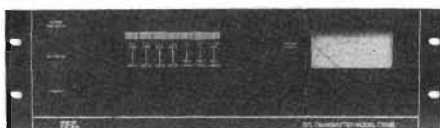
TFT STL SYSTEM

The TFT 77008 is a cost effective STL system available as a composite, mono, and dual mono system (hot standby is available in all configurations). Two additional subcarriers can also be inserted in addition to the main and stereo channels.

System A Series 7700
All solid state composite transmitter and receiver with power supplies, crystals tested on operating frequency.
(please specify) **$6,715.00**

System B Series 7700
All solid state composite transmitter and receiver with "hot" standby transmitter and receiver with 7770/7773 automatic switcher including power supplies, crystals tuned to operating frequency.
(please specify) **$14,895.00**

System C Series 7700
All solid state single channel transmitter and receiver including power supplies, crystals tested on operating frequency.
(please specify) **$6,350.00**

System E Series 7700
All solid state dual mono transmit and receive system. Power supplies, crystals tested on operating frequency (please specify). System requires 3 antennas (2 transmit, 1 receive, power divider is included, transmitter combiner is an option for 2 antenna operation) **$12,700.00**

TFT STL SYSTEM

The 8300 TFT STL is specifically designed for congested RF environments. This is a composite system with the RF carrier directly generated without multiplication, which is referenced to a stable crystal source. The transmitter output is fully protected and two additional FM carriers can be inserted into the baseband. The receiver features a surface acoustic wave filter (saw), a pulse counting discriminator, and selectable IF bandwidth. Fully automatic switchover to hot standby receiver or transmitter is also built in.

System A Series 8300
All solid state composite STL transmitter and receiver including power supplies, crystals tested to operating frequency.
(please specify) **$8,150.00**

System B Series 8300
All solid state composite transmitter and receiver with "hot" standby transmitter and receiver with 7770/7773 automatic switcher, power supplies, crystals tested to operating frequency.
(please specify) **$17,765.00**

TFT STL ASSOCIATED EQUIPMENT

7700	Transmitter, only	**$3475.00**
8300	Transmitter only	**4250.00**
7707	Composite Receiver, only	**3275.00**
8301	Composite Receiver, only	**4050.00**

7705 Monaural Receiver, only	**2925.00**
7770 Transmitter Automatic Changeover Unit, with coaxial changeover relay, and three-foot interconnecting cables to transmitter .	**815.00**
7773 Receiver Automatic Changeover Unit, with RF power divider, and three foot interconnect cables to receivers	**760.00**
Option 15 Stereo demodulator module, for 8301, 7707, 7713, or 7723 receivers	**400.00**
Option 16 Extended Baseband Response permits composite STL to convey 92kHz SCA channel (not field installable)	**350.00**
SCA-01 Standalone Subcarrier Generator for data transmission (specify frequency)	**725.00**
SCA-02 Standalone Subcarrier Detector for data transmission (specify frequency)	**725.00**
SCA-03 Standalone Subcarrier Generator and Detector for data transmission (specify frequency)	**950.00**
Non-standard frequency for 7700 Series (specify exact frequency desired). For transmitter/receiver pair	**230.00**
Non-standard frequency for 8300 Series (specify exact frequency desired). For transmitter/receiver pair	**260.00**
Option 04 Spare parts kit for 7700 Series, contains field replaceable parts	**305.00**
Option 01 Spare parts kit for 8300 Series, contains field replaceable parts	**420.00**

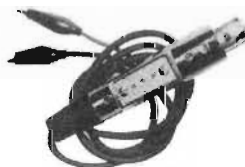# TELEPHONE INTERFACES ══════════ *Telephone Interfaces*

SYMETRIX TI-101 TELEPHONE INTERFACE

The Symetrix TI-101 is a console to telephone interface for talk shows, news gathering, production, etc. It employs a carefully engineered hybrid circuit which creates a maximum transhybrid loss, yielding effective isolation between your studio's send to the telephone line, and your caller return signal.

TI-101 .... **$495.00**

ESE TELEPHONE INTERFACE

The ESE 212 telephone hybrid was designed over a period of ten years. The special needs of broadcasters are met because the ESE 212 is not just another interface device. It is a broadcast instrument fully compatible with the requirements of fine audio.

ESE 212	**$995.00**
19" Front Panel..................	**100.00**

GKC TELEPHONE INTERFACE

TELE-COUP, a phantom powered microphone amplifier for use in telephone systems. The entire amp is constructed inside a Switchcraft T3F connector. By inserting it into any professional microphone whether dynamic type or condenser type having a 200 ohm impedance and a sensitivity of 100 microvolt, and connecting the other side of cable with the alligator clips to the telephone transmitter contacts, it directly replaces the carbon microphone.
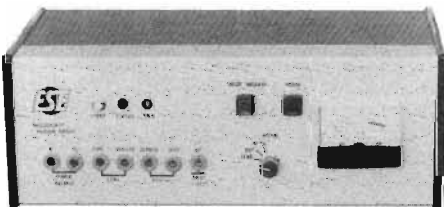
Model 200 Tele-Coup **$89.50**

GENTNER TELEPHONE INTERFACE

The Electric Hybrid, System SPH-4, is a self-contained telephone interface device designed to provide clean, clear phone audio for a variety of uses. Computer designed equalization before and after the telephone mix assures best hybrid performance and this finest telephone audio quality. A variety of features make this product the most versatile phone interface available.

SPH-4 .... **$699.00**

GENTNER MICROTEL TELEPHONE INTERFACE

Microtel is a portable, battery-operated telephone interface that may be used for a variety of applications. In its typical application, Microtel replaces the *handset* of the telephone to provide high quality audio for feeding and receiving information. It can also be used in a number of non-telephone applications.

Microtel........................$199.00

GENTNER TELEPHONE INTERFACE

The Gentner SPH-3A Phone system provides an easy, inexpensive method of interfacing broadcast equipment with an existing telephone system. Unlike a Speaker-phone, the Gentner system permits continuous send and receive audio. In addition, the caller can be monitored with an in-studio speaker without feedback. This eliminates the need for talent or guests to wear headsets. The SPH-3A is easy to use and install.

SPH-3A $499.00

R-COLUMBIA HANDS FREE TELEPHONE

The R-Columbia 6058/T is a complete electronic "touch-tone" telephone which operates directly into a modular telephone jack. It has a mic mute switch, auxiliary mic input, auxiliary headphone output for IFB use and a belt clip. Requires UL-85/M one ounce headphone/mic for true hands free operation. Also available with a pulse dial and 22-digit memory for last number re-dial. Optional alligator clip cord allows use with non-modular telephones.

Model 6058/T $149.95
Model 6085/P (for pulse dialing) 139.00
Model UL-85 Ultra light headphone
  microphone (specify headphone
  impedance when ordering) 129.95
Model UL-85/2M Listen only ¾ oz.
  headphone for IFB use 49.95
20X047 Alligator clip cord assembly .. 29.50
T-22 Multiple line tap permits use of
  6085/T(P) with multiple line key systems
  which use amphenol type connectors 49.95
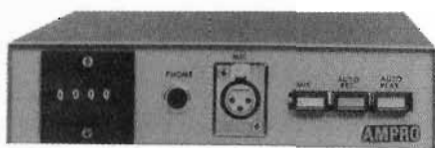
AMPRO/SCULLY PHONECON

The Ampro/Scully Phonecon is a flexible interface to allow tape equipment to be used in telephone answering and message recording applications. It has a built-in FCC approved and registered line coupler and will answer an incoming call and start a playback or record/playback cart machine. A front panel mounted call counter is included as is a microphone pre-amp to record new messages.
Phonecon $390.00

RUSSCO T112 TELEPHONE TO STUDIO EQUALIZER/COUPLER

The T112 is designed to go between your console and any standard telephone line. The interface improves the quality of your remote or talk show with a three-band equalizer to tailor the sound to your liking. There is also a 60Hz notch filter to reduce hum on the line. The T112 is proof that it does not cost much to bring quality to your telephone broadcasts.
T112 .... $386.00

GKC TELEPHONE INTERFACE

This compact, versatile phantom powered microphone-cassette amplifier with all integrated circuits is designed for the radio and TV news reporter who requires feeding a combination of live reporting and a cassette recording through telephone lines. Dimensions: 2¼"H, 1⅜"W, 1⅛"D.
Model 250 Tele-Coup $89.50

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CONTINENTAL U.S.
          800-433-2105
TEXAS
          800-792-8908
ALL OTHERS
          817-737-9911
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DBX 81W EXTENDED RANGE dBm METER

The DBX 81W is a portable extended range meter that makes noise and program level measurements simple and convenient. It covers the entire dynamic range of most program material on a single scale. The 81W has a unique circuit which provides true RMs readings on a scale of -70 to +10dBm (-30 to +50dBm is also available).
DBX 81W Portable Meter $275.00

POTOMAC INSTRUMENTS FIELD STRENGTH METERS

Potomac field strength meters have rapidly become the standard field test instruments. They incorporate a laboratory quality receiver, precision attenuator, and battery operation. There is a one-year factory warranty.

FIM-21 535-1605kHz $1950.00
FIM-71 45-225mHz 3825.00

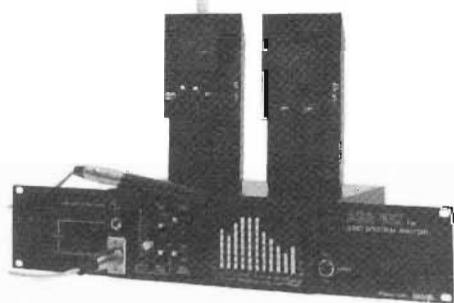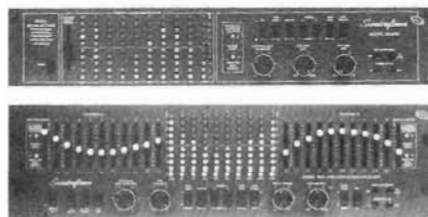Wood cases, antenna elements (FIM-71) and other accessories are available. Call CROUSE-KIMZEY for pricing.

CROWN RTA-12 REAL-TIME ANALYZER

The Crown RTA-2 is designed for audio range real-time spectrum analysis in ⅓ and full octave bands. All the sub-systems needed to perform quick accurate on-site equalization of sound reinforcement systems are included.
RTA-2 .... $2450.00
Accessories for RTA-2:
Field Case (holds RTA-2) $125.00
Shipping Case (holds field case) 150.00

SOUNDCRAFTSMAN DIFFERENTIAL/ COMPARATOR SCAN-ANALYZERS

The Soundcraftsman AS1000 and AE2000P Scan-Analyzers both incorporate a revolutionary real-time analysis system developed by Soundcraftsman called the Differential/Comparator Circuit. This circuit permits, for the first time, a degree of accuracy never before possible. The read-out is accurate to within 0.1dB. Both the AS1000 and AE2000P are designed and manufactured to easily meet the most demanding requirements .... at an unusually modest price.

AS1000 .... $549.00
AE2000P 699.00

GOLD LINE MODEL ASA-10 REAL TIME ANALYZER

The Gold Line ASA-10 real time analyzer saves you time by simplifying every step of the equalization process. A LED display instantly shows the sound characteristics of any performing or listening area. A hold mode freezes the info while you adjust your graphic or parametric equalizer.

The ASA-10C is a complete audio spectrum system contained in a 3½" rack mounting chassis. It is capable of displaying the quality of any audio system instant by instant as if it were a bank of peak reading VU meters with a separate meter for each octave.

It features an internal pink noise generator and a calibrated electret microphone. The microphone circuitry is phantom powered through the line from the jack on the front panel.

ASA-10 .... $269.95
ASA-10B (calibrated SPL) 339.95
ASA-10C 679.95
PN-2 pink/white noise generator 79.95
ASAC vinyl case for ASA-10 and ASA-10B . 17.95

AUTOGRAM T-8 FREQUENCY RESPONSE TEST SET

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. The eight audio frequencies transmitted are: 50, 100, 400, 1K, 2.5K, 7.5K, 10K Hz and are identified by a LED lamp display. Output level may be trimmed for "0" reading on panel VU meter. Three sets of output level terminals are provided on rear of unit: +8 @ 600 ohm, −10 @ 600 ohmn, and −50 @ 200 ohm.
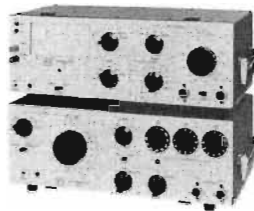
T-8 Response Test Set **$498.00**

RANE RA-27 REAL-TIME ANALYZER

The RA-27 is a complete ⅓-octave, single rack space analyzer system featuring a unique, easy-to-use three-color LED display, enabling very quick system alignment to within ± 1dB accuracy.

Model RA-27 . . . . **$469.00**

POTOMAC INSTRUMENTS BROADCAST TEST SYSTEM

The AT-51 Test System is invaluable for proof of performance or equipment maintenance. Both units are fully RFI shielded for measurements in high RF environments.

AT-51	Complete System (AA-51 & AG-51)	**$3575.00**
AA-51	Audio Analyzer, only	2125.00
AG-51	Generator, only	1875.00
IX-51	Balanced to Unbalanced Transformer	175.00

PACKAGE DISCOUNTS ARE AVAILABLE
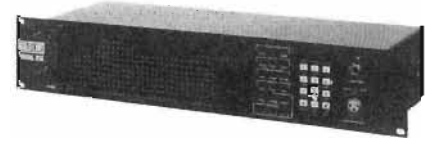
GOLD LINE REAL TIME ANALYZERS

The Gold Line Model 30 real time analyzer is a one-third octave analyzer with microprocessor technology that allows extreme accuracy, stability, and provides a powerful tool at a price below that of units with fewer features.

Gold Line Model 30	**$1895.00**
Line & Mic Inputs duplicated on rear panel (switch selectable)	100.00
Balanced Input (¼") on front panel . .	150.00
Balanced Input (XLR) on rear panel .	150.00
Variable Pink Noise Level	100.00
Printer Interface and Software	725.00

GOLD LINE MODEL LL-10 REAL TIME ANALYZER

The Model LL-10 is a real time audio spectrum analyzer that presents a 10-band real time display on any oscilloscope and has an additional self-contained LED readout. The LL-10 also has a built-in pink noise generator. The LL-10 is ideal for adjusting tape machines or other equipment as it displays the entire audio spectrum at once.

LL-10 . . . . **$339.95**

CROWN FM3 AM/FM TUNER

The FM3 is a true digital tuner incorporating the new Schotz noise-reduction circuit (SNR) which pulls in more stereo FM stations and clarifies previously unlistenable channels. Features include six AM and six FM presets, signal-strength LEDs, multipath indicator, and three-year warranty.

FM3 AM/FM Tuner **$795.00**

MARANTZ AM STEREO/FM RECEIVERS

Marantz offers four stereo receivers with Motorola AM stereo compatibility. Pricing shown includes the optional AMS40 plug-in Motorola adapter. Models SR840G and SR940G are supplied with wireless remote control.

SR440G	30 watts per channel	**$279.00**
SR640G	45 watts per channel	359.00
SR840G	70 watts per channel	529.00
SR940G	100 watts per channel	669.00

SOUNDCRAFTSMEN T6002

AM/FM stereo digital tuner with 7-AM, 7-FM station memory. Features include digitally-synthesized quartz PLL tuner, auto or manual station scanning, low profile, and rack mount panel.

T6002 . . . . **$299.00**

TO ORDER

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800-433-2105

TEXAS
800-792-8908

ALL OTHERS
817-737-9911

TECHNICS ST-G7

An AM/FM triple quartz digital DC construction tuner. Features include 16 stations random access preset memory, auto scanning, auto preset memory, signal strength readout in decibels, and reception quality display.

ST-G7 . . . . **$400.00**

Also available from Technics is the:

ST-G3 . . . . **$215.00**

TECHNICS SA-120

An AM/FM stereo receiver with 35 watts per channel, minimum continuous RMS into 8 ohms, both channels driven from 40—20,000Hz, with no more than 0.5% total harmonic distortion.

Technics SA-120 . . . . **$160.00**

Other Technics models available:

SA-150	AM/FM 25 watts	**$180.00**
SA-360	AM/FM/TV 40 watts	270.00
SA-460	AM/FM/TV 50 watts	320.00
SA-560	AM/FM/TV 70 watts	550.00

BROADCAST ELECTRONICS (QRK) 12C TURNTABLE

Features Include:
- Instant start (full speed in less than ⅛th revolution)
- Hysteresis synchronous motor
- Rugged construction, only 3 moving parts
- Rim drive assures minimum rumble, maximum starting torque
- Stereo rumble less than -38dB (exceeds NAB standards)

12C specify 2 or 3 speed **$350.00**
S-320 tone arm (pictured) **150.00**

TECHNICS SL-1200MKII TURNTABLE

Disco-type turntable with quartz-synthesizer controlled direct drive motor. 33⅓ and 45 rpm speeds, each variable by ±8% under quartz control. Aluminum diecast and heavy rubber base plus double-damped platter provide excellent isolation against feedback. High torque brings platter to 33⅓ rpm in 0.7 second. Pop-up light shines across record for easy cueing in low room light. Low effective mass (12 g), low-friction (7 mg) gimbal suspension tonearm with adjustable arm height. Wow and flutter 0.025% WRMS. Rumble -78 dB DIN B, -56 dB DIN A.

SL-1200MKII **$400.00**

TECHNICS SP-15 TURNTABLE

Quartz-synthesizer controlled direct drive turntable. Quartz synthesizer provides up to ±9.9% pitch change with digital readout. High torque brings platter to 33⅓ rpm in 0.4 second. Electronic/mechanical brake stops platter quickly. 33⅓, 45 and 78 rpm speeds, all variable by up to ±9.9%. Large, heavy platter, damped on both sides for resistance to resonance. Wow and flutter 0.025% WRMS. Rumble -78 dB DIN B, -56 dB DIN A.

SP-15 . . . . **$700.00**
Optional Turntable Bases:
SH-15B (rosewood or black) **280.00**
Pro Base **95.00**

TECHNICS SP-10MKIII TURNTABLE

Quartz-Synthesizer Direct-Drive Turntable. Ultra-low-speed brushless DC motor. Quartz-locked pitch control is adjustable in 0.1% increments up to ±9.9%. Wow and flutter is 0.015% WRMS. Rumble is -92dB (DIN-B). 16 kg cm starting torque. Electronic and mechanical braking provide rapid speed change and 0.3 second braking time. Platter reaches rated speed (33⅓ rpm) in 0.25 seconds.

SP-10MKIII **$1700.00**
Optional Turntable Base
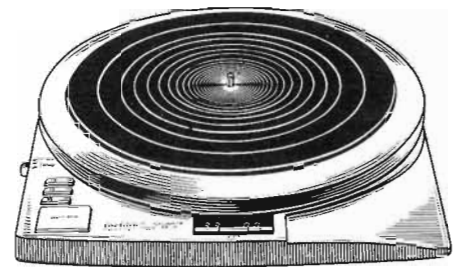SH-10B5 . . . . **800.00**

TECHNICS SP-25 TURNTABLE

Quartz-synthesizer controlled direct drive turntable. Quartz synthesizer permits up to ±6% continuously variable pitch control from 33⅓ and 45 rpm. 1.5 kg•cm starting torque brings platter to 33⅓ rpm in 0.7 second. Electronic braking system. Large platter, damped on both sides. Wow and flutter 0.025% WRMS. Rumble -78 dB DIN B, -56 dB DIN A.

SP-25 . . . . **$400.00**
Optional Turntable Bases:
SH-15B (rosewood or black) **280.00**
Pro Base **95.00**

TECHNICS SP-10MKIIA TURNTABLE

Quartz-Controlled Direct-Drive Turntable. Phase-locked servo circuit with Quartz crystal for supreme precision (0.002% speed drive). Ultra-high start-up torque brings platter to full speed in 0.25 second (25° rotation). Electronic reverse-current braking stops platter in 0.3 second (30° rotation). 33⅓, 45 and 78 rpm speeds with electronic switching. Built-in strobe lamp with Quartz-controlled oscillator. Wow and flutter = 0.025% WRMS. Rumble = -70dB DIN B, -50dB DIN A.

SP-10MKIIA **$1100.00**
Optional Turntable Base
SH-10B3 . . . . **520.00**

RUSSCO STUDIO PRO AND CUE MASTER TURNTABLES

Studio Pro 2-speed **$479.00**
Cue Master 3-speed **425.00**

RUSSCO MARK V TURNTABLE

Russco Mark V **$562.00**

RUSSCO RT-700

Russco has designed the only American-built direct drive turntable. Features include all aluminum construction, full speed with backcue of 1½", speed locked by crystal reference, built-in 45 rpm adapter, removeable tone arm mounting plate, and remote control capability.

Model RT-700 . . . . **$850.00**

CROUSE-KIMZEY STOCKS MANY ITEMS READY FOR IMMEDIATE DELIVERY!
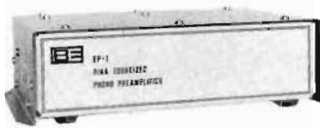
BROADCAST ELECTRONICS TURNTABLE PRE-AMPS

EP-1 stereo $385.00
EP-2 stereo w/transformer output 400.00

SHURE M64 STEREO TURNTABLE PRE-AMPS

Shure M64 .... $99.00

STANTON 310 STEREO TURNTABLE PRE-AMP

Model 310 .... $190.00
Model 310 w/active balanced outputs 225.00

AUDIOMETRICS TP-84 STEREO TURNTABLE PRE-AMP

TP-84 .... $275.00

RAMKO TURNTABLE PRE-AMPS

Model P93M mono.................... $208.00
Model P93S stereo 222.00
Options:
Model F rumble filter 32.00
Model P-RM single or dual rack mount 10.00

RUSSCO FIDELITY MASTER & FIDELITY PRO SERIES TURNTABLE PRE-AMPS

Model FMMU Fidelity Master - mono
output unbalanced 600 ohms $154.00
Model FMMB Fidelity Master - mono
output balanced 600 ohms 184.00
Model FMSU Fidelity Master - stereo
output unbalanced 600 ohms 238.00
Model FMSB Fidelity Master - stereo
output balanced 600 ohms 295.00
Model FPMU Fidelity Pro — mono output
unbalanced 600 ohms $172.00
Model FPMB Fidelity Pro - mono output
balanced 600 ohms 205.00
Model FPSU Fidelity Pro - stereo output
unbalanced 600 ohms 257.00
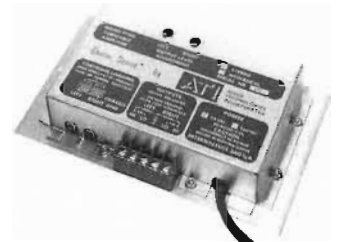**Model FPSB** Fidelity Pro - stereo output
balanced 600 ohms 309.00
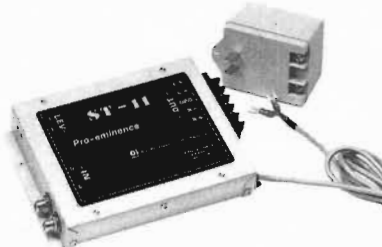
MICRO-TRAK TURNTABLE PRE-AMPS

ST-11 stereo $169.50
Also available from Micro-Trak — 6400 Series:
Model 6410 mono $189.00
Model 6411 stereo 229.00

RADIO SYSTEMS PA-1 PRE-AMP

PA-1 Stereo $275.00

ATI ENCORE SERIES TURNTABLE PRE-AMPS

P100M +18dBm, active balanced,
mono $199.00
P100S +18dBm, active balanced,
stereo 219.00

Also available from ATI — Micro-Amp Series:
P1000-1 transformer outputs, stereo ... $345.00
P1000-2 balanced differential outputs,
stereo 345.00
P1000-3 unbalanced outputs, stereo .. 325.00

UREI 1122 STEREO TURNTABLE PRE-AMPS

UREI 1122 .... $366.00

STANTON SP-98 PRE-PREAMPLIFIER

Pre-preamplifier for low impedance cartridges:
The Stanton SP-98 Pre-Preamplifier was designed to amplify signals delivered by low output low impedance moving coil cartridges as well as low impedance moving magnet cartridges such as the Stanton "LZS" series.

The SP-98 is a battery operated device and uses two alkaline 9-volt batteries. Total power consumption is approximately 150 microamperes per channel, which is negligible.

The unit works well with the Stanton 981LZS moving coil cartridge ($145.00).

Stanton SP-98 .... $99.00

≡≡≡≡≡≡≡≡≡≡≡ *Tone Arms*

MICRO-TRAK TONE ARMS

Model 303 12" $129.50
Model 306 16" 169.50

RUSSCO RTA-12 TONE ARMS

RTA-12 .... $174.00

TONE ARMS

Model S-8A (S-220) $95.00

AUDIO TECHNICA ATP-12T TONE ARMS

ATP-12T $175.00

AUDIO TECHNICA AT-1010 TONE ARMS

AT-1010 .... $375.00

Phono Cartridges ═══════════════════ TURNTABLES

Pop & Click Filter

STANTON PHONO CARTRIDGES AND STYLI

500AL	cartridge	$15.75
D5107AL	stylus	7.20
500A	cartridge	15.75
D5107A	stylus	7.20
500E	cartridge	18.38
D5100E	stylus	11.50
500A-MKII	cartridge	15.75
D50A	stylus	7.20
600A	cartridge	24.20
D6071A	stylus	12.15
600E	cartridge	26.55
D6004E	stylus	15.00
681A	cartridge	55.00
D6807A	stylus	19.40
681SE	cartridge	60.00
D6800SE	stylus	23.40
681EEE	cartridge	72.00
D6800EEE	stylus	27.00
881S	cartridge	110.00
D81S	stylus	45.00
981LZS	moving coil	145.00
D98S	stylus	60.00
L500AL	"P" mount	22.00
D57PAL	stylus	11.50

RECORD CARE PRODUCTS AVAILABLE FROM STANTON

RC5	Plus Record Cleaner	$16.95
RC5	Plus 8 Ounce Refill	9.50
RC5	Plus 2 Ounce Refill	5.95
SC4	Mini Stylus Cleaning Kit	7.59
Stylus Cleaning Fluid, 1 Ounce		2.50

SHURE PHONO CARTRIDGES AND STYLI

M44-7	cartridge	$22.95
N44-7	stylus	12.95
M44C	cartridge	22.95
N44C	stylus	12.95
M44E	cartridge	23.95
N44E	stylus	14.50
SC35C	cartridge	34.95
SS35C	stylus	14.95
SC39B	cartridge	49.95
SS39B	stylus	19.95
V15 V-B	cartridge	195.00
VN5HE	stylus hyperelliptical	95.00
VN5MR	stylus micro-ridge	109.00
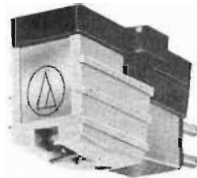
AUDIO TECHNICA PHONO CARTRIDGES AND STYLI

ATP-1	cartridge	$45.00
ATP-N1	stylus	25.00
ATP-2	cartridge	60.00
ATP-N2	stylus	35.00
ATP-3	cartridge	80.00
ATP-N3	stylus	50.00

SAE POP AND CLICK FILTER

The SAE 5000A impulse noise reduction system eliminates "clicks" and "pops" which are present in phonograph records and other program sources with no adverse effect on the quality of the recorded material.

Model 5000A $199.00

Remote Controller

HENRY MFG. REMOTE TURNTABLE CONTROLLER

A control interface unit that adds full remote control to Technics SP-10MKII, SP-15, SP-25, and SL-1200MKII turntables. It converts the turntable's "single button" control logic so that *separate* START and STOP switches can be used to operate the turntable. The unit also provides outputs to drive 24vdc tally lamps for RUN and STOP mode indication. The turntable's start/stop switch can still be used for cueing records, and the Universal Turntable Controller will *always* remain "in sync." It easily connects to the turntable with just three wires, and may be controlled by either momentary switches or CMOS circuitry. One unit will control two turntables.

Remote Turntable Controller $180.00

Weather Instruments ═══════════ WEATHER INSTRUMENTS
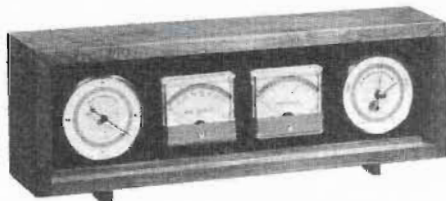
TEXAS ELECTRONICS WEATHER INSTRUMENTS

Texas Electronics offers a high degree of accuracy, rugged construction and long trouble-free service. These instruments are in use throughout the world at a moderate cost.
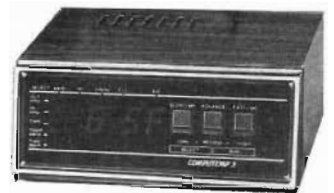
WEATHERMINDERS

Mark III (shows barometric pressure, wind speed, wind direction)	$554.00
Mark IV-T (shows barometric pressure, wind speed, wind direction, temperature	791.00
Mark V (wind direction, wind speed, digital temperature, rainfall)	1038.00

Call for pricing or literature on other Texas Electronics equipment

RODCO COMPUTEMP 3 WEATHER INSTRUMENT

The Computemp 3 uses a microcomputer chip and solid state circuitry to give you accurate and reliable time and temperature information. Standard battery back-up retains the time and memory functions during power outages. Features include indoor temperature, outdoor temperature, time of day and alarm, temperature memory, and temperature alarm.

Computemp 3 . . . . $72.95

AUDIO-TECHNICA PORTABLE MIXER/RECORDER

The AT-RMX64 is a versatile portable studio with six input channels, electronically balanced low impedance inputs, and 48V phantom power. There's full provision for outboard signal processing and patch connections for every input. Several mixes may be made at the same time and the output level is to +18dBM to drive most power amps, telephone lines, etc. The built-in cassette recorder records at 1⅞ or 3¾ for excellent fidelity. The recorder also plays and records in conventional 2-track stereo or 4-tracks in line for maximum creativity. ±15% speed adjustment and Dolby B or C are also provided.

AT-RMX64 . . . . $1495.00

MICRO-TRAK CONSOLE

The new Micro-Trak IIXL-10 console and its smaller companion, the IIXL-5 are VCA consoles with electronically balanced transformerless inputs. FET input and BUS selection is also standard. Waters whisperglide linear faders are used. The outputs are also electronically balanced and a 10-watt monitor amp is built in.

IIXL-5 (five channel) $2995.00
IIXL-10 (ten channel) 4750.00

AVL SYSTEMS SOUND TREATMENTS

The AVL Acoustech wall and ceiling treatments help create an interior space that is truly an acoustically controlled environment. By absorbing up to 99% of the sound energy that strikes them, this product is one of the most effective available. Acoustech treatments are available in an array of colors and textures and the fabric coverings are durable, easy to clean, and colorfast to both wet and dry cleaning procedures. All 1" products have an "R" factor of 4.5 and the 2" have an "R" factor of 9.0 giving extra insulation. All Acoustech treatments have a Class "A" fire hazard classification per ASTM E-84.

1" Acoustech panels (5 - 2'x4' panels) $380.00
2" Acoustech panels (5 - 2'x4' panels) 432.00

NOTE: Other AVL sound treatment products are available ... please call for pricing and information.
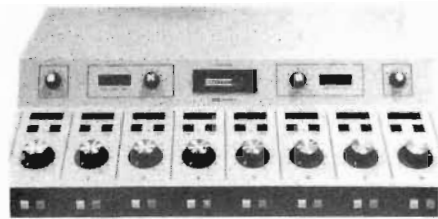
LPB ALPHA SERIES AUDIO CONSOLES

The new LPB Alpha-series broadcast audio consoles are designed to be cost effective, yet completely "state-of-the-art." VCA level control and DC solid-state switching keep the audio signal path short to virtually eliminate signal degradation through the console.

Three inputs per mixer, user-programmable monitor and cue muting, transformerless design (output transformers optional), mono mixdown output, built-in 8-watt per channel monitor amplifier, headphone and monitor switching, +8dBm/600 ohm auxiliary outputs, all input plug-ins capable of mic or line level, screw barrier terminal input and output connections, long-life pushbuttons, LED status indicators, fluorescent level meters, 15dB output headroom above +8dBm, momentary remote start pushbuttons, tally contacts and ease of studio interconnection all add up to make these stereo consoles a superior value.

Signal to noise is better than 75dB below +8dBm output, and both intermodulation and total harmonic distortion are well below 0.1%.

6 Channel Stereo $2795.00
8 Channel Stereo 3795.00
10 Channel Stereo 4795.00

RUSSCO REMOTE MIXER

The Russco Telemote 321 is a 3-channel remote mixer in a compact 3-pound package. It's powered from the phone line requiring no batteries. The 321 accepts two low impedance mics and one medium level tape recorder. It will power three sets of headphones and there's an input for a portable radio for off-air monitoring. The built-in limiter assures the level going back to the station is always accurate.

Telemote 321 . . . . $550.00

RUSSCO DISTRIBUTION AMPLIFIER

The Russco DA2816 distribution amplifier gives you a total of 16 outputs fed by two balanced line inputs that can be fed by a single audio source or separated and fed by two audio sources. It features two sections of 8 outputs each. Each section is fed by a single balanced line. The DA2816 delivers plus 18dBm into a 600 ohm line and outputs can be screwdriver adjusted.

Model DA2816 . . . . $440.00

RUSSCO IMPEDANCE MATCHING INTERFACE

The Russco IMD-24 allows interfacing of consumer-type tape recorders and cassettes to professional studio equipment. Gain on incoming and outgoing channels can be adjusted easily with a screwdriver.

Model IMD-24 . . . . $225.00
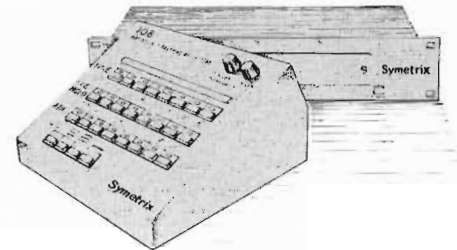
SYMETRIX BROADCAST TELEPHONE SYSTEM

The Symetrix Model 108 Broadcast Telephone System is a microprocessor based telephone interface designed specifically for broadcast use. The 108 allows the broadcaster to interface his on-air mixing console to up to eight incoming telephone lines for talk shows, news broadcasts, or any other telephone-air applications.

The 108 is essentially a stand-alone electronic telephone system which interfaces directly to incoming telephone lines via standard RJ-11 ("modular") connectors.

The basic 108 system consists of two modules: a rack mount controller unit and remote desk module. The system also supports a second (optional) desk module for use by a call director or another on-air studio.

All system control is performed by the desk module. The system may be used in conjunction with a user provided 2500 telephone (standard desk set) or in a "hands free" fashion. All lines may be seized, routed, and released by buttons on the 108 desk module. The control functions for each incoming line include seize, release, transfer to hold, transfer to cue buss, and transfer to air. In addition, callers on air (up to six at once) constitute a group which may be transferred to the off-air cue buss, to hold, or back to air again by single keystrokes. A "profanity button" momentarily mutes all callers and at the same time enables a momentary relay in the controller module which may be used to trigger the "dump" function of an external broadcast digital delay line. The desk module also includes a caller monitor gain control and output jack, and an audible ring indicator which may be disabled if so desired.

The Symetrix 108 is scheduled for production in August, 1985.

The Symetrix 104 is designed for broadcast and teleconferencing applications. It connects up to four incoming telephone lines via standard RJ-11 connectors. Up to four callers may be conferenced "on air" at once. An output jack and gain control on the desk module provide caller monitoring via headphones or 25 ohm speaker. An audible ring indicator in the desk module may be muted if so desired.

Model 108 . . . . $2250.00
Model 104 . . . . 1250.00
Desk Module 350.00

ANCHOR SYSTEMS POWERED SPEAKER

The Anchor AN-1000 is a powered monitor speaker with 50 watts of power in a very small package 5¼"x8"x7¾". Frequency response is ±4db, 70Hz - 15KHz with a total harmonic distortion of less than .1%. Weight is 11½ lbs.

Model AN-1000 . . . . $269.00

TASCAM CASSETTE DUPLICATORS

The TASCAM TS-2640 master/slave cassette duplicator system features 8 to 1 copy speed. Also available is the slave expander which provides two additional slave cassette transports.

TS 2640-MS master/slave $1995.00
TS 2640-2S slave/slave 1995.00

TFT 850 BTSC TV STEREO AURAL MODULATION MONITOR

The TFT Model 850 is capable of measuring and analyzing the necessary parameters of the BTSC stereo signal. Total modulation, stereo channel, or main channel are constantly monitored. With the distortion analyzer option, full EIA BTSC monitoring and measurement requirements can be made by sampling an RF signal from the aural transmitter. A frequency synthesized-type FM modulation calibrator is built in to calibrate the modulation meters and peak flashers.

Model 850 .... **$ 9,995.00**
Model 850 w/distortion analyzer ... **12,995.00**
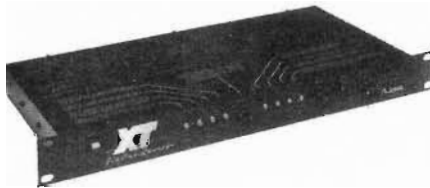
ALESIS DIGITAL REVERB

The Alesis "XT" is a cost effective digital reverb that will add immeasurably to your production. With adjustable decay time and various front panel switch selectable features, the XT offers effects of digital effects boxes costing twice as much. Extremely clean, the XT will in no way degrade your system, no matter the cost or complexity.

Alesis XT **$795.00**
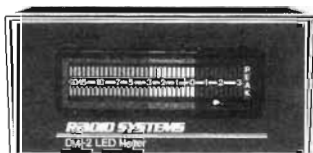
RADIO SYSTEMS METERS (LED)

The Radio Systems Stereo LED Meters are now packaged for stand alone use. Previously available only on their console, these meters are tri-colored and switchable for peak or VU indication. One double sized segment lights and holds to display audio peaks. Internal, independent level sets are provided for left, right, and peak hold channels. Each meter is made up of 18x2 green LEDs that read to -3VU, 10x2 yellow that read to 0VU, 10x2 red to +3 and one peak hold LED for a total of 73 LEDs.

DM-2B meter on bracket with power
    supply/amplifier/bracket and
    bezel for custom installation .. **$325.00**
DM-2 in enclosure self-contained
    in table top box **375.00**
DM-R1 single meter in rack mount **355.00**
DM-R2 dual meter in rack mount **695.00**
DM-R3 three meters in rack mount **995.00**
DM-R5 five meters in rack mount **1196.00**

TFT 8500/8501 BTSC STEREO COMPOSITE SUBCARRIER GENERATOR/DEMODULATOR

The TFT Model 8500 and 8501 is a composite subcarrier modulator while the 8501 is the companion demodulator. The system can transmit the entire BTSC TV audio signal, including stereo, SAP, professional channel and remote control channel on one video microwave subcarrier from the studio to the transmitter site.

8500 System **$5995.00**

SONY LAVALIER MICROPHONES

Sony introduces a new generation of electret condenser lavalier microphones. Peformance has been improved dramatically as represented by the wide 40-20,000Hz frequency response of the top-of-the-line ECM-77S/77B. In addition to the clarity characteristic of the lavalier microphones, all models feature added body and brilliant midrange to meet contemporary sound requirements in pro recording. There are three models each finished in either black or satin nickel plating. The ECM-77S/77B is the smallest and lightest. The ECM-66S/66B is Sony's answer to the specific demand for a uni-directional lavalier microphone, while the ECM-55S/55B incorporates the standard 10.66mm omni-directional capsule for extra versatility.

ECM-77S	satin	**$290.00**
ECM-77B	black	**290.00**
ECM-66S	satin	**275.00**
ECM-66B	black	**275.00**
ECM-55S	satin	**235.00**
ECM-55B	black	**235.00**

GENTNER EFT-1000 EXTENDED FREQUENCY TRANSCEIVER

The Gentner EFT-1000 extended frequency transceiver will improve the sound of your telephone remotes. The EFT-1000 recovers the low frequencies lost on telephone lines. Internal couplers eliminate the need for additional Telco equipment. Among the features are automatic answer/disconnect and encode/decode. Aphex™ enhanced receive audio assures excellent receive audio quality. The versatility of the EFT-1000 makes it an ideal telephone coupler for encoded or non-encoded sources.

EFT-1000 .... **$1899.00**
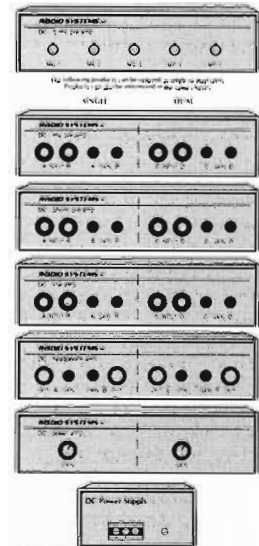
RADIO SYSTEMS DC-X SERIES AUDIO AMPLIFIERS

The Radio Systems DC Series is a series of high quality, inexpensive audio amplifiers which utilize external DC power supplies. The amplifiers include a 5-channel mic pre-amp, dual or quad mic pre-amps, phono pre-amps, impedance/level matching units, headphone amps, and mono/dual stereo power amps. The power supply will run multiple DC units and is available in an under-counter mount box, rack mounted, or a dual supply hot standby unit.

DC-5	Mic Pre-Amp (5CH)	**$325.00**
DC-	Mic Pre-Amp (2CH/4CH) .	**118.00/188.00**
DC-	Phono Pre-Amp (2CH/4CH)	**98.00/148.00**
DC-	Line Amp (2CH/4CH)	**98.00/148.00**
DC-	Headphone Amp (2CH/4CH)	**98.00/148.00**
DC-	Power Amp 10 Watt (mono/dual stereo)	**98.00/148.00**
DC-	Power Supply	**98.00**
DC-	Dual Power Supply w/Hot Switchover (rack mount) .	**265.00**

WILKINSON FM EXCITER

Wilkinson/ITC introduces its Model "X" frequency synthesized FM exciter. The level of performance has been achieved by using simple, straight-forward design such as the elimination of any 60Hz components from the entire chassis. The typical THD and IMD is less than .005% and the FM signal to noise is better than -95dB. Typical frequency response is within .025dB from 20Hz to 100kHz. Five sub-carrier inputs are standard and the exciter is completely broadband with no tuning adjustments. This frequency synthesized exciter (in 2.5kHz steps from 76-108) is backed by 24-hour service. It has a full 30-watt output, full metering, and remote control allows you to use the Model "X" as a stand alone transmitter. The Model "X" requires either the "XP" or "XPR" 28V 5-amp power supply when not used in a Wilkinson/ITC Series 8090 transmitter.

Model "X" exciter **$5850.00**
"XP" power supply **150.00**
"XPR" power supply (rack mount) ... **150.00**

BELAR TV MODULATION MONITORS

BELAR has introduced an entirely new series of aural monitors for Television Stereo Broadcasting.

Utilizing BELAR's flexible, separate-chassis packaging, the new models are the TVM-100 Modulation Monitor (Baseband) which may be used for current mono monitoring, as well as providing a demodulated composite signal to the TVM-200 Stereo Monitor and TVM-300 SAP/PRO Monitor.

Designed to conform with the latest EAI/BTSC recommendations, the new series of monitors offer automatic modulation calibration for mono and stereo modes, PPM and standard semi-peak metering characteristics, split and quasi-parallel RF inputs and a digital deviation display. Two independent auto-ranging meters are provided for complete test and measurement of the stereo signal, along with full-time metering of the L + R and composite signals. The Model TVM-200 utilizes a professional DBX decoder card for precise stereo tracking.

Information and pricing for the TVM-300 will be released shortly. The current model TVM-2A/3A Frequency Monitors continue to be available and readily interface with the new monitors.

TVM-100 . . . . $2495.00
TVM-200 . . . . 3995.00
TVM-300 . . . . tba

ORBAN OPTIMOD-TV SAP GENERATOR

A high-performance audio processor and BTSC-Standard Second Audio Program Generator for TV Multichannel Sound. Orban's new 8182A/SAP was designed from the ground up for SAP—it's not a rehash of an FM SCA generator. The audio processing is essentially a single channel of Optimod-TV processing—but with 10kHz bandlimiting. This processing provides full "interband-referenced" multiband compression to prevent bass energy from modulating the midrange and a CBS automatic loudness controller because loud commercials are annoying regardless of which language they're in!

The SAP generator embodies a fresh approach to peak limiting which embeds extremely sophisticated distortion-cancelled clipping and overshoot control within the dbx compandor. The payoff is very high average modulation without any need to overcompress and "squash" the signal. This makes best use of the very marginal signal-to-noise ratio available from the basic SAP subcarrier while simultaneously assuring complete integrity of the baseband spectrum.

Model 8182A/SAP . . . . estimate $4995.00

PRODUCT ADDITIONS ══════════ *CROUSE-KIMZEY*
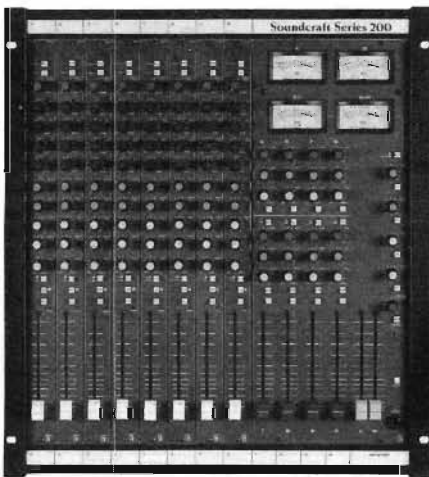
SOUNDCRAFT STEREO MIXERS

The Soundcraft Series 200 are a range of high quality portable stereo mixers available in 8, 16, or 24 channel sizes. The 8-channel is ideal for location recording and is rack mountable in a standard 19" rack. The console is modular for easy field repairs. A 4-band equalizer gives simple but effective control over the audio spectrum. Each input module features four auxiliary sends for monitoring or effects. Despite its low price, the Series 200 gives low noise and distortion free performance expected from more expensive mixers. Pricing includes separate power supply.

Model 8/4   8-channel $1995.00
Model 8/4R 8-channel rack mount . . 1995.00
Model 16/4 16-channel 3250.00
Model 24/4 24-channel 4500.00

Other Soundcraft models are available from CROUSE-KIMZEY, please call for details.

LEXICON DIGITAL REVERB

The PCM-60 is a studio quality reverb priced within the reach of all stage performers, clubs, 8-track studios and production houses. The PCM-60 provides clean, natural reverb enhancements that are the choice of the world's leading studios and entertainers. The PCM-60 has two reverb programs from which you can quickly produce over 100 distinct and useful reverberation effects. Four size and reverb selections are included for each program.

PCM-60 . . . . $1495.00

AUDIO + DESIGN
PORTABLE TIME-CODE READER

The portable time-code reader from Audio + Design fulfills the need for a simple economic and accurate time-code reader. The unit is completely portable having up to 2000 hours life from 4 AA batteries. The reader also has an output through which the time-code can be returned to its source "cleaned-up." The LCD display may be lit for approximately 20 seconds by pressing the illumination button. When the unit is connected to an external supply, the display is continuously illuminated.

TCR1-L (with lights) $595.00
TCR1-N (without lights) 495.00

LEXICON DIGITAL DELAY PROCESSOR

The PCM-42 adds many new sophisticated features including very long delay capacity and a synchronizing metronome/clock to bring new possibilities to any artist. Super long delay times of up to 4.8 seconds are available with the memory option. An accurate delay readout shows the exact amount of delay in effect at any time. Input overload protection eliminates harsh digital clipping. The PCM-42 also has versatile patching to connect the PCM-42 to other processing gear for exciting multi-processed effects.

PCM-42 (2400ms Delay) $1000.00
PCM-42 (4800ms Delay) 1235.00

LEXICON DIGITAL DELAY PROCESSOR

The Lexicon PCM-41 is an 800ms delay with PCM digital encoding that provides full audio performance. A full repertoire of effects are possible including automatic double tracking, flanging, vibrato/tremolo, arpeggio, doppler pitch shift, slap echo and infinite repeat to name a few. The extensive delay capabilities give PCM users great latitude and flexibility for their money.

PCM-41 . . . . $715.00
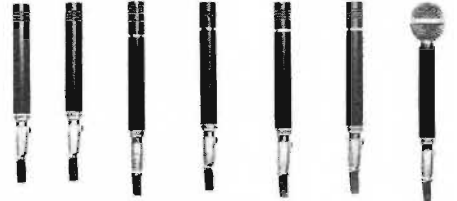
CALREC MICROPHONES

The Calrec range of British-made condenser microphones has been evolved and perfected over the last 20 years. Construction throughout is of brass and stainless steel. The capsules have a light, aluminum coated polyester diaphragm producing a very smooth, virtually flat frequency response and an excellent transient response. This combination produces high quality microphones which are immune to heat, damp, mechanical shocks and are extremely reliable.

Call for pricing on your requirements.

SONY APR-2003 PORTABLE TAPE RECORDER

The APR-2003 is a two-channel portable open reel tape recorder with a center track for time code or pilot signal. Two speeds 7½ and 8¾ with quartz lock servo motors keep the speed accurate. Balanced XLR connectors for mic line and time code inputs are on the side panel. Dolby "A" connections are also provided.

APR-2003 . . . . estimate $2950.00
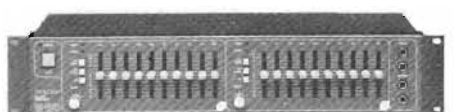
TASCAM GRAPHIC EQUALIZER

The GE-20B is a 2-channel graphic equalizer with 10 straight-line controls per channel.

Model GE-20B $230.00

CROUSE-KIMZEY CO.

3507 WEST VICKERY
FORT WORTH, TX 76107
(817) 737-9911

CREDIT APPLICATION

BILL TO:

EXACT NAME _____
DIVISION or
SUBSIDIARY _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE NO. (_____) _____

SHIP TO:

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

ATTN: _____

PHONE NO. (_____) _____

GENERAL BUSINESS INFORMATION

TYPE OF BUSINESS _____

D.B.A. ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ CORPORATION

YEARS IN BUSINESS _____ YEAR OF INC. _____ STATE OF INC. _____

Officer's Name   Title

_____   _____

_____   _____

ARE YOU SALES and/or USE TAX EXEMPT?
☐ YES—If Yes, please insert your certificate no. below
☐ NO

CERTIFICATE NO. _____

ACCOUNTS PAYABLE CONTACT

NAME _____

PHONE NO. (_____) _____ Ext. _____

BANK REFERENCE

BANK NAME _____

CITY _____ STATE _____ ZIP _____

CHECKING ACCT. NO _____ SAVINGS ACCT. NO. _____

OFFICER HANDLING _____

PHONE NO. (_____) _____

OTHER _____

BUSINESS CREDIT REFERENCE LIST MINIMUM OF THREE

NAME	ADDRESS, CITY, STATE, ZIP	PHONE NO.
1)		(___)
2)		(___)
3)		(___)
4)		(___)

A finance charge of 1½% per month (APR 18%) will be charged on any account that remains unpaid after 30 days. Title of goods shall not pass until the purchase price is paid in full.

We certify that all the information on this form is correct; and that we fully understand your credit terms and agree to the proper payment in consideration of extended credit.

OFFICER OF BUSINESS (signature) _____

Date _____ 19___ (title) _____

CROUSE-KIMZEY CO.
3507 WEST VICKERY
FORT WORTH, TX 76107
(817) 737-9911

GENERAL POLICIES

ORDERING: When ordering by phone, please use our toll-free number 800-433-2105 if in the continental United States. Texas customers can use 800-792-8908. Alaska and Hawaii customers can reach us at 817-737-9911. Collect calls will not be accepted. One of our salespersons can take your order Monday through Friday, 8:30 a.m. to 5 p.m., Central Standard Time. To avoid order duplication, written confirming purchase orders must be marked "CONFIRMING."

When ordering by mail, please address purchase order to 3507 West Vickery, Fort Worth, TX 76107. Inlcude your street address as well as post office box. Texas customers must include Texas state sales tax. Texas customers who are tax exempt must supply a tax exemption certificate. Freight charges will either be billed and due payable within 10 days of receipt or equipment will be shipped freight collect. Orders are not deemed acceptable until acknowledged by Crouse-Kimzey Co.

CREDIT: Our terms are net 30 days from date of invoice. These terms are based on the shipping date for each item or our invoice date . . . whichever is later. Crouse-Kimzey Co. reserves the right to bill for equipment as it ships unless other arrangements are made prior to sale. A finance charge of 1½% per month (APR 18%) will be charged on any account that remains unpaid after 30 days. Title of goods shall not pass until the purchase price is paid in full. Frequency dependent orders require a 20% down payment and must be confirmed in writing. C.O.D. orders require a 20% down payment unless customer is established and approved by Crouse-Kimzey Co. C.O.D. orders to individuals must be paid by cash or certified check. To establish credit, please contact our bookkeeping department at (817) 737-4433 and request a credit application or fill out the application on the reverse and return to Crouse-Kimzey Co. Leasing plans are available from several leasing companies.

PRICES: Prices listed are subject to change without notice. Most prices are suggested manufacturer's list and are for reference only. Crouse-Kimzey Co. shall not be held liable for typing or pictorial errors in this catalog. "Package" discounts and other discounts are also available to accounts in good standing. Freight and handling charges are added to all shipments. Please note that some manufacturers charge extra for drop shipments in rush situations which will be added to your bill.

DAMAGED GOODS: We ship by United Parcel Service (UPS) whenever possible. Other methods include truck, air freight, bus, and parcel post. Please inspect all shipments and do not accept any which show obvious damage unless the truck driver has made a signed notation on the bill of lading as to the nature of the damage. If when the shipment is opened you notice concealed damage, then save all packing material and file a claim immediately with the carrier. Under present carrier regulations, it is your responsibility to report damage or loss.

RETURNS: Unused equipment authorized for return by Crouse-Kimzey Co. must have a return authorization number to ensure issuance of credit. Call Crouse-Kimzey Co. at (817) 737-9911 for your return authorization number. A restocking charge of 15% will be charged. All equipment must be returned freight prepaid and adequately insured by the customer. Crouse-Kimzey Co. retains the right to refuse to restock unused equipment later than 30 days after shipment.

SHORTAGES: To prevent shortages, please check all packing materials before discarding. All shipments from Crouse-Kimzey Co. will have a packing slip detailing the contents and a signature of the person who packed the shipment. All shortage claims must be made within five days of receipt.

TAXES: Texas sales taxes are collected by Crouse-Kimzey Co. where applicable. Companies that are tax exempt must furnish tax exemption certificates. All other taxes are the responsibility of the customer.

ORDER FORM

CROUSE-KIMZEY CO.
3507 WEST VICKERY
FORT WORTH, TEXAS 76107
(817) 737-9911

Mailing & Billing address:

Company name _____ Date _____

Attn: _____ Purchase order # _____

Address _____ P.O. Box _____

City _____ State _____ Zip _____

Signature _____ Phone (_____) _____

Qty.	Model	Description	Amount	Total

Please check the appropriate box:

☐ Check enclosed

☐ We have an account — bill us net 30 days

☐ Bill us net 30 days — credit application on reverse has been filled out.

Sub-Total	
(TX delivery only) 5⅛% tax	
Total	

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CROUSE-KIMZEY CO.
3507 WEST VICKERY
FORT WORTH, TX 76107
(817) 737-9911

CHIEF ENGINEER
KBMO-FM   6391
BOX 208   F
BENSON

        MN   56215