

Spotmaster[®]

**Tape Cartridge Machines
Audio Consoles
Studio Accessories**

BROADCAST ELECTRONICS INC.
— A FILMWAYS COMPANY —



APRIL 1, 1975

Table of Contents

Single Deck Cartridge Machines	1-6	Audio Processing and Distribution Amplifiers	18-19
Series 1000	1	Sound Britener CLE-500	18
Series 2000	1	Sound Britener CLE-FM	18
Series 3000	2	CLA 20/40A Compressor-Limiter Amplifier	19
Series 4000	3	ADIB Audio Distribution Amplifier	19
500D Series	4	BEM-10 Monitor Amplifier	19
THREE/70 Series	5		
Maintenance and Alignment Supplies	5	Studio Equipment	20-23
TEN/70 Series	6	Series 6000 Reel-to-Reel Tape Recorder	20
		Broadcast and Recording Microphones	20
Multi-Deck Cartridge Machines	7-8	BE TMS-100/200 Turntable Pre-Amplifiers	21
Models 605C and 610CR	7	Professional Turntables	21
Model 610CX Automatic Audio System	7	Micro-Trak Tone Arms	21
Mini Series 303/305	8	Control Room Furniture	22
		Studio Clock and Warning Light	22
Cartridge Machine Accessories	9	Cartridge Storage Racks	23
Phase-Lok Head Bracket, Remote Controls, Fault/Splice Detectors, Sequencers/Switchers			
		Studio and Cartridge Accessories	24
Audio Consoles	10-17	Tape Cartridge Winder and Timer, Tape Erasers, Tapes and Cartridges, Tape Head Maintenance Supplies	
Console Comparison Chart	10		
4BEV-50 Versa Console	11		
50 Series Mono	12		
100/200 Series Mono	13-14	Telephone Answering Interface Systems	25
100/200 Series Stereo	15-16	TELCO 80/90	25
Slide Type Mono/Stereo Consoles	17	TELCO III, IV, V, and VI	25

Warranty

Broadcast Electronics products are guaranteed to be free from defects in workmanship and material for a period of one year (18 months for SERIES 2000) after shipping date when subjected to normal usage or service. All warranties are void, A) If equipment has been altered or repaired by others without Broadcast Electronics' specific prior authorization, or B) If equipment is operated under environmental conditions or circumstances other than those specifically described in Broadcast Electronics literature or instruction manuals.

ADDITIONAL INFORMATION

Additional information and product literature are available from your SPOTMASTER Distributor or Broadcast Electronics, Inc.



**VIDEO
MONITORS**

Broadcast Electronics, Inc. Modtec Division
manufactures monochrome video monitors.



BROADCAST ELECTRONICS INC. — A FILMWAYS COMPANY —
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NEW WEST COAST SALES OFFICE:

BROADCAST ELECTRONICS, INC.

1604 N. CAHUENGA BLVD. • LOS ANGELES, CALIFORNIA 90028 • PHONE 213-465-1755

SERIES 1000

- SIMPLE, BASIC CART MACHINES AT VERY LOW PRICES
- FULL +16 DBM PEAK OUTPUT WITH EXCELLENT FREQUENCY RESPONSE

In today's battle against inflation, SPOTMASTER[®] introduces a basic, spartan audio tape cartridge machine – the SERIES 1000. The SERIES 1000 combines a rock-bottom price with the quality and reliability of the SERIES 2000.

The SERIES 1000 includes: low noise electronics; fast starting and stopping tape transport; full +16 dBm peak output; excellent frequency response with high frequency adjustment; automatic cueing with 1 KHz tone; rugged construction for durability and long life; cool and quiet operation; easy accessibility for periodic maintenance; table top or rack mounting; adjustable head mounting; self-cancelling record preset; stable, low flutter, hysteresis synchronous tape drive; minimum component circuitry; and line or microphone input capability to the recorder.

The SERIES 1000 delay model provides facilities for simultaneous recording and playback to temporarily store programming material. Primary users are stations with telephone

SINGLE DECK CARTRIDGE MACHINES



call-in programs where the delay permits editing of extraneous material. Since the delay length is determined by the cartridge used, the delay time may be easily changed. This permits delaying whole programs for up to 60 minutes.

MODELS AVAILABLE: Mono Playback Only, Model 1000P; Mono Record/Playback, Model 1000RP; Mono Delay, Model 1000DL.

SPECIFICATIONS (See Below)

Series 2000

- PLUG-IN MODULES FOR RECORD AND AUDITION FUNCTIONS PERMIT FIELD CONVERSION OF PLAYBACK UNITS
- UNPRECEDENTED 18 MONTH WARRANTY

SERIES 2000 cart machines have low power consumption and run cool to protect your tapes. Their noise figure exceeds 57 dB. Start/stop times are fast – under 80 milliseconds. Standard features include balanced transformer output, 150 Hz cue, 1000 Hz cue, and provision for remote control and telephone interface.

Separate front panel plug-in modules are used to implement record and audition functions. These add flexibility and



permit instant field conversion of Series 2000 playback machines. Table top units accept A, B and C size cartridges, and the dual rack mount configuration accepts size A and B cartridges. Available in mono and stereo playback and record/playback, and mono playback/audition.

WE OFFER THESE NEW MACHINES WITH AN UNPRECEDENTED 18 MONTH WARRANTY.

SPECIFICATIONS – SERIES 1000 AND 2000

Noise: 57 dB below +8 dBm output (SERIES 1000 55 dB)

Frequency Response: ± 2 dB, 50 - 15,000 Hz

Distortion: 2% or less at +16 dBm output

Tape Speed: 7.5 ips accurate 0.2% or better
Optional 3.75 ips accurate 0.4% or better

Wow and Flutter: Less than 0.2% RMS (NAB unweighted)

Output (SERIES 2000): Peak output +16 dBm, continuously adjustable, 600 ohms, transformer balanced

Output (SERIES 1000): Peak output +16 dBm, continuously adjustable. Output load 150 ohms or higher unbalanced, 600 ohm balanced in delay models

Start and Stop Time: 80 milliseconds

Equalization: NAB standard

Drive: Hysteresis synchronous, indirect

Power: 117 VAC/60 Hz standard
220 VAC/50 Hz optional
117 VAC/50 Hz optional

Cue Tones (SERIES 2000): 1 KHz stop standard, 150 Hz standard

Cue Tones (SERIES 1000): 1 KHz stop standard (not included in delay models)

Remote Control (SERIES 2000 Only): Octal socket; stop, start, TELCO telephone answering accessory, and 150 Hz cue tone logic ground

Delay (SERIES 1000 Only): 3 seconds to 60 minutes depending on cartridge length and tape speed. Uses standard NAB cartridges. 6 second length cartridges available for telephone delay purposes.

Dimensions: 5-5/8" high x 8-1/2" wide x 12" deep

OPTIONS – SERIES 2000

Cue Tones: 8 KHz auxiliary in lieu of standard 150 Hz

Record Module: Plug-in for simple field installation; includes VU meter, microphone input provision, and 150 Hz tone generator

Audition Module: Plug-in module with 1 watt amplifier and speaker; output jack for external speaker with 10 watt amplifier

Rack Adapter: Mounts two SERIES 2000 units side by side in 19" rack

Telephone Answering: Prewired for TELCO telephone answering interface.

OPTIONS – SERIES 1000

Rack Adapter: Mounts two SERIES 1000 units side by side in 19" rack

Series 3000

- **AUTOMATIC RELEASE DECK WITH LARGE AIR DAMPED SOLENOID**
- **LOW POWER CONSUMPTION – COOLEST RUNNING UNIT IN THE INDUSTRY**
- **PHASE-LOK III HEAD BRACKET ELIMINATES STEREO PHASING PROBLEMS**
- **EXCEEDS PRESENT AND PROPOSED NAB SPECIFICATIONS**
- **FULL RANGE OF MODELS AND OPTIONS**

SPOTMASTER[®] maintains its leadership in the tape cartridge machine field with the SERIES 3000 – the first SPOTMASTER to incorporate an automatic release deck. SERIES 3000 machines are heavy duty units built to assure long, trouble-free life. Mechanically, these machines use rugged components with a large air damped solenoid and a machined deck surface. Electrically, all components are chosen for proven dependability with gold plated card edge connector contacts, internally shielded audio circuitry, and extensive use of integrated circuits. SERIES 3000 cartridge machines exceed both present and proposed NAB specifications.

Total power consumption is so low – less than 50 watts – that these machines are the coolest running units in the industry. There is no excessive heat build-up to damage tape. An efficient hysteresis synchronous motor provides direct tape drive and optional fast forward.

Standard features include balanced transformer output, FET output switching for paralleling machines, rear panel connector for full remote control, and – on stereo models – the unique PHASE-LOK III head bracket with independent azimuth adjustment to assure extremely tight control of stereo phasing. Options include secondary and tertiary cue tones, fast forward, microphone input on record models and alternate tape speeds. Accessories include a tape fault/splice detector – see page 9.

SPECIFICATIONS

Record/Playback Equalization: NAB Standard (∞ , 50 usec).

Tape Velocity: 7.5 ips (19.05 cm/s).

Timing Accuracy (7.5 ips): 0.1%;

Frequency Response: +1, -5 dB, 50 Hz -150 Hz
+1, -3 dB, 150 Hz -300 Hz
+1 dB, 300 Hz -10 KHz
+1, -2 dB, 10 KHz -18 KHz

Distortion: Playback only (50 - 15,000 Hz) using loop injection measurement technique, 0.5% THD. Record/Play (Ref -20 dBm input, 160 nW/M recorded level, +8 dBm output), 2% max.

Signal/Noise Ratio (Ref -20 dBm input, 160 nW/M recorded level, +8 dBm output): 58 dB mono, 54 dB stereo.

Wow and Flutter (unweighted): 0.2% rms max. 0.1% peak weighted.

Crosstalk (Magnetic head limited):

Cue channel to program channel:
150 Hz: -50 dB max.
1000 Hz: -55 dB max.
8000 Hz: -50 dB max.

Input Impedance:

Recorder Input
Low level/high level input amplifier.
Mike: 150 ohm balanced floating.
Line: balanced bridging; 150K ohms balanced floating.

SINGLE DECK CARTRIDGE MACHINES



Model 3100 for A size cartridges, available in mono or stereo playback. Three Model 3100's mount side-by-side in 19 inch rack adapter.



Model 3200 for A and B size cartridges, available in mono or stereo playback only, record/playback, or delay programmer. Mono record/playback shown. Two Model 3200's mount side-by-side in 19 inch rack adapter.



Model 3200 stereo record/playback with optional fast forward, secondary cue tone (150 Hz) and tertiary cue tone (8 KHz).



Model 3300 for A, B and C size cartridges, available in mono or stereo playback only or record/playback. A Model 3300 may be mounted side-by-side with a Model 3100 in a 19 inch rack adapter.

Input Levels:

High level inputs: -32 to +14 dBm (10 mV to 4V).
Microphone inputs: -70 to -24 dBm.

Output Impedance (Balanced): Less than 1/8 load of 150/600 ohms.

Output Level (From 160 nW/M Recording): +8 dBm.

Peak Output Level: +18 dBm before clipping.

Bias Oscillator Frequency: 100 KHz.

Fast-Forward Tape Velocity: 22.5 ips (57 cm/s).

Ambient Operating Temperature (Machine Only): 0° to 55°C (32° to 130°F).

Tape Start/Stop Time: 0.1 s max.

Tape Pull Force: 1.5 lbs. (6.67N) min.

Power Requirements: 105-125/210-230V, 50 or 60 Hz, 45-50W max.

Dimensions: Model 3100: 5-1/4" H, 5-7/8" W, 15-1/2" D
Model 3200: 5-1/4" H, 8-3/4" W, 15-1/2" D
Model 3300: 5-1/4" H, 11-3/4" W, 15-1/2" D
(Height without feet)

Series 4000

SINGLE DECK
CARTRIDGE MACHINES



**INTRODUCED AT
1975 NAB
SHOW**

SERIES 4000 - THE ULTIMATE CARTRIDGE MACHINE FROM SPOTMASTER®

The SERIES 4000 is the ultimate cartridge machine from SPOTMASTER – and the ultimate machine for the most discriminating broadcaster. It proves that a no-nonsense cartridge machine can be innovative, reliable and durable without being overly complex or expensive. It's a unique machine with unique features – features like the SPOTMASTER PHASE-LOK III head bracket that provides accurate phase response with its exclusive and simple independent azimuth adjustment. SERIES 4000 machines have 15 years of SPOTMASTER experience and design leadership in a new style of packaging that is preferred by many of today's broadcasters.

The SERIES 4000 is equipped with an automatic release deck with direct drive and an air damped solenoid. Construction is massive with cast and machined frames and front panel. Electronic components are carefully selected for proven durability. Circuitry is conservatively designed, and maintenance is minimized by careful manufacture. SERIES 4000 machines are rugged – yet the design has been refined so that operation is very cool, quiet and, most of all, very reliable. Options are numerous including an internal tape fault/splice detector in record models.

SPECIFICATIONS

Record/Playback Equalization: NAB Standard (∞ , 50 usec).

Tape Velocity: 7.5 ips (19.05 cm/s).

Timing Accuracy (7.5 ips): 0.1%.

Frequency Response: +1, -5 dB, 50 Hz -150 Hz
+1, -3 dB, 150 Hz -300 Hz
+1 dB, 300 Hz -10 KHz
 \pm 1, -2 dB, 10 KHz -18 KHz

Distortion: Playback only (50 - 15,000 Hz) using loop injection measurement technique, 0.5% THD. Record/Play (Ref -20 dBm input, 160 nW/M recorded level, +8 dBm output), 2% max.

Signal/Noise Ratio (Ref -20 dBm input, 160 nW/M recorded level, +8 dBm output): 58 dB mono, 54 dB stereo.

Wow and Flutter (unweighted): 0.2% rms max. 0.1% peak weighted.

Crosstalk (Magnetic head limited):

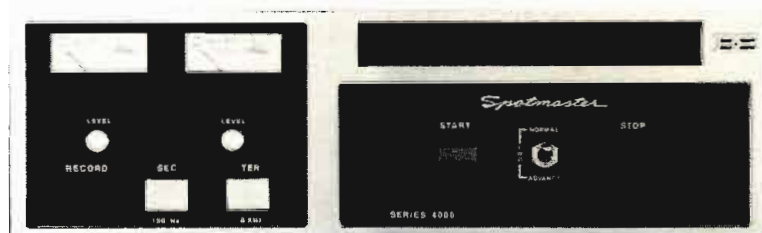
Cue channel to program channel:
150 Hz: -50 dB max.
1000 Hz: -55 dB max.
8000 Hz: -50 dB max.

Input Impedance:

Recorder Input
Low level/high level input amplifier.
Mike: 150 ohm balanced floating.
Line: balanced bridging; 150K ohms balanced floating.



Model 4200 space saver for size A and B cartridges, available in mono and stereo playback.



Model 4300 for size A, B and C cartridges, available in mono and stereo playback only or record/playback.

Input Levels:

High level inputs: -32 to +14 dBm (10 mV to 4V).
Microphone inputs: -70 to -24 dBm.

Output Impedance (Balanced): Less than 1/8 load of 150/600 ohms.

Output Level (From 160 nW/M Recording): +8 dBm.

Peak Output Level: +18 dBm before clipping.

Bias Oscillator Frequency: 100 KHz.

Fast-Forward Tape Velocity: 22.5 ips (57 cm/s).

Ambient Operating Temperature (Machine Only): 0° to 55°C (32° to 130°F).

Tape Start/Stop Time: 0.1 s max.

Tape Pull Force: 1.5 lbs. (6.67N) min.

Power Requirements: 105-125/210-230V, 50 or 60 Hz, 45-50W max.

Dimensions: Model 4200: 5-1/4" H, 8-1/2" W, 12-1/8" D
Model 4300: 5-1/4" H, 17" W, 12-1/8" D
(Height without feet)

500 D Series

**SINGLE DECK
CARTRIDGE MACHINES**



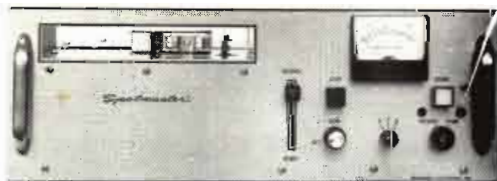
- TRADITIONAL FAVORITE THAT MEETS OR EXCEEDS NAB SPECIFICATIONS
- COMPLETE RANGE OF MODELS AT MODERATE PRICES
- 500 D FEATURES AUTOMATIC RECORD CANCEL, BUILT IN MIKE PRE-AMP AND FULL AUXILIARY CUE TONE OPTIONS



500 D/DL Record/Playback/Delay. Records, stores and plays back any program material for pre-determined length on standard cartridges. Also normal record/playback functions.



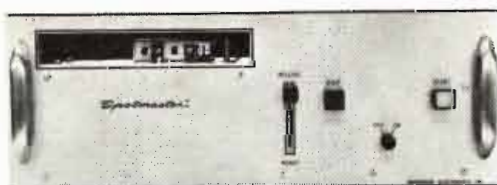
500 DS Stereo Record/Playback. Optional mike pre-amp.



500 DR. Rack Mount 500 D in 7" panel height. Chassis rolls out for access. Optional mike pre-amp.



500 DR/DL Record/Playback/Delay. Rack mount version of 500 D/DL. Optional mike pre-amp.



505 DR and 505 DRS. Rack mount mono and stereo playback units. All rack mount units accept A, B or C size cartridges.



500 DRS Stereo Record/Playback. Full stereo record and playback in a 7" rack unit.

SPECIFICATIONS

Equalization: NAB Standard.

Frequency Response: +2 dB 50 - 12,000 Hz @ 7.5 ips. +3 dB 40 - 15,000 Hz @ 7.5 ips.

Distortion: 2% or less @ 0 VU recording level.

Signal to Noise Ratio: 50 dB or better.

Wow & Flutter: 0.2% or less @ 7.5 ips.

Tape Speed: 7.5 ips.

***Input (Line):** 0.1 Volt (Bridging)

***Input (Microphone, 150 ohms):** 0.25 mv (-64 dBm)

Output: +4 dBm @ 600 ohms. Peak output +14 dBm. (Transformer output.)

Cue-Tones: Primary - 1,000 Hz (Stop). Cue-Trip No. 1 - 150 Hz (Optional). Cue-Trip No. 2 - 8,000 Hz (Optional).

Cueing Accuracy: 0.1 Second.

Starting Time: 0.1 Second.

Power Requirement: 105 - 125 VAC, 60 Hz, 50 watts (115/220 VAC, 50 Hz optional extra).

Playing Time: 1 second to 31 minutes @ 7.5 ips.

Motor: Hysteresis Synchronous

Controls: *Gain, *Automatic Record Pre-set, *VU Meter Selector, Start Switch, Stop Switch, Output Level, On-Off

Size: 10-1/4" W, 12-3/4" L, 6-5/8" H (Desk top). 7" panel height (Rack mount)

Weight: 18 lbs. (Model 500) 15 lbs. (Model 505)

Finish: Silver Gray and satin aluminum panel.

*Applies to Model 500 combination Record/Play units only.

Three/70 Series

- COMPACT PLAYBACK MACHINE FOR SIZE A CARTS
- HIGH PERFORMANCE WITH EXCELLENT ELECTRICAL SPECIFICATIONS
- PLUG-IN MODULAR ELECTRONICS AND PLUG-IN DECK
- LOW POWER, COOL OPERATION



Instant conversion from table-top to rack operation – merely order rack adaptor and “slide in” up to 3 Three/70 units in one 7” rack height.

SPECIFICATIONS

- Frequency Response:** 50 to 15,000 Hz, ± 2.5 dB.
Equalization: NAB or IEC standards.
Distortion: Less than 1.75% @ 0 VU (400 Hz).
Signal-to-Noise: -55 dB (ref. to +8 dBm out. Tape not running).
Output: Adj. to +8 dBm.
Max. Output: +18 dBm (before clipping).
Wow and Flutter (7.5 ips): Less than 0.2% RMS (NAB unweighted).
 Less than 0.25% (DIN unweighted).
Cue Circuitry: Stop Cue (1 KHz) (150 Hz, 8 KHz optional).
Cueing Accuracy: 0.1 second.
Speed Accuracy: $\pm 0.3\%$ @ 7.5 ips
 $\pm 0.4\%$ @ 3.75 ips
Timing Accuracy: ± 0.5 sec/60 sec @ 7.5 ips.
Power Requirements: 117 V/60 Hz; less than 30 Watts. 220 V/240 V, 50 Hz; less than 35 Watts.
Remote Control: Use BE-102.

Cartridge Machine Maintenance and Alignment Supplies

SPOTMASTER cartridge machine maintenance and alignment accessories are available as kits. Each kit contains those supplies required to keep a cartridge machine operating at optimum performance. Kits contain:

- Head gage blocks for head alignment.
- Allen wrenches for head and pressure roller adjustments.
- Test tapes (NAB).
- Extender Cards.
- Pen oiler for lubricating capstan bearings.
- Cleaning fluid.
- Maintenance manuals.

SINGLE DECK CARTRIDGE MACHINES



The SPOTMASTER® Three/70 is designed around the performance of the Ten/70 and includes: direct-drive synchronous motor, all silicon solid-state circuitry, plug-in modular construction, high output, control logic switching. The playback deck designed by SPOTMASTER engineers is an electro-mechanical, plug-in deck module.

MECHANICAL

- Size:** 5.625” wide, 5.75” high, 12.5” long.
Weight: 12 lbs.

Rear Panel Configuration:

- Remote Control/Telco: Octal, 8 pin
- Line Out: Jack, 3 connector phone
- Output Level Potentiometer
- Contact closures derived from Cue Trip I and II Tone Sensors.

OPTIONAL ACCESSORIES

- 600 ohm balanced transformer output
- Telco Telephone Answering Accessory
- Rack Adaptor
- BE 102 Remote Control
- 220V/240V, 50 Hz power conversion
- 3.75 ips speed option
- Cue Trip I (150 Hz) and Cue Trip II (8 KHz) Tone Sensors



Ten/70 Series

SINGLE DECK CARTRIDGE MACHINES

- PLUG-IN DECK MODULE, OPTIONAL AUXILIARY CUE TONES, AND MICROPHONE PRE-AMP
- PHASE-LOK II HEAD BRACKET STANDARD ON STEREO MODELS
- FAST FORWARD MAY BE INITIATED AUTOMATICALLY OR MANUALLY. AUTOMATIC FAST FORWARD MAY ALSO BE LOCKED OUT.
- RP UNIT HAS PROVISION FOR RECORDING OF CUE TRIP I AND II TONES ON PRE-RECORDED CARTRIDGE WHILE UNIT IS IN PLAYBACK MODE
- PRE-WIRED REAR PANEL CONNECTORS PROVIDED FOR REMOTE CONTROL AND TELEPHONE ANSWERING ACCESSORIES
- REAR PANEL INPUT JACK FOR RECORDING LOGGING TONES ON CUE TRACK.



1070P – Mono playback - compact and light.
1070PS – Stereo playback.



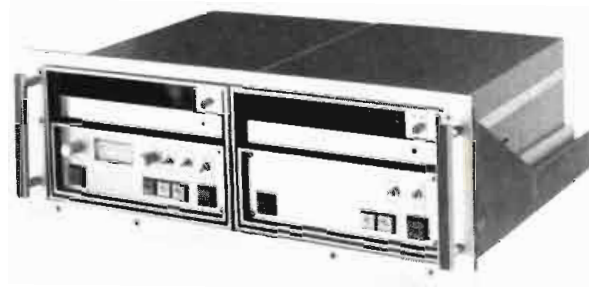
1070RP – Record/playback.
1070RP/DL – Record/playback/delay three-in-one machine ideal for talk shows. Electronic output mute remote controllable.



1070RPS – Stereo record/playback with Phase-Lok II head bracket to eliminate FM phasing problems.
1070SDL – Stereo delay programmer.

SPECIFICATIONS

- Equalization:** NAB or IEC Standards.
- Frequency Response:** 50-15,000 Hz \pm 2 dB
30-18,000 Hz \pm 4 dB.
- Distortion:** 1% or less @ 0 VU (400 Hz).
- Signal to Noise:** -57 dB or better at 1 KHz.
- Wow and Flutter:** Less than 0.2% RMS (NAB unweighted).
- Cross Talk:** Cue/Program -55 dB or better.
- Output:** -10 dBm/0 dBm/+8 dBm switchable. Adjustable 10 dB.
Peak output +18 dBm.
- Output Impedance:** 600 ohms balanced. Alternate strapping for 150 ohms.
- Speed:** 7.5 ips accurate 0.2% or better. Fast Forward** to 22.5 ips (Other speeds optional).
- Motor:** Direct drive hysteresis synchronous.
- Cue Trip:** Stop Cue (1 KHz)
Cue Trip I (150 Hz) Optional.
Cue Trip II (8 KHz) Optional.



Rack Mount Adapter – two 1070's in 7 inches panel height. Chassis slides out for quick service and instant installation/removal of units.



Model 1070 with RM10 cartridge rack provides storage for 10 A-size cartridges.

- Cueing Accuracy:** 0.1 Second.
- Capacity:** Size A or B NAB standard cartridge.
- *Input:** Line -15 dBm to 0 dBm or 0 dBm to +5 dBm switchable @ 10,000 ohms bridging balanced. Mike 0.1 mv @ 150 ohms balanced (Optional, RP and RP/DL only).
- Power Requirement:** 117 V/60 Hz, 50 Watts. 220-240 V/50 Hz (Optional).
- Controls:**
- | | |
|--|----------------|
| Start | *Record Preset |
| Stop | *Line Level |
| On-Off | *Mike Level |
| *VU Meter | **Advance |
| Cartridge Release | |
| Optional: Cue I (150 Hz) Generator*/Sensor | |
| Cue II (8 KHz) Generator*/Sensor | |
| Auto Cue Automatic Advance** | |

Size: 8-3/8" H, 8-1/2" W, 12" D.

Shipping Weight: 15 lbs.

*Applies to RP Models Only. **Not available on delay models.

Models 605C 610CR

FIVE SPOT®
TEN SPOT®

MULTI-DECK CARTRIDGE MACHINES

SPOTMASTER® TEN-SPOT and FIVE-SPOT multiple cartridge units are capable of manual operation or may be incorporated into programmed automation systems making use of one, two or three NAB standard cueing tones.

A flywheel loaded common capstan supplies tape motive force, the flywheel in turn being driven by a heavy duty hysteresis synchronous motor. Individual power supplies are provided for each solenoid thereby making each deck independent of the other and, in the TEN-SPOT, each module of five decks is completely separate and independent of the other five deck module both mechanically and electronically. Each reproduce channel is separately equipped with cueing amplifier/s and a program amplifier with the output level adjustable to +4 dBm by means of locking type controls. The amplifier power supply is transistorized and zener regulated.

SPECIFICATIONS

Equalization: NAB standard.

Frequency Response: ±2 dB, 50 Hz - 12 KHz
±4 dB, 50 Hz - 15 KHz

Distortion: 2% or less @ normal recording level.

Signal-to-Noise-Ratio: -45 dB, ref. 3% THD.

Wow and Flutter: .2% or less (RMS).

Tape Speed: 7.5 ips (3.75 ips available).

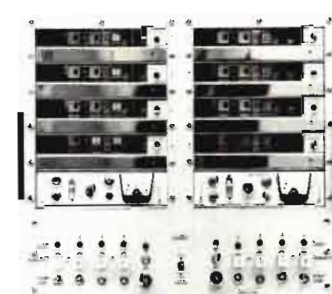
Output Level: Adjustable to +4 dBm @ 600 ohms, peak output +12 dBm.

Output Load Impedance: 600 ohms (emitter-follower). *600/150 ohms (transformer output).

Cueing Accuracy: .1 second.

Cueing Tones: Primary - 1,000 Hz (Stop/Re-Cue). *Cue Trip No. 1: 150 Hz (end of message). *Cue Trip No. 2: 8,000 Hz (auxiliary).

Playing Time: 3 sec. to 16 mins. per deck @ 7.5 ips using NAB type A & B cartridges.



Facilities are provided on the rear panel for remote control and for inter-connections between channels so as to permit automatic sequencing from channel to channel. All amplifiers are plug-in modular units. Enclosed plug-in relays are used throughout.

Capacity: FIVE-SPOT - 5 type A or B cartridges. TEN-SPOT - 10 type A or B cartridges.

Circuitry: All silicon solid state.

Power Supply: Transistor, filtered, zener regulated.

Power Requirements: 108-125 VAC, 60 Hz.
75 watts - FIVE-SPOT
150 watts - TEN-SPOT
Optional 220 VAC, 50 Hz (step down transformer supplied).

Dimensions: FIVE-SPOT - 9-13/16" W x 15" D x 15-3/4" H.
TEN-SPOT - 19" W x 15" D x 15-3/4" H.

Mounting: FIVE-SPOT - Walnut Formica Cabinet (Model 605C).
FIVE-SPOT - in 19" rack panel with cartridge storage cubicle (Model 605CR).
TEN-SPOT - 19" rack (Model 610CR).

Weight: FIVE-SPOT - 44 lbs.
TEN-SPOT - 89 lbs.

*Optional

Model 610CX Automatic Audio System

The SPOTMASTER 610CX is provided with 6 Playback and 2 Record/Playback channels. The two record/playback channels may be utilized for recording purposes while the other playback channels are in use. The 610CX may be operated as one, 8 channel system, or as two, 4 channel systems. A front-panel "Split-Combined" function switch is provided for the selection of this mode of operation.

The Automatic Audio System is equipped with an integral sequential switcher that may be programmed to automatically playback any of two to eight cartridges.

SPECIFICATIONS

Frequency Response: ±3 dB, 50 Hz - 12 KHz
±5 dB, 50 Hz - 15 KHz

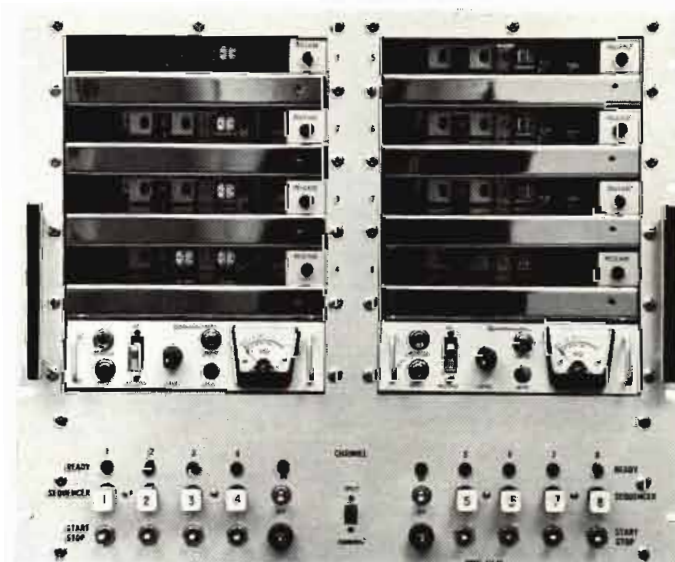
Output Level: -4 dBm, ±3 dB.

Cueing Tones: 1 KHz, 150 Hz.

Tape Speed: 7.5 ips.

Drive: Each 4 channel unit is driven by a common capstan thru a belt and pulley.

Power: 108-125 VAC, 60 Hz, 200 watts.



Distortion: 2% or less.

Wow and Flutter: 0.2% RMS.

Inputs: (2) microphone, 250 mv sens. low impedance.
(2) Line, 0.1 v sens., 2.5 k nom. impedance.

Cartridges: NAB types A, B.

Mounting: Standard 19" rack, 15-3/4" high.

Weight: 95 pounds.

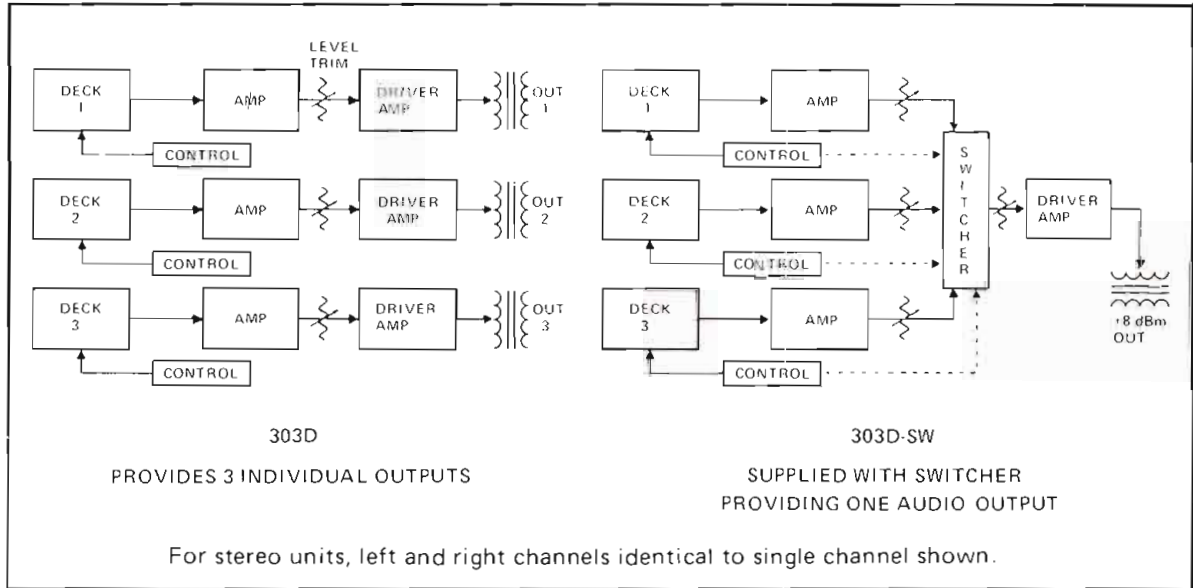
Mini Series 303/305

MULTI-DECK CARTRIDGE MACHINES

- MINI-SPACE, MAXI-PERFORMANCE
- LOGIC SWITCHING
- ALL SILICON SOLID-STATE CIRCUITRY
- COMPLETELY PLUG-IN, MODULAR CONSTRUCTION
- FORCED AIR VENTILATION
- MONO OR STEREO
- POWER LINE VOLTAGE SURGE PROTECTION
- STEREO MODELS EQUIPPED WITH PHASE-LOK II HEAD BRACKET



BLOCK DIAGRAM



Rack Adapters



Rack Panel Adapters – available for 303 and 305. Each holds 3 Mini Series units.

SPECIFICATIONS

- ELECTRICAL:**
- Frequency Response:** ± 2 dB 50 Hz to 15,000 Hz, ± 4 dB 30 Hz to 18,000 Hz
- Distortion:** 1.5% or less @ 0 VU, Ref: 400 Hz
- Signal to Noise:** Unweighted -55 dB or better, Ref: NAB Standards Section 2.35
- Cross Talk:** Cue/Pgm: -55 dB or better @ 1 kHz, Ref: NAB Standard 2:40
- Equalization:** NAB or IEC standards
- Output Level:** $+18$ dBm peak, continuously adjustable
- Output Impedance:** 600 ohm balanced transformer out, alternate strapping for 150 ohm
- Cue Tones:** Primary: 1000 Hz (Stop/Re-cue), Secondary: 150 Hz (End of Message-Optional), Tertiary: 8000 Hz (Auxiliary-Optional)
- Cue Output:** N/O contact closure available on rear panel for 150 Hz and 8 KHz tones.
- Cueing Accuracy:** 0.1 seconds
- Cue Sensitivity:** Exceeds NAB Standards by 10 dB
- Speed:** 7.5 ips (Standard), 3.75 ips (Optional)
- Speed Accuracy:** $\pm 0.4\%$ or better

- Wow & Flutter:** 0.2% or better @ 7.5 ips, 0.25% or better @ 3.75 ips (Optional)
- Capacity NAB Standard Cartridge:** Size "A"
- Power Requirements:** 105 - 125 VAC, 60 Hz @ 75 watts (305), 60 watts (303), 220 - 250 VAC, 50 Hz @ 75 watts (305), 60 watts (303) (Other Line Standards on Special Request).
- Controls:** Front Panel illuminated pushbuttons for Start (green), and Stop (red). Rear Panel each channel, Output: 3 circuit std. phone jack, Level Trim: Potentiometer
- Remote and Accessory Control Connections:** Remote: Amphenol Blue Ribbon (50) pin connector providing remote control and indication of all front panel pushbutton control functions. Accessory: Amphenol Blue Ribbon (24 pin) connector providing normally open relay contacts from optional 150 Hz and 8000 Hz auxiliary tone sensors.
- MECHANICAL:**
- Overall Dimensions:** Model 305 – 14.39" H x 5.44" W x 17.75" D, Model 303 – 10.45" H x 5.44" W x 17.75" D
- Weight:** Model 305 – 42 lbs; Model 303 – 30 lbs.
- Rack Panel Adapter:** RA35 (for 3 - Model 305): 15 1/4" H x 19" W x 18" D, RA33 (for 3 model 303) 12 1/4" H x 19" W x 18" D

Phase-Lok II Head Bracket

The PHASE-LOK II head bracket provides independent azimuth adjustment to assure extremely tight control of stereo phasing while permitting easy adjustment. Precision tape guidance provides accurate and permanent tape to head alignment. Installed as standard equipment on stereo Ten/70, 303 and 305 units. Available as field installation for 500 Series and older Ten/70 units.

CARTRIDGE MACHINE ACCESSORIES



Remote Controls

Almost all BE tape cartridge machines may be operated by remote control. Typical SPOTMASTER® remote control panels are:

BE-106 with illuminated start/stop switches and electronic sequence indicator for models 605C and 610CR.

303D remote control for Mini Series duplicates front panel start/stop functions. Suitable for mounting in console desk cut-out. 5" wide, 1-7/8" high, 2-7/8" deep.

RC1070 duplicates all Ten/70 front panel functions. Suitable for desk cut-out or blank rack panel. 5½" wide, 2¼" high, 4" deep. Supplied with 15' cable and 24 pin connector.

BE-102 controls up to 3 single deck units such as the 500D Series. Desk top panel with 15' cable supplied.



Fault/Splice Detector Models BEFSD-100/200

Spotmaster Fault/Splice Detectors function as tape quality inspectors or as splice detectors. All electronic detection is used, with switch selectable sensitivity, to sense only major tape defects or all surface characteristics which affect recording. As a fault detector, tape is stopped whenever drop-outs, wrinkles or surface blemishes occur to allow a quick check of tape quality. As a splice detector, the BEFSD saves manual search for splices and prevents recording over splices.

Conveniently, the defect or splice is positioned directly opposite the capstan opening in the cartridge to permit easy inspection. This also allows storing of cartridges after splice positioning, since the splice is readily visible and permits running the cartridge briefly before recording without run-the splice out-of-sight in the tape pack.

The model BEFSD 100 is a completely self-contained detector with tape drive system. The model BEFSD 200 is used in conjunction with SPOTMASTER SERIES 3000 record/playback tape cartridge machines. Cables and controls are provided so that the BEFSD 200 may be connected to two SERIES 3000 machines.

SPECIFICATIONS

MODEL BEFSD 100:

Tape Speed: 22½ IPS

Power Requirements: 117 VAC, 60 Hz; 117 VAC, 50 Hz; 220 VAC, 50 Hz

Dimensions: 5-5/8" high x 8-1/2" wide x 12" deep

Weight: 14 lbs.

Mounting: Desk top or in SERIES 1000/2000 rack adaptor

Cartridge Capacity: NAB A, B, or C when operated on table top; NAB A or B when rack mounted



MODEL BEFSD 200:

Tape Speed: 22½ IPS

Power Requirements: Supplied by cartridge machine

Dimensions: 3" high x 9-1/2" wide x 6-1/2" deep

Weight: 3.5 lbs.

Mounting: Desk top or optional rack mount

Cartridge Capacity: Same as cartridge machine used



Sequencers/Switchers

Sequencers and switchers are used with individual cart machines, or with multi-deck machines that do not have internal sequencer or switcher functions. Examples are:

ESD-15 Sequencer pre-programs playback sequence of 1 to 15 decks. May be used with Mini Series 303/305. Rack mount in 3½".

SW-5B Audio Switcher used with Five-Spot and Ten-Spot. Provides single balanced output and automatically mutes non-active channels.



OTHER ACCESSORIES AVAILABLE INCLUDING POWER/SPEED CONVERSIONS AND FIELD INSTALLATION KITS. REFER TO PRICE LIST AND CONSULT YOUR SPOTMASTER DISTRIBUTOR OR BROADCAST ELECTRONICS FOR COMPLETE DETAILS.

AUDIO CONSOLES COMPARISON CHART

MODEL	4 BEV 50	4BEM 50	5BEM 100	5BES 100	5BEM 200	5BES 200	8BEM 100	8BES 100	8BEM 200	8BES 200	BEML-2006-10	BESL-2006-10	BE12A BE13A		
MONO/STEREO	MONO	MONO	MONO	STEREO	MONO	STEREO	MONO	STEREO	MONO	STEREO	MONO	STEREO	MONO		
NUMBER MIXERS	4 MIXERS		5 MIXERS				8 MIXERS				6-10 MIXERS		4 MIXER ADD ON		
FAIDERS	SEALED	SEALED	SEALED (STEP)**	STEREO SEALED (STEP)**	STEP LADDER	STEREO STEP LADDER	SEALED (STEP)**	STEREO SEALED (STEP)**	STEP LADDER	STEREO STEP LADDER	LINEAR CONDUCTIVE PLASTIC	STEREO LINEAR CONDUCTIVE PLASTIC	ROTARY SEALED (100 SERIES) OR STEP LADDER (200 SERIES)		
NUMBER INPUTS	10 INPUTS	8 INPUTS	10 INPUTS				16 INPUTS				16-24 INPUTS		12 INPUTS WITH 10 REMOTE LINES		
TYPE INPUTS	7 MIC/LINE SWITCHABLE, 3 LINE	MIC/LINE STRAPPABLE	MICROPHONE OR LINE SWITCH SELECTABLE									MAX 18 SWITCHABLE MIC OR LINE 6 REMOTE LINES		LINE	
	MONO	MONO	MONO	MONO OR STEREO	MONO	MONO OR STEREO	MONO	MONO OR STEREO	MONO	MONO OR STEREO	MONO	MONO OR STEREO	MONO		
LINE INPUTS	BALANCED BRIDGING (18K)	10K BAL 20 TO 0 dBm	BALANCED BRIDGING (18K) -20 dBm NOMINAL -10 dBm MAXIMUM											0 dBm 8 dBm MAX BALANCED XFMR COUPLED	
MIC INPUT	150 OHMS BALANCED	150 OHM 65 TO 42 dBm	150 OHMS, BALANCED -65 dBm NOMINAL -38 dBm MAXIMUM, 92 dB MAXIMUM GAIN												
OUTPUTS	PGM XFMR +8 dBm (+18 max)	PA UNBAL 0.45V max	PGM 600 OHM XFMR +8 dBm (+15 max)	PGM AUD	PGM (AUD* MONO*)	PGM AUD	PGM AUD, MONO	PGM AUD	PGM (AUD* MONO*)	PGM AUD	PGM AUD, MONO	PGM AUD	PGM AUD, MONO	AS MAIN CONSOLE	
	600 OHM XFMR +8 dBm, +18 dBm MAX														
FREQUENCY RESPONSE	±1.5 dB 30 - 20 K	±2.30 TO 20K	±0.50 dBm 20 Hz TO 20 kHz @ +8 dBm OUTPUT									±0.5 dBm, 20 Hz - 20 kHz			
DISTORTION	0.5% @ +8 dBm		0.5% @ +8 dBm		0.5% @ +18 dBm										
NOISE	65 dB (UNWEIGHTED) BELOW +8 dBm OUTPUT WITH -50 dBm INPUT										-72 dB				
MONITOR (SPEAKER)	N/A	1.5W	8W	4W (2W/ CHAN)	8W	16W (8W/CHAN)	8W	4W (2W/ CHAN)	8W	16W (8W/CHAN)	10W	20W (10W/CHAN)			
CUE	.5W INT SPEAKER	.5W INTERNAL SPEAKER PROVIDED, TERMINALS FOR EXTERNAL SPEAKER									.5W INTERNAL SPEAKER				
HEADPHONES	1W FRONT PANEL JACK	.5W FRONT PANEL JACK FOR LOW OR HIGH IMPEDANCE HEADPHONES											N/A		
MUTING RELAY W/CONTACTS FOR ON AIR LIGHTS	CUE SPEAKER MUTING ONLY	1	2	1 (2ND OPT)*	3			2	1 (2ND OPT)*	3					
VU METERS	1 PGM	1 PGM	1 PGM	2 PGM	1 PGM 1 AUD	2 PGM OR AUD	1 PGM 1 AUD	2 PGM	1 PGM 1 AUD	2 PGM OR AUD	1 PGM 1 AUD	2 PGM 2 AUD			
SPECIAL FEATURES	RACK MOUNT TEST OSC EXTERNAL CONNECTIONS	RACK MOUNT OPTION	MODULAR PLUG IN ELECTRONICS OPTIONAL RIAA TURNTABLE PREAMPLIFIER MODULE									INTERCOM/TALK- BACK PROVISION PLUG-IN POWER SUPPLY NOISE 72 dB BELOW +8 dB OUT		REMOTE LINES EQUIPPEO W/PROVISION TO MIX CUE OR FEED MONITOR SIGNAL TO REMOTE LINE	

*PLUG-IN OPTION
**OPTION

All Consoles Feature:

- INTERNAL POWER SUPPLY
- ½ WATT CUE AMPLIFIER AND INTERNAL CUE SPEAKER
- HEADPHONE AMPLIFIER, FRONT PANEL HEADPHONE JACK FOR LOW OR HIGH IMPEDANCE PHONES
- NOISE SPECIFICATION 65 dB (UNWEIGHTED) BELOW +8 dBm OUTPUT
- INPUT AND OUTPUT CONNECTIONS MADE INTERNALLY TO SCREW TERMINALS
- ALL INPUT AND OUTPUT TERMINALS LABELED IN CONSOLE
- ALL STEREO MODELS – OUTPUT AMPLIFIERS EQUIPPED WITH LEFT AND RIGHT CHANNEL BALANCE TRIMMERS
- DUAL CHANNEL OPERATION IN 100/200 and 2006 SERIES
- DC CONTROLLED, LOW NOISE FET, AUDIO SWITCHING IN 100/200 SERIES

4BEV-50 Versa Console

AUDIO CONSOLES

COMPACT RACK MOUNT SINGLE CHANNEL MIXER

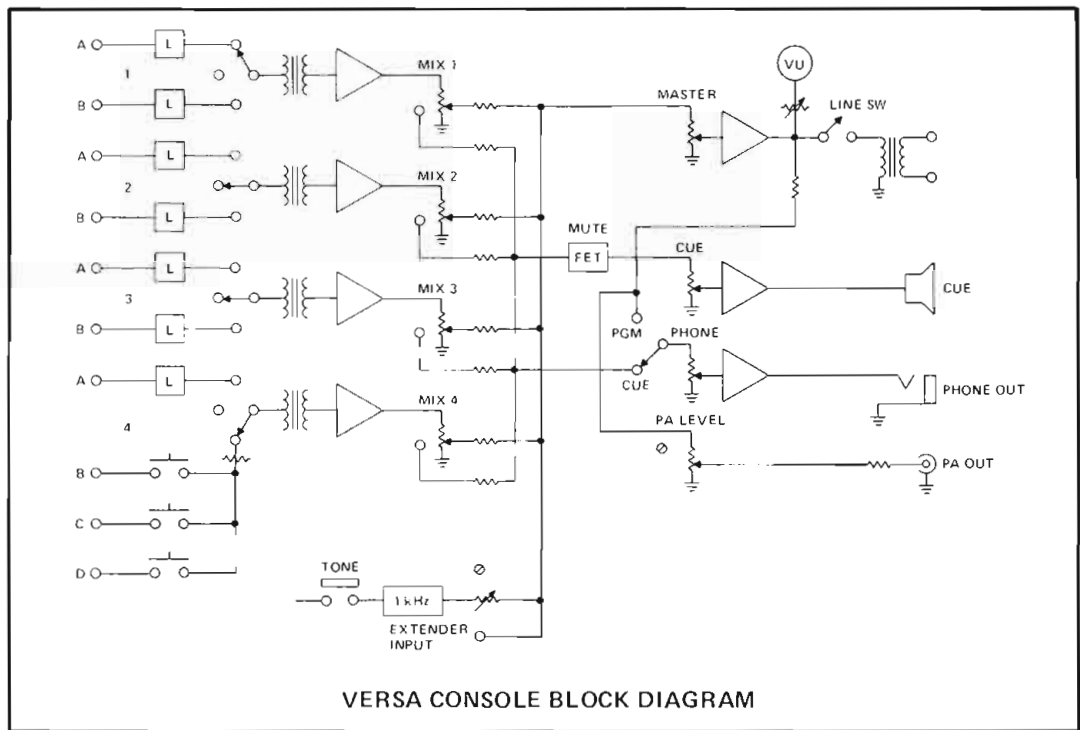
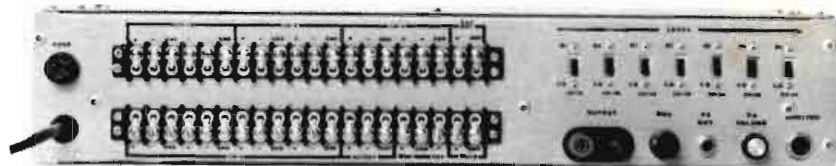
- EXTERNALLY SWITCHABLE INPUT LEVELS
- INPUTS TRANSFORMER COUPLED TO I.C. PRE-AMPS
- LINE AND PA OUTPUTS
- IDEAL FOR CATV, CCTV AND REMOTE BROADCASTS

The 4BEV-50 Versa Console is an ideal single channel mixer for CATV, CCTV, film studios, commercial sound installations, dubbing facilities and remote broadcasts. This four mixer monophonic console accepts ten inputs – seven externally switchable for microphone or line sources. The Versa Console provides both a balanced 600 ohm line output and a high impedance PA output. A 1 KHz test oscillator supplies tone directly to the mixing bus to facilitate quick and accurate level adjustments.

All inputs are transformer coupled to IC pre-amplifiers. Three of the four mixers accept two inputs each, and each input is externally switchable for microphone or line level sources. The fourth mixer accepts four inputs – one switchable and three direct high level. Mixers are long life sealed pots with cue detents.

Monitoring facilities in the Versa Console include a VU meter switchable for +4 or +8 VU output. A one watt amplifier powers the front panel headset jack which is switchable to the program or cue circuits. A separate FET muted cue amplifier and speaker are included.

The Versa Console is designed for quick and convenient installation. Input connections are made to rear panel screw terminals, and input level selectors are located on the rear panel. Color coded program output binding posts, the PA output and the PA level control are also located on the rear panel.



SPECIFICATIONS

INPUTS

Mixers 1-3: two per mixer, externally switch selectable, high or low level.

Mixer 4: one switch selectable high or low; three high level.

TEST

Internal 1 KHz oscillator, level adjustable.

OUTPUTS

Program: 600 ohms, transformer balanced, +8 dBm nominal, +18 dBm maximum.

Cue: 0.5 watts RMS; internal speaker provided, FET muted.

Headphones: 1.0 watts RMS at 8 ohms. Front panel jack for 8 ohms, 16 ohms, or HiZ headphones.

PA: 10,000 ohms unbalanced, 0.45 V for +8 dBm maximum output.

FREQUENCY RESPONSE

Program and PA Outputs
±1.5 dB, 30 Hz to 20 KHz

POWER REQUIREMENTS

10.5 watts, 117 VAC, 50/60 Hz.

DISTORTION

Program output less than 0.15% at +8 dBm into 600 ohms.

SIGNAL TO NOISE

Program output at least 65 dB below +8 dBm output with -50 dBm input.

SIZE

18" wide x 10" deep x 3.5" high.

MOUNTING

Standard EIA 19" rack.

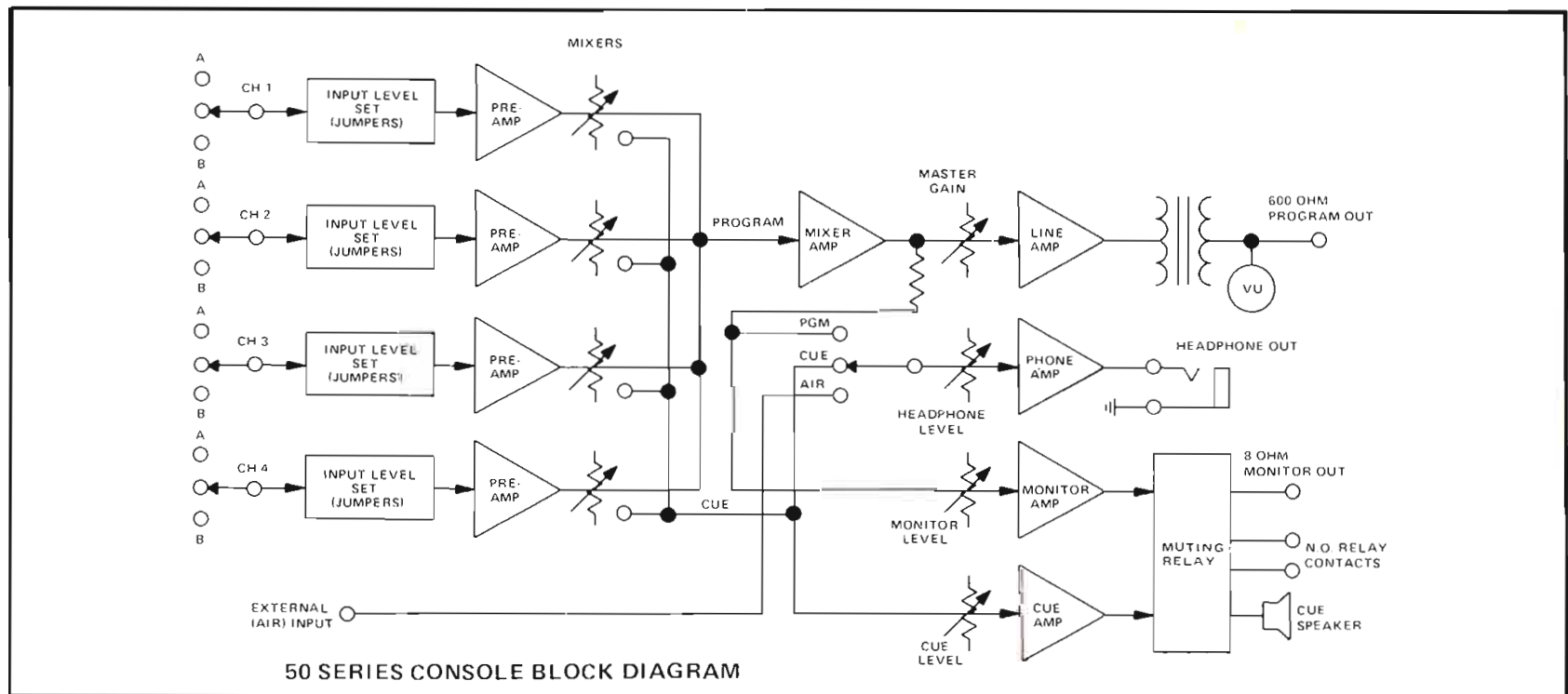
50 Series Mono

AUDIO CONSOLES



The monaural 4BEM-50 is a complete small console ideal for production, on-air, educational, or CATV use. The 4 mixers each accept two switch selectable inputs for a total of eight. Each mixer preamplifier can be wired for either microphone or line level sources. The mixers are long-life, sealed units for quiet, trouble-free operation. Speaker and headphone amplifiers are built-in for monitoring the console output, an

external source ("off-the-air"), or the cue circuit. Each mixer is equipped with a cue position which also feeds a built-in cue speaker. The cue speaker and outputs are controlled by a muting relay supplied as standard. The heavily filtered power supply is mounted in the cabinet. The optional rack version permits mounting the console in a standard 19" rack.



SPECIFICATIONS

INPUTS

Number: 8 inputs to 4 mixers, High or Low level, strappable.
Low Level: 150 ohm balanced; -65 dBm nominal, -42 dBm maximum; maximum gain 50 dB.
High Level: Balanced Bridging (10K ohms each side to ground); -20 dBm nominal, 0 dBm maximum, maximum gain 50 dB.

OUTPUTS

Program: 600 ohms, transformer balanced. +8 dBm nominal. +15 dBm maximum.
Monitor: 1.5 Watts RMS at 8 ohms.
Cue: 0.5 Watts RMS at 4 ohms. Internal cue speaker provided; external connections available.
Headphones: 0.5 Watts RMS at 8 ohms. Front panel jack for 8 ohms, 16 ohms, or HiZ headphones.

FREQUENCY RESPONSE

Program Output: ± 2 dB, 30 Hz to 20 KHz at 0 dBm.
Monitor Output: ± 2 dB, 40 Hz to 20 KHz at 1 Watt into 8 ohms.

DISTORTION

Program Output: Less than 0.5% at +8 dBm into 600 ohms.
Monitor Output: Less than 0.5% at 1 Watt into 8 ohms.

SIGNAL TO NOISE

Program Output: At least 65 dB below +8 dBm output with -50 dBm input.

MUTING

One muting relay provided to mute monitor output and cue speaker (internal or external). Normally open contacts provided for ON AIR light. Muting relay activated by any input.

CONTACTS

1A at 125 VAC, 1/2A at 250 VAC, resistive loads.

SIZE

18" wide x 13" deep x 7.5" high.

POWER REQUIREMENTS

30 Watts; 117 VAC 50/60 Hz or 230 VAC 50/60 Hz.

100/200 Series Mono

AUDIO CONSOLES

- 5 AND 8 MIXER MONAURAL, DUAL CHANNEL
- HIGH OR LOW LEVEL INPUTS ON ALL MIXERS



5BEM-200



8BEM-200



5BEM-100



8BEM-100

The monaural 100 and 200 Series are high quality full dual channel audio consoles. Pushbutton selected inputs are available to high or low level (switchable) plug-in preamps. Mixers are precision ladder attenuators (200 Series) or sealed long-life potentiometers (100 Series). Selection of audition or program channels is by FET's for fast, quiet and distortion-free operation. Both output channels are continually monitored by individual 3½" illuminated VU meters. Both audition and program channels have transformer balanced outputs rated at over +18 dBm peak, and are on interchangeable plug-in PC cards.

These consoles have full built-in monitoring capabilities. The eight watt monitor amplifier delivers sharp, true sound to three individually muted outputs. Program, audition,

and external (Off-Air) sources are front panel selectable. The separate headphone amplifier has both front panel and internal outputs. The cue amplifier (relay muted) drives a built-in or external speaker.

Three muting relays (two 100 Series) are provided for user convenience. Each can be wired to any mixer (channels 1, 2 and 3 are standard). Relay No. 1 mutes the cue speaker, and all relays control a monitor speaker output and a normally-open contact for warning lights, etc.

All internal connections are to screw-type barrier strips (except relay contacts and station ground) through two access openings in console bottom.

SPECIFICATIONS

INPUTS

Number: 10 inputs into 5 mixers (5BEM) and 16 inputs into 8 mixers (8BEM). All mixers high or low level (internally switchable).

Low Level: 150 ohms, balanced; -65 dBm nominal; -38 dBm maximum; maximum available gain = 92 dB.

High Level: Bridging (18K ohms each side to ground); -20 dBm nominal; +10 dBm maximum.

OUTPUTS

Program: 600 ohm, transformer balanced; +8 dBm nominal, +18 dBm maximum.

Audition: 600 ohm, transformer balanced; +8 dBm nominal, +18 dBm maximum.

Monitor: 8 Watts RMS; will drive 8 or 16 ohms.

Cue: 0.5 Watt RMS; 8 or 16 ohms; internal speaker and external connections provided.

Headphones: 0.5 Watt RMS; 8 or 16 ohms. Front panel jack and internal connections available.

FREQUENCY RESPONSE:

Program & Audition: ±0.5 dB, 20 Hz to 20 KHz Ref: 1 KHz @ +8 dBm output into 600 ohms.

Monitor: ±2 dB, 50 Hz to 20 KHz Ref: 1 KHz @ 1 Watt output into 8 ohms.

DISTORTION

Program & Audition: 0.5% THD or less, +18 dBm output into 600 ohms.

Monitor: 1% THD or less at rated load and output.

SIGNAL TO NOISE

Program & Audition: Noise (unweighted) 65 dB below +8 dBm output; referenced to -50 dBm input.

MUTING

100 Series: Two relays standard

200 Series: Three relays standard

Monitor: Monitor outputs through the relays.

Cue: Relay 1 mutes internal and external speakers.

CONTINUED ON NEXT PAGE

100/200 Series Mono

AUDIO CONSOLES

SPECIFICATIONS (Cont.)

Switching: Any relay can be activated through any mixer key, audition and/or program positions. Comes wired with relay one activated by channel 1, etc.

External Contacts (On-Air lights, etc.): 1 A. at 125 VAC; .5 A. at 250 VAC; resistive loads.

POWER REQUIREMENTS

115V or 230V, 50/60 Hz. 50 watts max. (100 Series), 70 watts max. (200 Series).

SIZE:

5BEM-100: 29.5" wide x 13" deep x 7.5" high.

5BEM-200: 29.5" wide x 14" deep x 9.5" high.

8BEM-100: 32.5" wide x 13" deep x 7.5" high.

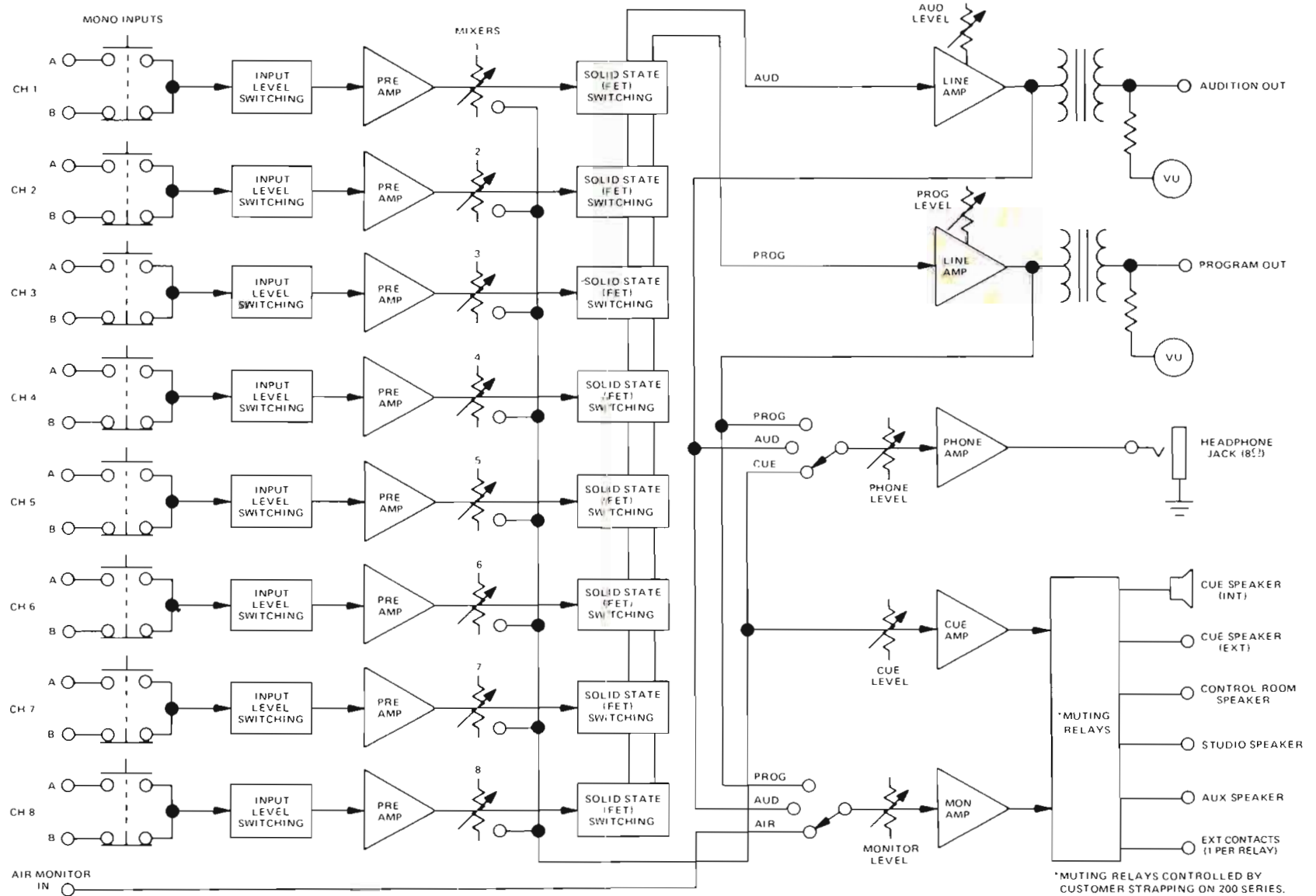
8BEM-200: 32.5" wide x 14" deep x 9.5" high.

OPTIONS

230V, 50/60 Hz operation.

4 mixer extender with remote line provisions.

Step attenuators (100 Series).



100/200 SERIES MONO CONSOLE BLOCK DIAGRAM

100/200 Series Stereo

AUDIO CONSOLES

- 5 AND 8 MIXER STEREO
- ALL MIXERS ACCEPT MONO OR STEREO, HIGH OR LOW LEVEL



5BES-200



8BES-200



5BES-100



8BES-100

These stereo consoles feature stereo mixers with pushbutton selection of high or low level inputs. Each preamp can also provide in-phase stereo from a mono source (switchable) to eliminate jumpers, impedance mismatch and phase errors. Mixers are long-life, low noise sealed pots (100 Series) or precision step attenuators (200 Series). Switching is accomplished with FET's, for fast, quiet, low maintenance operation. Two 3½" illuminated VU meters continually monitor the program outputs (100 Series). On the 200 Series the meters are switchable to either the program or

audition outputs. Program (and optional audition) plug-in mixer-line driver cards provide a transformer-balanced +18 dBm output.

Built-in amplifiers are provided for stereo monitoring capabilities by speaker or headphones of the program, optional audition, external ('Off-the-Air'), and cue circuits. The cue bus features a composite of both the left and right channels for positive preview of stereo sources.

SPECIFICATIONS

INPUTS

Numbers: 10 inputs into 5 mixers (5BES) and 16 inputs into 8 mixers (8BES); all mixers high or low level (internally switchable).

Low Level: 150 ohms, balanced; maximum available gain = 92 dB; -65 dBm nominal; -38 dBm maximum.

High Level: Bridging (18K ohms each side to ground); -20 dBm nominal; +10 dBm maximum.

OUTPUTS

Program: 600 ohm, transformer balanced; +8 dBm nominal; +18 dBm maximum.

Audition (Optional in 100 Series): 600 ohm, transformer balanced; +8 dBm nominal; +18 dBm maximum.

Mono (Optional in 100 Series): 600 ohm transformer balanced; +8 dBm nominal; +18 dBm maximum; mixing ratio adjustable ±6 dB, left and right program channels.

Monitor: 8 Watts RMS per channel (200 Series), 2 Watts (100 Series), will drive 8 or 16 ohms.

Cue: 0.5 Watt RMS; 8 or 16 ohms; internal speaker and external connections provided.

Headphone: 0.5 Watt RMS per channel; 8 or 16 ohms, or HiZ; front panel jack and internal connections available.

FREQUENCY RESPONSE

Program & Audition: ±0.5 dB, 20 Hz to 20 KHz Ref: 1 KHz @ +8 dBm output into 600 ohms.

Monitor: ±2 dB, 50 Hz to 20 KHz Ref: 1 KHz @ 1 Watt output into 8 ohms.

DISTORTION

Program & Audition: 0.5% THD or less, +18 dBm output into 600 ohms.

Monitor: 1% THD or less at rated load and output.

SIGNAL TO NOISE

Program & Audition: Noise (unweighted) 65 dB below +8 dBm output referenced to -50 dBm input.

MUTING

100 Series: One relay standard, second relay optional.

200 Series: Three relays standard.

Monitor: Monitor outputs through each relay.

Cue: Relay 1 mutes internal and external speakers.

Switching: Any relay can be activated through any mixer key, audition and/or program positions; comes wired with relay one activated by channel 1, etc.

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100/200 Series Stereo

AUDIO CONSOLES

External Contacts (On-Air lights, etc.): 1 A. at 125 VAC; .5 A. at 250 VAC; resistive loads.

POWER REQUIREMENTS

115V or 230V, 50/60 Hz. 85 Watts max. (100 Series), 105 Watts max. (200 Series).

SIZE

5BES-100: 29.5" wide x 13" deep x 7.5" high.

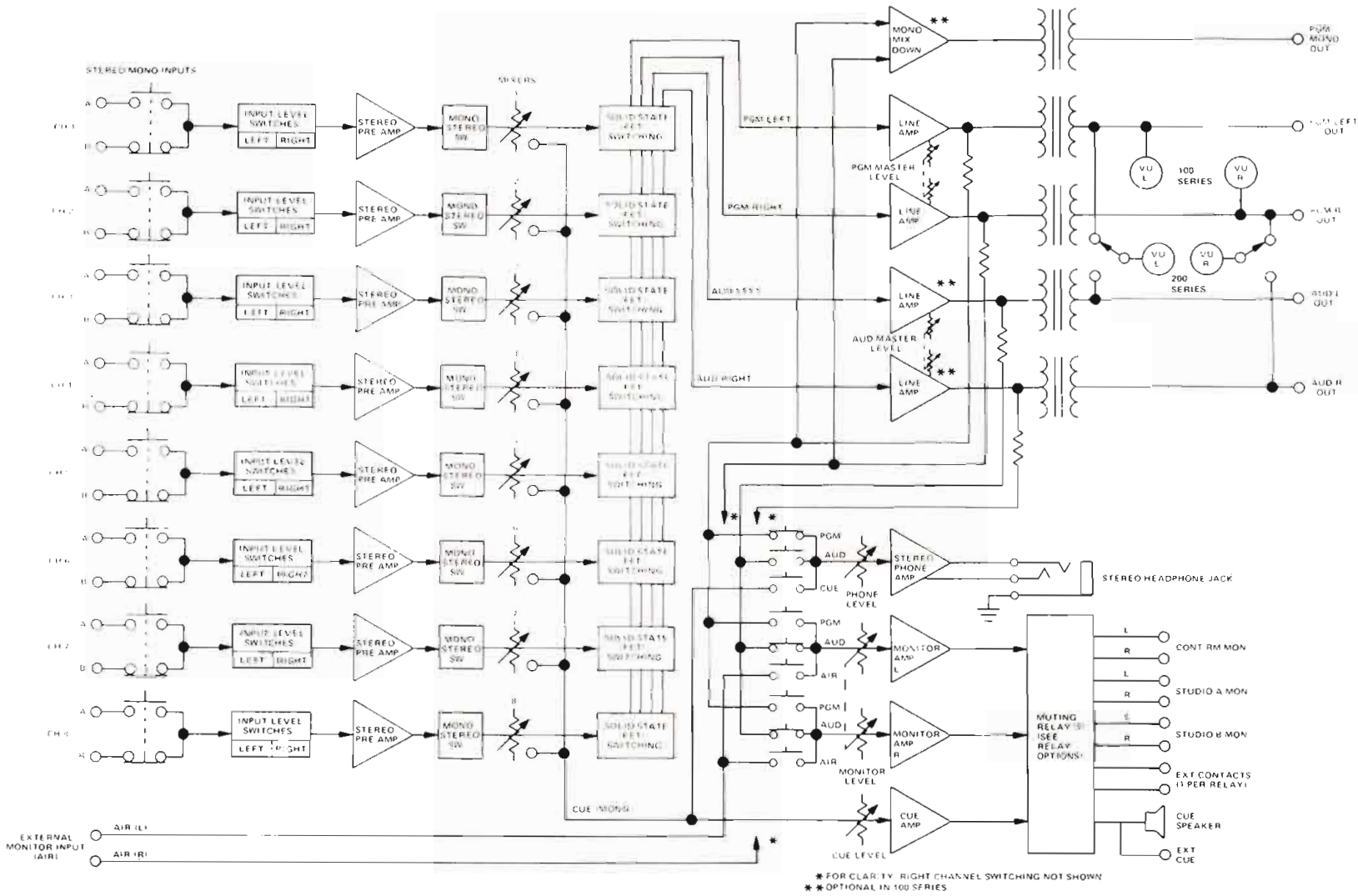
5BES-200: 29.5" wide x 14" deep x 9.5" high.

8BES-100: 32.5" wide x 13" deep x 7.5" high.

8BES-200: 32.5" wide x 14" deep x 9.5" high.

OPTIONS

- 230 VAC, 50/60 Hz operation.
- 4 mixer extender with remote line provisions.
- Mono matrix module (100 Series).
- Second muting relay (100 Series).
- Step attenuators (100 Series).
- Line amplifier module for audition channel (100 Series).

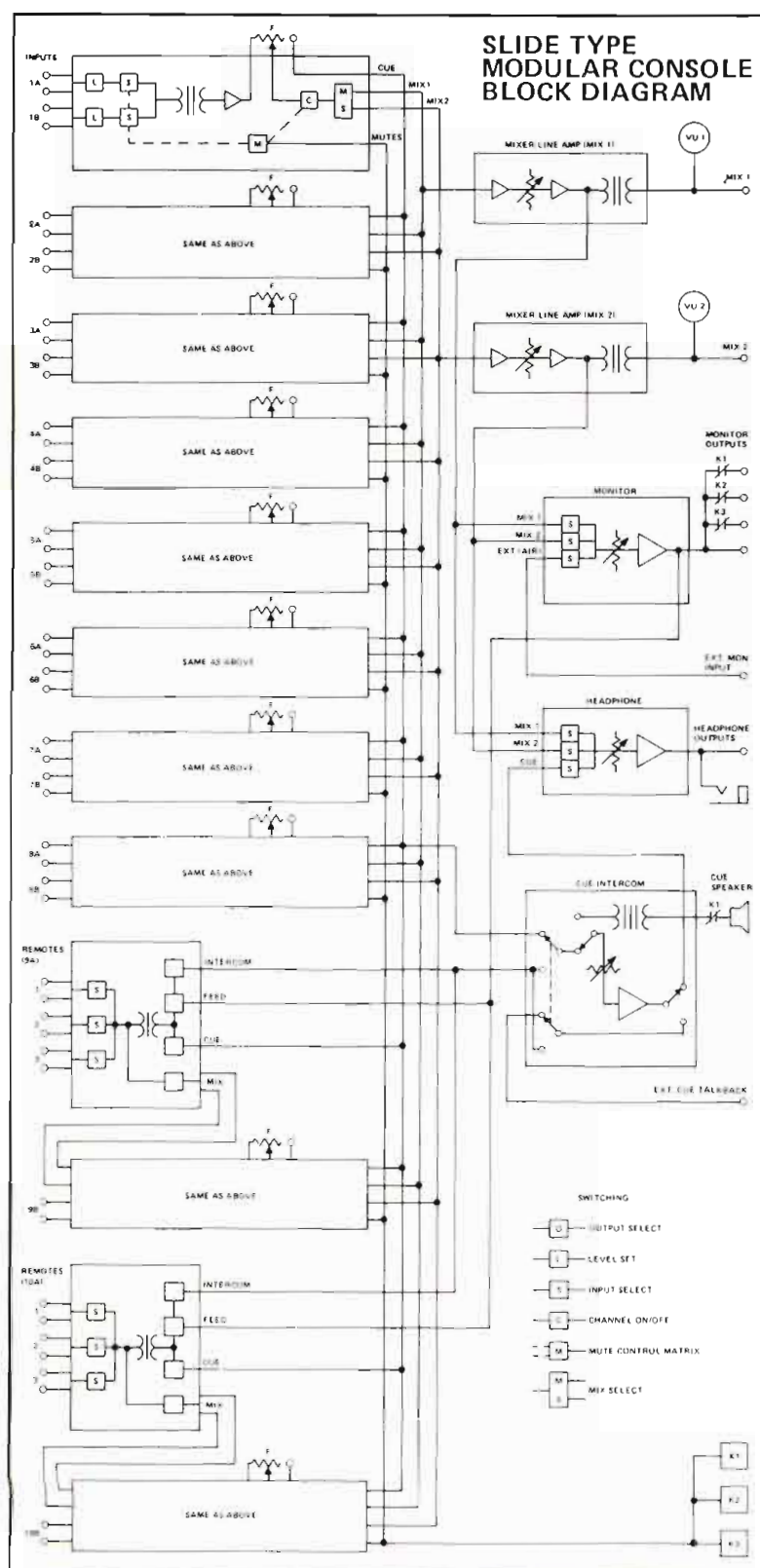


100/200 SERIES STEREO CONSOLE BLOCK DIAGRAM

Series 2006 Slide Type Mono/Stereo Consoles

AUDIO CONSOLES

- COMPLETELY MODULAR CONSTRUCTION – ALL ACTIVE ELECTRONICS ARE UNPLUGGABLE
- ANY NUMBER OF MIXERS – START WITH SIX, EXPAND TO TEN
- CONDUCTIVE PLASTIC LINEAR FADERS WITH CUE SWITCH
- ALL INPUTS TRANSFORMER COUPLED
- BUILT-IN INTERCOM/TALKBACK PROVISION



SPOTMASTER[®] SLIDE-MOD modular consoles provide the ultimate in versatility and features. These new consoles, available in both mono and stereo models, have linear slide faders and completely modular construction with all active electronics on plug-in modules. Initially, the console can have six mixers, and it may be expanded to ten mixers by plugging in additional modules. All functions are activated by pushbutton switches.

The basic console frame assembly accepts up to ten input modules. All modules have pushbutton switching of audio to two mix busses. A separate on/off switch permits pre-setting of the mixer. Each module accepts 2 inputs either of which are switchable to the conductive plastic slide mixer. Two mixers accept 4 inputs including three remote lines with provisions to mix, cue or feed monitor/intercom. Both mix busses have transformer-balanced outputs exceeding +18 dBm.

The SLIDE-MOD consoles have full built-in monitoring capabilities. A ten watt monitor amplifier delivers sharp, true sound to three individually muted outputs. The cue amplifier (FET muted) drives an internal or external speaker.

Three muting relays are provided for user convenience. Each can be wired to any input. Relay No. 1 mutes the cue speaker, and all relays control a monitor speaker output and a normally open contact for warning lights, etc.

SPECIFICATIONS

INPUTS: Positions 1-8: 2 inputs per mixer, each input switchable for microphone or line input. Positions 9-10: 4 inputs per mixer, 1 line and 3 remote; remote inputs mix, cue, or feed.

OUTPUTS: Mix 1, Mix 2: 600 ohm, transformer balanced, +8 dBm nominal, +18 dBm maximum. Monitor: 10 watts RMS, will drive 8 or 16 ohms. Cue: 0.5 watts RMS, 8 ohm internal speaker (switchable to intercom and talkback). Headphone: 0.5 watt RMS, 8 or 16 ohms or HiZ, front panel jack.

FREQUENCY RESPONSE: Program & Audition: +0.5 dB (ref 1 KHz) 20 Hz to 20 KHz at +8 dBm into 600 ohms. Monitor: +2 dB (ref 1 KHz) 30 Hz to 20 KHz at 1 watt into 8 ohms.

DISTORTION: Program & Audition: 0.5% THD or less at +18 dBm into 600 ohms. Monitor: 1% THD or less at rated load.

SIGNAL TO NOISE: Program & Audition: Noise (unweighted) 72 dB below +8 dBm output (ref -50 dBm input).

MUTING: Three Relays. Monitor: Monitor outputs through each relay. Switching: Any relay can be activated through any input. Shipped with relay 1 activated by channel 1, etc. External Contacts: 24 volts provided for external control relays.

POWER REQUIRED: 115/230 VAC, 50/60 Hz, 60 watts.

SIZE: 37-1/2" wide x 26-1/2" deep x 10-1/2" high.

CLE-500 Sound Britener Compressor/Limiter/Expander

AUDIO PROCESSING AND
DISTRIBUTION AMPLIFIERS



The Sound Britener combines compressor, limiter and expander functions to provide optimum level for maximum modulation power and coverage without danger of over modulation. Signal processing is smooth and quiet without distortion, pumping, or sucking of background noise. As a compressor/limiter/expander, the Sound Britener includes all characteristics of traditional gated automatic gain control amplifiers and fast acting peak limiters.

Automatic and self-controlling functions within the CLE-500 eliminate the need for several companion units required in

SPECIFICATIONS

Input: 600 ohms, transformer balanced.

Input Sensitivity: Minimum: -40 dBm for +25 dBm output.
Maximum: +30 dBm for +25 dBm output.
-20 dBm yields +25 dBm output with 0 compression/expansion.

Maximum Overall Gain: 65 dB (full expansion).

Output: 600 ohms, transformer balanced, +25 dBm maximum.

Maximum Expansion: 20 dB.

Maximum Compression: 30 dB before clipping.

- **AUTOMATIC LEVEL CONTROL FOR THE AM BROADCASTER**
- **SINGLE UNIT CONTAINS ALL FUNCTIONS – NO NEED FOR ADDITIONAL AUDIO PROCESSORS**
- **SIMPLIFIED OPERATION – ONLY THREE CONTROLS**

some audio enhancement systems. There are just three controls:

- Input level control
- Output level control
- Unique peak-to-average “tightness” control.

A large 3” meter indicates expansion and compression. Compression, timing, and expansion limits are all determined automatically, while a switch provides for test and proofs of performance. In the “test” mode, the unit acts as a fixed gain amplifier.

Average/Peak Ratio: Adjustable from minimum 35 dB to maximum 1 dB.

Limiting Selection: Symmetrical (positive and negative) or asymmetrical (negative only) peak limiting.

Frequency Response: ±0.5 dB, 20 Hz to 20 KHz.

Distortion: Less than 0.5% total harmonic before clipping.

Noise: Minimum 70 dB below normal output with -20 dB input.

Equalization: Flat.

Power Requirements: 117 VAC, 50/60 Hz, 11 Watts.

CLE-FM Sound Britener Compressor/Limiter/Expander



- **AUTOMATIC LEVEL CONTROL FOR THE FM AND FM STEREO BROADCASTER**
- **PROVIDES MAXIMUM TRANSMITTER MODULATION WITH PROTECTION AGAINST OVER MODULATION**

The SPOTMASTER[®] FM SOUND BRITENER provides the FM or FM stereo broadcaster with a combination compressor/limiter/expander specifically designed for his needs. The FM SOUND BRITENER provides automatic level control to maximize transmitter modulation, while preventing over modulation. High frequency filtering prevents the 19 KHz pilot tone or other SCA sub-carrier frequencies from interfering with program material.

Two controls are employed to adjust the operating characteristics of the unit. The unique AVERAGE/PEAK RATIO control sets the dynamic range desired from a tight 1 dB to a loose 35 dB. The RETURN RATE determines the speed with which low level signals are expanded. In combination, these two controls permit tailoring the

FM SOUND BRITENER operation for the exact sound required for the individual station's programming.

The CLE-FM comes equipped for operation with the DOLBY B FM encoder. It may be used ahead of the DOLBY B encoder to provide compression or used as a peak limiter between the DOLBY B and the transmitter. Alternately, the CLE-FM may be placed in the TEST mode as a straight line amplifier when DOLBY encoding is employed.

SPECIFICATIONS

INPUT: 600 ohms, transformer balanced.

INPUT SENSITIVITY: **Maximum:** +26 dBm for +22 dBm output.
Minimum: -20 dBm for +22 dBm output. -20 dBm input yields +22 dBm output with 0 compression/expansion.

MAXIMUM OVERALL GAIN: 64 dB (full expansion).

OUTPUT: 600 ohms, transformer balanced, +22 dBm maximum.

MAXIMUM EXPANSION: 20 dB.

MAXIMUM COMPRESSION: 30 dB before clipping.

AVERAGE/PEAK RATIO: adjustable from minimum 35 dB to maximum 1 dB.

FREQUENCY RESPONSE: ±0.5 dB, 20 Hz, to 15 KHz.

PILOT CARRIER FILTER: 19 KHz filters installed on left and right inputs.

EQUALIZATION: **Test and Limit Only:** flat. **Normal:** 75 microsecond, 25 microsecond, or flat; optional 50 microsecond, 25 microsecond, or flat.

EXPANSION (RETURN) RATE: adjustable from 20 seconds to 5 seconds for 20 dB expansion.

DISTORTION: less than 0.5% total harmonic before clipping.

NOISE: minimum 70 dB below +8 dBm output with -10 dBm input.

Model CLA 20/40A Compressor-Limiter Amplifier

AUDIO PROCESSING AND
DISTRIBUTION AMPLIFIERS

The CLA 20/40A, combining both compression and limiting functions, has applications in both AM and FM installations. This amplifier has switchable control systems for symmetrical or asymmetrical peak limiting; pre-emphasized or flat audio response; and compress/limit, compress only or compress/limit off to provide complete flexibility. Any number of CLA 20/40A's can be strapped together as two for stereo or four for quad. Tracking accuracy is 2 dB or better (over 30 dB level differential range). A minor adjustment permits changing the time constant to 25 microseconds for use with Dolby B.

SPECIFICATIONS

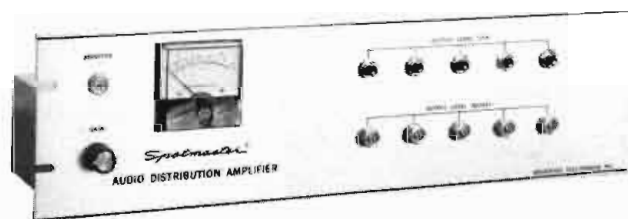
Input and Output Impedance: 600 ohms balanced or unbalanced
Input Level: -20 dBm to +20 dBm
Maximum Output Level: +24 dBm RMS
Frequency Response: 20 Hz to 20 KHz flat within 0.5 dB in AM or FM mode
Distortion: 0.5% or less, -20 dBm input with +10 dBm output
Maximum Gain: 40 dB
Noise Level: -65 dB below -20 dBm input with +10 dBm output



- SWITCHABLE SYMMETRICAL OR ASYMMETRICAL PEAK LIMITING
- SWITCHABLE EQUALIZED OR FLAT RESPONSE - AM/FM
- 40 dB DYNAMIC RANGE

Compression Ratio: 30 to 1
Automatic Gain Control Range: Better than 10:1
Metering: Gain reduction, output level +4 VU, +10 VU
AM-FM Operation: Both. Standard 75 microsecond pre-emphasis/de-emphasis used in FM operation or flat
Physical Dimensions: 3½" x 19" rack panel
Power Requirements: 120/240 volts, 50/60 Hz, 10 watts

AD1B Audio Distribution Amplifier



The AD1B distributes audio signals within a studio or to telephone lines. VU meter and aural monitoring of the input signal is provided, as well as separate monitoring and level controls for each output. The five highly isolated output channels are expandable up to 25 by the addition of AD1B-X Extenders, which also contain the same aural monitoring facilities as the AD1B. Both units are available with either optional output transformers or standard unbalanced emitter follower output. Input circuitry may be operated either bridging or matching and balanced or unbalanced.

SPECIFICATIONS

Input Impedance: Matching: 600 ohms, Bridging, 10 K-ohms. AD1B-X: 10 K-ohms, unbalanced.
Output Load Impedance: 600 ohms (Optional 150/600 ohms).
Input Level: Max.: +30 dBm, AD1B-X: +5 dBm. Min.: Matching -26 dBm, Bridging -10 dBm.
Output Level: (Per Channel) +4 dBm (+14 dBm peak).
Gain: Matching: 30 dB, Bridging: 14 dB. AD1B-X: Unity.
Frequency Response: ±1 dB @ 30 - 15 KHz, ±2 dB @ 20 - 20 KHz.
Distortion: Less than 1%.
Noise: 65 dB or better, below rated output.
Channel Separation: 60 dB.
Power Requirements: 115 VAC, 50/60 Hz, 50 watts, AD1B-X: 40 watts.
Dimensions: 19" wide x 5¼" high x 7-1/8" long.

Model BEM-10 Monitor Amplifier

The BEM-10 is a conservatively rated wide band amplifier capable of delivering from 10 to 15 watts RMS. Electronic muting is incorporated to enable the microphone and mute the program channel for paging operation.

SPECIFICATIONS

Power Output: 10 watts rms - 16 ohms unbalanced 25/70.7 volt balanced line. 12.5 watts rms - 8 ohms unbalanced. 15 watts rms - 4 ohms unbalanced.
Frequency Response: ±1 dB, 50-15,000 Hz.
Hum & Noise: Mic: 60 dB below 10 watts output.
Pgm: 70 dB below 10 watts output.



Program/Line Input: 25 K-ohm unbalanced; or 600 ohms balanced.
Mic Input: 150 ohms balanced (internal transformer). Screw Terminals.
Power Requirements: 115 VAC, 50/60 Hz, 30 watts.

Series 6000 Professional Reel-To-Reel Tape Recorder

- FULL PROFESSIONAL CAPABILITY IN COMPACT PACKAGE
- SEPARATE REEL TENSION MOTORS WITH ELECTRONIC BRAKING, DIGITAL MOTION SENSING
- FOUR HEADS, QUARTER OR HALF TRACK
- 600 OHM BALANCED INPUT AND OUTPUT WITH CANNON CONNECTORS

The SPOTMASTER[®] SERIES 6000 is a compact professional reel-to-reel recorder featuring advanced design and quality construction. It is a three motor, four head, 10½ inch reel capacity unit available in cabinet or rack mount versions.

The SERIES 6000 three motor drive system ensures gentle tape handling. The capstan is indirectly driven by a hysteresis synchronous motor. The reel torque motors provide tension and electronic braking. Digital motion sensing is employed to electronically interlock the controls, thus ensuring smooth transitions between modes without

SPECIFICATIONS

Tape Width & Channels: ¼ inch (6.3mm)
2 channel (0.075 in. or 1.9mm track width)
4 channel (0.040 in. or 1.0mm track width)

Tape Speeds: 7.5 and 15 ips (19 and 38 cm/s)
3.75 and 7.5 ips (9.5 and 19 cm/s)
Maximum deviation 0.15% measured with 1.5 mil (0.038mm) tape

Reel Size: 7 inch plastic or 10½ inch, EIA or NAB

Heads: Four head stacks: Three half track and one quarter track or three quarter track and one half track

Motors: Capstan: Two speed hysteresis synchronous
Reels: Two induction torque motors

Connectors: Line input and output, standard three-pin Cannon connectors

Inputs: Line: 0 dBm, balanced 600 ohms
Microphone: -70 dB, unbalanced 600 ohms

Outputs: Line: +4 dBm, balanced 600 ohms
Phone Jack: -24 dB, unbalanced 8 ohms

Equalization: NAB standard for 3.75, 7.5 and 15 ips

Frequency Response: 15 ips: NAB 30 Hz to 20,000 Hz ± 2 dB
7.5 ips: NAB 40 Hz to 18,000 Hz ± 2 dB
3.75 ips: NAB 40 Hz to 10,000 Hz ± 2 dB
Specifications referred to 1000 Hz zero reference when recorded on 3M 206 or equivalent low noise tape

STUDIO EQUIPMENT



SERIES 6000
SHOWN IN
MAHOGANY
CABINET



SERIES 6000
SHOWN WITH
RACK
ADAPTERS

tape breakage or spillage.

The SERIES 6000 is equipped with four heads in either quarter or half track configurations. Facilities are provided for recording and reproducing two channels. Provision for synchronous playback is standard in the SERIES 6000 to permit reproduction with the record head. This feature permits multi-track recording coordinated with previously recorded tracks. Standard source/playback switching is provided on the output for "A-B" monitoring during recording.

Signal to Noise Ratio: (Unweighted per ANSI-A):

Tape Speed	Two Track	Four Track
15 ips NAB	65 dB	63 dB
7.5 ips NAB	65 dB	63 dB
3.75 ips NAB	65 dB	63 dB

Crosstalk: 1000 Hz, 2 track, greater than 50 dB

Flutter and Wow: (Measured per ANSI 54.3):

Tape Speed	Peak Weighted
15 ips	less than 0.04%
7.5 ips	less than 0.08%
3.75 ips	less than 0.12%

Distortion: Less than 1% at 1000 Hz at 0 dB

Bias and Erase Frequency: 133 kHz

Test Oscillator Frequency: 1000 Hz

Operating Position: Vertical or horizontal

Power Requirements: 117 V, 50/60 Hz, single phase AC, 80 watts

Operating Environment: 40° to 104°F (5° to 40°C)
20 to 80% RH

Weight: 45 lbs. (20.4 kg)

Mounting: Mahogany cabinet or optional EIA 19" rack mount

Dimensions: 19½ in. high x 17 in. wide x 7 3/8 in. deep
(49.5 x 43.2 x 18.7 cm)

Standard Accessories: Empty 10½ inch reel, reel hold down knobs, fuse and lamps, NAB reel shim

Broadcast and Recording Microphones



COMPLETE LINE
OF MICROPHONES
AVAILABLE



635A



RE50

635A: Smooth, carefully shaped response yields "flat effect" when used close up. Built-in four-stage pop and breath blast filter.

Cable and mounting clamp furnished. Response: 80 to 13,000 Hz. Lo-Z. Output level: -55 dB.

RE50: For vocals, interviewing, instrumental broadcast, and recording. Extremely low susceptibility to mechanical shock, handling and cord noise, or breath pops due to unique double case design separated by rubber isolation mounting. Same electrical characteristics as the 635A.

Turtable Pre-Amplifiers Models BETMS-100/200

STUDIO EQUIPMENT



- UNBALANCED OUTPUT – BETMS 100
- BALANCED TRANSFORMER OUTPUT – BETMS 200

SPOTMASTER® BETMS turntable pre-amplifiers provide the professional studio with accurate reproduction, outstanding reliability, and versatile operation. Both models are dual channel integrated circuit devices for monophonic or stereophonic phono cartridges. Either model operates in five modes:

1. As a single stereo preamplifier with stereo in/stereo out.
2. As a dual monophonic unit with two mono in/two mono out.
3. As a single monophonic preamp with one mono in/one mono out.
4. As a stereo to mono converter with stereo in/one composite mono out.
5. As a dual stereo to mono converter with stereo in/two composite mono out.

This operational versatility means the BETMS preamplifier provides a true composite mono signal mixed from a stereo pick-up required for many records.

The right channel phase reversal capability simplifies installation in stereo facilities. In monophonic facilities this

feature permits correction of improperly mixed records. The integrated circuitry of the BETMS provides trouble-free operation for the life of the unit. This circuitry also provides stable operation which ensures rated operation without field adjustment.

SPECIFICATIONS

Output Level: +8 dBm nominal, +16 dBm peak, into 600 ohms. Each output continuously adjustable.

Output Impedance: BETMS-100 150 ohms unbalanced. BETMS-200: 600 ohms balanced, 150 ohms balanced (wiring option).

Input Sensitivity: 5 mV. for +8 dBm output, at 1 KHz.

Input Impedance: 47,000 ohms resistive (50 pf parallel).

Signal to Noise: 65 dB or better for 5 mV. input, +8 dBm output, 1 KHz.

Equivalent Input Noise: 2.8 microvolts (116 dB below output with 600 ohm load).

Channel Separation: 65 dB or better for +8 dBm output, 1 KHz, into 600 ohms, with 5 mV input.

Frequency Response: ±1 dB of RIAA equalization curve, 50 - 15,000 Hz.

Distortion: Less than 0.25% THD at 1 KHz, +8 dBm output into 600 ohms.

Equalization: Standard NAB/RIAA Disc Reproduction.

Front Panel Controls: Power on/off, Left Output Level, Right Output Level, Mono/Stereo Mode Switch, Right Channel Phase Reversal Switch.

AC Power: 100 to 135 VAC, 50/60 Hz. 200 to 270 VAC, 50/60 Hz (optional) 6 watts max.

Dimensions: 9½ inches wide (24.1 cm.). 6½ inches deep (16.5 cm.). 3 inches high (7.62 cm.).

Weight: 3.5 lbs. (1.6 Kg.)

Professional Turntables

CUE-MASTER – 3 SPEED

- No slip starting
- Bronze platter shaft bearing
- Motor on-off switch light
- Rugged construction, only 3 rotating parts
- Simple capstan to idler drive

SPECIFICATIONS

Dimensions: 15½" x 15½"

Weight: 16 lbs.

Wow & Flutter: .3 of 1%.

Motor: Hysteresis Sync

Rumble: 36 dB below NAB level at all speeds.



STUDIO-PRO B – 2 SPEED

- Precision engineered for quiet, dependable operation
- Solid cast aluminum chassis and turntable
- Illuminated speed indicators
- Tightest cue potential in the industry
- "Direct Drive" . . . no belts
- Detachable tone arm mounting plate

SPECIFICATIONS

Dimensions: 15½" x 15½"

Weight: 20 lbs.

Wow & Flutter: Less than .2 of 1%

Motor: Hysteresis Sync

Rumble: 38 dB below NAB level @33 and 45 RPM

Bearings: Bronze Oilite throughout

Power Requirements: 110 V ac, 60 Hz (50 Hz available)



Micro-Trak Tone Arms

Micro-Trak tone arms feature low resonance and very small tracking errors. Available in 12 and 16 inch models. Full line of cartridges and styli available. see price list.

No. 303 12"

No. 306 16"



Control Room Furniture



- MODULAR DESIGN FOR COMPLETE FLEXIBILITY.
- SINGLE AND DUAL TURNTABLE CABINETS.
- DESK TOP SECTION MOUNTS ON CABINETS OR METAL LEGS.

A new look is offered in the SPOTMASTER® modular control room furniture. This modular design provides a unique solution to the problem of providing functional workspace in the broadcast studio. Turntables, tape cartridge machines, cueing, and switching control panels may all be located within arms reach of the main control board. This "human engineered" system provides almost ultimate flexibility in a group of off the shelf components used to make your custom studio installations.

Durable, color keyed, suede formica covered side panels (in a summer pecan wood grain finish) and tops (in French Blue) create an exciting attractiveness. Formica, with its inherent resistance to damage from coffee stains, cigarette burns, and the like insures that your furniture will maintain its initial beauty for many years. (Special colors available at extra cost)

STUDIO EQUIPMENT



SPECIFICATIONS

DUAL TURNTABLE CABINET

Construction: Panels fabricated from high density particle board 3/4" thick (front and rear closure panels 5/8" thick) with formica press bonded using urea type heat activated adhesive.

Panel Space: Two 17-1/2" high panel openings front and rear to accommodate standard 19 inch E.I.A. style equipment panels on steel mounting rails.

Weight: 117 lbs. Includes complete cabinet with wood grained closure panels for front and rear openings.

SINGLE TURNTABLE CABINET

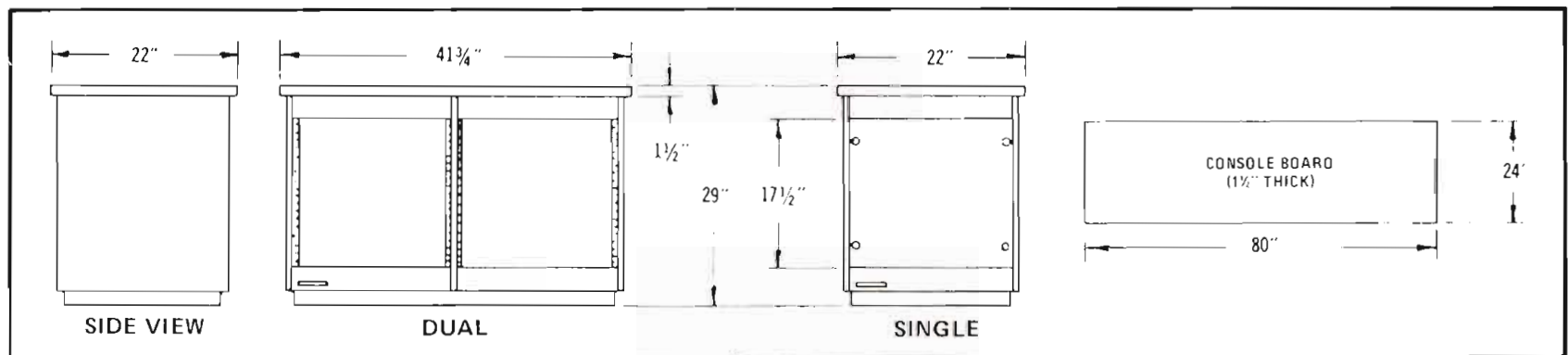
Construction: Panels fabricated from high density particle board 3/4" thick (front and rear closure panels 5/8" thick) with formica press bonded using urea type heat activated adhesive.

Weight: 66 lbs. Includes complete cabinet with wood grained closure panels for front and rear openings.

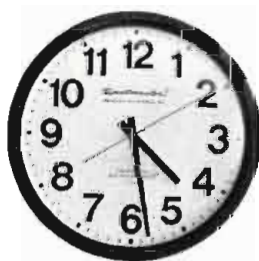
DESK TOP

Mounting: Mounts on top of single or double bay cabinets with brackets provided or on separate bright metal legs.

Height Mounted: 29 inches.



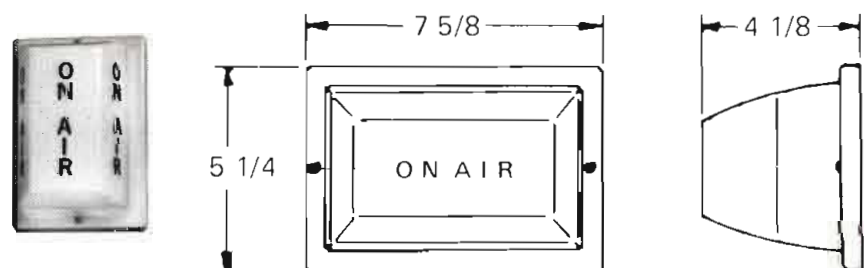
Studio Clock



- LARGE 12" DIAMETER FACE WITH 1-1/2" NUMERALS, RED SWEEP SECOND HAND.
- PRECISION ACCURACY ±1 MINUTE IN ONE YEAR.
- 1 YEAR FACTORY WARRANTY.
- POWERED BY 2 "C" BATTERIES FOR 1 YEAR BATTERY LIFE.
- WHITE OR TAN FACE WITH CHARCOAL NUMERALS IN WOODHUE CASE 2-7/8" DEEP x 14-1/8" DIAMETER.

Warning Light

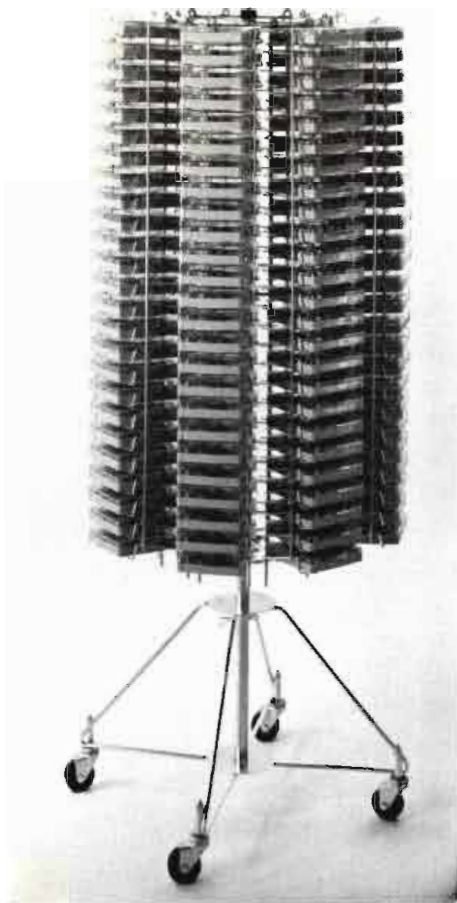
- OPTIONAL "ON-AIR" OR "AUDITION" SILK-SCREENING
- HORIZONTAL OR VERTICAL FORMATS



The STUDIO WARNING LIGHT is designed to mount to a flush wall or ceiling surface in a vertical or horizontal plane. Supplied complete with 25 watt red bulb and "Attention-Getter" flasher. Rated at 120V, 100watts; UL approved.

Cartridge Storage Racks

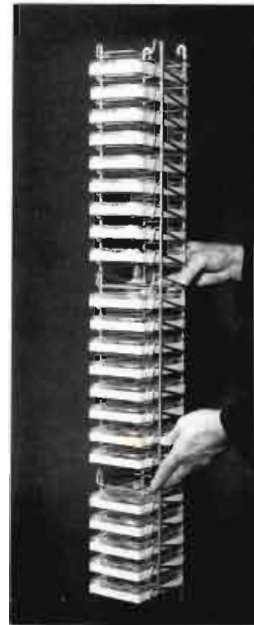
STUDIO EQUIPMENT



LS-200



LS-100



RS-25 RACK SECTION

Wire Units

LS-200 Lazy Susan – Holds 200 cartridges on rotating stand. Ideal for large storage situations requiring mobility. Equipped with 4 heavy-duty casters and constructed of rugged steel rod finished bright zinc. Each individual RS-25 section is removable 5 1/4" high, 20 1/2" diameter.

LS-100 Lazy Susan – Designed for table top use. Holds 100 cartridges with 4 removable RS-25 sections. Weighted Base. Ball bearing rotating stand. 39" high, 15" diameter.

Modular Units



DM-40



DM-20



RM-20



RM-100

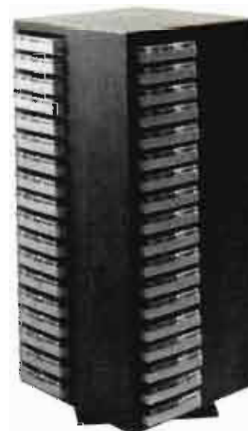
Desk Mount Modules – Rotating racks present four-sided storage in attractive Walnut Formica. DM-72 holds 72 cartridges, measures only 22" x 11" x 11". DM-200 provides 200 storage slots. 29 1/2" x 15 3/4" x 15 3/4".

DM-40 Walnut Woodgrain Finished Cabinet – Lazy Susan designed for tabletop operation; holds 40 "A" cartridges. 9-1/2" W x 8" D x 11-7/8" H. Weight 6-1/2 lbs.

DM-20 Walnut Woodgrain Finished Cabinet – Holds 20 "A" cartridges. Units may be stacked; 9-1/2" W x 4" D x 10-7/8" H. Weight 3-1/4 lbs.

RM-100 Wall Mount Rack – Holds 100 A size cartridges in minimum space. Walnut Formica trim. 2' x 2' x 4-3/8".

RM-20 is designed for standard 19" rack installation. Put vacant rack space to good use. Holds 20 A size cartridges in only 5 1/4" vertical space. Made of aluminum.



DM-72



DM-200

BETM-100 Tape Cartridge Winder

The SPOTMASTER® BETM-100 Tape Cartridge Winder is a rugged, dependable and field tested unit which fills a need in every station using cartridge equipment. It handles all reel sizes and runs at 22.5 ips. Worn tape in old cartridges is easily replaced, and new or old cartridges may be wound to any length. Tape timer installed, optional.

BET-50 Tape Timer

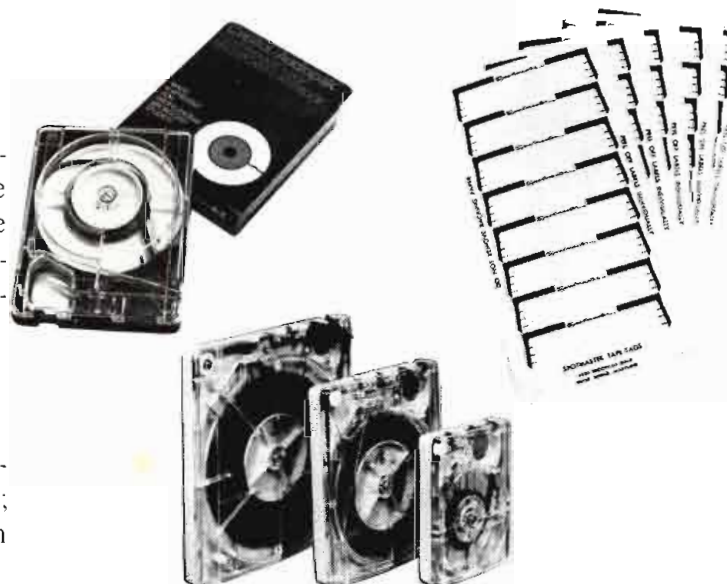
Precise tape or speed measuring device with scale calibrated in minutes and seconds at 7.5 and 3.75 ips. Features time reset knob and strobe disc for speed checks. Use with reel-to-reel decks, cart machines and tape winder.

STUDIO AND CARTRIDGE ACCESSORIES



Broadcast Tape Cartridges Audiopak and Fidelipac

SPOTMASTER maintains complete stocks of AUDIOPAK and FIDELIPAC NAB specification tape cartridges. A, B and C size cartridges are available empty, or pre-loaded with lubricated tape in various playtime lengths. Cartridge parts also available. No minimum orders, and discounts available in larger orders. See SPOTMASTER price list for complete list and details.



Tape Cartridge Tags

SPOTMASTER Tape Tags are handy self-adhesive labels especially die-cut and color-coded for cartridge cataloging. Easy to apply and remove; room for three typewritten lines. Sheets of eight tags each, available in eight distinctive colors.

Alignment Tapes

Specially pre-recorded cartridges contain 10 KHz alignment tones. NAB Test Tape No. 3 contains program test frequencies consistent with NAB cartridge specifications. Available in mono or stereo.

Bulk Tape

World-renowned SCOTCH recording tape specifically recommended by SPOTMASTER for tape cartridge use. Heavy-duty tape features a special lubricated surface for cleaner, longer tape and head life. 1800 foot/7 inch reel or 3600 foot/NAB hub available.



Tape Erasers

Handy bulk erasers essential for cartridge users to assure clean, noiseless tape. Model 200C handheld, easy to use with 6-foot cord and push-button thumb switch. Model 300C heavy-duty table top unit for cartridges, and equipped with spindle for reels up to 10.5 inches diameter, 1 inch wide. Both available in 117 or 230 VAC.



Supplies

Head Demagnetizer – Indispensable for proper head maintenance to insure maximum frequency response and low tape noise. Special pole piece will not damage head surface. Molded epoxy case. 117 VAC 50/60 Hz.

Tape Splicer – Two position cutting assembly cuts tape on 45° bias, then shifts for “Gibson-Girl” trim. Complete with tape, extra tape available in two sizes.

Cleaning Fluid – Our exclusive special blend, quickly desolves tape oxide. Will not harm heads or rubber parts. Safe to use. Available in 16 and 32 oz. cans.



TELCO/80 and TELCO/90 Automatic Telephone Message Systems

TELEPHONE ANSWERING
INTERFACE SYSTEMS

- PROVIDES AUTOMATIC RESPONSE AND RECORDS MESSAGE FROM CALLER
- TELCO/80 FOR USE WITH 400, 500 AND 605/610 SERIES CARTRIDGE MACHINES
- TELCO/90 FOR USE WITH 303, 305, 370 AND 1070 SERIES CARTRIDGE MACHINES

The TELCO 80/90 units provide audio and cartridge recorder-reproducer control interfaces with the Western Electric RDM/RDL Recorder Connectors. They give the user the option of fully automatic or manual announcement play and/or message record operation. These capabilities are totally unique in telephone/tape cartridge interface devices.



CONTROLS

Manual/Automatic Select: Selects operational mode. Will allow Recorder Connector to start cartridge machine, seize phone line, and connect audio path in Auto mode, when ringing voltage is sensed.

Manual Play: Connects audio to phone line and starts cartridge deck in play position. Phone line is held by TELCO even if handset is replaced in cradle, until message is over or distant party disconnects (most newer exchanges).

Manual Record: Same as Manual Play, but record cartridge deck is activated. Unless disabled, this deck will be in record mode and will hold line until manually stopped, automatically re-cues, or distant party disconnects.

Auto Play Only: Starts playback deck and seizes line when ringing voltage is sensed. The line is released when the cartridge re-cues. The TELCO will only seize the line if a cartridge is loaded and actually starts.

Auto Play/Record: Will play the pre-recorded announcement as in Play Only mode. When the TELCO detects the 150 Hz (Q1) closure from the playback deck, the audio direction of the recorder connector is reversed (RDL version), the record deck is started in the record mode, and a tone is sounded to the distant party. The TELCO can be wired so that the playback deck re-cue disconnects the phone line and stops the recording, or the distant party disconnect or recording cartridge re-cue can disconnect the line.

If the second deck is a play only deck, and the RDM (bi-directional audio) Recorder Connector is used, two different announcements can be aired in sequence. The second deck re-cue will disconnect the phone line.

Auto Record Only: The ring-up voltage will start the record deck directly, and switch audio to its line input. The function is the same as the second half of the Play/Record mode.

SPECIFICATIONS

Dimensions: 10-1/8" wide x 2-3/4" high x 8-5/8" deep.

Connecting Cable: Provided with 15 feet of cabling and mating connector for W.E. RDM/RDL Connector. Also provided with 15 feet of cabling and connectors for two Spotmaster cartridge units.

Power: Required voltage supplied from associated cartridge machine.

Play Audio Monitor: Allows normal use of cartridge machine without disconnecting the TELCO 80/90.

TELCO III, IV, V and VI Series Answering Systems

- PROVIDES AUTOMATIC RESPONSE TO INCOMING CALLS
- INTERFACES BETWEEN SPOTMASTER[®] CARTRIDGE MACHINE AND BELL RECORDER COUPLER

All SPOTMASTER record-playback and playback units can be adapted for Automatic telephone response. Install the Telco between the unit and a standard Bell System RDM Recorder Coupler. Allows pre-recorded messages, advertising, audio reports, etc. to automatically respond to incoming calls. The Telco provides the required signal level and switching interface between the cartridge machine and Bell KS19522-L1 (or L2) recorder coupler. Models available for automatic or combined manual/automatic operation.



TC-4 Counter

The TC-4 registers the number of incoming calls to the Spotmaster unit. Counter installs under tape deck lid.

- COMPLETELY EQUIPPED TO SERVE YOU WITH SPOTMASTER PARTS AND REPAIRS – BOTH IN AND OUT OF WARRANTY
- REGIONAL DEPOTS REDUCE PARTS DELIVERY TIME AND REPAIR TURN-AROUND TIME



1. Riggins Electronic Sales

2331 San Anselme
Long Beach, CA 90815
Ph: (213) 596-6247

George Riggins

States Covered:

Alaska Nevada
Arizona Oregon
California Washington
Hawaii

2. Dyma Engineering

Route 1, Box 51
Taos, NM 87571
Ph: (505) 758-2686

Carroll Cunningham

States Covered:

Colorado Oklahoma
Idaho Texas
Montana Utah
New Mexico Wyoming

3. TV Engineering Corporation

519 Rudder Road
Fenton, MO 63026
Ph: (314) 343-5605

Jack Vines

States Covered:

Arkansas Michigan
Illinois Minnesota
Indiana Missouri
Iowa Nebraska
Kansas North Dakota
Kentucky South Dakota
Louisiana Wisconsin

4. Communication Medias

P.O. Box 54
501 North Tenth Street
Allentown, PA 18105
Ph: (215) 437-0607

Bill Davies

States Covered:

Connecticut New York
Delaware Ohio
Maine Pennsylvania
Maryland Rhode Island
Massachusetts Vermont
New Hampshire Washington, D. C.
New Jersey

5. Electroneering, Inc.

Micro Road
Micro, NC 27555
Ph: (919) 284-2102

Al Moore

States Covered:

Alabama South Carolina
Florida Tennessee
Georgia Virginia
Mississippi West Virginia
North Carolina

6. Nortec West, Ltd.

325 West Fifth Avenue
Vancouver 10, B.C., Canada
Ph: (604) 872-8525

Bob Whitehouse

Provinces Covered:

British Columbia
Yukon Territory

7. Nortec West, Ltd.

7056B Farrell Road
Calgary, Alta., Canada
Ph: (403) 252-8141

Ron Hill

Provinces Covered:

Alberta
Manitoba
NW Territory
Saskatchewan

8. J-Mar Electronics, Ltd.

6 Banigan Drive
Toronto 17, Ontario, Canada
Ph: (416) 421-9080

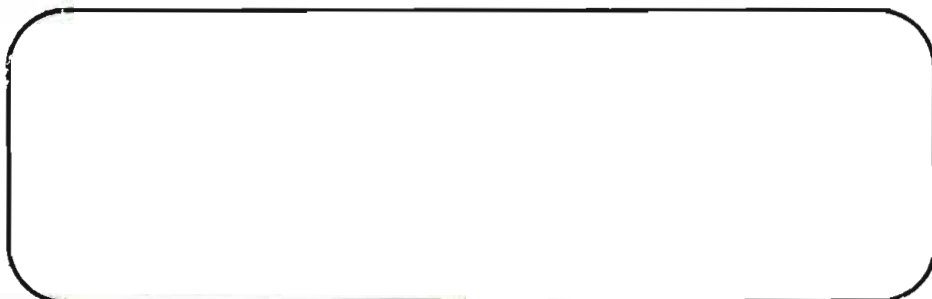
Bill Woods

Provinces Covered:

New Brunswick
Nova Scotia
Ontario
Quebec

IMPORTANT

PLEASE TELEPHONE OR WRITE FOR RETURN AUTHORIZATION BEFORE RETURNING EQUIPMENT OR PARTS. THIS WILL EXPEDITE SERVICE.



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WEST COAST SALES OFFICE: 1604 N. CAHUENGA BLVD. • LOS ANGELES, CA. 90028 • 213-465-1755

Spotmaster®

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Equipment Price List

(Domestic U.S.)

EFFECTIVE APRIL 1, 1975



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1604 N. CAHUENGA BLVD. • LOS ANGELES, CALIFORNIA 90028 • PHONE 213-465-1755

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TABLE OF CONTENTS

SINGLE DECK TAPE CARTRIDGE MACHINES	1-5	100/200 SERIES MONO	10
SERIES 1000	1	100/200 SERIES STEREO	10
SERIES 2000	1	2006 SERIES MONO/STEREO	11
SERIES 3000	2		
SERIES 4000	2	AUDIO PROCESSING AND DISTRIBUTION	
SERIES 400/500	3	AMPLIFIERS	11
THREE/70 SERIES	4		
TEN/70 SERIES	5	STUDIO EQUIPMENT	12-14
MULTI-DECK TAPE CARTRIDGE MACHINES	6-7	SERIES 6000 REEL-TO-REEL RECORDER	12
FIVE-SPOT AND TEN-SPOT SERIES	6	MICROPHONES	12
3-DECK AND 5-DECK MINI-SERIES	7	TURNTABLE PRE-AMPLIFIERS	13
CARTRIDGE MACHINE ACCESSORIES	8-9	TURNTABLES	13
PHASE-LOK II HEAD BRACKETS	8	TONE ARMS	13
REMOTE CONTROLS	9	CONTROL ROOM FURNITURE	14
FAULT/SPLICE DETECTORS	9	CARTRIDGE STORAGE FACILITIES	14
SEQUENCERS/SWITCHERS	9	STUDIO AND CARTRIDGE ACCESSORIES	15-16
AUDIO CONSOLES	10-11	TELEPHONE INTERFACE SYSTEMS	17
VERSA CONSOLE	10	TERMS AND CONDITIONS OF SALE	Back
50 SERIES MONO	10		Cover

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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SERIES 1000 TAPE CARTRIDGE MACHINES

Catalog Page 1

1000P	906-1000	Model 1000, Economy Monaural Playback, Compact Unit	\$ 435.00	A
1000RP	906-1001	Model 1000, Economy Monaural Record/Playback, Compact Unit	633.00	A
1000DL	906-1002	Model 1000, Economy Monaural Delay Programmer	550.00	A

FACTORY INSTALLED OPTIONS

		Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 25.00	A
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ACCESSORY

	906-2014	Dual Rack Adapter for Two Model 1000 Units	\$ 55.00	B
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SERIES 2000 TAPE CARTRIDGE MACHINES

Catalog Page 1

2000P	906-2000	Series 2000, Monaural Playback, Compact Unit	\$ 465.00	A
2000RP	906-2001	Series 2000, Monaural Record/Playback Compact Unit complete with Factory Installed Record Module and Head	675.00	A
2000PA	906-2002	Series 2000, Monaural Playback/Audition Compact Unit complete with Factory Installed Audio Module	575.00	A
2000PS	906-2020	Series 2000, Stereo Playback, Compact Unit	590.00	A
2000RPS	906-2021	Series 2000, Stereo Record/Playback Compact Unit complete with Factory Installed Record Module and Head	890.00	A

FACTORY INSTALLED OPTIONS

		Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 25.00	A
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FIELD INSTALLATION KITS

	906-2012	2000 Mono Record Module, Complete with Record Head and Cue Trip I (150 Hz) Generator to Convert 2000P to Record/Playback	\$ 225.00	A
	906-2013	2000 Mono Audio Module, Complete with Amplifier and Speaker to Convert 2000P to Playback/Audition	125.00	A

ACCESSORY

	906-2014	Dual Rack Adapter for Two Series 2000 Units	\$ 55.00	B
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Note: Accessory audio switcher is listed on page 9.

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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SERIES 3000 TAPE CARTRIDGE MACHINES

Catalog Page 2

3100P	906-3100	Mono, Playback Only, A Size Cartridges	\$ 665.00	A
3100PS	906-3101	Stereo, Playback Only, A Size Cartridges	765.00	A
3200P	906-3200	Mono, Playback Only, A & B Size Cartridges	685.00	A
3200RP	906-3201	Mono, Record/Playback, A & B Size Cartridges	1,175.00	A
3200PS	906-3202	Stereo, Playback Only, A & B Size Cartridges	785.00	A
3200RPS	906-3203	Stereo, Record/Playback, A & B Size Cartridges	1,350.00	A
3200DL	906-3204	Mono, Delay Programmer, A & B Size Cartridges	1,100.00	A
3200SDL	906-3205	Stereo, Delay Programmer, A & B Size Cartridges	1,300.00	A
3300P	906-3300	Mono, Playback Only, A, B, & C Size Cartridges	735.00	A
3300RP	906-3301	Mono, Record/Playback, A, B & C Size Cartridges	1,225.00	A
3300PS	906-3302	Stereo, Playback Only, A, B, & C Size Cartridges	815.00	A
3300RPS	906-3303	Stereo, Record/Playback, A, B & C Size Cartridges	1,385.00	A

FACTORY INSTALLED OPTIONS

906-3000	Q Trip I & II (150 Hz and 8 KHz), Playback Only Models	\$ 55.00	A
906-3001	Q Trip I & II (150 Hz and 8 KHz), Record/Playback Models	80.00	A
906-3002	Adjustment of Equalization to IBA/IEC Specifications	NC	A
906-3003	Microphone Input Option, Mono Record/Playback Models	40.00	A
906-3004	Microphone Input Option, Stereo Record/Playback Models	60.00	A
906-3005	Manual Fast Forward, All Models	50.00	A
906-3006	Automatic and Manual Fast Forward, Playback Only Models	115.00	A
906-3007	Automatic and Manual Fast Forward, Record/Playback Models	140.00	A
—	Alternate Tape Speed or Line Voltage/Frequency Standards	50.00	A

ACCESSORIES

906-3013	Rack Mount Shelf for EIA 19" Rack	\$ 53.00	B
906-3014	Rack Shelf Filler Panel, 1/3 Rack	15.00	B
906-3015	Rack Shelf Filler Panel, 1/2 Rack	20.00	B

Note: Accessory remote controls and tape fault/splice detector listed on page 9.

SERIES 4000 TAPE CARTRIDGE MACHINES

Catalog Page 3

4200P	906-4200	Mono, Playback Only, A & B Size Cartridges	\$ 690.00	A
4200PS	906-4202	Stereo, Playback Only, A & B Size Cartridges	795.00	A
4300P	906-4300	Mono, Playback Only, A, B, & C Size Cartridges	750.00	A
4300RP	906-4301	Mono, Record/Playback, A, B & C Size Cartridges	1,230.00	A
4300PS	906-4302	Stereo, Playback Only, A, B, & C Size Cartridges	830.00	A
4300RPS	906-4303	Stereo, Record/Playback, A, B & C Size Cartridges	1,395.00	A

(Continued next page)

SERIES 4000 (Continued)

FACTORY INSTALLED OPTIONS

906-4000	Q Trip I & II (150 Hz and 8 KHz), Playback Only Models	\$ 55.00	A
906-4001	Q Trip I & II (150 Hz and 8 KHz), Record/Playback Models	80.00	A
906-4002	Adjustment of Equalization to IBA/IEC Specifications	NC	A
906-4003	Microphone Input Option, Mono Record/Playback Models	40.00	A
906-4004	Microphone Input Option, Stereo Record/Playback Models	60.00	A
906-4005	Manual Fast Forward, All Models	50.00	A
906-4006	Automatic and Manual Fast Forward, Playback Only Models	115.00	A
906-4007	Automatic and Manual Fast Forward, Record/Playback Models	145.00	A
—	Alternate Tape Speed or Line Voltage/Frequency Standards	50.00	A

ACCESSORIES

906-4013	Rack Mount Shelf for EIA 19" Rack	\$ 53.00	B
906-4014	Rack Shelf Filler Panel, 1/2 Rack	20.00	B

Note: Accessory remote controls listed on page 9.

SERIES 400/500 TAPE CARTRIDGE MACHINES

Catalog Page 4

500D	900-0500	Monaural Record/Playback Unit, Compact	\$ 830.00	A
500DR	901-0500	Monaural Record/Playback Unit, Rack Mounting with Slides	870.00	A
505D	900-0505	Monaural Playback Unit, Compact	625.00	A
505DR	901-0505	Monaural Playback, Rack Mounting with Slides	640.00	A
500DS	900-0501	Stereo Record/Playback Unit, Compact	1,150.00	A
500DRS	901-0501	Stereo Record/Playback Unit, Rack Mounting with Slides	1,235.00	A
505DS	900-0506	Stereo Playback Unit, Compact	790.00	A
505DRS	901-0506	Stereo Playback Unit, Rack Mounting with Slides	870.00	A
500D/DL	900-0502	Delay, Record/Playback Unit, Compact	895.00	A
500DR/DL	901-0502	Delay, Record/Playback Unit, Rack Mounting with Slides	980.00	A
400B	900-0400	Monaural Record/Playback Unit, Compact	660.00	A
405B	900-0405	Monaural Playback Unit, Compact	485.00	A

Note: Transformer output optional in 400B and 405B

FACTORY INSTALLED OPTIONS

—	Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 45.00	A
840-0003	Installed Cue Trip I Sensor (400B Series, 500DS Series) (150 Hz)	68.00	A
840-0004	Installed Cue Trip I Sensor (500D, 505D) (150 Hz)	85.00	A
840-0005	Installed Cue Trip I Generator (400B Series, 500DS Series) (150 Hz)	48.00	A
840-0006	Installed Cue Trip I Generator (500D) (150 Hz)	48.00	A
840-0007	Installed Cue Trip II Sensor all models (8 kHz)	68.00	A

(Continued next page)

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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500D SERIES (Continued)

840-0008		Installed Cue Trip II Generator all models (8 kHz)	48.00	A
841-0010		Installed Microphone Preamplifier Option (Models 400B, 500DS Series, 500DR Series)	39.00	A
841-0002		Installed 600 ohm output transformer (400B, 405B)	22.00	A

Note: Accessory Remote Controls, audio switcher, and PHASE-LOK head brackets listed on pages 8 and 9.

FIELD INSTALLATION KITS FOR 500C, 505C, 500CR, 505CR, 500D, 505D, 505D/A, 500D/DL, 500DR AND 505DR

830-0100		Field Installation Kit, Cue Trip I Sensor (all units)(150 Hz)	\$ 127.00	C
		<i>Note: Dual tone sensor replaces standard single sensor. Credit Issued for single sensor under warranty.</i>		
830-0101		Field Installation Kit, Cue Trip I Generator (500CR, 500DR, 500C) (150 Hz)	53.00	C
830-0102		Field Installation Kit, Cue Trip I Generator (500D, 500D/DL) (150 Hz)	53.00	C
830-0200		Field Installation Kit, Cue Trip II Sensor (All Units) (8 kHz)	68.00	C
830-0201		Field Installation Kit, Cue Trip II Generator (All Units) (8 kHz)	53.00	C

FIELD INSTALLATION KITS FOR 400A, 405A, 400B, 405B, 500BS, 505BS, 500B/SA, 505B/SA, 500BRS, 505BRS, 500BR/SA, 505BR/SA, 500DS, 500DRS, 505DS and 505DRS

830-0100A		Field Installation Kit, Cue Trip I Sensor (400 Series) (150 Hz)	\$ 68.00	C
830-0100B		Field Installation Kit, Cue Trip I Sensor (500 Series) (150 Hz)	68.00	C
830-0101		Field Installation Kit, Cue Trip I Generator (All Units) (150 Hz)	53.00	C

FIELD INSTALLATION KITS FOR 500BS, 505BS, 500B/SA, 505B/SA, 500BRS, 505BRS, 500BR/SA, 505BR/SA, 500DS, 500DRS, 505DS and 505DRS/S

830-0200		Field Installation Kit, Cue Trip II Sensor (8 kHz)	\$ 68.00	C
830-0201		Field Installation Kit, Cue Trip II Generator (8 kHz)	53.00	C

THREE/70 SERIES MINIATURE PLAYBACK TAPE CARTRIDGE MACHINES

Catalog Page 5

370A	900-3700	Spacesetter Compact Monaural Reproducer	\$ 521.00	B
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FACTORY INSTALLED OPTIONS

-		Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 50.00	A
840-0001		Installed Cue Trip I Sensor (150 Hz)	60.00	A
840-0002		Installed Cue Trip II Sensor (8 kHz)	45.00	A

FIELD INSTALLATION KITS

830-0204		Field Installation Kit, Cue Trip I Sensor (150 Hz)	\$ 65.00	C
830-0205		Field Installation Kit, Cue Trip II Sensor (8 kHz)	50.00	C

ACCESSORY

RA70	921-1070	Rack Panel Adapter for (3) 370 Units, Complete with Chassis Slides (pair)	\$ 100.00	B
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Note: Accessory remote control unit is listed on page 9.

CARTRIDGE MACHINE MAINTENANCE AND ALIGNMENT KITS

Catalog Page 5

Available upon request.

TEN/70 SERIES TAPE CARTRIDGE MACHINES

Catalog Page 6

1070RP	900-1070	Monaural Record/Playback, Compact Unit less Microphone Input	\$1,249.00	A
1070RP	900-1084	Monaural Record/Playback, Compact Unit with Microphone Input	1,319.00	A
1070P	900-1071	Monaural Playback Unit, Compact	897.00	A
1070RPS	900-1073	Stereo Record/Playback Unit, with PHASE-LOK Head Bracket	1,550.00	A
1070PS	900-1074	Stereo Playback Unit with PHASE-LOK Head Bracket	1,079.00	A
1070RP/DL	900-1072	Delay Unit, Record/Playback, Compact (Single Speed)	1,335.00	A
1070SDL	900-1075	Stereo Delay Programmer (Single Speed) with PHASE-LOK Head Bracket	1,750.00	A

FACTORY INSTALLED OPTIONS

		IBA/IEC Equalization Available Upon Request	\$ -	A
		Alternate Tape Speed or Line Voltage/Frequency Standards	50.00	A
	912-1020	Installed Cue Trip I Tone Generator (150 Hz for F-F Auto-Cue Automatic Sequencing)	42.00	A
	912-1022	Installed Cue Trip II Tone Generator (8 kHz) for auxiliary use	42.00	A
	910-2010	Installed Cue Trip I Tone Sensor (150 Hz)	66.00	A
	910-2011	Installed Cue Trip II Tone Sensor (8 kHz)	52.00	A

Note: Cue Trip Options not available for Model 1070SDL.

FIELD INSTALLATION KITS

	912-1020	Cue Trip I Tone Generator (150 Hz for F-F Auto-Cue Automatic Sequencing)	\$ 42.00	C
	912-1022	Cue Trip II Tone Generator (8 kHz) for auxiliary use	42.00	C
	910-2010	Cue Trip I Tone Sensor (150 Hz)	66.00	C
	910-2011	Cue Trip II Tone Sensor (8 kHz)	52.00	C

Note: Cue Trip Options not available for Model 1070SDL

	830-0500	Microphone preamplifier kit (for RP and RP/DL models)	65.00	C
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ACCESSORIES

RA70	921-1070	Rack Panel Adapter for (2) 1070 units or (1) 1070 and (1) RM10, Complete with Chassis Slides (pair)	\$ 100.00	B
RM10	818-0010	Cartridge Rack (10 slot storage) for use with 921-1070 adaptor	55.00	C
EB103	919-1030	Test Extender PCB Module	24.00	C

Note: Accessory remote control and PHASE-LOK head bracket listed on pages 8 and 9.

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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MULTI-DECK TAPE CARTRIDGE MACHINES INDUSTRY STANDARD FIVE-SPOT AND TEN-SPOT SERIES

Catalog Page 7

605C	902-0605	5 Channel Playback Unit in Formica Cabinet w/Emitter Follower Output	\$1,995.00	A
605C	902-0605A	5 Channel Playback Unit in Formica Cabinet w/Transformer Output	2,095.00	A
605CR	902-0606	5 Channel Playback Unit, Rack Mounting, w/Cartridge Storage Cubicle, Emitter Follower Output	1,995.00	A
605CR	902-0606A	5 Channel Playback Unit, Rack Mounting, w/Cartridge Storage Cubicle and Transformer Output	2,095.00	A
610CR	902-0610	10 Channel Playback Unit, Rack Mounting, Emitter Follower Output	3,750.00	A
610CR	902-0610A	10 Channel Playback Unit, Rack Mounting w/Transformer Output	3,950.00	A
610CX	SP-205	Automatic Audio System w/6 Playback and 2 Record/Playback Channels	5,295.00	A
610CX-1	SP-205-1	As per above, supplied with pre-wired 51" high control console	5,790.00	A

FACTORY INSTALLED OPTIONS

387-0040	Installed Power Conversion, 115V/50 Hz, 7.5 ips (Models 605C, 605CR)	\$ 30.00	A
387-0041	Installed Power Conversion, 220V/50 Hz, 7.5 ips, w/220V/ 117V stepdown transformer (Models 605C, 605CR)	48.00	A
387-0042	Installed Power Conversion, 115V/50 Hz, 7.5 ips (Model 610CR)	60.00	A
387-0043	Installed Power Conversion, 220V/50 Hz, 7.5 ips, w/220V/117V stepdown transformer (Model 610CR)	48.00	A
387-0044	Installed Speed Conversion, 117V/60 Hz, 3.75 ips, (Models 605C, 605CR)	25.00	A
387-0045	Installed Speed Conversion, 117V/60 Hz, 3.75 ips (Model 610CR)	50.00	A
387-0046	Installed Power/Speed Conversion, 220V/50 Hz, 3.75 ips, w/220V/117V stepdown transformer (Models 605C, 605CR)	73.00	A
387-0047	Installed Power/Speed Conversion, 220V/50 Hz, 3.75 ips, w/220V/117V stepdown transformer (Model 610CR)	98.00	A
387-0048	Installed Power/Speed Conversion, 117V/50 Hz, 3.75 ips (Models 605C, 605CR)	55.00	A
387-0049	Installed Power/Speed Conversion, 117V/50 Hz, 3.75 ips (Model 610CR)	110.00	A
840-0011	Installed Cue Trip I Sensor, (per deck) (150 Hz)	85.00	A
840-0012	Installed Cue Trip II Sensor Option, less Sensors (Models 605C, 605CR) Includes Enclosure	120.00	A
840-0013	Installed Cue Trip II Sensor Option, less Sensors (Model 610CR) Includes Enclosure	180.00	A
910-0032A	Cue Trip II Sensor (up to 5 required with 605C and 605CR; up to 10 with 610CR) (8 kHz)	25.00	A

Note: Cue Trip II Sensors mounted externally. 840-0012 may be used w/610CR model if only 5 sensors required

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<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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FIVE-SPOT/TEN-SPOT (Continued)

ACCESSORIES

	949-0605	Cue Trip Sequencing Cable for 605B	\$ 12.00	C
EB101	919-1010	Test Extender PCB Module	25.00	C
MRM-600A	904-0600	Record Module, plug-in replacement for any 605/610 Playback Deck, w/record head	280.00	C
	840-0014	Installed Cue Trip I Generator for MRM-600A	25.00	C
	840-0015	Installed Cue Trip II Generator for MRM-600A (150 Hz)	22.00	C
	840-0016	Installed Microphone Preamplifier for MRM-600A	30.00	C

Note: *The MRM-600A may be equipped with two Cue Trip Generators or one Cue Trip Generator and the microphone preamplifier*

Note: *Accessory remote control and Audio Switcher are listed on page 9.*

MULTI-DECK TAPE CARTRIDGE MACHINES INDUSTRY STANDARD 3-DECK AND 5-DECK MINI-SERIES

Catalog Page 8

Note: *All Mini-Series units furnished with walnut Formica covered wooden side panels unless ordered for rack mounting*

303D		MONOPHONIC, Three-Deck Playback Series		
	902-3036	1 Output w/Audio Switcher	\$1,570.00	A
	902-3037	1 Output w/Audio Switcher, Cue Trip I Sensor (150 Hz)	1,780.00	A
	902-3038	1 Output w/Audio Switcher, Cue Trip I, II Sensors (150 Hz, 8 kHz)	1,880.00	A
	902-3030	3 Isolated Outputs	1,650.00	A
	902-3031	3 Isolated Outputs, w/Cue Trip I Sensor (150 Hz)	1,875.00	A
	902-3032	3 Isolated Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,095.00	A
305D		MONOPHONIC, Five-Deck Playback Series		
	902-3056	1 Output w/Audio Switcher	2,250.00	A
	902-3057	1 Output w/Audio Switcher, Cue Trip I Sensor (150 Hz)	2,490.00	A
	902-3058	1 Output w/Audio Switcher, Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,750.00	A
	902-3050	5 Isolated Outputs	2,380.00	A
	902-3051	5 Isolated Outputs, w/Cue Trip I Sensor (150 Hz)	2,670.00	A
	902-3052	5 Isolated Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,850.00	A
303DS		STEREOPHONIC, Three-Deck Playback Series with PHASE-LOK Head Bracket		
	902-3046	1 Stereo Output w/Audio Switcher	1,920.00	A
	902-3047	1 Stereo Output w/Cue Trip I Sensor (150 Hz)	2,195.00	A
	902-3048	1 Stereo Output w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,295.00	A
	902-3040	3 Isolated Stereo Outputs	1,995.00	A

(Continued next page)

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
MINI SERIES 303/305 (Continued)				
303DS (cont.)	902-3041	3 Isolated Stereo Outputs, w/Cue Trip I Sensor (150 Hz)	2,295.00	A
	902-3042	3 Isolated Stereo Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,395.00	A
305DS		STEREOPHONIC, Five-Deck Playback Series with PHASE-LOK Head Bracket		
	902-3066	1 Stereo Output, w/Audio Switcher	2,750.00	A
	902-3067	1 Stereo Output, w/Cue Trip I Sensor (150 Hz)	2,995.00	A
	902-3068	1 Stereo Output, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	3,350.00	A
	902-3060	5 Isolated Stereo Outputs	2,870.00	A
	902-3061	5 Isolated Stereo Outputs, w/Cue Trip I Sensor (150 Hz)	3,250.00	A
	902-3062	5 Isolated Stereo Outputs, w/Cue Trip I, II Sensor (150 Hz, 8 kHz)	3,450.00	A

FACTORY INSTALLED OPTIONS

Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 45.00	A
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ACCESSORIES

RA33	921-0033	Rack Panel Adapter for (3) 303 units	\$ 175.00	C
RA35	921-0035	Rack Panel Adapter for (3) 305 units	195.00	C
EB-103	919-1030	Test Extender PCB for 10 pin plug-in modules (303 or 305)	24.00	C

Note: Accessory Remote Controls and Sequencer are listed on page 9.

CARTRIDGE MACHINE ACCESSORIES PHASE-LOK II HEAD BRACKET

Catalog Page 9

Field Installation Kits. (Head bracket assembled and complete with heads)

952-7500	For Model 1070PS	\$ 198.00	C
952-7501	For Model 1070RPS	265.00	C
952-7503	For 500BS, 500BRS, 500DS, 500DRS	244.00	C
952-7504	For 505BS, 505BRS, 505DS, 505DRS	188.00	C

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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CARTRIDGE MACHINE ACCESSORIES REMOTE CONTROLS

Catalog Page 9

BE-102	904-0102	370, 400 Series, 500 Series, Remote Control, 3 start/stop functions w/15 ft. cable	\$ 56.00	C
BE-106	904-0106	605 Remote Control, 5 start/stop functions and sequencing indicator, illuminated buttons w/15 ft. cable	285.00	B
303D	904-0303	303D Remote Control Includes 15' of Cable	131.00	B
305D	904-0305	305D Remote Control Includes 15' of Cable	143.00	B
RC-1070	904-1070	1070 Remote Control, all functions: suitable for adding to console or for rack mounting including 15' cable	144.00	B
3000	906-3016	3000 Remote Control Panel, START for 5 Units	35.00	B
3000	906-3015	3000 Remote Control Panel, Single Record/Playback Model	55.00	B
4000	906-4015	4000 Remote Control Panel, START for 5 Units	35.00	B
4000	906-4016	4000 Remote Control Panel, Single Record/Playback Model	55.00	B

CARTRIDGE MACHINE ACCESSORIES FAULT/SPLICE DETECTORS

Catalog Page 9

BEFSD-100	827-0300	Self Contained Fault/Splicer Detector	\$ 329.00	B
BEFSD-200	827-0400	3000 Fault/Splice Detector for use with up to 2 Record/Playback Units	223.00	B

CARTRIDGE MACHINE ACCESSORIES SEQUENCERS/SWITCHERS

Catalog Page 9

SW5B	904-0005	605/610 Audio Switcher; switches any of five audio channels to program line; 600 ohm transformer equipped (use only with emitter follower output units 902-0605 or 902-0606; two required for 902-0610)	\$ 250.00	B
SW5C	904-0012	400/500 Audio Switcher for up to 5 units	250.00	B
SW5D	904-0009	2000 Audio Switcher for up to 5 units	250.00	B
ESD-15	904-0015	303/305 1 to 15 Deck pre-select sequencer for up to (3) 303 or (3) 305 units	345.00	B

Note: ESD-15 requires units equipped with Cue Trip I and single output options.

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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AUDIO CONSOLES SPOTMASTER® VERSA CONSOLE

Catalog Page 11

4BEV-50	838-2000	4 Mixer Mono Console with Rack Mount Adapters	\$ 465.00	B
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SPOTMASTER ROTARY MIXER CONSOLES 50 SERIES MONO

Catalog Page 12

4BEM-50	838-0450	SPOTMASTER 4-Mixer Monophonic Console	\$ 490.00	A
4BEM50R	838-0451	SPOTMASTER Rack Mount 4-Mixer Monophonic Console	540.00	A
BE11A	838-0200	230 VAC/50 Hz Power Conversion	44.00	B

100/200 SERIES MONO

Catalog Page 13

5BEM-100	838-0510	SPOTMASTER 5-Mixer Monophonic Console, sealed Pots	\$ 825.00	A
5BEM-200	838-0511	SPOTMASTER 5-Mixer Deluxe Monophonic Console, Step Type Attenuators	1,295.00	A
8BEM-100	838-0810	SPOTMASTER 8-Mixer Monophonic Console, sealed Pots	1,395.00	A
8BEM-200	838-0811	SPOTMASTER 8-Mixer Deluxe Monophonic Console, Step Type Attenuators	2,295.00	A
BE11A	838-0200	230 VAC/50 Hz Power Conversion	44.00	B
	838-0230	Step Type Attenuators Installed in 5BEM-100	250.00 Per Set	A
	838-0231	Step Type Attenuators Installed in 8BEM-100	400.00 Per Set	A
	918-3510	RIAA Equalized Phono Preamplifier Module	72.00	B

100/200 SERIES STEREO

Catalog Page 15

202-52

5BES-100	838-0520	SPOTMASTER 5-Mixer Stereophonic Console, sealed Pots	\$1,150.00	A
5BES-200	838-0521	SPOTMASTER 5-Mixer Deluxe Stereophonic Console, Step Type Attenuators	1,995.00	A
8BES-100	838-0820	SPOTMASTER 8-Mixer Stereophonic Console, sealed Pots	1,995.00	A
8BES-200	838-0821	SPOTMASTER 8-Mixer Deluxe Stereophonic Console, Step Type Attenuators	3,190.00	A
BE11A	838-0200	230 VAC/50 Hz Power Conversion	44.00	B
BE12A	838-0210	Extender Panel for 100 Series Only	425.00	B
BE13A	838-0220	Extender Panel for 200 Series Only	625.00	B
	838-0232	Step Type Attenuators Installed in 5BES-100	400.00 Per Set	A
	838-0233	Step Type Attenuators Installed in 8BES-100	640.00 Per Set	A
	918-3502	Mono Matrix Card for 5BES-100 and 8BES-100	52.00	B
	918-3504	Line Amplifier for Stereo Audition Channel 5BES-100 and 8BES-100 (2 Required)	52.00	B
	271-0002	Second Muting Relay for 8BES-100 and 5BES-100	21.00	B
	918-3510	RIAA Equalized Phono Preamplifier Module	72.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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SPOTMASTER® SLIDE MIXER AUDIO CONSOLES 2006 SERIES MONO/STEREO

Catalog Page 17

BEML-2006-6	838-2006	SPOTMASTER modular SLIDEMOD monophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules.	\$ 1,890.00	B
BEML-2006-10	838-2016	SPOTMASTER monophonic SLIDEMOD console with 10 input modules (mixers)	2,590.00	B
BESL-2006-6	838-2010	SPOTMASTER modular SLIDEMOD stereophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules	2,395.00	B
BESL-2006-10	838-2020	SPOTMASTER stereophonic SLIDEMOD console with 10 input modules (mixers)	3,395.00	B
	980-0021	Monophonic plug-in input module for BEML-2006	195.00 Per Position	B
	980-0022	Stereophonic plug-in input module for BESL-2006	270.00 Per Position	B
BE-11A	838-0200	230 VAC/50 Hz Power Conversion	44.00	B

MICROPHONE MIXERS

M-67	828-0067	Shure Microphone Mixer	\$ 181.20	B
M-68	828-0068	Shure Microphone Mixer	93.60	B

AUDIO PROCESSING AND DISTRIBUTION AMPLIFIERS

Catalog Pages 19 and 20

CLE-500	837-0500	SPOTMASTER Sound Britener Compressor-Limiter-Expander for AM Broadcasting or Mono Recording	\$ 750.00	A
CLE-FM	837-0600	SPOTMASTER FM Sound Britener for Mono	1,395.00	A
CLE-FM	837-0601	SPOTMASTER FM Sound Britener for Stereo	1,595.00	A
	837-0604	MONO/STEREO Field Conversion Kit for Mono FM Sound Britener	250.00	B
CLA-20-40A	837-4000A	Compressor-Limiter Amplifier, rack mounting, Mono (order 2 matched units for stereo)	490.00	B
AD1B	903-0010	Audio D.A.; 1 in, 5 out, rack mounting, Emitter Follower Output	385.00	B
AD1B/T	903-0011	Audio D.A.; 1 in, 5 out, rack mounting, Transformer Outputs	460.00	B
AD1BX	903-0012	5-Channel Extender for use with AD1B, rack mounting, Emitter Follower Output	280.00	B
AD1BX/T	903-0013	5-Channel Extender for use with AD1B, rack mounting, Transformer Output	395.00	B
BEM-10	837-0100	Monitor Amplifier, 10 watt, rack mounting	130.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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STUDIO EQUIPMENT PROFESSIONAL REEL-TO-REEL RECORDER SPOTMASTER SERIES 6000

Catalog Page 20

6000	909-6000	Series 6000, 2 channel, ½ Track R/PB/E, ¼ Track, PB; 7½/15 ips; cabinet mount	\$ 1,590.00	B
6000	909-6001	Series 6000, 2 channel, ¼ Track R/PB/E, ½ Track PB; 7½/15 ips; cabinet mount	1,590.00	B
	909-6005	Installed Rack Mount Adapter	35.00	B
	909-6006	Remote Control Complete with cable; Start, Stop, Fast Forward, Rewind and Record Functions	125.00	B

STUDIO EQUIPMENT BROADCAST AND RECORDING MICROPHONES

Electro-Voice, Catalog Page 20

635A	825-0635	Microphone, omnidirectional dynamic	\$ 60.00	B
654A	825-0654	Microphone, omnidirectional slim-trim	75.00	B
664	825-0664	Microphone, Cardioid, dynamic	63.35	B
649B	825-0649	Microphone, Lavalier	88.50	B
RE10	825-0010	Super Cardioid (80 Hz to 13 kHz)	110.00	B
RE15	825-0015	Super Cardioid, highest quality (80 Hz to 15 kHz)	180.00	B
RE85	825-0085	Shock Mounted Lavalier	93.00	B
630	825-0630	Low cost omnidirectional, w/switch	40.30	B
418	825-0418	Desk Stand for 664A	10.25	B
420	825-0420	Desk Stand for 654A	19.80	B

LUXO MICROPHONE ARM

LM-1-41A	825-0001	Luxo Arm with portable "C" type mounting clamp	\$ 32.00	B
LM-1-41C	825-0002	Luxo Arm with table-top, permanent screw down mount	32.00	B

*Note: Also available to balance with microphones up to
3 lbs. on special order*

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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STUDIO EQUIPMENT SPOTMASTER TURNTABLE PRE-AMPLIFIERS

Catalog Page 21

BETMS-100	827-0100	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier (less transformer output) phase reversal feature	\$ 120.00	A
BETMS-200	827-0200	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier w/transformer output, phase reversal feature	148.50	A
	827-0220	220VAC/50 Hz Power Conversion Installed	44.00	A

STUDIO EQUIPMENT PROFESSIONAL TURNTABLES

Catalog Page 21

	821-0001	SPOTMASTER, Studio Pro-B, 12" direct-drive 2 speed turntable (33-1/3, 45) w/hys. syn. motor	\$ 254.00	B
	821-0007	SPOTMASTER, CueMaster, 12" direct-drive 3 speed turntable (33-1/3, 45, 78) w/hys. syn. motor	224.50	B
	821-0010	Power Conversion to 50 Hz	35.00	B

STUDIO EQUIPMENT MICRO-TRAK TONE ARMS

Catalog Page 21

MICRO-TRAK (GRAY) TONE ARMS

303	821-0303	12" Micro-Trak Arm	\$ 79.50	B
306	821-0306	16" Micro-Trak Arm	89.50	B
206S	821-0206	12" Tone Arm, Viscous damped	74.50	B
206SG	821-0207	12" Tone Arm, for VR11 Cartridge	74.50	B

CARTRIDGES, TONE ARM

500AA	821-5002	Stanton Cartridge, .5 mil stylus	\$ 19.25	B
500AL	821-5000	Stanton Cartridge, .7 mil (extra heavy duty) stylus	16.50	B
681A	821-6810	Stanton Cartridge, calibration standard, .7 mil stylus	36.30	B
681EE	821-6812	Stanton Cartridge, .2 x .7 mil elliptical stylus	39.60	B
M44-7	821-4470	Shure Cartridge, .7 mil stylus	19.95	B
M44-C	821-4400	Shure Cartridge, heavy tracking force, .7 mil stylus	17.95	B

REPLACEMENT STYLI

D5107A	821-5003	Stylus for 500A Cartridge	\$ 6.60	C
D5105AA	821-5004	Stylus for 500AA Cartridge	9.90	C
D5107AL	821-5001	Stylus for 500AL Cartridge	6.60	C
D6807A	821-6811	Stylus for 681A Cartridge	16.50	C
D6800EE	821-6813	Stylus for 681EE Cartridge	19.80	C
N44-5	821-4451	Stylus for M44-5 Cartridge	11.00	C
N44-7	821-4471	Stylus for M44-7 Cartridge	9.75	C
N44-C	821-4401	Stylus for M44-C Cartridge	9.70	C

(Additional Models; Other Manufacturers Available)

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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STUDIO EQUIPMENT CONTROL ROOM FURNITURE

Catalog Page 22

CONSOLE FURNITURE, FRENCH BLUE TOP WITH PECAN CABINETS

833-0001	SPOTMASTER Single Turntable Floor Cabinet (22" x 22" x 29")	\$ 189.00	B
833-0002	SPOTMASTER Dual Section Floor Cabinet (42" x 22" x 29")	299.00	B
833-0003	SPOTMASTER Console Desk Top (80" x 24" x 1½")	120.00	B
833-0101	SPOTMASTER Leg, chrome, tapered (4 req'd. for free-standing console section)	11.00	B
833-0103	SPOTMASTER Spacer block to mount desk top to floor cabinet, includes hardware	5.00	B

Note: Add \$15.00 for turntable cut-out. Specify exact location of cut-out and type of turntable to be mounted.

ON-AIR STUDIO LIGHTS

835-0001	ON-AIR Light, Vertical format	\$ 47.00	B
835-0002	ON-AIR Light, Horizontal format	48.00	B
835-0003	AUDITION Light, Vertical format	48.00	B
835-0004	AUDITION Light, Horizontal format	48.00	B

STUDIO CLOCKS (Battery Powered – C Cell)

BECL-100	835-0100	SPOTMASTER Quartzmatic, white face	\$ 64.00	B
BECL-200	835-0100A	SPOTMASTER Quartzmatic, tan face	64.00	B

SPOTMASTER[®] CARTRIDGE STORAGE FACILITIES

Catalog Page 23

RM20	818-0020	Stores 20, A Size Cartridges, Rack Mounting (5¼" high)	\$ 56.00	B
RS20	816-0020	Wire Rack Section, holds 20 A Size cartridges	11.00	B
RS25	816-0025	Wire Rack Section, holds 25 A Size cartridges	14.50	B
RM100	810-0100	Wall Mounting, Formica Covered, holds 100 A Size cartridges	85.00	B
DM20	812-0655	Wall or Table Mounting; walnut cabinet, holds 20 A Size cartridges	14.75	B
DM40	812-0650	Table Top Lazy Susan, holds 40 A Size cartridges	33.00	B
DM72	812-0072	Lazy Susan Module, Formica Covered for table top use, holds 72 A Size cartridges	86.00	B
DM200	812-0200	As per above, holds 200 A Size cartridges	157.00	B
LS100	812-0100	Lazy Susan Wire Unit for table top use, holds 100 A Size cartridges	97.00	B
LS200	814-0200	Lazy Susan Wire Unit, floor stand w/heavy duty casters, holds 200 A Size cartridges	162.00	B

STUDIO AND CARTRIDGE ACCESSORIES

Catalog Page 24

CARTRIDGE WINDERS

BETM-100	904-0001	Tape Cartridge Winder 115V, 50/60 Hz	\$ 150.00	B
BETM-200	904-0002	Tape Cartridge Winder w/Timer, 115V, 50/60 Hz	175.00	B
BETM-200A	904-0002A	Tape Cartridge Winder w/Timer 220V, 50/60 Hz	215.00	B
BET-50	830-0001	Calibrated Tape Timer	60.00	B

DEMAGNETIZERS AND ERASERS

	820-0040	Tape Head Demagnetizer, 115V, 50/60 Hz	\$ 9.95	C
200C	820-0200	Bulk Tape Eraser, Hand Held 115V, 50/60 Hz	29.50	B
220C	820-0220	Bulk Tape Eraser, Hand Held 220V, 50/60 Hz	38.00	B
300C	820-0300	Bulk Tape Eraser, Heavy Duty, Table Top 115V, 50/60 Hz	55.00	B
330C	820-0301	Bulk Tape Eraser, Heavy Duty, Table Top 220V, 50/60 Hz	61.00	B

BULK CARTRIDGE TAPES

3M156	823-1800	Scotch Lubricated Tape, 1800 ft., 7" Reel	\$ 7.50	C
3M156	823-3600	Scotch Lubricated Tape, 3600 ft., NAB Hub	14.40	C

FIDELIPAC CARTRIDGES

Loaded Cartridges (at 7.5 ips)

"A Size"	300 Series	800-0013	20 Seconds (13 feet)	\$ 2.44	B
		800-0025	40 Seconds (25 feet)	2.56	B
		800-0044	70 Seconds (44 feet)	2.71	B
		800-0063	100 Seconds (63 feet)	2.85	B
		800-0088	140 Seconds (88 feet)	3.00	B
		800-0132	3.5 Minutes (132 feet)	3.26	B
		800-0207	5.5 Minutes (207 feet)	3.73	B
"B Size"		800-0394	10.5 Minutes (394 feet)	4.90	B
	600 Series	801-0600	16 Minutes (600 feet)	8.18	B
"C Size"	1200 Series	802-1163	31 Minutes (1163 feet)	13.49	B

**10% DISCOUNT ON
QUANTITIES OF 50 OR
MORE CARTRIDGES,
ONE TYPE OR MIXED**

EMPTY CARTRIDGES

300, A Size	800-0000	Fidelipac Unloaded Cartridge	\$ 1.99	B
600, B Size	801-0000	Fidelipac Unloaded Cartridge	3.70	B
1200, C Size	802-0000	Fidelipac Unloaded Cartridge	5.08	B

SPECIALLY WOUND CARTRIDGES

300DL	800-0004	6 Second Delay Cartridge for use with SPOTMASTER delay machines	\$ 6.25	B
		Specially wound delay cartridges under 20 seconds (specify time desired)	8.50	B

(Continued next page)

STUDIO AND CARTRIDGE ACCESSORIES (Continued)

Audiopak Cartridges (A2 Series)

"A Size"	800-1000	Empty Audiopak, A Size	\$ 2.08	B
	800-1013	20 Seconds (13 feet)	2.30	B
	800-1025	40 Seconds (25 feet)	2.41	B
	800-1044	70 Seconds (44 feet)	2.52	B
	800-1056	90 Seconds (56 feet)	2.55	B
	800-1063	100 Seconds (63 feet)	2.57	B
	800-1088	140 Seconds (88 feet)	2.63	B
	800-1094	2.5 Minutes (94 feet)	2.74	B
	800-1132	3.5 Minutes (132 feet)	2.90	B
	800-1207	5.5 Minutes (207 feet)	3.34	B
	800-1320	8.5 Minutes (320 feet)	4.09	B
	800-1394	10.5 Minutes (394 feet)	4.38	B

*10% DISCOUNT ON
QUANTITIES OF 50 OR
MORE CARTRIDGES,
ONE TYPE OR MIXED*

TAPE TAGS (8 per sheet)

834-0000	Black	} Quantity	}	\$.14	B
834-0001	Brown					
834-0002	Red					
834-0003	Orange					
834-0004	Yellow					
834-0005	Green					
834-0006	Blue					
834-0007	Purple					
		1 to 49 Sheets (per sheet)				
		50 to 299 Sheets (per sheet)			.10	B
		300 to 499 Sheets (per sheet)			.09	B
		500+ Sheets (per sheet)			.08	B

MAINTENANCE ACCESSORIES

TS7S	824-0007	Tape Splicer	\$ 10.00	C
TST376	824-0376	Mylar Splicing Tape (3/8 x 275")	1.10	C
BE903	832-9032	Cleaning Fluid, 16 oz.	6.35	C
BE903	832-9033	Cleaning Fluid, 32 oz.	8.35	C

TEST TAPES (in cartridges)

350STA	808-0004	Stereo/Mono Frequency Response & Alignment Tape (50 Hz to 15 kHz)	\$ 39.00	C
NAB-3	808-0003	NAB Mono Frequency Response & Test Tape	20.00	C

SPOTMASTER® TELEPHONE INTERFACE SYSTEMS FOR USE WITH BROADCAST QUALITY TAPE CARTRIDGE MACHINES

Catalog Page 25

Note: Telco 80/90 units used with Western Electric RDL

Coupler

TELCO 80	904-0080	Record/Play Telephone Answering Interface System for 400/500/600 Series Cartridge Machines includes counter	\$ 160.00	A
TELCO 90	904-0090	Record/Play Telephone Answering Interface System for 1070 and 370 Series Cartridge Machines includes counter	170.00	A

Note: Telco units listed below used with Western Electric

RDM coupler

III/B	904-0003	Telco Telephone Answering Accessory for 400/500/600 Series	110.00	C
III/C	904-0006	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for 400/500/600 Series	135.00	C
IV/B	904-0007	Telco Telephone Answering Accessory for TEN/70 Series	125.00	C
IV/C	904-0008	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for TEN/70 Series	139.00	C
V/B	906-2015	Telco Telephone Answering Accessory for SERIES 2000	125.00	C
V/C	906-2016	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for SERIES 2000	139.00	C
VI/B	906-3017	Telco Telephone Answering Accessory for SERIES 3000 and SERIES 4000	125.00	C
VI/C	906-3018	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for SERIES 3000 and SERIES 4000	139.00	C
TC-4	290-0404	Telco Automatic Counter for Telco, III/B, III/C, IV/B, IV/C, V/B and V/C	28.00	C
TC-4	-	Telco Automatic Counter, Installed for Telco III/B, III/C, IV/B, IV/C, V/B and V/C	45.00	C

TERMS AND CONDITIONS OF SALE

- ORDERING INFORMATION:** List item descriptions as they appear in this price schedule or illustrated catalog on your company letterhead or purchase order. Any special instructions should be clearly made a part of the order. We assume no liability for orders when placed by bona fide employees. Orders placed by telephone should be confirmed in writing and must be clearly marked "confirming" or we cannot assume liability for duplicate shipments.
- PRICES:** Prices listed herein are subject to change without prior notice.
- F.O.B.:** Prices are FOB Silver Spring, Maryland, or point of shipment. All transportation costs are the obligation of the buyer, unless otherwise stated.
- TERMS OF SALE:** Broadcast Electronics, Inc. will ship on open account to companies having established accounts with us, or to firms with an acceptable Dun & Bradstreet rating. Open account billing provides terms of NET 30 Days from date of invoice. Open account privileges assume strict adherence to billing terms. Accounts are not available to individuals.
- Cash sales providing for a 2% discount are available, providing payment in full accompanies the order. COD service is available, especially recommended for small rush orders.
- Extended payment and lease terms are available. Write for details.
- WARRANTY:** Broadcast Electronics products are guaranteed to be free from defects in workmanship and material for a period of one year (18 months for Series 2000 cartridge machines) after shipping date when subjected to normal usage or service. All warranties are void, A) If equipment has been altered or repaired by others without Broadcast Electronics' specific prior authorization, or B) If equipment is operated under environmental conditions or circumstances other than those specifically described in Broadcast Electronics literature or instruction manuals.
- SHIPPING METHOD:** Unless specifically stated by the buyer, we will exercise our best judgment as to method of shipment. A full range of shipping services is available.
- All goods are either insured or declared for full value and the cost thereof, as part of shipping charges. Claims for damage, either concealed or obvious, are the responsibility of the buyer. Inspection of damaged goods by the delivering carrier is usually the first step necessary. We can assist with specific claims problems.
- SERVICE:** Technical assistance is available by letter or prepaid telephone or telegram. Equipment requiring repair or overhaul should be sent by common carrier, prepaid, insured and well protected. Do not mail equipment. We can assume no liability for inbound damage and necessary repairs become the obligation of the shipper. Prior arrangement is necessary. Contact Customer Service Dept. for Return Authorization
- RETURN OF GOODS:** Unused goods will be accepted for return within thirty days of purchase subject to a re-stocking and handling charge. Liability for a safe, insured, prepaid return rests with the shipper. Do not return any equipment without prior written approval and return authorization from the Customer Service Dept. We will provide shipping instructions and a Return Authorization Number that will assure proper handling and issuance of credit. Custom manufactured equipment is not returnable.

LEASING & TIME PAYMENT PLANS ON REQUEST.

ADDITIONAL INFORMATION

Additional information and product literature are available from your SPOTMASTER Distributor or Broadcast Electronics, Inc.



VIDEO
MONITORS

Broadcast Electronics, Inc. Modtec Division
manufactures monochrome video monitors.



BROADCAST ELECTRONICS INC. — A FILMWAYS COMPANY —
8810 BROOKVILLE ROAD • SILVER SPRING, MARYLAND 20910
PHONE 301-588-4983 • TWX 710-825-0432 • CABLE "SPOTMASTER"

NEW WEST COAST SALES OFFICE:

BROADCAST ELECTRONICS, INC.
1604 N. CAHUENGA BLVD. • LOS ANGELES, CALIFORNIA 90028 • PHONE 213-465-1755

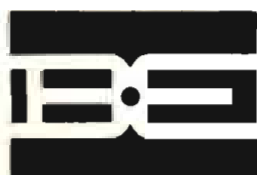
Spotmaster®

Equipment Price List

(Domestic U.S.)

EFFECTIVE SEPTEMBER 1, 1974

REVISED DECEMBER 15, 1974



BROADCAST ELECTRONICS
— A FILMWAYS COMPANY —

8810 BROOKVILLE ROAD ■ SILVER SPRING, MARYLAND 20910 ■ PHONE 301-588-4983 ■ CABLE "SPOTMASTER"

TWX 710-825-0432

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
New Series 2000				
2000P	906-2000	Series 2000, Monaural Playback, Compact Unit	\$ 465.00	A
2000-RP	906-2001	Series 2000, Monaural Record/Playback Compact Unit complete with Factory Installed Record Module and Head	675.00	A
2000PA	906-2002	Series 2000, Monaural Playback/Audition Compact Unit complete with Factory Installed Audio Module	575.00	A
Factory Installed Options				
	906-2003	Installed Power Conversion, 220V, 50 Hz, 7.5 ips	\$ 22.00	A
	906-2004	Installed Power Conversion, 117V, 50 Hz, 7.5 ips	22.00	A
	906-2005	Installed Power Conversion, 220V, 60 Hz, 7.5 ips	10.00	A
	906-2006	Installed Speed Conversion, 117V, 60 Hz, 3.75 ips	25.00	A
	906-2007	Installed Speed Conversion 220V, 60 Hz, 3.75 ips	25.00	A
	906-2008	Installed Speed Conversion, 117V, 50 Hz, 3.75 ips	25.00	A
	906-2009	Installed Speed Conversion, 220V, 50 Hz, 3.75 ips	25.00	A
	906-2010	Installed Cue Trip II Sensor (Replaces Standard Cue Trip I Sensor in Playback or Audition Models)	20.00	A
Field Installation Kits				
	906-2012	Record Module, complete with Record Head and Cue Trip I Generator to Convert Playback Unit to Record/Playback	\$ 225.00	A
	906-2013	Audio Module, complete with Amplifier and Speaker to Convert Playback Unit to Playback/Audition	125.00	A
Accessories				
	906-2014	Dual Rack Adapter for Two Series 2000 Units	\$ 55.00	B
New Model 1000				
1000P	906-1000	Model 1000, Economy Monaural Playback, Compact Unit	435.00	A
1000RP	906-1001	Model 1000, Economy Monaural Record/Playback, Compact Unit	633.00	A
Factory Installed Options				
	906-1003	Installed Power Conversion, 220V, 50 Hz, 7.5 ips	\$ 22.00	A
	906-1004	Installed Power Conversion, 117V, 50 Hz, 7.5 ips	22.00	A
	906-1005	Installed Power Conversion, 220V, 60 Hz, 7.5 ips	10.00	A
	906-1006	Installed Speed Conversion, 117V, 60 Hz, 3.75 ips	25.00	A
	906-1007	Installed Speed Conversion, 220V, 60 Hz, 3.75 ips	25.00	A
	906-1008	Installed Speed Conversion, 117V, 50 Hz, 3.75 ips	25.00	A
	906-1009	Installed Speed Conversion, 220V, 50 Hz, 3.75 ips	25.00	A
Accessories				
	906-2014	Dual Rack Adapter for Two Model 1000 Units	\$ 55.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
TEN/70 SERIES				
1070RP	900-1070	Monaural record/playback, compact unit less microphone input	\$ 1,249.00	A
1070RP	900-1084	Monaural record/playback, compact unit with microphone input	1,319.00	A
1070EP	900-1085	Monaural playback economy unit (single speed)	795.00	A
1070P	900-1071	Monaural playback unit, compact	897.00	A
1070RP/S	900-1073	Stereo record/playback unit, with PHASE-LOK Head Bracket	1,550.00	A
1070P/S	900-1074	Stereo playback unit with PHASE-LOK Head Bracket	1,079.00	A
1070RP/DL	900-1072	Delay unit, record/playback, compact (single speed)	1,335.00	A
1070SDL	900-1075	Stereo Delay Programmer (single speed) with PHASE-LOK Head Bracket	1,750.00	A

FACTORY INSTALLED OPTIONS

900-1076	1070RP, IBA/IEC Equalization*	100.00	A
900-1077	1070P, IBA/IEC Equalization*	60.00	A
900-1078	1070RP/DL, IBA/IEC Equalization*	125.00	A
900-1079	1070RPS, IBA/IEC Equalization*	125.00	A
900-1080	1070PS, IBA/IEC Equalization*	85.00	A
900-1081	1070SDL, IBA/IEC Equalization*	135.00	A

**70 microseconds equalization time constant.*

Note: All machines supplied equipped with record/playback equalization time constants of 50 microseconds and 3180 microseconds (NAB Standard) unless alternate option ordered.

387-0030	Installed Power Conversion, 220V/50 Hz, 7.5 ips (Models 1070RP, 1070P, 1070RPS, 1070PS)	50.00	A
387-0031	Installed Power Conversion, 220V/50 Hz, 7.5 ips (Models 1070RP/DL 1070SDL)	50.00	A
387-0032	Installed Power Conversion, 117V/50 Hz, 7.5 ips (Models 1070RP, 1070P, 1070RPS, 1070PS)	50.00	A
387-0033	Installed Power Conversion, 117V/50 Hz, 7.5 ips (Models 1070RP/DL 1070SDL)	50.00	A
387-0034	Installed Speed Conversion, 3.75 ips, 117V/60 Hz, (Models 1070RP, 1070P, 1070RPS, 1070PS)	50.00	A
387-0035	Installed Speed Conversion, 3.75 ips, 117V/ 60 Hz (Models 1070RP/DL, 1070SDL)	50.00	A
387-0036	Installed Speed Conversion, 3.75 ips, 220V/50 Hz (Models 1070RP, 1070P, 1070RPS, 1070PS)	50.00	A
387-0037	Installed Speed Conversion, 3.75 ips, 220V/50 Hz (Models 1070RP/DL, 1070SDL)	50.00	A
387-0038	Installed Speed Conversion, 3.75 ips, 117V/50 Hz (Models 1070RP/DL, 1070SDL)	50.00	A
845-0001	Optional mechanical release (center actuated) deck module for all 1070 models, installed	25.00	A
845-0002	Optional electrical release deck module for all 1070 models, installed	75.00	A
912-1020	Installed Cue Trip I Tone Generator (150 Hz for F-F Auto-Cue automatic sequencing)	49.00	A

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
FACTORY INSTALLED OPTIONS (Cont.)				
	912-1022	Installed Cue Trip II Tone Generator (8 KHz) for auxiliary use	\$ 49.00	A
	910-2010	Installed Cue Trip I Tone Sensor (150 Hz)	75.00	A
	910-2011	Installed Cue Trip II Tone Sensor (8 KHz)	58.00	A
	<i>Note: Cue Trip Options not available for Model 1070SDL.</i>			
FIELD INSTALLATION KITS				
	912-1020	Cue Trip I Tone Generator (150 Hz for F-F Auto-Cue automatic sequencing)	49.00	C
	912-1022	Cue Trip II Tone Generator (8 KHz) for auxiliary use	49.00	C
	910-2010	Cue Trip I Tone Sensor (150 Hz)	75.00	C
	910-2011	Cue Trip II Tone Sensor (8 KHz)	58.00	C
	<i>Note: Cue Trip Options not available for Model 1070SDL</i>			
	830-0500	Microphone pre-amplifier kit (for RP and RP/DL models)	65.00	C
	952-7500	PHASE-LOK II stereo head bracket, assembled, complete with heads for field installation (Model 1070 PS)	172.00	C
	952-7501	PHASE-LOK II stereo head bracket, assembled, complete with heads for field installation (Model 1070 RPS)	319.00	C
ACCESSORIES				
RA-70	921-1070	Rack Panel Adapter for (2) 1070 units or (1) 1070 and (1) RM10, Complete with chassis slides (pair)	100.00	B
RM-10	818-0010	Cartridge Rack (10 slot storage) for use with 921-1070 adaptor	43.00	C
RC-1070	904-1070	Remote Control, all functions: suitable for adding to console or for rack mounting including 15' cable	144.00	B
EB-103	919-1030	Test extender PCB Module	24.00	C
THREE/70 SERIES				
370A	900-3700	Spacesetter compact monaural reproducer	521.00	B
370A	900-3701	Spacesetter compact monaural reproducer, 600 ohm balanced output	545.00	B
FACTORY INSTALLED OPTIONS				
	387-0013	Installed Power Conversion, 220V/50 Hz, 7.5 ips	50.00	A
	387-0014	Installed Speed Conversion, 117V, 60 Hz, 3.75 ips	50.00	A
	387-0015	Installed Power Conversion, 117V/50 Hz, 7.5 ips	50.00	A
	387-0016	Installed Speed Conversion, 220V/50 Hz, 3.75 ips	50.00	A
	387-0017	Installed Speed Conversion, 117V/50 Hz, 3.75 ips	50.00	A
	840-0001	Installed Cue Trip I Sensor	90.00	A
	840-0002	Installed Cue Trip II Sensor	75.00	A
	845-0005	Installed Optional Mechanical Release (Center Actuated) Deck Module	25.00	A
FIELD INSTALLATION KITS				
	830-0204	Field Installation Kit, Cue Trip I Sensor	90.00	C
	830-0205	Field Installation Kit, Cue Trip II Sensor	75.00	C
ACCESSORIES				
BE-102	904-0102	Remote Control, 3 stop/start functions w/15 ft. cable	56.00	C
RA-70	921-1070	Rack Panel Adapter for (3) 370 units, complete with chassis slides (pair)	100.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
500D & 400B SERIES				
500D	900-0500	Monaural record/playback unit, compact	\$ 830.00	A
500DR	901-0500	Monaural record/playback unit, rack mounting with slides	870.00	A
505D	900-0505	Monaural playback unit, compact	625.00	A
505DR	901-0505	Monaural playback, rack mounting with slides	670.00	A
505D/A	900-0507	Monaural playback unit with built-in amplifier and headphone monitoring system	725.00	A
500DS	900-0501	Stereo record/playback unit, compact with PHASE-LOK Head Bracket	1,150.00	A
500DRS	901-0501	Stereo record/playback unit, rack mounting with slides with PHASE-LOK Head Bracket	1,235.00	A
505DS	900-0506	Stereo playback unit, compact with PHASE-LOK Head Bracket	790.00	A
505DRS	901-0506	Stereo playback unit, rack mounting with slides with PHASE-LOK Head Bracket	870.00	A
500D/DL	900-0502	Delay, record/playback unit, compact	895.00	A
500DR/DL	901-0502	Delay, record/playback unit, rack mounting with slides	980.00	A
400B	900-0400	Monaural record/playback unit, compact	645.00	A
405B	900-0405	Monaural playback unit, compact	470.00	A

Note: Transformer output optional in 400B and 405B

FACTORY INSTALLED OPTIONS

387-0020	Installed Power Conversion, 220V/50 Hz, 7.5 ips all models	45.00	A
387-0021	Installed Power Conversion, 117V/50 Hz, 7.5 ips all models	40.00	A
387-0022	Installed Speed Conversion, 117V/60 Hz, 3.75 ips all models	40.00	A
387-0023	Installed Speed Conversion, 220V/50 Hz, 3.75 ips all models	45.00	A
387-0024	Installed Speed Conversion, 117V/50 Hz, 3.75 ips all models	40.00	A
840-0003	Installed Cue Trip I Sensor (400B Series, 500DS Series)	68.00	A
840-0004	Installed Cue Trip I Sensor (500D, 505D, D/A)	85.00	A
840-0005	Installed Cue Trip I Generator (400B Series, 500DS Series)	48.00	A
840-0006	Installed Cue Trip I Generator (500D)	48.00	A
840-0007	Installed Cue Trip II Sensor all models	68.00	A
840-0008	Installed Cue Trip II Generator all models	48.00	A
841-0010	Installed Microphone Preamplifier Option (Models 400B, 500DS, Series, 500DR Series)	39.00	A
841-0002	Installed 600 ohm output transformer (400B)	22.00	A

FIELD INSTALLATION KITS FOR 500C, 505C, 500CR, 505CR, 500D, 505D, 505D/A, 500D, DL, 500DR AND 505DR

830-0100	Field Installation kit, Cue Trip I Sensor (all units)	127.00	C
Note: Dual tone sensor replaces standard single sensor. Credit Issued for single sensor under warranty.			
830-0101	Field Installation Kit, Cue Trip I Generator (500CR, 500DR, 500C)	53.00	C
830-0102	Field Installation Kit, Cue Trip I Generator (500D, 500D/DL)	53.00	C
830-0200	Field Installation Kit, Cue Trip II Sensor (all units)	68.00	C
830-0201	Field Installation Kit, Cue Trip II Generator (all units)	53.00	C

<u>MODEL</u>	<u>STOCK NO</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
FIELD INSTALLATION KITS FOR 400A, 405A, 400B, 405B, 500BS, 505BS, 500B/SA, 505B/SA, 500BRS, 505BRS, 500BR/SA, 505BR/SA, 500D/S, 500DR/S, 505D/S AND 505DR/S				
	830-0100A	Field Installation Kit, Cue Trip I Sensor	\$ 68.00	C
	830-0101	Field Installation Kit, Cue Trip I Generator	44.00	C
FIELD INSTALLATION KITS FOR 500BS, 505BS, 500B/SA, 505B/SA, 500BRS, 505BRS, 500BR/SA, 505BR/SA, 500D/S, 500DR/S, 505D/S AND 505DR/S				
	830-0200	Field Installation Kit, Cue Trip II Sensor	68.00	C
	830-0201	Field Installation Kit, Cue Trip II Generator	53.00	C
	952-7504	PHASE-LOK II stereo head bracket, assembled, complete with heads (playback units)	218.00	C
	952-7503	PHASE-LOK II stereo head bracket, assembled, complete with heads (record units)	375.00	C
ACCESSORIES				
BE-102	904-0102	Remote Control, 3 start/stop functions w/15 ft. cable	56.00	C

MINI SERIES

Note: All Mini-Series units furnished with walnut Formica covered wooden side panels unless ordered for rack mounting.

MULTI-CHANNEL PLAYBACK

303D	MONOPHONIC, Three-Deck Playback Series			
	902-3036	1 Output w/Audio Switcher	1,620.00	A
	902-3037	1 Output w/Audio Switcher, Cue Trip I Sensor (150 Hz)	1,830.00	A
	902-3038	1 Output w/Audio Switcher, Cue Trip I, II Sensors (150 Hz, 8 KHz)	1,930.00	A
	902-3030	3 Isolated Outputs	1,700.00	A
	902-3031	3 Isolated Outputs, w/Cue Trip I Sensor (150 Hz)	1,925.00	A
	902-3032	3 Isolated Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 KHz)	2,200.00	A
305D	MONOPHONIC, Five-Deck Playback Series			
	902-3056	1 Output w/Audio Switcher	2,370.00	A
	902-3057	1 Output w/Audio Switcher, Cue Trip I Sensor (150 Hz)	2,665.00	A
	902-3058	1 Output w/Audio Switcher, Cue Trip I, II Sensors (150 Hz, 8 KHz)	2,835.00	A
	902-3050	5 Isolated Outputs	2,470.00	A
	902-3051	5 Isolated Outputs, w/Cue Trip I Sensor (150 Hz)	2,765.00	A
	902-3052	5 Isolated Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 KHz)	2,935.00	A
303DS	STEREOPHONIC, Three-Deck Playback Series with PHASE-LOK Head Bracket			
	902-3046	1 Stereo Output w/Audio Switcher	2,080.00	A
	902-3047	1 Stereo Output w/Cue Trip I Sensor (150 Hz)	2,295.00	A
	902-3048	1 Stereo Output w/Cue Trip I, II Sensors (150 Hz, 8 KHz)	2,395.00	A
	902-3040	3 Isolated Stereo Outputs	2,180.00	A
	902-3041	3 Isolated Stereo Outputs, w/Cue Trip I Sensor (150 Hz)	2,395.00	A
	902-3042	3 Isolated Stereo Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 KHz)	2,495.00	A
305DS	STEREOPHONIC, Five-Deck Playback Series with PHASE-LOK Head Bracket			
	902-3066	1 Stereo Output, w/Audio Switcher	2,940.00	A

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
MULTI-CHANNEL PLAYBACK (Cont.)				
	902-3067	1 Stereo Output, w/Cue Trip I Sensor (150 Hz)	3,240.00	A
	902-3068	1 Stereo Output, w/Cue Trip I, II Sensors (150 Hz, 8 KHz)	3,505.00	A
	902-3060	5 Isolated Stereo Outputs	3,165.00	A
		STEREOPHONIC, Five-Deck Playback Series with PHASE-LOK Head Bracket (Cont.)		
	902-3061	5 Isolated Stereo Outputs, w/Cue Trip I Sensor (150 Hz)	\$ 3,465.00	A
	902-3062	5 Isolated Stereo Outputs, w/Cue Trip I, II Sensor (150 Hz, 8 KHz)	3,640.00	A
FACTORY INSTALLED OPTIONS				
	387-0002	Installed Speed Conversion, 3.75 ips, 117V/60 Hz all models	45.00	A
	387-0003	Installed Power Conversion, 220V/50 Hz, 7.5 ips all models	48.00	A
	387-0004	Installed Power Conversion, 117V/50 Hz, 7.5 ips all models	40.00	A
	387-0005	Installed Speed Conversion, 3.75 ips, 220V/50 Hz all models	45.00	A
	845-0006	Optional mechanical release (center activated) deck modules for 303D and 303DS models installed	75.00	A
	845-0007	Optional mechanical release (center activated) deck modules for 305D and 305DS models installed	125.00	A
FIELD INSTALLATION KITS				
	830-0202	Field Installation Hardware Kit, required to mount Cue Trip, or audio switcher options indicated by *	4.00	C
	914-1221	Cue Trip 1 or Cue Trip II option, less sensors 303D and 303DS models*	58.00	C
	914-1220	Cue Trip I or Cue Trip II option, less sensors 305D and 305DS models*	90.00	C
	910-2010	Cue Trip I Sensor (up to 3 may be installed in 303D and 303DS models and up to 5 in 305D and 305DS models)	75.00	C
	910-2011	Cue Trip II Sensor (up to 3 may be installed in 303D and 303DS models and up to 5 in 305D and 305DS models)	58.00	C
	914-1260	Monophonic Audio Switcher (303D)*	200.00	C
	914-1261	Stereophonic Audio Switcher (303DS)*	215.00	C
	914-1250	Monophonic Audio Switcher (305D)*	160.00	C
	914-1251	Stereophonic Audio Switcher (305DS)*	175.00	C
	952-7502	PHASE-LOK II stereo head bracket, side adjust, assembled, with stereo head, (303 requires 3; 305 requires 5)	155.00	C
ACCESSORIES				
	904-0303	303D Remote Control Includes 15' of Cable	131.00	B
	904-0305	305D Remote Control Includes 15' of Cable	143.00	B
RA33	921-0033	Rack Panel Adapter for (3) 303 units	230.00	C
RA35	921-0035	Rack Panel Adapter for (3) 305 units	260.00	C
ESD-15	904-0015	1 to 15 Deck pre-select sequencer for up to (3) 303 or (3) 305 units	345.00	B
		Note: Requires units equipped with Cue Trip I and single output options		
EB-103	919-1030	Test Extender PCB for 10 pin plug-in modules (303 or 305)	24.00	C

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
FIVE SPOT/TEN SPOT				
605C	902-0605	5 Channel Playback unit in Formica Cabinet w/Emitter Follower Output	\$ 1,995.00	A
605C	902-0605A	5 Channel Playback unit in Formica Cabinet w/Transformer Output	2,095.00	A
605CR	902-0606	5 Channel Playback unit, Rack Mounting, w/Cartridge Storage Cubicle, Emitter Follower Output	1,995.00	A
605CR	902-0606A	5 Channel Playback unit, Rack Mounting, w/Cartridge Storage Cubicle and Transformer Output	2,095.00	A
610CR	902-0610	10 Channel Playback unit, Rack Mounting, Emitter Follower Output	3,750.00	A
610CR	902-0610A	10 Channel Playback unit, Rack Mounting w/Transformer Output	3,950.00	A
610CX	SP-205	Automatic Audio System w/6 playback and 2 record/playback channels	5,295.00	A
610CX-1	SP-205-1	As per above, supplied with pre-wired 51" high control console	6,130.00	A
FACTORY INSTALLED OPTIONS				
	387-0040	Installed Power Conversion, 115V/50 Hz, 7.5 ips (Models 605C, 605CR)	40.00	A
	387-0041	Installed Power Conversion, 220V/50 Hz, 7.5 ips, w/220V/117V stepdown transformer (Models 605C, 605CR)	48.00	A
	387-0042	Installed Power Conversion, 115V/50 Hz, 7.5 ips (Model 610CR)	45.00	A
	387-0043	Installed Power Conversion, 220V/50 Hz, 7.5 ips, w/220V/117V stepdown transformer (Model 610CR)	98.00	A
	387-0044	Installed Speed Conversion, 117V/60 Hz, 3.75 ips, (Models 605C, 605CR)	85.25	A
	387-0045	Installed Speed Conversion, 117V/60 Hz, 3.75 ips (Model 610CR)	175.00	A
	387-0046	Installed Power/Speed Conversion, 220V/50 Hz, 3.75 ips, w/220V/117V stepdown transformer (Models 605C, 605CR)	55.00	A
	387-0047	Installed Power/Speed Conversion, 220V/50 Hz, 3.75 ips, w/220V/117V stepdown transformer (Model 610CR)	115.00	A
	840-0011	Installed Cue Trip I Sensor, (per deck)	85.00	A
	840-0012	Installed Cue Trip II Sensor Option, less Sensors (Models 605C, 605CR) Includes enclosure	120.00	A
	840-0013	Installed Cue Trip II Sensor Option, less sensors (Model 610CR) Includes enclosure	180.00	A
	910-0032A	Cue Trip II Sensor (up to 5 required with 605C and 605CR; up to 10 with 610CR)	25.00	A
		<i>Note: Cue Trip II Sensors mounted externally. 840-0012 may be used w/610CR model if only 5 sensors required.</i>		
FIELD INSTALLATION KITS				
	830-0100	Field Installation Kit for Cue Trip I Sensor, complete with sensor to equip one deck	127.00	C
		<i>Note: Dual tone sensor replaces standard single sensor. Credit issued for single sensor under warranty.</i>		

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
FIELD INSTALLATION KITS (Cont.)				
	830-0208	Field Installation Kit for Cue Trip II Sensors, complete with sensors to equip 5 decks. Includes enclosure	\$ 195.00	C
	830-0209	Field Installation Kit for Cue Trip II Sensors, complete with sensors to equip 10 decks. Includes enclosure	325.00	C
Note: <i>Cue Trip II sensors mounted externally</i>				
ACCESSORIES				
SW5B	904-0005	Audio Switcher; switches any of five audio channels to program line; 600 ohm transformer equipped (use only with emitter follower output units 902-0605 or 902-0606; two required for 902-0610)	250.00	B
BE106	904-0106	Remote Control, 5 start/stop functions and sequencing indicator, illuminated buttons w/15 ft. cable	285.00	B
	949-0605	Cue Trip Sequencing Cable for 605B	12.00	C
EB101	919-1010	Test Extender PCB Module	25.00	C
MRM-600A	904-0600	Record Module, plug-in replacement for any 605/610 playback deck, w/record head	280.00	C
	840-0014	Installed Cue Trip I Generator for MRM-600A	25.00	C
	840-0015	Installed Cue Trip II Generator for MRM-600A	22.00	C
	840-0016	Installed microphone preamplifier for MRM-600A	30.00	C
Note: <i>The MRM-600A may be equipped with two Cue Trip Generators or one Cue Trip Generator and the microphone preamplifier.</i>				
TELEPHONE ANSWERING ACCESSORIES				
Note: <i>Telco units listed below used with Western Electric RDM coupler</i>				
III/B	904-0003	Telco Telephone Answering Accessory for 400/500 and 600 Series	110.00	C
III/C	904-0006	Telco Telephone Answering Accessory w/manual-automatic switch & remote start for 400/500 and 600 Series	135.00	C
IV/B	904-0007	Telco Telephone Answering Accessory for TEN/70 Series	125.00	C
IV/C	904-0008	Telco Telephone Answering Accessory w/manual-automatic switch & remote start for TEN/70 Series	139.00	C
TC-4	290-0404	Telco Automatic Counter for Telco, III/B, III/C, IV/B and IV/C	28.00	C
TELCO 80	904-0080	Record/Play Telephone Answering Interface System for 400/500/600 Series Cartridge Machines includes counter	190.00	A
TELCO 90	904-0090	Record/Play Telephone Answering Interface System for 1070 and 370 Series Cartridge Machines includes counter	215.00	A
CARTRIDGE WINDERS				
BETM-100	904-0001	Tape Cartridge Winder 115V, 50/60 Hz	150.00	B
BETM-200	904-0002	Tape Cartridge Winder w/Timer, 115V, 50/60 Hz	175.00	B
BETM-200A	904-0002A	Tape Cartridge Winder w/Timer 220V, 50/60 Hz	215.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
TIMERS				
BET-50	830-0001	Calibrated Tape Timer	\$ 55.00	B
DEMAGNETIZERS AND ERASERS				
	820-0040	Tape Head Demagnetizer, 115V, 50/60 Hz	9.95	C
200C	820-0200	Bulk Tape Eraser, Hand Held 115V, 50/60 Hz	35.00	B
220C	820-0220	Bulk Tape Eraser, Hand Held 220V, 50/60 Hz	38.00	B
300C	820-0300	Bulk Tape Eraser, Heavy Duty, Table Top 115V, 50/60 Hz	58.00	B
330C	820-0301	Bulk Tape Eraser, Heavy Duty, Table Top 220V, 50/60 Hz	61.00	B
SPLICE DETECTORS				
BESD-500	829-0001	Automatic Splice Detector and Bulk Eraser	390.00	B
BESD-500	829-0000	Automatic Splice Detector and Bulk Eraser with stepdown transformer for 220V 50 Hz	445.00	B
BULK CARTRIDGE TAPES				
3M156	823-1800	Scotch Lubricated Tape, 1800 ft., 7" Reel	7.50	C
3M156	823-3600	Scotch Lubricated Tape, 3600 ft., NAB Hub	14.40	C
ACCESSORIES				
TS7S	824-0007	Tape Splicer	10.00	C
TST376	824-0376	Mylar Splicing Tape (3/8 x 275")	1.10	C
BE903	832-9032	Cleaning Fluid, 16 oz.	6.35	C
BE903	832-9033	Cleaning Fluid, 32 oz.	8.35	C
TEST TAPES (in cartridges)				
350STA	808-0004	Stereo/Mono Frequency Response & Alignment Tape (50 Hz to 15 KHz)	39.00	C
NAB-3	808-0003	NAB Mono Frequency Response & Test Tape	20.00	C
CARTRIDGE RACKS				
RM20	818-0020	Stores 20, Series 300 Cartridges, Rack Mounting (5 1/4" high)	56.00	B
RS20	816-0020	Wire Rack Section, holds 20 Cartridges	11.00	B
RS25	816-0025	Wire Rack Section, holds 25 cartridges	14.50	B
RM100	810-0100	Wall Mounting, Formica Covered, holds 100 cartridges	85.00	B
DM20	812-0655	Wall or Table Mounting; walnut cabinet, holds 20 cartridges	14.75	B
DM40	812-0650	Table Top Lazy Susan, holds 40 cartridges	33.00	B
DM72	812-0072	Lazy Susan Module, Formica Covered for table top use, holds 72 cartridges	86.00	B
DM200	812-0200	As per above, holds 200 cartridges	157.00	B
LS100	812-0100	Lazy Susan Wire unit for table top use, holds 100 cartridges	97.00	B
LS200	814-0200	Lazy Susan Wire unit, floor stand w/heavy duty casters, holds 200 cartridges	162.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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FIDELIPAC CARTRIDGES

LOADED CARTRIDGES (at 7.5 ips)

10% DISCOUNT ON QUANTITIES OF 50 OR MORE CARTS., ONE TYPE OR MIXED

300 Series	800-0013	20 Seconds (13 feet)	\$ 2.44	B
"A Size"	800-0025	40 Seconds (25 feet)	2.56	B
	800-0044	70 Seconds (44 feet)	2.71	B
	800-0063	100 Seconds (63 feet)	2.85	B
	800-0088	140 Seconds (88 feet)	3.00	B
	800-0132	3.5 Minutes (132 feet)	3.26	B
	800-0207	5.5 Minutes (207 feet)	3.73	B
	800-0394	10.5 Minutes (394 feet)	4.90	B
600 Series "B Size"	801-0600	16 Minutes (600 feet)	8.18	B
1200 Series "C Size"	802-1163	31 Minutes (1163 feet)	13.49	B

EMPTY CARTRIDGES

300	800-0000	Fidelipac Unloaded Cartridge	1.99	B
600	801-0000	Fidelipac Unloaded Cartridge	3.70	B
1200	802-0000	Fidelipac Unloaded Cartridges	5.08	B

SPECIALLY WOUND CARTRIDGES

300DL	800-0004	6 Second Delay Cartridge for use with SPOTMASTER delay machines	6.25	B
		Specially wound delay cartridges under 20 seconds (specify time desired)	8.50	B

AUDIOPAK CARTRIDGES (A2 SERIES)

"A Size"	800-1000	Empty Audiopak	2.08	B
	800-1013	20 Seconds (13 feet)	2.30	B
	800-1025	40 Seconds (25 feet)	2.41	B
	800-1044	70 Seconds (44 feet)	2.52	B
	800-1056	90 Seconds (56 feet)	2.55	B
	800-1063	100 Seconds (63 feet)	2.57	B
	800-1088	140 Seconds (88 feet)	2.63	B
	800-1094	2.5 Minutes (94 feet)	2.74	B
	800-1132	3.5 Minutes (132 feet)	2.90	B
	800-1207	5.5 Minutes (207 feet)	3.34	B
	800-1320	8.5 Minutes (320 feet)	4.09	B
	800-1394	10.5 Minutes (394 feet)	4.38	B

TAPE TAGS (8 per sheet)

834-0000	Black			
834-0001	Brown			
834-0002	Red	Quantity		
834-0003	Orange	1 to 49 Sheets (per sheet)	.14	B
834-0004	Yellow	50 to 299 Sheets (per sheet)	.10	B
834-0005	Green	300 to 499 Sheets (per sheet)	.09	B
834-0006	Blue	500+ Sheets (per sheet)	.08	B
834-0007	Purple			

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
AUDIO AMPLIFIERS				
CLE-500	837-0500	Spotmaster Sound Britener Compressor-Limiter Expander	\$ 750.00	A
CLA-20-40	837-4000	Compressor-Limiter Amplifier, rack mounting Mono (order 2 matched units for Stereo)	490.00	B
BEM-10	837-0100	Monitor amplifier, 10 watt, rack mounting	130.00	B
AD1B	903-0010	Audio D.A.; 1 in, 5 out, rack mounting Emitter Follower Output	385.00	B
AD1B/T	903-0011	Audio D.A.; 1 in, 5 out, rack mounting Transformer Outputs	460.00	B
AD1BX	903-0012	5-Channel Extender for use with AD1B rack mounting, Emitter Follower Output	280.00	B
AD1BX/T	903-0013	5-Channel Extender for use with AD1B, rack mounting, Transformer Output	395.00	B
SPOTMASTER MODULAR AMPLIFIER GROUP				
BEA-400	837-0400	Main Frame w/power supply & provision for four modules	170.00	B
BELM-100	837-0401	Line Amplifier Module	52.00	B
BEPM-200	837-0402	Power Amplifier	52.00	B
SPOTMASTER LINEAR (SLIDE) FADER AUDIO CONSOLES				
BEML-1006-6	838-1006	SPOTMASTER modular SLIDEMOD monophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accom- modates up to 10 input modules.	2,990.00	A
BEML-1006-10	838-1016	SPOTMASTER monophonic SLIDEMOD console with 10 input modules (mixers)	3,990.00	A
BESL-1006-6	838-1010	SPOTMASTER modular SLIDEMOD stereophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules.	3,450.00	A
BESL-1006-10	838-1020	SPOTMASTER stereophonic SLIDEMOD console with 10 input modules (mixers).	4,770.00	A
SPOTMASTER ROTARY FADER AUDIO CONSOLES				
4BEM-50	838-0450	SPOTMASTER 4-Mixer Monophonic Console	490.00	A
4BEM50R	838-0451	SPOTMASTER Rack Mount 4 mixer monophonic console	540.00	A
5BEM-100	838-0510	SPOTMASTER 5-Mixer Monophonic Console, sealed Pots	825.00	A
5BEM-200	838-0511	SPOTMASTER 5-Mixer Deluxe Monophonic Console, Step Type Attenuators	1,295.00	A
5BES-100	838-0520	SPOTMASTER 5-Mixer Stereophonic Console, Sealed Pots	1,150.00	A
5BES-200	838-0521	SPOTMASTER 5-Mixer Deluxe Stereophonic Console, Step Type Attenuators	2,095.00	A
8BEM-100	838-0810	SPOTMASTER 8-Mixer Monophonic Console, Sealed Pots	1,395.00	A
8BEM-200	838-0811	SPOTMASTER 8-Mixer Deluxe Monophonic Console Step Type Attenuators	2,295.00	A
8BES-100	838-0820	SPOTMASTER 8-Mixer Stereophonic Console, Sealed Pots	1,995.00	A
8BES-200	838-0821	SPOTMASTER 8-Mixer Deluxe Stereophonic Console, Step Type Attenuators	3,245.00	A

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
AUDIO CONSOLE OPTIONS				
BE-11A	838-0200	230/50 Hz for all units	\$ 44.00	B
BE-12A	838-0210	Extender Panel for 100 Series Only	425.00	B
BE-13A	838-0220	Extender Panel for 200 Series Only	625.00	B
BE-14A	980-0003	Mono Matrix Card for 5BES-100 and 8BES-100	52.00	B
BE-15A	980-0005	Line Amplifiers for stereo Audition Channel 5BES-100 and 8BES-100	104.00	B
BE-16A	980-0012	Second Muting Relay for 8BES-100 and 5BES-100	15.00	B
	838-0230	Step type attenuators installed in 5BEM-100	250.00 Per Set	A
	838-0231	Step type attenuators installed in 8BEM-100	400.00 Per Set	A
	838-0232	Step type attenuators installed in 5BES-100	400.00 Per Set	A
	838-0233	Step type attenuators installed in 8BES-100	640.00 Per Set	A
	980-0021	Monophonic plug-in input module for BEM-1006	250.00 Per Unit	A
	980-0022	Stereophonic plug-in input module for BESL-1006	330.00 Per Unit	A

MICROPHONE MIXERS

M-67	828-0067	Shure microphone mixer	181.20	B
M-68	828-0068	Shure microphone mixer	93.60	B

CONSOLE FURNITURE, FRENCH BLUE TOP WITH PECAN CABINETS

833-0001	SPOTMASTER Single Turntable Floor Cabinet (22" x 22" x 29")	200.00	B
833-0002	SPOTMASTER Dual Section Floor Cabinet (42" x 22" x 29")	315.00	B
833-0003	SPOTMASTER Console Desk Top (80" x 24" x 1½")	120.00	B
833-0101	SPOTMASTER Leg, chrome, tapered (4 req'd. for free-standing console section)	11.00	B
833-0103	SPOTMASTER Spacer block to mount desk top to floor cabinet, includes hardware	5.00	B

Note: Add \$15.00 for turntable cut-out. Specify exact location of cut-out and type of turntable to be mounted.

ON-AIR STUDIO LIGHTS

835-0001	ON-AIR Light, Vertical format	47.00	B
835-0002	ON-AIR Light, Horizontal format	48.00	B
835-0003	AUDITION Light, Vertical format	48.00	B
835-0004	AUDITION Light, Horizontal format	48.00	B

STUDIO CLOCKS (Battery Powered – C Cell)

BECL-100	835-0100	SPOTMASTER Quartzmatic, white face	64.00	B
BECL-200	835-0100A	SPOTMASTER Quartzmatic, tan face	64.00	B

PROFESSIONAL TURNTABLES, 12"

821-0001	SPOTMASTER, Studio Pro-B, direct-drive 2 speed turntable (33-1/3, 45) w/hys. syn. motor	260.00	B
821-0007	SPOTMASTER, CueMaster, direct-drive 3 speed turntable (33-1/3, 45, 78) w/hys. syn. motor	230.00	B
821-0010	Power Conversion to 50 Hz	35.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL</u>	<u>NET</u>	<u>CODE</u>
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SPOTMASTER TURNTABLE PREAMPLIFIERS

BETMS-100	827-0100	SPOTMASTER Monaural/Stereo Equalized preamplifier (less transformer output) phase reversal features	\$	120.00	A
BETMS-200	827-0200	SPOTMASTER Monaural/Stereo Equalized preamplifier w/transformer output, phase reversal feature		148.50	A
	827-0220	220/50 Hz Power Conversion Installed		44.00	A

MICRO-TRAK (GRAY) TONE ARMS

303	821-0303	12" Micro-Trak Arm		79.50	B
306	821-0306	16" Micro-Trak Arm		89.50	B
206S	821-0206	12" Tone Arm, Viscous damped		74.50	B
206SG	821-0207	12" Tone Arm, for VR11 Cartridge		74.50	B

CARTRIDGES, TONE ARM

500AA	821-5002	Stanton Cartridge, .5 mil stylus		19.25	B
500AL	821-5000	Stanton Cartridge, .7 mil (extra heavy duty)		16.50	B
681A	821-6810	Stanton Cartridge, calibration standard, .7mil stylus		36.30	B
681EE	821-6812	Stanton Cartridge, .2 x .7 mil elliptical stylus		39.60	B
M44-7	821-4470	Shure Cartridge, .7 mil stylus		19.95	B
M44-C	821-4400	Shure Cartridge, heavy tracking force, .7 mil stylus		17.95	B

REPLACEMENT STYLI

D5107A	821-5003	Stylus for 500A Cartridge		6.60	C
D5105AA	821-5004	Stylus for 500AA Cartridge		9.90	C
D5107AL	821-5001	Stylus for 500AL Cartridge		6.60	C
D6807A	821-6811	Stylus for 681A Cartridge		16.50	C
D6800EE	821-6813	Stylus for 681EE Cartridge		19.80	C
N44-5	821-4451	Stylus for M44-5 Cartridge		11.00	C
N44-7	821-4471	Stylus for M44-7 Cartridge		9.75	C
N44-C	821-4401	Stylus for M44-C Cartridge		9.70	C

(Additional Models; Other Manufacturers Available)

MICROPHONES

Electro-Voice

635A	825-0635	Microphone, omnidirectional dynamic		60.00	B
654A	825-0654	Microphone, omnidirectional slim-trim		75.00	B
664	825-0664	Microphone, Cardioid, dynamic		63.35	B
649B	825-0649	Microphone, Lavalier		88.50	B
RE10	825-0010	Super Cardioid (80 to 13 KHz)		110.00	B
RE15	825-0015	Super Cardioid, highest quality (80 to 15 KHz)		180.00	B
RE85	825-0085	Shock mounted Lavalier		93.00	B
630	825-0630	Low cost omnidirectional, w/switch		40.30	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL</u> <u>NET</u>	<u>CODE</u>
MICROPHONE ACCESSORIES				
418	825-0418	Desk Stand for 664A	\$ 10.25	B
420	825-0420	Desk Stand for 654A	19.80	B

LUXO MICROPHONE ARM

LM-1-41A	825-0001	Luxo Arm with portable "C" type mounting clamp	32.00	B
LM-1-41C	825-0002	Luxo Arm with table-top, permanent screw down mount	32.00	B

Note: Also available to balance with microphones up to 3 lbs. on special order.

TERMS AND CONDITIONS OF SALE

ORDERING INFORMATION: List item descriptions as they appear in this price schedule or illustrated catalog on your company letterhead or purchase order. Any special instructions should be clearly made a part of the order. We assume no liability for orders when placed by bona fide employees. Orders placed by telephone should be confirmed in writing and must be clearly marked "confirming" or we cannot assume liability for duplicate shipments.

PRICES: Prices listed herein are subject to change without prior notice.

F.O.B.: Prices are FOB Silver Spring, Maryland, or point of shipment. All transportation costs are the obligation of the buyer, unless otherwise stated.

TERMS OF SALE: Broadcast Electronics, Inc. will ship on open account to companies having established accounts with us, or to firms with an acceptable Dun & Bradstreet rating. Open account billing provides terms of NET 30 Days from date of invoice. Open account privileges assume strict adherence to billing terms. Accounts are not available to individuals.

Cash sales providing for a 2% discount are available, providing payment in full accompanies the order.

COD service is available, especially recommended for small rush orders.

Extended payment and lease terms are available. Write for details.

WARRANTY: Broadcast Electronics products are guaranteed to be free from defects in workmanship and material for a period of one year (18 months for Series 2000 cartridge machines) after shipping date when subjected to normal usage or service. All warranties are void, A) If equipment has been altered or repaired by others without Broadcast Electronics' specific prior authorization, or B) If equipment is operated under environmental conditions or circumstances other than those specifically described in Broadcast Electronics literature or instruction manuals.

SHIPPING METHOD: Unless specifically stated by the buyer, we will exercise our best judgment as to method of shipment. A full range of shipping services is available.

All goods are either insured or declared for full value and the cost thereof, as part of shipping charges. Claims for damage, either concealed or obvious, are the responsibility of the buyer. Inspection of damaged goods by the delivering carrier is usually the first step necessary. We can assist with specific claims problems.

SERVICE: Technical assistance is available by letter or prepaid telephone or telegram. Equipment requiring repair or overhaul should be sent by common carrier, prepaid, insured and well protected. Do not mail equipment. We can assume no liability for inbound damage and necessary repairs become the obligation of the shipper. Prior arrangement is necessary. Contact Customer Service Dept. for Return Authorization

RETURN OF GOODS: Unused goods will be accepted for return within thirty days of purchase subject to a re-stocking and handling charge. Liability for a safe, insured, prepaid return rests with the shipper. Do not return any equipment without prior written approval and return authorization from the Customer Service Dept. We will provide shipping instructions and a RA number that will assure proper handling and issuance of credit. Custom manufactured equipment is not returnable.

LEASING & TIME PAYMENT PLANS ON REQUEST.

ORDER FORMS

TO: **BROADCAST ELECTRONICS, INC.**
8810 Brookville Rd., Silver Spring, Md. 20910

Please ship the following SPOTMASTER products.

- Check enclosed, less 2% cash discount
 Ship on open account, my Purchase Order No. _____

QTY.	STOCK NO.	DESCRIPTION	PRICE

NOTE: Prices are FOB, Silver Spring, Maryland

- Please have a representative contact me.

NAME _____ TITLE _____

STATION OR ORGN. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

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8810 Brookville Rd., Silver Spring, Md. 20910

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NAME _____ TITLE _____

STATION OR ORGN. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Spotmaster[®]**SALES INFORMATION****BULLETIN**NEW PRODUCT RELEASE

December 16, 1974

NEW SERIES 1000

In today's battle against inflation, SPOTMASTER introduces a basic, spartan audio tape cartridge machine -- SERIES 1000. The SERIES 1000 combines a rock-bottom price with the quality and reliability of the SERIES 2000. The only things left out are auxiliary features not needed by many broadcasters.

- The SERIES 1000 offers monophonic playback only and record/playback models
- The SERIES 1000 uses simple, reliable integrated circuitry developed for the SERIES 2000
- The SERIES 1000 employs the proven SPOTMASTER tape transport for cool, maintenance-free operation
- The SERIES 1000 provides superb performance specifications without options
- Playback only units are priced at \$435.00, record/playback at \$633.00

The SERIES 1000 includes: low noise electronics; fast starting and stopping tape transport; full +16dBm peak output; excellent frequency response with high frequency adjustment; automatic cueing with 1 KHz tone; rugged construction for durability and long life; cool and quiet operation; easy accessibility for periodic maintenance; table top or rack mounting; adjustable head mounting; self-cancelling record preset; stable, low flutter, hysteresis synchronous tape drive; minimum component circuitry; line or microphone input capability to the recorder. YET THE SERIES 1000 FULLY MEETS BROADCAST STANDARDS.

The SERIES 1000 does not include optional auxiliary cue tones, remote control or telephone answering accessories, balanced output, or plug-in field conversions.

**BROADCAST ELECTRONICS, INC.**

- A FILMWAYS COMPANY -

8610 BROOKVILLE ROAD • SILVER SPRING, MD. 20910 • PHONE 301-588-4883 • CABLE "SPOTMASTER"

SERIES 1000 PRELIMINARY SPECIFICATIONS

NOISE: Better than 57 dB below +8dBm output

FREQUENCY RESPONSE: ± 2 dB, 50-15,000 Hz

DISTORTION: 2% or less at +16dBm output

TAPE SPEED: 7.5 IPS accurate 0.2% or better
Optional 3.75 IPS accurate 0.4% or better

WOW AND FLUTTER: Less than 0.2% RMS (NAB unweighted)

OUTPUT LEVEL: Peak output +16dBm, continuously adjustable

OUTPUT LOAD: 150 ohm or higher, unbalanced

START TIME: 80 milliseconds

STOP TIME: 80 milliseconds

EQUALIZATION: NAB standard

CAPACITY: NAB A, B and C cartridges for table top operation
NAB A and B cartridges for dual rack mount operation

DRIVE: Hysteresis synchronous, indirect

POWER: 117 VAC/60 Hz standard
220 VAC/50 Hz optional
117 VAC/50 Hz optional
220 VAC/60 Hz optional

CUE TONES: 1 KHz stop standard

START/STOP CONTROLS: Illuminated, push button

CASE CONSTRUCTION: Rugged steel with high durability finish

WARRANTY: 12 month

DIMENSIONS: 5-5/8" high X 8-1/2" wide X 12" deep

WEIGHT: Playback - 14 lb.
Record/playback - 15 lb.

OPTIONS

RACK ADAPTER: Mounts two SERIES 1000 units side by side
in 19" rack

POWER SPEED: 3.75 IPS tape speed
117 VAC/50 Hz operation
220 VAC/50 Hz operation
220 VAC/60 Hz operation

PRICING

Playback Only, Model 1000P - \$435.00 (906-1000)
Record/Playback, Model 1000RP - \$633.00 (906-1001)

Spotmaster®

REEL-TO-REEL RECORDERS	i
TAPE CARTRIDGE MACHINES	1-8
SERIES 5000	1
SERIES 4000	1
SERIES 3000	2
SERIES 2000	3
SERIES 1000	3
THREE/70 SERIES	4
TEN/70 SERIES	4
SERIES 400/500	5
FIVE-SPOT AND TEN-SPOT SERIES	6
3-DECK AND 5-DECK MINI-SERIES	8
CARTRIDGE MACHINE ACCESSORIES	9-10
PHASE-LOK II HEAD BRACKETS	9
PHASE-LOK III HEAD BRACKETS	9
REMOTE CONTROLS	9
FAULT/SPLICE DETECTORS	9
SEQUENCERS/SWITCHERS	10
AUDIO CONSOLES	10-11
VERSA CONSOLE	10
50 SERIES MONO	10
100/200 SERIES MONO	10
100/200 SERIES STEREO	11
4006 SERIES MONO/STEREO	11
3006 SERIES MONO/STEREO	11
AUDIO PROCESSING AND DISTRIBUTION AMPLIFIERS	12
STUDIO EQUIPMENT	12-14
TURNTABLE PRE-AMPLIFIERS	12
TURNTABLES	12
TONE ARMS	12
MICROPHONES	13
CARTRIDGE STORAGE RACKS	14
CONTROL ROOM FURNITURE	14
CUE CLOCK	14
STUDIO AND CARTRIDGE ACCESSORIES	15-16
TELEPHONE INTERFACE SYSTEMS	16-17
AUDIOPAK CARTRIDGES	17
TERMS AND CONDITIONS OF SALE	Back Cover

Equipment Price List (Domestic U.S.)

EFFECTIVE MARCH 15, 1976

Marilyn Pounear

*217-224-9600
Quincy, Ill*

Bob Bousman (Sales man)

587-1800

BE BROADCAST ELECTRONICS INC. — A FILMWAYS COMPANY —
 8810 BROOKVILLE ROAD • SILVER SPRING, MARYLAND 20910
 PHONE 301-588-4983 • TWX 710-825-0432 • CABLE "SPOTMASTER"

WEST COAST SALES OFFICE:
 BROADCAST ELECTRONICS, INC.
 1604 N. CAHUENGA BLVD. • LOS ANGELES, CALIFORNIA 90028 • PHONE 213-465-1755

*Mel Blach 301-840-0050
Midwest Tel.com.*

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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REEL-TO-REEL TAPE RECORDERS SPOTMASTER/REVOX — MARK IIIB —

Catalog Page 8

1301BR	822-1301	SPOTMASTER/Revox, 10½" reel-to-reel Tape Recorder, Stereo/ Mono 3.75 - 7.5 ips, rack mount 14" with aluminum face plate, full track	\$1,059.00	B
1301BR/HS	822-1301A	SPOTMASTER/Revox, Same as 1301BR except high speed	1,169.00	B
1302BR	822-1302	SPOTMASTER/Revox, 10½" reel-to-reel Tape Recorder, Stereo/ Mono 3.75 - 7.5 ips, rack mount 14", with aluminum face plate	1,009.00	B
1302BR/HS	822-1302A	SPOTMASTER/Revox, Same as 1302BR except high speed	1,119.00	B
1304BR	822-1304	SPOTMASTER/Revox, 10½" reel-to-reel Tape Recorder, Stereo/ Mono 3.75 - 7.5 ips, rack mount 14", with aluminum face plate	1,009.00	B
1304BR/HS	822-1304	SPOTMASTER/Revox, Same as 1304BR except high speed	1,119.00	B
1101C	822-1101	Revox Tape Deck, Same as 1301BR except desk mount with cabinet	1,009.00	B
1102C	822-1102	Revox Tape Deck, in walnut cabinet (2 TR)	949.00	B
1104C	882-1104	Revox Tape Deck in walnut cabinet (4 TR)	949.00	B
1122C	822-1122	Revox Tape Deck in walnut cabinet w/8 watt dual power ampli- fier (2 TR)	1,109.00	B
1124C	822-1124	Same as 1122C except 4 TR	1,109.00	B
1222S	822-1222	Revox Tape Deck in suitcase, w/amplifiers and speakers 2 TR	1,179.00	B
1224S	882-1224	Same as 122S except 4 TR	1,179.00	B

FACTORY INSTALLED OPTIONS

HS77		High Speed Option, 7.5 - 15 ips, add HS77 to Model No. and . . . ADD	110.00	B
Full Track		Full Track Head Option; only available with high speed . . . ADD	110.00	B
Sel-Sync		Allows separate synchronized recording of 2 master channels in addition to existing externally wired sound-on-sound, echo, etc. . . . ADD	125.00	B
Variable Pitch		External Potentiometer Control of servo motor (-10 to +15% varia- tion of selected speed) . . . ADD	75.00	B
Dolby B		Available only with standard speed units (3.75 - 7.5 ips) . . . ADD	200.00	B

OPTIONAL ACCESSORIES

—	822-0001	NAB Locking Reel Adaptors (Pair)	20.00	B
—	822-0005	10½" Empty Reels, ½" Centers	5.50	B
1605	822-1605	Mechanical Remote Control w/Self-locking play-record button, 15 ft. cable	40.50	B
1610	822-1610	As per 1605, w/30 ft. cable	44.50	B
1705	822-1705	Illuminated Remote Control complete w/transistorized lamp control circuitry for remote indication of actual machine status	52.00	B
1705A	822-1705A	As per 1705, with automatic rewind function	69.00	B
—	822-0006	Plug-in Power Amplifiers, (2 furnished), each 8 watt RMS	100.00	B
—	822-0002	Service Manual	15.50	B
—	822-0007	Tinted Dust Cover	16.00	B
—	822-0008	Waterproof Cover	10.50	B
3M150	823-1502	Scotch Audio Tape, 1.0 mil on 1800 ft. reel, ¼" Centers	6.50	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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SERIES 5000 MULTI-DECK TAPE CARTRIDGE MACHINES 5-DECK

Catalog Page 1

5501	906-5501	Mono Playback (A Size)	\$2,275.00	A
5502	906-5502	Mono Playback (A Size) with Cue Tones	2,540.00	A
5503	906-5503	Stereo Playback (A Size)	2,750.00	A
5504	906-5504	Stereo Playback (A Size) with Cue Tones	2,995.00	A

3-DECK

Catalog Page 1

5301	906-5301	Mono Playback (A & B Size)	\$1,675.00	A
5302	906-5302	Mono Playback (A & B Size) with Cue Tones	1,855.00	A
5303	906-5303	Stereo Playback (A & B Size)	1,990.00	A
5304	906-5304	Stereo Playback (A & B Size) with Cue Tones	2,185.00	A

ACCESSORIES

	906-5305	Mixer for Single Balanced Output, Mono	\$ 125.00	C
	906-5505	Mixer for Single Balanced Output, Stereo	175.00	C
SW5E	904-5000	Audio Switcher for 3 Decker	275.00	B
SW5E	904-5001	Audio Switcher for 5 Decker	290.00	B
	906-5309	Recorder, Mono for 3 Decker	550.00	A
	906-5310	Recorder, Stereo for 3 Decker	675.00	A
	906-5506	Rack Shelf for (1) to (3) Units, 5 Decker	75.00	C
	906-5507	1/3 Rack Filler Panel, 5 Decker	15.00	C
	906-5306	Rack Mount (1) Unit, 3 Decker	40.00	C
	906-5307	Rack Mount (2) Units, 3 Decker	30.00	C
	906-5508	220V/50 Hz Power Conversion	90.00	C
	919-1806	Extender PC Board	25.00	C

SERIES 4000 TAPE CARTRIDGE MACHINES

Catalog Page 2

4200P	906-4200	Mono, Playback Only, A & B Cartridges	\$ 730.00	A
4200PS	906-4202	Stereo, Playback Only, A & B Size Cartridges	835.00	A
4300P	906-4300	Mono, Playback Only, A, B & C Size Cartridges	800.00	A
4300RP	906-4301	Mono, Record/Playback, A, B & C Size Cartridges	1,300.00	A
4300PS	906-4302	Stereo, Playback Only, A, B & C Size Cartridges	895.00	A
4300RPS	906-4303	Stereo, Record/Playback, A, B & C Size Cartridges	1,495.00	A

FACTORY INSTALLED OPTIONS

	906-4000	Q Trip I & II (150 Hz and 8 KHz), Playback Only Models	\$ 65.00	A
	906-4001	Q Trip I & II (150 Hz and 8 KHz), Record/Playback Models	90.00	A
	906-4002	Adjustment of Equalization to IBA/IEC/CCIR Specifications	NC	A
	906-4003	Microphone Input Option, Mono Record/Playback Models	65.00	A

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<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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SERIES 4000 (Continued)

FACTORY INSTALLED OPTIONS (Continued)

906-4004		Microphone Input Option, Stereo Record/Playback Models	80.00	A
906-4005		Manual Fast Forward, All Models	70.00	A
906-4006		Automatic and Manual Fast Forward, Playback Only Models*	140.00	A
906-4007		Automatic and Manual Fast Forward, Record/Playback Models*	175.00	A
—		Alternate Tape Speed or Line Voltage/Frequency Standards	60.00	A

*Includes Q Trip I & II (150 Hz and 8 kHz)

ACCESSORIES

906-4013		Rack Mount Shelf for EIA 19" Rack, for mounting two 4200 Series	\$ 53.00	B
906-3015		Rack Shelf Filler Panel, 1/2 Rack	20.00	B
906-4014		Mounting Ears for Rack Mounting 4300 Series	15.00 (pair)	B

Note: Accessory remote controls listed on page 9.

SERIES 3000 TAPE CARTRIDGE MACHINES

Catalog Page 3

3100P	906-3100	Mono, Playback Only, A Size Cartridges	\$ 695.00	A
3100PS	906-3101	Stereo, Playback Only, A Size Cartridges	795.00	A
3200P	906-3200	Mono, Playback Only, A & B Size Cartridges	695.00	A
3200RP	906-3201	Mono, Record/Playback, A & B Size Cartridges	1,250.00	A
3200PS	906-3202	Stereo, Playback Only, A & B Size Cartridges	795.00	A
3200RPS	906-3203	Stereo, Record/Playback, A & B Size Cartridges	1,495.00	A
3200RP/DL	906-3204	Mono, Delay Programmer, A & B Size Cartridges	1,290.00	A
3200RPS/DL	906-3205	Stereo, Delay Programmer, A & B Size Cartridges	1,575.00	A
3300P	906-3300	Mono, Playback Only, A, B, & C Size Cartridges	740.00	A
3300RP	906-3301	Mono, Record/Playback, A, B & C Size Cartridges	1,295.00	A
3300PS	906-3302	Stereo, Playback Only, A, B, & C Size Cartridges	840.00	A
3300RPS	906-3303	Stereo, Record/Playback, A, B & C Size Cartridges	1,505.00	A

FACTORY INSTALLED OPTIONS

906-3000		Q Trip I & II (150 Hz and 8 KHz), Playback Only Models	\$ 60.00	A
906-3001		Q Trip I & II (150 Hz and 8 KHz), Record/Playback Models	85.00	A
906-3002		Adjustment of Equalization to IBA/IEC/CCIR Specifications	NC	A
906-3003		Microphone Input Option, Mono Record/Playback Models	65.00	A
906-3004		Microphone Input Option, Stereo Record/Playback Models	80.00	A
906-3005		Manual Fast Forward, All Models	70.00	A
906-3006		Automatic and Manual Fast Forward, Playback Only Models*	135.00	A
906-3007		Automatic and Manual Fast Forward, Record/Playback Models*	175.00	A
—		Alternate Tape Speed or Line Voltage/Frequency Standards	60.00	A

*Includes Q Trip I & II (150 Hz and 8 kHz)

ACCESSORIES

906-3013		Rack Mount Shelf for EIA 19" Rack	\$ 53.00	B
503-0022		Rack Shelf Filler Panel, 1/3 Rack	15.00	B
503-0023		Rack Shelf Filler Panel, 1/2 Rack	20.00	B
919-1504		Extender P.C. Boards	25.00	C

Note: Accessory remote controls and tape fault/splice detector listed on page 9.

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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SERIES 2000 TAPE CARTRIDGE MACHINES

Catalog Page 4

2000P	906-2000	Series 2000, Monaural Playback, Compact Unit	\$ 485.00	A
2000RP	906-2001	Series 2000, Monaural Record/Playback Compact Unit complete with Factory Installed Record Module and Head	695.00	A
2000PA	906-2002	Series 2000, Monaural Playback/Audition Compact Unit complete with Factory Installed Audio Module	590.00	A
2000PS	906-2020	Series 2000, Stereo Playback, Compact Unit	620.00	A
2000RPS	906-2021	Series 2000, Stereo Record/Playback Compact Unit complete with Factory Installed Record Module and Head	925.00	A

FACTORY INSTALLED OPTIONS

Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 35.00	A
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FIELD INSTALLATION KITS

906-2012	2000 Mono Record Module, Complete with Record Head and Cue Trip I (150 Hz) Generator to Convert 2000P to Record/Playback	\$ 250.00	A
906-2013	2000 Mono Audio Module, Complete with Amplifier and Speaker to Convert 2000P to Playback/Audition	145.00	A

ACCESSORY

906-2014	Dual Rack Adapter for Two Series 2000 Units	\$ 55.00	B
503-0021	Rack Filler Panel, 1/2 Rack	20.00	B

Note: Accessory audio switcher is listed on page 10.

SERIES 1000 TAPE CARTRIDGE MACHINES

Catalog Page 4

1000P	906-1000	Model 1000, Economy Monaural Playback, Compact Unit	\$ 455.00	A
1000RP	906-1001	Model 1000, Economy Monaural Record/Playback, Compact Unit	665.00	A
1000DL	906-1002	Model 1000, Economy Monaural Delay Programmer	590.00	A

FACTORY INSTALLED OPTIONS

Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 35.00	A
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ACCESSORY

906-2014	Dual Rack Adapter for Two Model 1000 Units	\$ 55.00	B
503-0021	Rack Filler Panel, 1/2 Rack	20.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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THREE/70 SERIES MINIATURE PLAYBACK TAPE CARTRIDGE MACHINES

Catalog Page 5

370A	900-3700	Spacesetter Compact Monaural Reproducer	\$ 550.00	A
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FACTORY INSTALLED OPTIONS

—	Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 60.00	A
840-0001	Installed Cue Trip I Sensor (150 Hz)	70.00	A
840-0002	Installed Cue Trip II Sensor (8 kHz)	55.00	A

FIELD INSTALLATION KITS

830-0204	Field Installation Kit, Cue Trip I Sensor (150 Hz)	\$ 75.00	C
830-0205	Field Installation Kit, Cue Trip II Sensor (8 kHz)	65.00	C

ACCESSORY

RA70	921-1070	Rack Panel Adapter for (3) 370 Units, Complete with Chassis Slides (pair)	\$ 100.00	B
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Note: Accessory remote control unit is listed on page 9.

TEN/70 SERIES TAPE CARTRIDGE MACHINES

Catalog Page 5

1070RP	900-1070	Monaural Record/Playback, Compact Unit less Microphone Input	\$1,295.00	A
1070RP	900-1084	Monaural Record/Playback, Compact Unit with Microphone Input	1,349.00	A
1070P	900-1071	Monaural Playback Unit, Compact	897.00	A
1070RPS	900-1073	Stereo Record/Playback Unit, with PHASE-LOK Head Bracket	1,590.00	A
1070PS	900-1074	Stereo Playback Unit with PHASE-LOK Head Bracket	1,079.00	A
1070RP/DL	900-1072	Delay Unit, Record/Playback, Compact (Single Speed)	1,380.00	A
1070SDL	900-1075	Stereo Delay Programmer (Single Speed) with PHASE-LOK Head Bracket	1,850.00	A

FACTORY INSTALLED OPTIONS

	IBA/IEC/CCIR Equalization Available Upon Request	\$ —	A
	Alternate Tape Speed or Line Voltage/Frequency Standards	60.00	A
912-1020	Installed Cue Trip I Tone Generator (150 Hz for F-F Auto-Cue Automatic Sequencing)	60.00	A
912-1022	Installed Cue Trip II Tone Generator (8 kHz) for auxiliary use	60.00	A
910-2010	Installed Cue Trip I Tone Sensor (150 Hz)	80.00	A
910-2011	Installed Cue Trip II Tone Sensor (8 kHz)	70.00	A

Note: Cue Trip Options not available for Model 1070SDL.

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<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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TEN/70 SERIES (Continued)

FIELD INSTALLATION KITS

912-1020	Cue Trip I Tone Generator (150 Hz for F-F Auto-Cue Automatic Sequencing)	\$ 60.00	C	
912-1022	Cue Trip II Tone Generator (8 kHz) for auxiliary use	60.00	C	
910-2010	Cue Trip I Tone Sensor (150 Hz)	80.00	C	
910-2011	Cue Trip II Tone Sensor (8 kHz)	70.00	C	
<i>Note: Cue Trip Options not available for Model 1070SDL</i>				
830-0500	Microphone preamplifier kit (for RP and RP/DL models)	75.00	C	

ACCESSORIES

RA70	921-1070	Rack Panel Adapter for (2) 1070 units or (1) 1070 and (1) RM10, Complete with Chassis Slides (pair)	\$ 100.00	B
RM10	818-0010	Cartridge Rack (10 slot storage) for use with 921-1070 adaptor	65.00	C
EB103	919-1030	Test Extender PCB Module	24.00	C

Note: Accessory remote control and PHASE-LOK head bracket listed on page 9.

SERIES 400/500 TAPE CARTRIDGE MACHINES

Catalog Page 6

500D	900-0500	Monaural Record/Playback Unit, Compact	\$ 885.00	A
500DR	901-0500	Monaural Record/Playback Unit, Rack Mounting with Slides	895.00	A
505D	900-0505	Monaural Playback Unit, Compact	645.00	A
505DR	901-0505	Monaural Playback, Rack Mounting with Slides	630.00	A
500DS	900-0501	Stereo Record/Playback Unit, Compact	1,195.00	A
500DRS	901-0501	Stereo Record/Playback Unit, Rack Mounting with Slides	1,280.00	A
505DS	900-0506	Stereo Playback Unit, Compact	850.00	A
505DRS	901-0506	Stereo Playback Unit, Rack Mounting with Slides	895.00	A
500D/DL	900-0502	Delay, Record/Playback Unit, Compact	945.00	A
500DR/DL	901-0502	Delay, Record/Playback Unit, Rack Mounting with Slides	1,010.00	A
400B	900-0400	Monaural Record/Playback Unit, Compact	695.00	A
405B	900-0405	Monaural Playback Unit, Compact	495.00	A

Note: Transformer output optional in 400B and 405B

FACTORY INSTALLED OPTIONS

—	Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 50.00	A
840-0003	Installed Cue Trip I Sensor (400B Series, 500DS Series) (150 Hz)	80.00	A
840-0004	Installed Cue Trip I Sensor (500D Series) (150 Hz)	85.00	A
840-0005	Installed Cue Trip I Generator (400B, 500DS, 500DRS, 500 DR) (150 Hz)	60.00	A
840-0006	Installed Cue Trip I Generator (500D) (150 Hz)	60.00	A
840-0007	Installed Cue Trip II Sensor all models (8 kHz)	80.00	A

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<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
500D SERIES (Continued)				
	840-0008	Installed Cue Trip II Generator all models (8 kHz)	60.00	A
	841-0010	Installed Microphone Preamplifier Option (Models 400B, 500DS Series, 500DR Series)	50.00	A
	841-0002	Installed 600 ohm output transformer (400B, 405B)	28.00	A

Note: Accessory Remote Controls, audio switcher, and PHASE-LOK head brackets listed on pages 9 and 10.

FIELD INSTALLATION KITS FOR 500C, 505C, 500CR, 505CR, 500D, 505D, 505D/A, 500D/DL, 500DR AND 505DR

	830-0100	Field Installation Kit, Cue Trip I Sensor (all units)(150 Hz)	\$ 150.00	C
		<i>Note: Dual tone sensor replaces standard single sensor. Credit Issued for single sensor under warranty.</i>		
	830-0101	Field Installation Kit, Cue Trip I Generator (500CR, 500DR, 500C) (150 Hz)	65.00	C
	830-0102	Field Installation Kit, Cue Trip I Generator (500D, 500D/DL) (150 Hz)	65.00	C
	830-0200	Field Installation Kit, Cue Trip II Sensor (All Units) (8 kHz)	80.00	C
	830-0201	Field Installation Kit, Cue Trip II Generator (All Units (8 kHz)	65.00	C

FIELD INSTALLATION KITS FOR 400A, 405A, 400B, 405B, 500BS, 505BS, 500B/SA, 505B/SA, 500BRS, 505BRS, 500BR/SA, 505BR/SA, 500DS, 500DRS, 505DS and 505DRS

	830-0100A	Field Installation Kit, Cue Trip I Sensor (400 Series) (150 Hz)	\$ 80.00	C
	830-0100B	Field Installation Kit, Cue Trip I Sensor (500 Series) (150 Hz)	80.00	C
	830-0101	Field Installation Kit, Cue Trip I Generator (All Units) (150 Hz)	65.00	C

FIELD INSTALLATION KITS FOR 500BS, 505BS, 500B/SA, 505B/SA, 500BRS, 505BRS, 500BR/SA, 505BR/SA, 500DS, 500DRS, 505DS and 505DRSR/S

	830-0200	Field Installation Kit, Cue Trip II Sensor (8 kHz)	\$ 80.00	C
	830-0201	Field Installation Kit, Cue Trip II Generator (8 kHz)	65.00	C

**MULTI-DECK TAPE CARTRIDGE MACHINES
INDUSTRY STANDARD FIVE-SPOT AND TEN-SPOT SERIES**

Catalog Page 7

605C	902-0605	5 Channel Playback Unit in Formica Cabinet w/Emitter Follower Output	\$2,095.00	A
605C	902-0605A	5 Channel Playback Unit in Formica Cabinet w/Transformer Output	2,295.00	A
605CR	902-0606	5 Channel Playback Unit, Rack Mounting, w/Cartridge Storage Cubicle, Emitter Follower Output	2,095.00	A
605CR	902-0606A	5 Channel Playback Unit, Rack Mounting, w/Cartridge Storage Cubicle and Transformer Output	2,295.00	A
610CR	902-0610	10 Channel Playback Unit, Rack Mounting, Emitter Follower Output	4,050.00	A

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<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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FIVE-SPOT/TEN-SPOT (Continued)

610CR	902-0610A	10 Channel Playback Unit, Rack Mounting w/Transformer Output	4,350.00	A
610CX	SP-205	Automatic Audio System w/6 Playback and 2 Record/Playback Channels	5,695.00	A
610CX-1	SP-205-1	As per above, supplied with pre-wired 51" high control console	6,290.00	A

FACTORY INSTALLED OPTIONS

387-0040	Installed Power Conversion, 115V/50 Hz, 7.5 ips (Models 605C, 605CR)	\$ 40.00	A
387-0041	Installed Power Conversion, 220V/50 Hz, 7.5 ips, w/220V/117V stepdown transformer (Models 605C, 605CR)	55.00	A
387-0042	Installed Power Conversion, 115V/50 Hz, 7.5 ips (Model 610CR)	70.00	A
387-0043	Installed Power Conversion, 220V/50 Hz, 7.5 ips, w/220V/117V stepdown transformer (Model 610CR)	60.00	A
387-0044	Installed Speed Conversion, 117V/60 Hz, 3.75 ips, (Models 605C, 605CR)	35.00	A
387-0045	Installed Speed Conversion, 117V/60 Hz, 3.75 ips (Model 610CR)	60.00	A
387-0046	Installed Power/Speed Conversion, 220V/50 Hz, 3.75 ips, w/220V/117V stepdown transformer (Models 605C, 605CR)	85.00	A
387-0047	Installed Power/Speed Conversion, 220V/50 Hz, 3.75 ips, w/220V/117V stepdown transformer (Model 610CR)	110.00	A
387-0048	Installed Power/Speed Conversion, 117V/50 Hz, 3.75 ips (Models 605C, 605CR)	65.00	A
387-0049	Installed Power/Speed Conversion, 117V/50 Hz, 3.75 ips (Model 610CR)	125.00	A
840-0011	Installed Cue Trip I Sensor, (per deck) (150 Hz)	95.00	A
840-0012	Installed Cue Trip II Sensor Option, less Sensors (Models 605C, 605CR) Includes Enclosure	135.00	A
840-0013	Installed Cue Trip II Sensor Option, less Sensors (Model 610CR) Includes Enclosure	197.00	A
910-0032A	Cue Trip II Sensor (up to 5 required with 605C and 605CR; up to 10 with 610CR) (8 kHz)	33.00	A

Note: Cue Trip II Sensors mounted externally. 840-0012 may be used w/610CR model if only 5 sensors required

ACCESSORIES

	949-0605	Cue Trip Sequencing Cable for 605B	\$ 15.00	C
EB101	919-1010	Test Extender PCB Module	25.00	C
MRM-600A	904-0600	Record Module, plug-in replacement for any 605/610 Playback Deck, w/record head	325.00	C
	840-0014	Installed Cue Trip I Generator for MRM-600A	40.00	C
	840-0015	Installed Cue Trip II Generator for MRM-600A (150 Hz)	22.00	C
	840-0016	Installed Microphone Preamp for MRM-600A	45.00	C

Note: The MRM-600A may be equipped with two Cue Trip Generators or one Cue Trip Generator and the microphone preamplifier

Note: Accessory remote control and Audio Switcher are listed on pages 9 and 10.

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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MULTI-DECK TAPE CARTRIDGE MACHINES INDUSTRY STANDARD 3-DECK AND 5-DECK MINI-SERIES

Catalog Page 8

Note: All Mini-Series units furnished with walnut Formica covered wooden side panels unless ordered for rack mounting

303D		MONOPHONIC, Three-Deck Playback Series		
	902-3036	1 Output w/Audio Switcher	\$1,690.00	A
	902-3037	1 Output w/Audio Switcher, Cue Trip I Sensor (150 Hz)	1,890.00	A
	902-3038	1 Output w/Audio Switcher, Cue Trip I, II Sensors (150 Hz, 8 kHz)	1,990.00	A
	902-3030	3 Isolated Outputs	1,790.00	A
	902-3031	3 Isolated Outputs, w/Cue Trip I Sensor (150 Hz)	1,985.00	A
	902-3032	3 Isolated Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,295.00	A
305D		MONOPHONIC, Five-Deck Playback Series		
	902-3056	1 Output w/Audio Switcher	2,395.00	A
	902-3057	1 Output w/Audio Switcher, Cue Trip I Sensor (150 Hz)	2,695.00	A
	902-3058	1 Output w/Audio Switcher, Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,895.00	A
	902-3050	5 Isolated Outputs	2,595.00	A
	902-3051	5 Isolated Outputs, w/Cue Trip I Sensor (150 Hz)	2,895.00	A
	902-3052	5 Isolated Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,995.00	A
303DS		STEREOPHONIC, Three-Deck Playback Series with PHASE-LOK Head Bracket		
	902-3046	1 Stereo Output w/Audio Switcher	2,095.00	A
	902-3047	1 Stereo Output w/Cue Trip I Sensor (150 Hz)	2,395.00	A
	902-3048	1 Stereo Output w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,495.00	A
	902-3040	3 Isolated Stereo Outputs	2,195.00	A
	902-3041	3 Isolated Stereo Outputs, w/Cue Trip I Sensor (150 Hz)	2,495.00	A
	902-3042	3 Isolated Stereo Outputs, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	2,595.00	A
305DS		STEREOPHONIC, Five-Deck Playback Series with PHASE-LOK Head Bracket		
	902-3066	1 Stereo Output, w/Audio Switcher	2,895.00	A
	902-3067	1 Stereo Output, w/Cue Trip I Sensor (150 Hz)	3,195.00	A
	902-3068	1 Stereo Output, w/Cue Trip I, II Sensors (150 Hz, 8 kHz)	3,495.00	A
	902-3060	5 Isolated Stereo Outputs	3,095.00	A
	902-3061	5 Isolated Stereo Outputs, w/Cue Trip I Sensor (150 Hz)	3,395.00	A
	902-3062	5 Isolated Stereo Outputs, w/Cue Trip I, II Sensor (150 Hz, 8 kHz)	3,595.00	A

FACTORY INSTALLED OPTIONS

	Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 55.00	A
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ACCESSORIES

RA33	921-0033	Rack Panel Adapter for (3) 303 units	\$ 175.00	C
RA35	921-0035	Rack Panel Adapter for (3) 305 units	195.00	C
EB-103	919-1030	Test Extender PCB for 10 pin plug-in modules (303 or 305)	27.00	C

Note: Accessory Remote Controls and Sequencer are listed on pages 9 and 10.

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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CARTRIDGE MACHINE ACCESSORIES PHASE-LOK II HEAD BRACKET

Catalog Page 9

Field Installation Kits. (Head bracket assembled and complete with heads)

952-7500	For Model 1070PS	\$ 198.00	C
952-7501	For Model 1070RPS	265.00	C
952-7503	For 500BS, 500BRS, 500DS, 500DRS	244.00	C
952-7504	For 505BS, 505BRS, 505DS, 505DRS	188.00	C

CARTRIDGE MACHINE ACCESSORIES PHASE-LOK III HEAD BRACKET

Catalog Page 9

952-7701	For Mounting One Head with Tape Guides and Hold Down Spring (Head not included)	\$ 30.00	C
952-7702	For Mounting Two Heads with Tape Guides and Hold Down Spring (Heads not included)	50.00	C

CARTRIDGE MACHINE ACCESSORIES REMOTE CONTROLS

Catalog Page 9

BE-102	904-0102	370, 400 Series, 500 Series, Remote Control, 3 start/stop functions w/15 ft. cable	\$ 65.00	C
BE-106	904-0106	605 Remote Control, 5 start/stop functions and sequencing indicator, illuminated buttons w/15 ft. cable	285.00	B
303D	904-0303	303D Remote Control Includes 15' of Cable	131.00	B
305D	904-0305	305D Remote Control Includes 15' of Cable	143.00	B
RC-1070	904-1070	1070 Remote Control, all functions: suitable for adding to console or for rack mounting including 15' cable	144.00	B
3000	906-3016	3000 Remote Control Panel, START for 5 Units	35.00	B
3000	906-3019	3000 Remote Control Panel, Single Record/Playback Model	55.00	B
3000	906-3020	Remote Control Panel, Single Playback (with cue tones)	75.00	B
3000	906-3021	Remote Control Panel, Single Playback (without cue tones)	60.00	B
4000	906-4015	4000 Remote Control Panel, START for 5 Units	35.00	B
4000	906-4016	4000 Remote Control Panel, Single Record/Playback Model	55.00	B

CARTRIDGE MACHINE ACCESSORIES FAULT/SPLICE DETECTORS

Catalog Page 9

BEFSD-100	827-0300	Self Contained Fault/Splicer Detector	\$ 360.00	B
BEFSD-200	827-0400	3000 Fault/Splice Detector for use with up to 2 Record/Playback Units	255.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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CARTRIDGE MACHINE ACCESSORIES SEQUENCERS/SWITCHERS

Catalog Page 9

SW5B	904-0005	605/610 Audio Switcher; switches any of five audio channels to program line; 600 ohm transformer equipped (use only with emitter follower output units 902-0605 or 902-0606; two required for 902-0610)	\$ 275.00	B
SW5C	904-0012	400/500 Audio Switcher for up to 5 units	275.00	B
SW5D	904-0009	2000 Audio Switcher for up to 5 units	275.00	B
ESD-15	904-0015	303/305 1 to 15 Deck pre-select sequencer for up to (3) 303 or (3) 305 units	345.00	B

Note: ESD-15 requires units equipped with Cue Trip 1 and single output options.

AUDIO CONSOLES SPOTMASTER[®] VERSA CONSOLE

Catalog Page 12

4BEV-50	838-2000	4 Mixer Mono Console with Rack Mount Adapters	\$ 495.00	B
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SPOTMASTER ROTARY MIXER CONSOLES 50 SERIES MONO AND STEREO

Catalog Pages 13 and 14

4BEM-50	838-0450	SPOTMASTER 4-Mixer Monophonic Console	\$ 535.00	A
4BEM-50R	838-0451	SPOTMASTER Rack Mount 4-Mixer Monophonic Console	585.00	A
4BES-50	838-0452	SPOTMASTER 4-Mixer, Stereophonic Console	875.00	A
4BES-50R	838-0453	SPOTMASTER Rack Mount 4-Mixer Stereophonic Console	915.00	A
BE11A	838-0200	230 VAC/50 Hz Power Conversion	47.00	B

100/200 SERIES MONO

Catalog Page 15

5BEM-75	838-0509	SPOTMASTER 5-Mixer Monophonic Console, Single	\$ 750.00	A
5BEM-100	838-0510	SPOTMASTER 5-Mixer Monophonic Console, sealed Pots Dual	890.00	A
5BEM-200	838-0511	SPOTMASTER 5-Mixer Deluxe Monophonic Console, Step Type Attenuators, Dual	1,365.00	
8BEM-100	838-0810	SPOTMASTER 8-Mixer Monophonic Console, sealed Pots, Dual	1,470.00	A
8BEM-200	838-0811	SPOTMASTER 8-Mixer Deluxe Monophonic Console, Step Type Attenuators, Dual	2,495.00	A
BE11A	838-0200	230 VAC/50 Hz Power Conversion	47.00	B
	838-0230	Step Type Attenuators Installed in 5BEM-100	265.00 Per Set	A
	838-0231	Step Type Attenuators Installed in 8BEM-100	425.00 Per Set	A
	918-3510	RIAA Equalized Phono Preamplifier Module	80.00	B

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
100/200 SERIES STEREO				
Catalog Page 17				
5BES-100	838-0520	SPOTMASTER 5-Mixer Stereophonic Console, sealed Pots	\$1,250.00	A
5BES-200	838-0521	SPOTMASTER 5-Mixer Deluxe Stereophonic Console, Step Type Attenuators	2,095.00	A
8BES-100	838-0820	SPOTMASTER 8-Mixer Stereophonic Console, sealed Pots	2,195.00	A
8BES-200	838-0821	SPOTMASTER 8-Mixer Deluxe Stereophonic Console, Step Type Attenuators	3,295.00	A
BE11A	838-0200	230 VAC/50 Hz Power Conversion	47.00	B
BE12A	838-0210	Extender Panel for 100 Series Only	450.00	B
BE13A	838-0220	Extender Panel for 200 Series Only	675.00	B
	838-0232	Step Type Attenuators Installed in 5BES-100	425.00 Per Set	A
	838-0233	Step Type Attenuators Installed in 8BES-100	675.00 Per Set	A
	918-3502	Mono Matrix Card for 5BES-100 and 8BES-100	56.00	B
	918-3504	Line Amplifier for Stereo Audition Channel 5BES-100 and 8BES-100 (2 Required)	56.00	B
	271-0002	Second Muting Relay for 8BES-100 and 5BES-100	24.00	B
	918-3510	RIAA Equalized Phono Preamplifier Module	80.00	B

SPOTMASTER SLIDE MIXER AUDIO CONSOLES 4006 SERIES MONO/STEREO

Catalog Page 19

BEML 4006-6	838-4006	SPOTMASTER modular SLIDEMOD monophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules.	\$2,690.00	A
BEML- 4006-10	838-4016	SPOTMASTER monophonic SLIDEMOD console with 10 input modules (mixers)	3,490.00	A
BESL- 4006-6	838-4010	SPOTMASTER modular SLIDEMOD stereophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules	3,990.00	A
BESL- 4006-10	838-4020	SPOTMASTER stereophonic SLIDEMOD console with 10 input modules (mixers)	5,490.00	A
	980-4021	Monophonic plug-in input module for BEML-4006	290.00 Per Position	B
	980-4022	Stereophonic plug-in input module for BESL-4006	425.00 Per Position	B
BE-11A	838-0200	230 VAC/50 Hz Power Conversion	47.00	B

MICROPHONE MIXERS

M-67	828-0067	Shure Microphone Mixer	\$ 181.20	B
M-68	828-0068	Shure Microphone Mixer	93.60	B

SPOTMASTER[®] SLIDE MIXER AUDIO CONSOLES 3006 SERIES MONO/STEREO

Catalog Page 20

BEML- 3006-10		SPOTMASTER Non-Modular 10 Slide Fader Dual Channel Monophonic Console	\$2,590.00	A
BESL- 3006-10		SPOTMASTER Non-Modular 10 Slide Fader Dual Channel Stereophonic Console	3,390.00	A

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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AUDIO PROCESSING AND DISTRIBUTION AMPLIFIERS

Catalog Pages 21 and 22

CLE-500	837-0500	SPOTMASTER Sound Britener Compressor-Limiter-Expander for AM Broadcasting or Mono Recording	\$ 770.00	A
CLE-FM	837-0600	SPOTMASTER FM Sound Britener for Mono	1,495.00	A
CLE-FM	837-0601	SPOTMASTER FM Sound Britener for Stereo	1,695.00	A
	837-0604	MONO/STEREO Conversion for Mono FM Sound	290.00	B
	837-0605	SPOTMASTER FM Sound Britener, For Mono-European STDS	1,495.00	A
	837-0606	SPOTMASTER FM Sound Britener, For Stereo-European STDS	1,695.00	A
CLA-20-40A	837-4000A	Compressor-Limiter Amplifier, rack mounting, Mono (order 2 matched units for stereo)	520.00	B
AD1B	903-0010	Audio D.A.; 1 in, 5 out, rack mounting, Emitter Follower Output	385.00	B
AD1B/T	903-0011	Audio D.A.; 1 in, 5 out, rack mounting, Transformer Outputs	460.00	B
AD1BX	903-0012	5-Channel Extender for use with AD1B, rack mounting, Emitter Follower Output	280.00	B
AD1BX/T	903-0013	5-Channel Extender for use with AD1B, rack mounting, Transformer Output	395.00	B
BEM-10	837-0100	Monitor Amplifier, 10 watt, rack mounting	130.00	B

STUDIO EQUIPMENT SPOTMASTER TURNTABLE PRE-AMPLIFIERS

Catalog Page 23

BETMS-100	827-0100	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier (less transformer output) phase reversal feature	\$ 130.00	A
BETMS-200	827-0200	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier w/transformer output, phase reversal feature	156.00	A
	827-0220	220VAC/50 Hz Power Conversion Installed	47.00	A

STUDIO EQUIPMENT PROFESSIONAL TURNTABLES

Catalog Page 23

	821-0001	SPOTMASTER, Studio Pro-B, 12" direct-drive 2 speed turntable (33-1/3, 45) w/hys. syn. motor	\$ 272.00	B
	821-0007	SPOTMASTER, CueMaster, 12" direct-drive 3 speed turntable (33-1/3, 45, 78) w/hys. syn. motor	245.00	B
	821-0010	Power Conversion to 50 Hz	35.00	B

STUDIO EQUIPMENT MICRO-TRAK TONE ARMS

Catalog Page 23

MICRO-TRAK (GRAY) TONE ARMS

303	821-0303	12" Micro-Trak Arm	\$ 85.00	B
306	821-0306	16" Micro-Trak Arm	89.75	B

(Continued next page)

<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
TONE ARMS (Continued)				
206S	821-0206	12" Tone Arm, Viscous damped	75.50	B
206SG	821-0207	12" Tone Arm, for VR11 Cartridge	75.50	B
CARTRIDGES, TONE ARM				
500AA	821-5002	Stanton Cartridge, .5 mil stylus	\$ 19.25	B
500AL	821-5000	Stanton Cartridge, .7 mil (extra heavy duty) stylus	16.50	B
681A	821-6810	Stanton Cartridge, calibration standard, .7 mil stylus	39.60	B
681EE	821-6812	Stanton Cartridge, .2 x .7 mil elliptical stylus	43.20	B
M44-7	821-4470	Shure Cartridge, .7 mil stylus	19.95	B
M44-C	821-4400	Shure Cartridge, heavy tracking force, .7 mil stylus	17.95	B
REPLACEMENT STYLUS				
D5107A	821-5003	Stylus for 500A Cartridge	\$ 7.20	C
D5105AA	821-5004	Stylus for 500AA Cartridge	10.80	C
D5107AL	821-5001	Stylus for 500AL Cartridge	7.20	C
D6807A	821-6811	Stylus for 681A Cartridge	18.00	C
D6800EE	821-6813	Stylus for 681EE Cartridge	21.60	C
N44-5	821-4451	Stylus for M44-5 Cartridge	11.00	C
N44-7	821-4471	Stylus for M44-7 Cartridge	20.00	C
N44-C	821-4401	Stylus for M44-C Cartridge	9.70	C
<i>(Additional Models; Other Manufacturers Available)</i>				

STUDIO EQUIPMENT BROADCAST AND RECORDING MICROPHONES

Electro-Voice, Catalog Page 23

635A	825-0635	Microphone, omnidirectional dynamic	\$ 63.00	B
654A	825-0654	Microphone, omnidirectional slim-trim	75.00	B
664	825-0664	Microphone, Cardioid, dynamic	78.00	B
649B	825-0649	Microphone, Lavalier	90.00	B
RE10	825-0010	Super Cardioid (80 Hz to 13 kHz)	114.00	B
RE15	825-0015	Super Cardioid, highest quality (80 Hz to 15 kHz)	180.00	B
RE85	825-0085	Shock Mounted Lavalier	96.00	B
630	825-0630	Low cost omnidirectional, w/switch	60.00	B
418	825-0418	Desk Stand for 664A	15.00	B
420	825-0420	Desk Stand for 654A	21.90	B
LUXO MICROPHONE ARM				
LM-1-41A	825-0001	Luxo Arm with portable "C" type mounting clamp	\$ 35.00	B
LM-1-41C	825-0002	Luxo Arm with table-top, permanent screw down mount	35.00	B
<i>Note: Also available to balance with microphones up to 3 lbs. on special order</i>				

SPOTMASTER® CARTRIDGE STORAGE RACKS

Catalog Page 24

RM20	818-0020	Stores 20, A Size Cartridges, Rack Mounting (5¼" high)	\$ 56.00	B
RS20	816-0020	Wire Rack Section, holds 20 A Size cartridges	11.00	B
RS25	816-0025	Wire Rack Section, holds 25 A Size cartridges	14.50	B
RM100	810-0100	Wall Mounting, Formica Covered, holds 100 A Size cartridges	90.00	B
DM20	812-0655	Wall or Table Mounting; walnut cabinet, holds 20 A Size cartridges	14.75	B
DM40	812-0650	Table Top Lazy Susan, holds 40 A Size cartridges	33.00	B
DM72	812-0072	Lazy Susan Module, Formica Covered for table top use, holds 72 A Size cartridges	86.00	B
DM200	812-0200	As per above, holds 200 A Size cartridges	157.00	B
LS100	812-0100	Lazy Susan Wire Unit for table top use, holds 100 A Size cartridges	97.00	B
LS200	814-0200	Lazy Susan Wire Unit, floor stand w/heavy duty casters, holds 200 A Size cartridges	140.00	B

STUDIO EQUIPMENT CONTROL ROOM FURNITURE

Catalog Page 25

CONSOLE FURNITURE, FRENCH BLUE TOP WITH PECAN CABINETS (FORMICA NO. 422 CORTENA)

833-0001	SPOTMASTER Single Turntable Floor Cabinet (22" x 22" x 29")	\$ 189.00	B
833-0002	SPOTMASTER Dual Section Floor Cabinet (42" x 22" x 29")	299.00	B
833-0003	SPOTMASTER Console Desk Top (80" x 24" x 1½")	120.00	B
833-0101	SPOTMASTER Leg, chrome, tapered (4 req'd. for free-standing console section)	11.00	B
833-0103	SPOTMASTER Spacer block to mount desk top to floor cabinet, includes hardware	5.00	B

Note: Add \$15.00 for turntable cut-out. Specify exact location of cut-out and type of turntable to be mounted.

CUE CLOCK

Catalog Page 26

829-1000	SPOTMASTER Digital Timing Clock. Remote control, 4 selectable inputs, visual cue indicator plus digital display. 99 minute, 59 second capacity count down or count to.	\$ 350.00	B
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STUDIO AND CARTRIDGE ACCESSORIES

Catalog Page 26

CARTRIDGE WINDERS

BETM-100	904-0001	Tape Cartridge Winder 115V, 50/60 Hz	\$ 150.00	B
BETM-200	904-0002	Tape Cartridge Winder w/Timer, 115V, 50/60 Hz	185.00	B
BETM-200A	904-0002A	Tape Cartridge Winder w/Timer 220V, 50/60 Hz	225.00	B
BET-50	830-0001	Calibrated Tape Timer	70.00	B

DEMAGNETIZERS AND ERASERS

	820-0040	Tape Head Demagnetizer, 115V, 50/60 Hz	\$ 9.95	C
200C	820-0200	Bulk Tape Eraser, Hand Held 115V, 50/60 Hz	29.50	B
220C	820-0220	Bulk Tape Eraser, Hand Held 220V, 50/60 Hz	38.00	B
300C	820-0300	Bulk Tape Eraser, Heavy Duty, Table Top 115V, 50/60 Hz	55.00	B
330C	820-0301	Bulk Tape Eraser, Heavy Duty, Table Top 220V, 50/60 Hz	61.00	B

BULK CARTRIDGE TAPES

3M156	823-1800	Scotch Lubricated Tape, 1800 ft., 7" Reel	\$ 7.50	C
3M156	823-3600	Scotch Lubricated Tape, 3600 ft., NAB Hub	14.40	C

FIDELIPAC CARTRIDGES

LOADED CARTRIDGES (AT 7.5 IPS)

300 Series "A Size"	800-0013	20 Seconds (13 feet)	\$ 2.77	B
	800-0025	40 Seconds (25 feet)	2.85	B
	800-0044	70 Seconds (44 feet)	2.93	B
	800-0063	100 Seconds (63 feet)	3.12	B
	800-0088	140 Seconds (88 feet)	3.19	B
	800-0132	3.5 Minutes (132 feet)	3.36	B
	800-0207	5.5 Minutes (207 feet)	3.81	B
	800-0394	10.5 Minutes (394 feet)	4.99	B
600 Series "B Size"	801-0600	16 Minutes (600 feet)	8.18	B
1200 Series "C Size"	802-1163	31 Minutes (1163 feet)	13.49	B

**10% DISCOUNT ON
QUANTITIES OF 50 OR
MORE CARTRIDGES,
ONE TYPE OR MIXED**

EMPTY CARTRIDGES

300, A Size	800-0000	Fidelipac Unloaded Cartridge	\$ 2.32	B
600, B Size	801-0000	Fidelipac Unloaded Cartridge	3.70	B
1200, C Size	802-0000	Fidelipac Unloaded Cartridge	5.08	B

SPECIALLY WOUND CARTRIDGES

300DL	800-0004	6 Second Delay Cartridge for use with SPOTMASTER delay machines	\$ 6.25	B
		Specially wound delay cartridge under 20 seconds (specify time desired)	8.50	B

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STUDIO AND CARTRIDGE ACCESSORIES (Continued)

TAPE TAGS (8 per sheet)

834-0000	Black	}	}	Quantity			
834-0001	Brown						
834-0002	Red				1 to 49 Sheets (per sheet)	\$.15	B
834-0003	Orange				50 to 299 Sheets (per sheet)	.11	B
834-0004	Yellow				300 to 499 Sheets (per sheet)	.10	B
834-0005	Green				500+ Sheets (per sheet)	.09	B
834-0006	Blue						
834-0007	Purple						

MAINTENANCE ACCESSORIES

TS7S	824-0007	Tape Splicer	\$ 10.00	C
TST376	824-0376	Mylar Splicing Tape (3/8 x 275")	1.10	C
BE903	832-9032	Cleaning Fluid, 16 oz.	6.35	C
BE903	832-9033	Cleaning Fluid, 32 oz.	8.35	C

TEST TAPES (in cartridges)

350STA	808-0004	Stereo/Mono Frequency Response & Alignment Tape (50 Hz to 15 kHz)	\$ 39.00	C
NAB-3	808-0003	NAB Mono Frequency Response & Test Tape	20.00	C

ON-AIR STUDIO LIGHTS

835-0001	ON-AIR Light, Vertical format	\$ 47.00	B
835-0002	ON-AIR Light, Horizontal format	48.00	B
835-0003	AUDITION Light, Vertical format	48.00	B
835-0004	AUDITION Light, Horizontal format	48.00	B

STUDIO CLOCKS (Battery Powered – C Cell)

BECL-100	835-0100	SPOTMASTER Quartzmatic, white face	\$ 64.00	B
BECL-200	835-0100A	SPOTMASTER Quartzmatic, tan face	64.00	B

SPOTMASTER® TELEPHONE INTERFACE SYSTEMS FOR USE WITH BROADCAST QUALITY TAPE CARTRIDGE MACHINES

Catalog Page 27

Note: Telco 80/90 units used with Western Electric RDL Coupler

TELCO 80	904-0080	Record/Play Telephone Answering Interface System for 400/500/600 Series Cartridge Machines includes counter	\$ 160.00	A
TELCO 90	904-0090	Record/Play Telephone Answering Interface System for 1070 and 370 Series Cartridge Machines includes counter	170.00	A
TELCO 90	904-0091	Record/Play Telephone Answering Interface System for 3000 and 4000 Series Cartridge Machines, includes counter	170.00	A

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<u>MODEL</u>	<u>STOCK NO.</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>	<u>CODE</u>
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TELEPHONE INTERFACE SYSTEMS (Continued)

Note: Telco units listed below used with Western Electric RDM coupler

III/B	904-0003	Telco Telephone Answering Accessory for 400/500/600 Series	125.00	C
III/C	904-0006	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for 400/500/600 Series	150.00	C
IV/B	904-0007	Telco Telephone Answering Accessory for TEN/70 Series	140.00	C
IV/C	904-0008	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for TEN/70 Series	155.00	C
V/B	906-2015	Telco Telephone Answering Accessory for SERIES 2000	140.00	C
V/C	906-2016	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for SERIES 2000	155.00	C
VI/B	906-3017	Telco Telephone Answering Accessory for SERIES 3000 and SERIES 4000	140.00	C
VI/C	906-3018	Telco Telephone Answering Accessory w/manual-automatic switch and remote start for SERIES 3000 and SERIES 4000	155.00	C
		Telco Telephone Answering Accessory for 303, 305, 605 and 610 (5-deck)	350.00	C
TC-4	290-0404	Telco Automatic Counter for Telco, III/B, III/C, IV/B, IV/C, V/B and V/C	35.00	C
TC-4	—	Telco Automatic Counter, Installed for Telco III/B, III/C, IV/B, IV/C, V/B and V/C	52.00	C

AUDIOPAK CARTRIDGES (A2 SERIES)

Catalog Page 28

"A Size"	800-1000	Empty Audiopak, A Size	\$ 2.08	B
	800-1013	20 Seconds (13 feet)	2.30	B
	800-1025	40 Seconds (25 feet)	2.41	B
	800-1044	70 Seconds (44 feet)	2.52	B
	800-1056	90 Seconds (56 feet)	2.55	B
	800-1063	100 Seconds (63 feet)	2.57	B
	800-1088	140 Seconds (88 feet)	2.63	B
	800-1094	2.5 Minutes (94 feet)	2.74	B
	800-1132	3.5 Minutes (132 feet)	2.90	B
	800-1207	5.5 Minutes (207 feet)	3.34	B
	800-1320	8.5 Minutes (320 feet)	4.09	B
800-1394	10.5 Minutes (394 feet)	4.38	B	

10% DISCOUNT ON QUANTITIES OF 50 OR MORE CARTRIDGES, ONE TYPE OR MIXED

LEARNING TAPE—STANDARD PACKAGE—24 PCS.

823-2930	C30	\$ 0.95	X
823-2945	C45	1.15	X
823-2960	C60	1.25	X
823-2990	C90	1.75	X

TERMS AND CONDITIONS OF SALE

- ORDERING INFORMATION:** List item descriptions as they appear in this price schedule or illustrated catalog on your company letterhead or purchase order. Any special instructions should be clearly made a part of the order. We assume no liability for orders when placed by bona fide employees. Orders placed by telephone should be confirmed in writing and must be clearly marked "confirming" or we cannot assume liability for duplicate shipments.
- PRICES:** Prices listed herein are subject to change without prior notice.
- F.O.B.:** Prices are FOB Silver Spring, Maryland, or point of shipment. All transportation costs are the obligation of the buyer, unless otherwise stated.
- TERMS OF SALE:** Broadcast Electronics, Inc. will ship on open account to companies having established accounts with us, or to firms with an acceptable Dun & Bradstreet rating. Open account billing provides terms of NET 30 Days from date of invoice. Open account privileges assume strict adherence to billing terms. Accounts are not available to individuals.
- Cash sales providing for a 2% discount are available, providing payment in full accompanies the order. COD service is available, especially recommended for small rush orders.
- Extended payment and lease terms are available. Write for details.
- WARRANTY:** Broadcast Electronics tape cartridge machines are guaranteed to be free from defects in workmanship and material for a period of two years. During the second year those items subject to normal wear, such as tape heads and pinch rollers, will not be covered under this guarantee. All other Broadcast Electronics products are guaranteed for a period of one year. All warranties are void, A) If equipment has been altered or repaired by others without Broadcast Electronics' specific prior authorization, or B) If equipment is operated under environmental conditions or circumstances other than those specifically described in Broadcast Electronics literature or instruction manuals.
- SHIPPING METHOD:** Unless specifically stated by the buyer, we will exercise our best judgment as to method of shipment. A full range of shipping services is available.
- All goods are either insured or declared for full value and the cost thereof, as part of shipping charges. Claims for damage, either concealed or obvious, are the responsibility of the buyer. Inspection of damaged goods by the delivering carrier is usually the first step necessary. We can assist with specific claims problems.
- SERVICE:** Technical assistance is available by letter or prepaid telephone or telegram. Equipment requiring repair or overhaul should be sent by common carrier, prepaid, insured and well protected. Do not mail equipment. We can assume no liability for inbound damage and necessary repairs become the obligation of the shipper. Prior arrangement is necessary. Contact Customer Service Dept. for Return Authorization
- RETURN OF GOODS:** Unused goods will be accepted for return within thirty days of purchase subject to a re-stocking and handling charge. Liability for a safe, insured, prepaid return rests with the shipper. Do not return any equipment without prior written approval and return authorization from the Customer Service Dept. We will provide shipping instructions and a Return Authorization Number that will assure proper handling and issuance of credit. Custom manufactured equipment is not returnable.

LEASING & TIME PAYMENT PLANS ON REQUEST.

ADDITIONAL INFORMATION

Additional information and product literature are available from your SPOTMASTER Distributor or Broadcast Electronics, Inc.



VIDEO
MONITORS

Broadcast Electronics, Inc. Modtec Division
manufactures monochrome video monitors.



BROADCAST ELECTRONICS INC. — A FILMWAYS COMPANY —
8810 BROOKVILLE ROAD • SILVER SPRING, MARYLAND 20910
PHONE 301-588-4983 • TWX 710-825-0432 • CABLE "SPOTMASTER"

WEST COAST SALES OFFICE:
BROADCAST ELECTRONICS, INC.
1604 N. CAHUENGA BLVD. • LOS ANGELES, CALIFORNIA 90028 • PHONE 213-465-1755

BROADCAST ELECTRONICS, INC.
PRODUCERS OF *Spotmaster* TAPE CARTRIDGE EQUIPMENT

Short Form Price List (Domestic U.S.)

For complete price lists, catalogs and additional
information contact your SPOTMASTER®
Distributor or Broadcast Electronics, Inc.

Effective

March 1, 1977

(Prices herein are for 117V/60 Hz equipment only.)



A FILMWAYS COMPANY

8810 Brookville Road, Silver Spring, MD 20904
Phone: 301-587-1800 • TWX: 710-825-0432
CABLE "SPOTMASTER"



A FILMWAYS COMPANY

8810 Brookville Road, Silver Spring, MD 20904
Phone: 301-587-1800 • TWX: 710-825-0432

MODEL	DESCRIPTION	PROFESSIONAL NET
SERIES 5000 5-DECK TAPE CARTRIDGE MACHINES		
5501	Mono Playback (A Size)	\$2,275.00
5502	Mono Playback (A Size) with Cue Tones	2,540.00
5503	Stereo Playback (A Size)	2,750.00
5504	Stereo Playback (A Size) with Cue Tones	2,995.00

SERIES 5000 3-DECK TAPE CARTRIDGE MACHINES

5301	Mono Playback (A & B Size)	\$1,675.00
5302	Mono Playback (A & B Size) with Cue Tones	1,855.00
5303	Stereo Playback (A & B Size)	1,990.00
5304	Stereo Playback (A & B Size) with Cue Tones	2,185.00

ACCESSORIES FOR MULTI-DECK MACHINES

SW5E	Audio Switcher for 3 Decker	\$ 150.00
SW5E	Audio Switcher for 5 Decker	175.00
5309	Recorder, Mono for 3 Decker	595.00
5310	Recorder, Stereo for 3 Decker	695.00
	Secondary (150 Hz) and Tertiary (8 kHz) Q Trips for Mono or Stereo Recorder	90.00

SERIES 4000 TAPE CARTRIDGE MACHINES

4200P	Mono, Playback Only, A & B Cartridges	\$ 750.00
4200PS	Stereo, Playback Only, A & B Size Cartridges	850.00
4300P	Mono, Playback Only, A, B & C Size Cartridges	800.00
4300RP	Mono, Record/Playback, A, B & C Size Cartridges	1,300.00
4300PS	Stereo, Playback Only, A, B & C Size Cartridges	900.00
4300 RPS	Stereo, Record/Playback, A, B & C Size Cartridges	1,550.00

FACTORY INSTALLED OPTIONS

Q Trip I & II (150 Hz and 8 kHz), Playback Only Models	\$ 65.00
Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models	90.00
Microphone Input Option, Mono Record/Playback Models	75.00
Microphone Input Option, Stereo Record/Playback Models	100.00
Manual Fast Forward, All Models	100.00
Automatic and Manual Fast Forward, Playback Only Models*	175.00
Automatic and Manual Fast Forward, Record/Playback Models*	200.00

*Includes Q Trip I & II (150 Hz and 8 kHz)

MODEL	DESCRIPTION	PROFESSIONAL NET
SERIES 3000 TAPE CARTRIDGE MACHINES		
3100P	Mono, Playback Only, A Size Cartridges	\$ 735.00
3100PS	Stereo, Playback Only, A Size Cartridges	835.00
3200P	Mono, Playback Only, A & B Size Cartridges	740.00
3200RP	Mono, Record/Playback, A & B Size Cartridges	1,300.00
3200PS	Stereo, Playback Only, A & B Size Cartridges	840.00
3200 RPS	Stereo, Record/Playback, A & B Size Cartridges	1,550.00
3200 RP/DL	Mono, Delay Programmer, A & B Size Cartridges	1,450.00
3200 RPS/DL	Stereo, Delay Programmer, A & B Size Cartridges	1,700.00
3300P	Mono, Playback Only, A, B & C Size Cartridges	775.00
3300RP	Mono, Record/Playback, A, B & C Size Cartridges	1,315.00
3300PS	Stereo, Playback Only, A, B & C Size Cartridges	875.00
3300 RPS	Stereo, Record/Playback, A, B & C Size Cartridges	1,550.00

FACTORY INSTALLED OPTIONS

Q Trip I & II (150 Hz and 8 kHz), Playback Only Models	\$ 60.00
Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models	85.00
Adjustment of Equalization to IEC/CCIR Specifications	NC
Microphone Input Option, Mono Record/Playback Models	75.00
Microphone Input Option, Stereo Record/Playback Models	100.00
Manual Fast Forward, All Models	100.00
Automatic and Manual Fast Forward, Playback Only Models*	175.00
Automatic and Manual Fast Forward, Record/Playback Models*	200.00

*Includes Q Trip I & II (150 Hz and 8 kHz)

SERIES 2000 TAPE CARTRIDGE MACHINES

2000P	Series 2000, Monaural Playback, Compact Unit	\$ 500.00
2000RP	Series 2000, Monaural Record/Playback Compact Unit complete with Factory Installed Record Module and Head	725.00
2000PA	Series 2000, Monaural Playback/Audition Compact Unit complete with Factory Installed Audio Module	625.00
2000PS	Series 2000, Stereo Playback, Compact Unit	650.00
2000 RPS	Series 2000, Stereo Record/Playback Compact Unit complete with Factory Installed Record Module and Head	975.00

MODEL	DESCRIPTION	PROFESSIONAL NET
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FIELD INSTALLATION KITS

2000 Mono Record Module, Complete with Record Head and Cue Trip I (150 Hz) Generator to Convert 2000P to Record/Playback	\$ 265.00
2000 Mono Audio Module, Complete with Amplifier and Speaker to Convert 2000P to Playback/Audition	155.00

SERIES 400/500 TAPE CARTRIDGE MACHINES

500D Monaural Record/Playback Unit, Compact	\$ 925.00
500DR Monaural Record/Playback Unit, Rack	940.00
505D Monaural Playback Unit, Compact	675.00
505DR Monaural Playback, Rack Mounting with Slides	700.00
500DS Stereo Record/Playback Unit, Compact	1,250.00
500DRS Stereo Record/Playback Unit, Rack Mounting with Slides	1,325.00
505DS Stereo Playback Unit, Compact	900.00
505DRS Stereo Playback Unit, Rack Mounting	940.00
500D/DL Delay, Record/Playback Unit, Compact	995.00
500DR/DL Delay, Record/Playback Unit, Rack Mounting with Slides	1,060.00
400B Monaural Record/Playback Unit, Compact	695.00
405B Monaural Playback Unit, Compact	495.00

FACTORY INSTALLED OPTIONS

Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 60.00
Installed Cue Trip I Sensor (400B Series, 500DS Series) (150 Hz)	90.00
Installed Cue Trip I Sensor (500D Series) (150 Hz)	95.00
Installed Cue Trip I Generator (400B, 500DS, 500DRS, 500DR) (150 Hz)	70.00
Installed Cue Trip I Generator (500D)(150 Hz)	70.00
Installed Cue Trip II Sensor all models (8 kHz)	90.00
Installed Cue Trip II Generator all models (8 kHz)	90.00
Installed Microphone Preamplifier Option (Models 400B, 500DS Series, 500DR Series)	60.00
Installed 600 ohm output transformer (400B, 405B)	50.00

VERSA AUDIO CONSOLE

4BEV-50 4 Mixer Mono Console with Rack Mount Adapters	\$ 550.00
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50 SERIES MONO AND STEREO CONSOLES

4BEM-50 SPOTMASTER 4-Mixer Monophonic Console	\$ 595.00
4BEM-50R SPOTMASTER Rack Mount 4-Mixer Monophonic Console	625.00
4BES-50 SPOTMASTER 4-Mixer, Stereophonic Console	995.00

MODEL	DESCRIPTION	PROFESSIONAL NET
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50 SERIES CONSOLES (Continued)

4BES-50R SPOTMASTER Rack Mount 4-Mixer Stereophonic Console	1,025.00
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100/200 SERIES MONO AUDIO CONSOLES

5BEM-100 SPOTMASTER 5-Mixer Monophonic Console, sealed Pots Dual	\$ 995.00
5BEM-200 SPOTMASTER 5-Mixer Deluxe Monophonic Console, Step Type Attenuators, Dual	1,495.00
8BEM-100 SPOTMASTER 8-Mixer Monophonic Console, sealed Pots, Dual	1,595.00
8BEM-200 SPOTMASTER 8-Mixer Deluxe Monophonic Console, Step Type Attenuators, Dual	2,595.00
Step Type Attenuators Installed in 5 BEM-100	265.00 Per Set
Step Type Attenuators Installed in 8 BEM-100	425.00 Per Set
RIAA Equalized Phono Preamplifier Module	150.00

100/200 SERIES STEREO AUDIO CONSOLES

5BES-100 SPOTMASTER 5-Mixer Stereophonic Console, sealed Pots	\$1,395.00
5BES-200 SPOTMASTER 5-Mixer Deluxe Stereophonic Console, Step Type Attenuators	2,195.00
8BES-100 SPOTMASTER 8-Mixer Stereophonic Console, sealed Pots	2,295.00
8BES-200 SPOTMASTER 8-Mixer Deluxe Stereophonic Console, Step Type Attenuators	3,395.00
Step Type Attenuators Installed in 5 BES-100	425.00 Per Set
Step Type Attenuators Installed in 8 BES-100	675.00 Per Set
Mono Matrix Card for 5 BES-100 and 8 BES-100	60.00
Line Amplifier for Stereo Audition Channel 5 BES-100 and 8 BES-100 (2 Required)	60.00
Second Muting Relay for 8 BES-100 and 5 BES-100	25.00
RIAA Equalized Phono Preamplifier Module	150.00

4006 SERIES SLIDE MIXER AUDIO CONSOLES

BEML-4006-6 SPOTMASTER modular SLIDEMOD monophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules.	\$2,895.00
BEML-4006-10 SPOTMASTER monophonic SLIDEMOD console with 10 input modules (mixers)	3,595.00
BESL-4006-6 SPOTMASTER modular SLIDEMOD stereophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules.	4,195.00

CONSOLES Continued on next page

MODEL	DESCRIPTION	PROFESSIONAL NET
4000 SERIES (Continued)		
BESL-4006-10	SPOTMASTER stereophonic SLIDEMOD console with 10 input modules (mixers)	5,695.00
BEML-4101-M	Input Mixing Module, w/muting (mono) (BEML-4006)	350.00
BEML-4101-X	Input Mixing Module less muting (mono)	335.00
BEML-4102	Remote Input module (mono)	170.00
BESL-4101-M	Input Mixing Module, w/muting (stereo) (BESL-4006)	450.00
BESL-4101-X	Input Mixing Module, less muting, (stereo) (BESL-4006)	430.00
BESL-4102	Remote input module (stereo) (BESL-4006)	165.00

3006 SERIES SLIDE MIXER AUDIO CONSOLES

BEML-3006-10	SPOTMASTER Non-Modular 10 Slide Fader Dual Channel Monophonic Console	\$2,695.00
BESL-3006-10	SPOTMASTER Non-Modular 10 Slide Fader Dual Channel Stereophonic Console	3,595.00

AUDIO PROCESSING AND DISTRIBUTION AMPLIFIERS

CLE-500	SPOTMASTER Sound Britener Compressor-Limiter-Expander for AM Broadcasting or Mono Recording	\$ 795.00
FM-600	FM/AGC Limiter for Mono	1,495.00
FM-601	FM AGC/Limiter for Stereo	1,795.00
AM-400	Compressor-Limiter Amplifier, rack mounting, Mono	550.00
AD1B	Audio D.A.; 1 in, 5 out, rack mounting, Emitter Follower Output	395.00
AD1B/T	Audio D.A.; 1 in, 5 out, rack mounting, Transformer Outputs	475.00
AD1BX	5-Channel Extender for use with AD1B, rack mounting, Emitter Follower Output	295.00
AD1BX/T	5-Channel Extender for use with AD1B, rack mounting, Transformer Output	415.00
BEM-10	Monitor Amplifier, 10 watt, rack mounting	145.00

TURNTABLE PRE-AMPLIFIERS

BETMS-100	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier (less transformer output) phase reversal feature	\$ 140.00
BETMS-200	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier w/transformer output, phase reversal feature	165.00

PROFESSIONAL TURNTABLES

	SPOTMASTER, Studio Pro-B, 12" direct-drive 2 speed turntable (33-1/3, 45) w/hys. syn. motor	\$ 294.00
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MODEL	DESCRIPTION	PROFESSIONAL NET
PROFESSIONAL TURNTABLES (Continued)		
	SPOTMASTER, CueMaster, 12" direct-drive 3 speed turntable (33-1/3, 45, 78) w/hys. syn. motor	253.00

MICRO-TRAK TONE ARMS

MICRO-TRAK (GRAY) TONE ARMS		
303	12" Micro-Trak Arm	\$ 85.00
306	16" Micro-Trak Arm	89.75
206S	12" Tone Arm, Viscous damped	75.50

CARTRIDGES, TONE ARM

500AA	Stanton Cartridge, .5 mil stylus	\$ 19.25
500AL	Stanton Cartridge, .7 mil (extra heavy duty) stylus	16.50
681A	Stanton Cartridge, calibration standard .7 mil stylus	43.20
681EE	Stanton Cartridge, .2 x .7 mil elliptical stylus	46.80

MICROPHONES – Electro-Voice

635A	Microphone, omnidirectional dynamic	\$ 63.00
D054	Microphone, omnidirectional slim-trim	82.50
664	Microphone, Cardioid, dynamic	79.00
649B	Microphone, Lavalier	90.00
RE10	Super Cardioid (80 Hz to 13 kHz)	114.00
RE15	Super Cardioid, highest quality (80 Hz-15 kHz)	180.00
RE85	Shock Mounted Lavalier	96.00
630	Low cost omnidirectional, w/switch	63.00

LUXO MICROPHONE ARM

LM-1-41-A	Luxo Arm with portable "C" type mounting clamp	\$ 35.00
LM-1-41C	Luxo Arm with table-top, permanent screw down mount	35.00

STUDIO EQUIPMENT CONTROL ROOM FURNITURE CONSOLE FURNITURE, FRENCH BLUE TOP WITH PECAN CABINETS (FORMICA NO. 422 CORTENA)

	SPOTMASTER Single Turntable Floor Cabinet (22" x 22" x 29")	\$ 190.00
	SPOTMASTER Dual Section Floor Cabinet (42" x 22" x 29")	300.00
	SPOTMASTER Console Desk Top (80" x 24" x 1½")	120.00
	SPOTMASTER Leg, chrome, tapered (4 req'd. for free-standing console section)	11.00

CUE CLOCK

829-1000	SPOTMASTER Digital Timing Clock. Remote control, 4 selectable inputs, visual cue indicator plus digital display. 99 minute, 59 second capacity count down or count to.	\$ 350.00
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BROADCAST ELECTRONICS, INC.
PRODUCERS OF *Spotmaster*[®] TAPE CARTRIDGE EQUIPMENT

Short Form Price List (Domestic U.S.)

For complete price lists, catalogs and additional
information contact your SPOTMASTER[®]
Distributor or Broadcast Electronics, Inc.

Effective

March 1, 1977

(Prices herein are for 117V/60 Hz equipment only.)



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<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
SERIES 5000 5-DECK TAPE CARTRIDGE MACHINES		
5501	Mono Playback (A Size)	\$2,275.00
5502	Mono Playback (A Size) with Cue Tones	2,540.00
5503	Stereo Playback (A Size)	2,750.00
5504	Stereo Playback (A Size) with Cue Tones	2,995.00

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
SERIES 5000 3-DECK TAPE CARTRIDGE MACHINES		
5301	Mono Playback (A & B Size)	\$1,675.00
5302	Mono Playback (A & B Size) with Cue Tones	1,855.00
5303	Stereo Playback (A & B Size)	1,990.00
5304	Stereo Playback (A & B Size) with Cue Tones	2,185.00

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
ACCESSORIES FOR MULTI-DECK MACHINES		
SW5E	Audio Switcher for 3 Decker	\$ 150.00
SW5E	Audio Switcher for 5 Decker	175.00
5309	Recorder, Mono for 3 Decker	595.00
5310	Recorder, Stereo for 3 Decker	695.00
	Secondary (150 Hz) and Tertiary (8 kHz) Q Trips for Mono or Stereo Recorder	90.00

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
SERIES 4000 TAPE CARTRIDGE MACHINES		
4200P	Mono, Playback Only, A & B Cartridges	\$ 750.00
4200PS	Stereo, Playback Only, A & B Size Cartridges	850.00
4300P	Mono, Playback Only, A, B & C Size Cartridges	800.00
4300RP	Mono, Record/Playback, A, B & C Size Cartridges	1,300.00
4300PS	Stereo, Playback Only, A, B & C Size Cartridges	900.00
4300 RPS	Stereo, Record/Playback, A, B & C Size Cartridges	1,550.00

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
FACTORY INSTALLED OPTIONS		
	Q Trip I & II (150 Hz and 8 kHz), Playback Only Models	\$ 65.00
	Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models	90.00
	Microphone Input Option, Mono Record/Playback Models	75.00
	Microphone Input Option, Stereo Record/Playback Models	100.00
	Manual Fast Forward, All Models	100.00
	Automatic and Manual Fast Forward, Playback Only Models*	175.00
	Automatic and Manual Fast Forward, Record/Playback Models*	200.00
*Includes Q Trip I & II (150 Hz and 8 kHz)		

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
SERIES 3000 TAPE CARTRIDGE MACHINES		
3100P	Mono, Playback Only, A Size Cartridges	\$ 735.00
3100PS	Stereo, Playback Only, A Size Cartridges	835.00
3200P	Mono, Playback Only, A & B Size Cartridges	740.00
3200RP	Mono, Record/Playback, A & B Size Cartridges	1,300.00
3200PS	Stereo, Playback Only, A & B Size Cartridges	840.00
3200 RPS	Stereo, Record/Playback, A & B Size Cartridges	1,550.00
3200 RP/DL	Mono, Delay Programmer, A & B Size Cartridges	1,450.00
3200 RPS/DL	Stereo, Delay Programmer, A & B Size Cartridges	1,700.00
3300P	Mono, Playback Only, A, B & C Size Cartridges	775.00
3300RP	Mono, Record/Playback, A, B & C Size Cartridges	1,315.00
3300PS	Stereo, Playback Only, A, B & C Size Cartridges	875.00
3300 RPS	Stereo, Record/Playback, A, B & C Size Cartridges	1,550.00

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
FACTORY INSTALLED OPTIONS		
	Q Trip I & II (150 Hz and 8 kHz), Playback Only Models	\$ 60.00
	Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models	85.00
	Adjustment of Equalization to IEC/CCIR Specifications	NC
	Microphone Input Option, Mono Record/Playback Models	75.00
	Microphone Input Option, Stereo Record/Playback Models	100.00
	Manual Fast Forward, All Models	100.00
	Automatic and Manual Fast Forward, Playback Only Models*	175.00
	Automatic and Manual Fast Forward, Record/Playback Models*	200.00
*Includes Q Trip I & II (150 Hz and 8 kHz)		

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PROFESSIONAL NET</u>
SERIES 2000 TAPE CARTRIDGE MACHINES		
2000P	Series 2000, Monaural Playback, Compact Unit	\$ 500.00
2000RP	Series 2000, Monaural Record/Playback Compact Unit complete with Factory Installed Record Module and Head	725.00
2000PA	Series 2000, Monaural Playback/Audition Compact Unit complete with Factory Installed Audio Module	625.00
2000PS	Series 2000, Stereo Playback, Compact Unit	650.00
2000 RPS	Series 2000, Stereo Record/Playback Compact Unit complete with Factory Installed Record Module and Head	975.00

MODEL	DESCRIPTION	PROFESSIONAL NET
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FIELD INSTALLATION KITS

2000 Mono Record Module, Complete with Record Head and Cue Trip I (150 Hz) Generator to Convert 2000P to Record/Playback	\$ 265.00
2000 Mono Audio Module, Complete with Amplifier and Speaker to Convert 2000P to Playback/Audition	155.00

SERIES 400/500 TAPE CARTRIDGE MACHINES

500D Monaural Record/Playback Unit, Compact	\$ 925.00
500DR Monaural Record/Playback Unit, Rack	940.00
505D Monaural Playback Unit, Compact	675.00
505DR Monaural Playback, Rack Mounting with Slides	700.00
500DS Stereo Record/Playback Unit, Compact	1,250.00
500DRS Stereo Record/Playback Unit, Rack Mounting with Slides	1,325.00
505DS Stereo Playback Unit, Compact	900.00
505DRS Stereo Playback Unit, Rack Mounting	940.00
500D/DL Delay, Record/Playback Unit, Compact	995.00
500DR/DL Delay, Record/Playback Unit, Rack Mounting with Slides	1,060.00
400B Monaural Record/Playback Unit, Compact	695.00
405B Monaural Playback Unit, Compact	495.00

FACTORY INSTALLED OPTIONS

Alternate Tape Speed or Line Voltage/Frequency Standards	\$ 60.00
Installed Cue Trip I Sensor (400B Series, 500DS Series) (150 Hz)	90.00
Installed Cue Trip I Sensor (500D Series) (150 Hz)	95.00
Installed Cue Trip I Generator (400B, 500DS, 500DRS, 500DR) (150 Hz)	70.00
Installed Cue Trip I Generator (500D)(150 Hz)	70.00
Installed Cue Trip II Sensor all models (8 kHz)	90.00
Installed Cue Trip II Generator all models (8 kHz)	90.00
Installed Microphone Preamp Option (Models 400B, 500DS Series, 500DR Series)	60.00
Installed 600 ohm output transformer (400B, 405B)	50.00

VERSA AUDIO CONSOLE

4BEV-50 4 Mixer Mono Console with Rack Mount Adapters	\$ 550.00
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50 SERIES MONO AND STEREO CONSOLES

4BEM-50 SPOTMASTER 4-Mixer Monophonic Console	\$ 595.00
4BEM-50R SPOTMASTER Rack Mount 4-Mixer Monophonic Console	625.00
4BES-50 SPOTMASTER 4-Mixer, Stereophonic Console	995.00

MODEL	DESCRIPTION	PROFESSIONAL NET
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50 SERIES CONSOLES (Continued)

4BES-50R SPOTMASTER Rack Mount 4-Mixer Stereophonic Console	1,025.00
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100/200 SERIES MONO AUDIO CONSOLES

5BEM-100 SPOTMASTER 5-Mixer Monophonic Console, sealed Pots Dual	\$ 995.00
5BEM-200 SPOTMASTER 5-Mixer Deluxe Monophonic Console, Step Type Attenuators, Dual	1,495.00
8BEM-100 SPOTMASTER 8-Mixer Monophonic Console, sealed Pots, Dual	1,595.00
8BEM-200 SPOTMASTER 8-Mixer Deluxe Monophonic Console, Step Type Attenuators, Dual	2,595.00
Step Type Attenuators Installed in 5 BEM-100	265.00 Per Set
Step Type Attenuators Installed in 8 BEM-100	425.00 Per Set
RIAA Equalized Phono Preamp Module	150.00

100/200 SERIES STEREO AUDIO CONSOLES

5BES-100 SPOTMASTER 5-Mixer Stereophonic Console, sealed Pots	\$1,395.00
5BES-200 SPOTMASTER 5-Mixer Deluxe Stereophonic Console, Step Type Attenuators	2,195.00
8BES-100 SPOTMASTER 8-Mixer Stereophonic Console, sealed Pots	2,295.00
8BES-200 SPOTMASTER 8-Mixer Deluxe Stereophonic Console, Step Type Attenuators	3,395.00
Step Type Attenuators Installed in 5 BES-100	425.00 Per Set
Step Type Attenuators Installed in 8 BES-100	675.00 Per Set
Mono Matrix Card for 5 BES-100 and 8 BES-100	60.00
Line Amplifier for Stereo Audition Channel 5 BES-100 and 8 BES-100 (2 Required)	60.00
Second Muting Relay for 8 BES-100 and 5 BES-100	25.00
RIAA Equalized Phono Preamp Module	150.00

4006 SERIES SLIDE MIXER AUDIO CONSOLES

BEML-4006-6 SPOTMASTER modular SLIDEMOD monophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules.	\$2,895.00
BEML-4006-10 SPOTMASTER monophonic SLIDEMOD console with 10 input modules (mixers)	3,595.00
BESL-4006-6 SPOTMASTER modular SLIDEMOD stereophonic console with linear slide faders. Equipped with 6 input modules (mixers). Accommodates up to 10 input modules.	4,195.00

CONSOLES Continued on next page

MODEL	DESCRIPTION	PROFESSIONAL NET
4000 SERIES (Continued)		
BESL-4006-10	SPOTMASTER stereophonic SLIDEMOD console with 10 input modules (mixers)	5,695.00
BESL-4101-M	Input Mixing Module, w/muting (mono)	350.00
BESL-4101-X	Input Mixing Module less muting (mono)	335.00
BESL-4102	Remote Input module (mono)	170.00
BESL-4101-M	Input Mixing Module, w/muting (stereo)	450.00
BESL-4101-X	Input Mixing Module, less muting, (stereo)	430.00
BESL-4102	Remote input module (stereo) (BESL-4006)	165.00

3006 SERIES SLIDE MIXER AUDIO CONSOLES

BESL-3006-10	SPOTMASTER Non-Modular 10 Slide Fader Dual Channel Monophonic Console	\$2,695.00
BESL-3006-10	SPOTMASTER Non-Modular 10 Slide Fader Dual Channel Stereophonic Console	3,595.00

AUDIO PROCESSING AND DISTRIBUTION AMPLIFIERS

CLE-500	SPOTMASTER Sound Britener Compressor-Limiter-Expander for AM Broadcasting or Mono Recording	\$ 795.00
FM-600	FM/AGC Limiter for Mono	1,495.00
FM-601	FM AGC/Limiter for Stereo	1,795.00
AM-400	Compressor-Limiter Amplifier, rack mounting, Mono	550.00
AD1B	Audio D.A.; 1 in, 5 out, rack mounting, Emitter Follower Output	395.00
AD1B/T	Audio D.A.; 1 in, 5 out, rack mounting, Transformer Outputs	475.00
AD1BX	5-Channel Extender for use with AD1B, rack mounting, Emitter Follower Output	295.00
AD1BX/T	5-Channel Extender for use with AD1B, rack mounting, Transformer Output	415.00
BEM-10	Monitor Amplifier, 10 watt, rack mounting	145.00

TURNTABLE PRE-AMPLIFIERS

BETMS-100	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier (less transformer output) phase reversal feature	\$ 140.00
BETMS-200	SPOTMASTER Monaural/Stereo Equalized Pre-amplifier w/transformer output, phase reversal feature	165.00

PROFESSIONAL TURNTABLES

SPOTMASTER, Studio Pro-B, 12" direct-drive 2 speed turntable (33-1/3, 45) w/hys. syn. motor	\$ 294.00
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MODEL	DESCRIPTION	PROFESSIONAL NET
PROFESSIONAL TURNTABLES (Continued)		
SPOTMASTER, CueMaster, 12" direct-drive 3 speed turntable (33-1/3, 45, 78) w/hys. syn. motor	253.00	

MICRO-TRAK TONE ARMS

MICRO-TRAK (GRAY) TONE ARMS		
303	12" Micro-Trak Arm	\$ 85.00
306	16" Micro-Trak Arm	89.75
206S	12" Tone Arm, Viscous damped	75.50
CARTRIDGES, TONE ARM		
500AA	Stanton Cartridge, .5 mil stylus	\$ 19.25
500AL	Stanton Cartridge, .7 mil (extra heavy duty) stylus	16.50
681A	Stanton Cartridge, calibration standard .7 mil stylus	43.20
681EE	Stanton Cartridge, .2 x .7 mil elliptical stylus	46.80

MICROPHONES – Electro-Voice

635A	Microphone, omnidirectional dynamic	\$ 63.00
D054	Microphone, omnidirectional slim-trim	82.50
664	Microphone, Cardioid, dynamic	79.00
649B	Microphone, Lavalier	90.00
RE10	Super Cardioid (80 Hz to 13 kHz)	114.00
RE15	Super Cardioid, highest quality (80 Hz-15 kHz)	180.00
RE85	Shock Mounted Lavalier	96.00
630	Low cost omnidirectional, w/switch	63.00

LUXO MICROPHONE ARM

LM-1-41-A	Luxo Arm with portable "C" type mounting clamp	\$ 35.00
LM-1-41C	Luxo Arm with table-top, permanent screw down mount	35.00

STUDIO EQUIPMENT CONTROL ROOM FURNITURE CONSOLE FURNITURE, FRENCH BLUE TOP WITH PECAN CABINETS (FORMICA NO. 422 CORTENA)

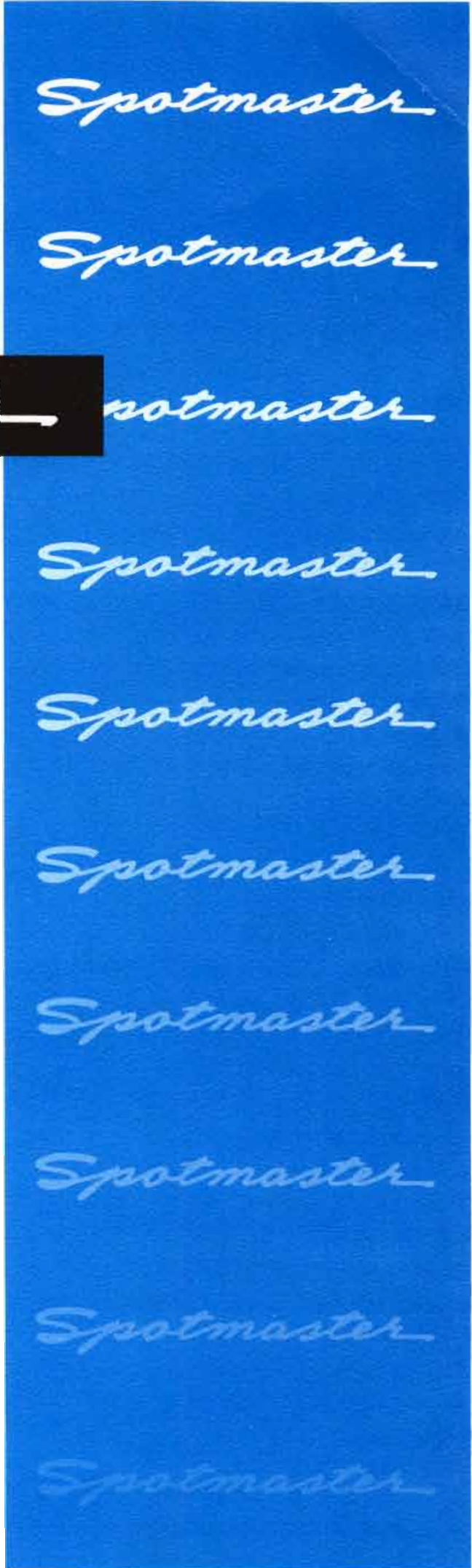
SPOTMASTER Single Turntable Floor Cabinet (22" x 22" x 29")	\$ 190.00
SPOTMASTER Dual Section Floor Cabinet (42" x 22" x 29")	300.00
SPOTMASTER Console Desk Top (80" x 24" x 1½")	120.00
SPOTMASTER Leg, chrome, tapered (4 req'd. for free-standing console section)	11.00

CUE CLOCK

829-1000	SPOTMASTER Digital Timing Clock. Remote control, 4 selectable inputs, visual cue indicator plus digital display. 99 minute, 59 second capacity count down or count to.	\$ 350.00
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Spotmaster

Tape Cartridge and
Accessory Audio Products
Equipment Catalog



BROADCAST ELECTRONICS, INC.
— A FILMWAYS COMPANY —

Modern Office and Manufacturing Facilities



Since 1959, when Broadcast Electronics introduced the first tape cartridge unit, more than 10,000 systems have been installed in broadcast stations and in many industrial installations in the U.S. alone, and are currently in use in virtually every continent of the world.

SPOTMASTER takes pride in presenting one of the most comprehensive catalogs on Tape Cartridge Equipment, systems, and accessory audio equipment ever assembled by a manufacturer. Here you will find the most complete range of single deck record/playback or multiple deck playback equipment and accessories offered by any manufacturer.

For our overseas customers we offer complete export services as well as equipment conversions compatible with local requirements.

At Broadcast Electronics we take pride in the SPOTMASTER trademark – the World's Leader in Tape Cartridge Equipment.

Spotmaster/Revox Model A77 Mark III B

Broadcast version of the renowned REVOX A77 stereo/mono tape recorder.



REVOX has been an innovator in tape recorder design for almost twenty years. Among the first to pioneer a three motor tape deck and:

- An electronically regulated (servo) capstan motor
- Capstan system of one revolving part construction. No belts or idler wheels are employed. Speed change effected electronically
- Electromagnetic servo braking system
- Optical end-of-tape switch
- Electromagnetic pressure roller
- 50 or 60 Hz operation without any adjustment

Other features:

- Accurately calibrated VU meters with special lights to indicate record mode
- Dual inputs for front or rear microphone connection plus switchable choice of matching impedance either high or low
- Professional three-head design for on/off tape monitoring as well as provision for mixing, multi-track and echo effects
- Reel motor defeat switch for manual reel handling during editing 10½" reels for longer uninterrupted recording time
- Exceptionally smooth fast forward and rewind speeds thanks to professional three motor design and servo braking system
- Headphone monitoring available on front panel with stereo balance and volume control
- Selectable tension for large or small spool operation.

Specifications

Tape Speed:	3¾ and 7½ IPS, max. deviation from nominal ±0.2%.	Crosstalk at 1 KHz:	Mono better than 60 dB, stereo better than 45 dB.
Wow and Flutter:	Total rms, weighted 0.04% at 7½ IPS and 0.05% at 3¾ IPS. Weighted peak to peak flutter as per DIN 0.08% at 7½ IPS and 0.1% at 3¾ IPS.	Inputs Per Channel:	Microphone, low impedance 50 to 600 ohms 0.15 mv, high impedance up to 100 k ohms 2.5 mv - Radio 2.5 mv - Auxiliary 35 mv. All inputs have an overload margin of 40 dB (1:100).
Tape Slip:	Not exceeding 0.2%.	Outputs Per Channel:	Amplifier max. 2.5 V, internal impedance 600 ohms - Radio max. 1.2 V, internal impedance 2.5 k ohms - Headphones, volume adjustable, load impedance 200 ohms or more.
Tape Spool Diameter:	Up to 10½ inches (minimum hub diameter 2-3/8 inches)	Power Requirements:	Voltage selector for 110 to 250 V, 50 to 60 Hz operation without need for consumption 70 . . . 100 watts.
Operating Position:	Horizontal or vertical.	Dimensions:	19" rack panel, 14" high, 7½ deep.
Frequency Response:	Via Tape at 7½ IPS: 30 Hz to 20 KHz + 2/-3 dB 50 Hz to 15 KHz ±1.5 dB Via Tape at 3¾ IPS: 30 Hz to 16 KHz + 2/-3 dB 50 Hz to 10 KHz ±1.5 dB	Weight:	34 lbs.
Equalization:	Record NAB, playback NAB and IEC (switchable)	Optional:	Mark III in carrying case, 7½ - 15 IPS full track, Dolby "B", sel-sync, variable pitch, plug-in power amps, remote controls.
Distortion:	Measured via tape at 1 KHz peak level and at 0 VU respectively, 7½ IPS less than 3% or 1.0% respectively.	WARRANTY:	Lifetime on all parts except for heads, capstan and pressure roller which have a 1 year warranty.
Signal to Noise Ratio:	Weighted readings via tape 7½ IPS better than 61 dB (4-track 57 dB). 3¾ IPS better than 58 dB (4-track 54 dB)		



PIONEERS AND DEVELOPERS OF THE FIRST DYNAMIC TRANSDUCER
FINE MICROPHONES AND HEADPHONES FOR OVER 40 YEARS



M69 Cardioid

Moving coil microphone. Unusually sensitive, suitable for hand or stand use.

Response 50 - 16 KHz
Output -50 dBm



M111 Cavalier

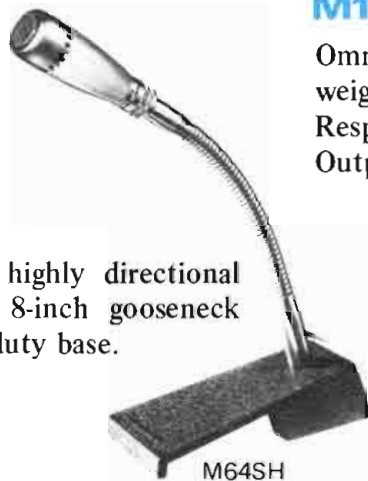
Designed to overcome "hollow" effect.

Response 60 - 15 KHz
Output -56 dBm

M260 Super Cardioid

May be hand held or operated from stand.

Response 50 - 18 KHz
Output -58 dBm



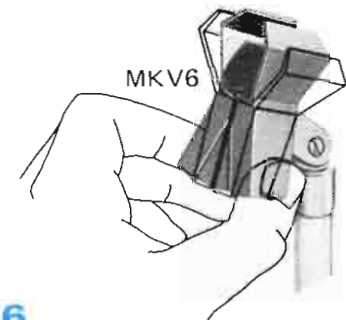
M64SH

Economical, small, highly directional microphone with 8-inch gooseneck mounted on heavy duty base.

M101

Omni-directional, extremely small, weighs only 4 oz.

Response 60 - 15 KHz
Output -56 dBm



MKV6

Universal microphone clamp accepts cylindrical or conical microphone shafts with diameters from 0.7" to 1.3"



DT480

Higher quality.
Response 20 - 20 KHz
Impedance 5, 25, or 200 ohms

Stereo Headphones

All modular units - plug in capsules, leads, headband, cushions.



DT100

Economical
Response 30 - 20 KHz
Impedance 5, 100, 400, or 2K ohms



SS220 Floor Stand

Adjustable heavy duty fold-away stand with acoustic leg attenuators.

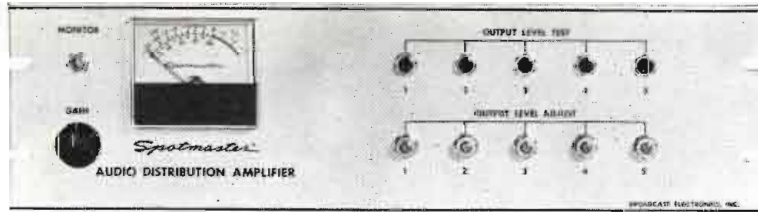
All microphones terminate in XLR fitting, supplied with 16 ft. cable. Impedance normally 200 ohm; 37.5 or 500 ohms available. Other Beyer microphones available.



BROADCAST ELECTRONICS, INC.
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8810 BROOKVILLE ROAD • SILVER SPRING, MD. 20910
PHONE 301-588-4983 • CABLE "SPOTMASTER"

AD1B Audio Distribution Amplifier



The SPOTMASTER Audio Distribution Amplifier is specifically and meticulously designed for the purpose of distributing audio signals to multiple points within a studio system or to telephone lines. Therefore, this unit is readily adaptable to AM, FM, and TV broadcast stations plus recording and audio studios.

Visual (VU meter) and aural (headphone jack) monitoring of the input signal at the output of the line amplifier is also provided, as well as separate monitoring and level controls for each output.

The five highly isolated output channels of the ADIB are expandable up to 25 output channels by the addition of ADIB-X Extenders, which also contain the same aural monitoring facilities as the ADIB.

Both units are available with either optional output transformers or standard unbalanced emitter follower output, with an input transformer common to both. Input circuitry may be operated either, bridging or matching and balanced or unbalanced.

Model CLA-20-40 Compressor-Limiter Amplifier



- SWITCHABLE SYMMETRICAL OR ASSYMMETRICAL PEAK LIMITING
- SWITCHABLE PRE-EMPHASIZED OR FLAT RESPONSE – AM/FM
- 40 dB DYNAMIC RANGE
- SOLID STATE, PLUG-IN MODULAR CONSTRUCTION

The CLA-20-40 has applications in AM or FM installations. This Compressor-Limiter Amplifier combines both compression and limiting functions. Switchable control systems for Symmetrical (FM) or Asymmetrical (AM) Peak Limiting; pre-emphasized or flat audio response; and Compress/Limit, Compress only or Compress/Limit off provide complete equipment flexibility. Strap (2) CLA-20-40 for stereo applications.

Specifications

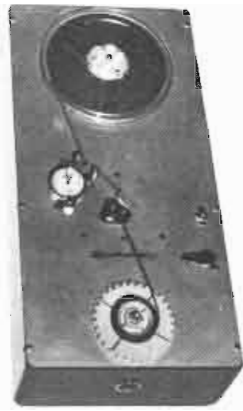
Input Impedance:	Matching: 600Ω, Bridging, 10KΩ ADIB-X: 10KΩ, unbalanced
Output Load Impedance:	600Ω (Optional 150/600Ω)
Input Level:	Max.: +30 dBm, ADIB-X: +5 dBm Min.: Matching -26 dBm, Bridging -10 dBm
Output Level: (Per Channel)	+4 dBm (+14 dBm peak)
Gain:	Matching: 30 dB, Bridging: 14 dB. ADIB-X: Unity.
Frequency Response:	±1 dB @ 30 - 15 kHz, ±2 dB @ 20 - 20 kHz.
Distortion:	Less than 1%.
Noise:	65 dB or better, below rated output.
Channel Separation:	60 dB.
Ambient Temperature:	(Max.) 55°C.
Power:	115 V ac, 50/60 Hz, 50 watts, ADIB-X: 40 watts.
Dimensions:	19" W x 5¼" H x 7-1/8" L.
Weight:	9½ lbs., ADIB-X: 8 lbs.
Finish:	Clear anodized brushed aluminum, with black lettering.
Controls:	1 gain, 5 output level, 5 meter monitor (momentary), ADIB-X; 5 output level; 5 momentary meter switch.
Connections:	Rear panel barrier strips.

Specifications

Input and Output Impedance:	600 ohms balanced or unbalanced.
Input Level:	-20 dBm to +15 dBm.
Maximum Output Level:	+20 dBm RMS.
Frequency Response:	50 Hz to 15 kHz flat within 0.5 dB in AM or FM mode.
Maximum Gain:	40 dB.
Noise Level:	-66 dB ref. +10 dBm output.
Compression Ratio:	Less than 1% THD at all compression levels.
Automatic Gain Control Range:	Better than 10:1.
Metering:	Gain reduction, output level +4 VU, +10 VU.
AM-FM Operation:	Both. Standard 75 microsecond pre-emphasis/de-emphasis used in FM operation.
Physical Dimensions:	3½" x 19" rack panel.
Power Requirements:	120/240 volts, 50/60 Hz, 10 watts.
Weight:	6 lbs.



TP1B Tape Cartridge Winder



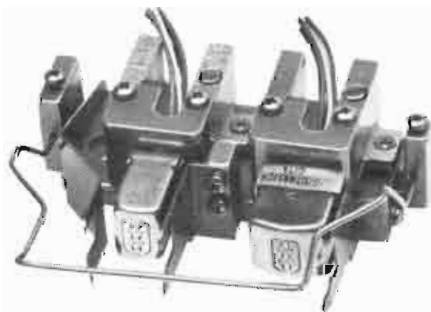
The SPOTMASTER Tape Cartridge Winder is a rugged, dependable and field tested tape cartridge winder which fills a need in every station using cartridge equipment. It is no longer necessary to limit your cartridge operation by using only stock sizes or to tie up your conventional tape equipment to load tape cartridges. The SPOTMASTER Winder, will handle all reel sizes and runs at 22½" per second. Worn tape in old cartridges is easily replaced. New or old cartridges may be wound to any length. TP60B Tape Timer installed, optional.

Specifications

Size:	10" W x 20" L x 6½" H.
Weight:	9½ lbs.
Power Requirements:	117 V ac, 50/60 Hz, 30 watts
Winding Speed:	22½ IPS.
Drive Motor:	4 pole induction.
Tape Up Reel:	Up to 7½" dia.
Capacity:	Handles supply reel up to 3600' 1 mil lubricated tape.

New from Spotmaster

Stereo Head Bracket



Phase out stereo phase problems with the SPOTMASTER precision PHASE-LOK Head Bracket.

Precision tape guidance system and heavy die-cast assembly provides accurate and permanent tape-to-head alignment. Available for use in Ten/70 and Mini-Series cartridge equipment.

Remote Control Units



BE-102 is designed to externally control up to three single deck units. BE-102 offers start and stop functions on convenient desk-top panel with 15-feet of cable.

BE-106 is exclusively designed for 5-SPOT Systems. Completely illuminated start and stop controls in handsome console and sequence indicators for logic memory of next deck scheduled. Use (2)BE-106 for 10-SPOT.

Now Available from Spotmaster

Model A-2 Audiopak Broadcast Tape Cartridge



Designed to meet all NAB specifications for the type "A" continuous loop tape cartridge, Audiopak Model A-2 offers quality, reliability, and consistently high performance.

Thanks to Audiopak's unique patented design, the problems usually associated with continuous loop tape cartridges have been totally eliminated in the new Model A-2. The result is a tape cartridge that provides the ultimate in effective tape guidance and control, with minimal maintenance. Available empty or loaded with Formule 17 lubricated tape from 20 seconds to 10.5 minutes playtime.



BROADCAST ELECTRONICS, INC.

Spotmaster®



SERIES 3000 TAPE CARTRIDGE MACHINES

Space Saving Designs
for all size cartridges



Model 3100 Slim Line — the space saver for A size cartridges. Available in mono and stereo playback. Three units mount side-by-side in a 19-inch rack adapter.



Model 3200 Compact — for A and B cartridges. Available in mono and stereo, record/playback and playback only. Two units mount side-by-side in a 19-inch rack adapter.



Model 3300 Standard — for A, B and C cartridges. Available in mono and stereo, record/playback and playback only. A Model 3300 may be mounted side-by-side with a Model 3100 in a 19-inch rack adapter.

BROADCAST ELECTRONICS, INC.

PRODUCERS OF *Spotmaster*® TAPE CARTRIDGE EQUIPMENT

Professional Quality Machines

The 3000 Series is the new SPOTMASTER family of professional quality tape cartridge machines. Now in use worldwide, and proven and up-dated during continuous production, this family of equipment represents a new standard of excellence.

Series 3000 machines offer numerous benefits: a wide selection of options and models; an inherently reliable electronic design which makes extensive use of solid-state and integrated circuit technology; the exclusive Phase Lok III head bracket; and a rugged mechanical design which is second to none.

HEAD ASSEMBLY

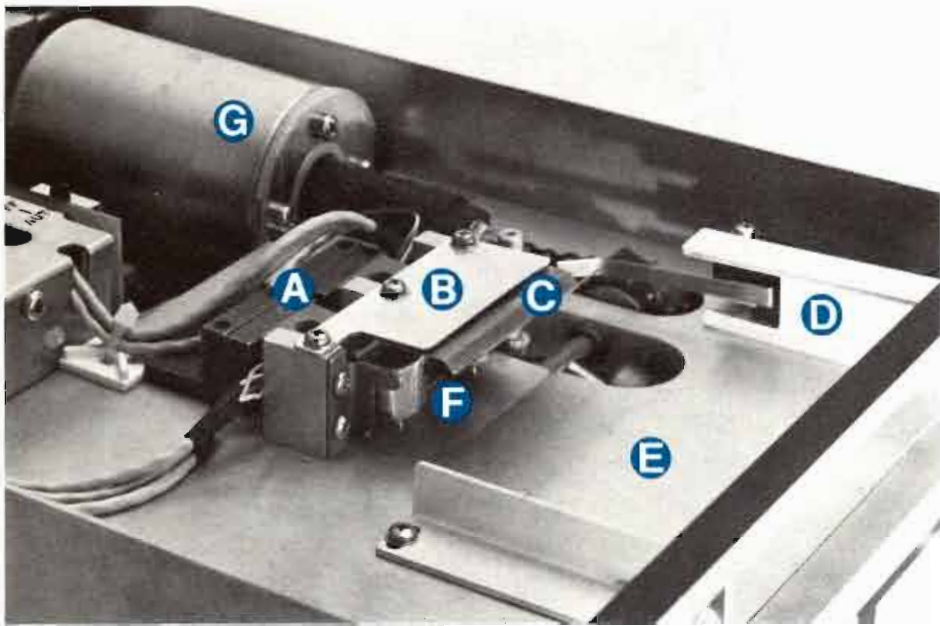
The head assembly features high quality Nortronic heads and the exclusive Spotmaster Phase Lok III head bracket. This head bracket has an azimuth adjustment which is independent of height and zenith, and provides the most precise head positioning possible. For correct stereo tracking a dummy head is included in each stereo playback model. Head shielding, to prevent ac pickup, is extensive. The underside of the deck is covered with a steel plate. Above the head is a mu-metal shield, which has an extremely high rejection of magnetic flux. Additional shielding is provided by a steel plate located directly under the head recessed into the deck.

TAPE TRANSPORT

The tape transport features a powerful, direct-drive hysteresis synchronous motor, a large air damped solenoid with a teflon coated plunger, and a one-half inch thick precision machined aluminum deck.

A key feature of the Spotmaster design is the solenoid control circuit. This is a low-voltage, current regulated source which is applied through a solid-state switch. With this circuit, solenoid operation is not

The *Spotmaster*[®] Tape Transport



Highlights of the Series 3000 Tape Transport include **A** Phase Lok III Head Bracket; **B** mu-metal electromagnetic shield; **C** highly tensile beryllium clamp for locking the cartridge in place; **D** tapered side guide which directs the cartridge down into the head; **E** a precision one-half inch thick aluminum deck; **F** under-the-head electromagnetic shielding provided by a steel plate which is recessed into the deck for optimum cartridge seating; and **G** a large air damped solenoid with exceptionally reliable chain linkage. Not visible in the picture is the steel plate on the underside of the deck which provides additional head shielding.

affected by ac line variations, heat dissipation is reduced; and the combination of low voltage and solid-state switching significantly enhances reliability. A further benefit is the elimination of a potential source of noise that is present with high level ac switching.

The overall reliability inherent in this design has been demonstrated in life cycle testing programs which have, on a number of occasions, cycled this machine through two million operations without failure.

The cartridge guidance system provides very precise positioning. The cartridge is directed down into the head by a tapered side guide and locked in place by a beryllium clamp which insures positive locking regardless of variations in cartridge thickness. The tensile strength of this clamp is exceptional and it will retain this strength throughout many years of use.

PLAYBACK CIRCUIT

The playback amplifier consists of wideband IC operational amplifiers, FET muting circuits, and output amplifiers with wide dynamic range. The amplifiers have an exceptionally wide adjustment range for com-

pensating for head wear; a feature which prolongs useful head life. The solid-state output amplifiers will deliver output levels up to +20 dBm before clipping thereby minimizing the potential for distortion with high level signals.

The optional cue tone detectors are active RC filters which provide very precise detection and also eliminate the possibility of ac pick-up which is inherent in bulky inductors.

RECORD CIRCUITRY

The record circuitry has balanced transformer inputs followed by high performance IC operational amplifiers. Whether operating with the high level line input or the optional low level mike input, these input circuits have extremely wide dynamic operating ranges which allow them to cleanly handle a greater range of signals than any competitive machine. This high level of signal handling ability, which is inherent throughout the design, contributes significantly to the high quality of reproduction which is characteristic of the 3000 Series.

Series 3000 Product Specifications

Tape Speed:

7.5 ips (19.05 cm/s)

Timing Accuracy (at 7.5 ips):

0.1%

Fast-Forward Tape Speed (optional):

22.5 ips (57 cm/s)

Tape Start/Stop Time:

0.1 second maximum

Wow and Flutter:

0.15% peak weighted

0.2% RMS unweighted

Noise (Reproducer):

Monophonic; 62 dB or better below reference of 400 Hz

at 3% THD; 54 dB below 160 n Wb/m at 1 kHz

Stereophonic; 60 dB or better below reference of 400 Hz

at 3% THD; 52 dB below 160 n Wb/m at 1 kHz

Distortion:

2% or less record to playback at 160 n Wb/m at 1 kHz

Equalization:

NAB, IEC, CCIR as specified

Frequency Response:

±2 dB from 50 Hz to 15 kHz exclusive of head contour effect

Crosstalk (magnetic head limited):

Cue channel to program channel, monophonic

150 Hz: -50 dB or better

1000 Hz: -55 dB or better

8000 Hz: -50 dB or better

Stereo, crosstalk between program channels; better than 50 dB, 50 Hz to 15 kHz

Input Impedance (Recorder):

Microphone (optional); 150 ohms (transformer) balanced floating

Line; 50 K ohms (transformer) balanced floating

Input Levels:

Microphone (optional); -70 to -24 dBm

Line; -24 to +20 dBm (50 mV to 7.7 V)

Audio Output:

Maximum adjustable level +8 dBm from 160 n Wb/m

at 1 kHz; 600 ohms (transformer) balanced

Peak Output Level:

+20 dBm before clipping

Bias Oscillator Frequency:

100 kHz

Cue Signals:

Relay contact closure for external control (150 Hz,

8 kHz). External cue input/output available at remote

control for other control functions

Ambient Operating Temperature:

0° to 55° C (32° to 132° F)

Power Requirements:

105 to 125 V/210 to 230 V; 50 or 60 Hz

Power Consumption:

45 to 50 W maximum

Mounting:

Desk top standard. Adaptors for rack mounting optional

External Connectors:

Mating plugs furnished

Dimensions:

3100: 5-1/4" H, 5-7/8" W, 15-1/2" D

3200: 5-1/4" H, 8-3/4" W, 15-1/2" D

3300: 5-1/4" H, 11-3/4" W, 15-1/2" D

(Add 3/8" to height for rubber feet)

Weight (uncrated):

3100: 23 lbs. (10.4 kilos)

3200: 28 lbs. (12.7 kilos)

3300: 32 lbs. (14.5 kilos)

Ordering Information

Model	Stock No.	Description
3100P	906-3100	Mono. Playback Only, A Size Cartridges
3100PS	906-3101	Stereo, Playback Only, A Size Cartridges
3200P	906-3200	Mono, Playback Only, A & B Size Cartridges
3200RP	906-3201	Mono, Record/Playback, A & B Size Cartridges
3200PS	906-3202	Stereo, Playback Only, A & B Size Cartridges
3200RPS	906-3203	Stereo, Record/Playback, A & B Size Cartridges
3200RP/DL	906-3204	Mono, Delay Programmer, A & B Size Cartridges
3200RPS/DL	906-3205	Stereo, Delay Programmer, A & B Size Cartridges
3300P	906-3300	Mono, Playback Only, A, B & C Size Cartridges
3300RP	906-3301	Mono, Record/Playback, A, B & C Size Cartridges
3300PS	906-3302	Stereo, Playback Only, A, B & C Size Cartridges
3300RPS	906-3303	Stereo, Record/Playback, A, B & C Size Cartridges

FACTORY INSTALLED OPTIONS

906-3000	Q Trip I & II (150 Hz and 8 kHz), Playback Only Models
906-3001	Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models
906-3002	Adjustment of Equalization to IEC/CCIR Specifications
906-3003	Microphone Input Option, Mono Record/Playback Models
906-3004	Microphone Input Option, Stereo Record/Playback Models
906-3005	Manual Fast Forward, All Models
906-3006	Automatic and Manual Fast Forward, Playback Only Models*
906-3007	Automatic and Manual Fast Forward, Record/Playback Models*
—	Alternate Tape Speed or Line Voltage/Frequency Standards (For 3-3/4 ips; 117V/50 Hz; or 220V, 230V, 240V 50 Hz)

*Includes Q Trip I & II (150 Hz and 8 kHz)

ACCESSORIES

906-3013	Rack Mount Shelf for EIA 19" Rack
503-0022	Rack Shelf Filler Panel, 1/3 Rack
503-0023	Rack Shelf Filler Panel, 1/2 Rack
919-1504	Extender P.C. Boards

BROADCAST ELECTRONICS, INC.

PRODUCERS OF *Spotmaster*® TAPE CARTRIDGE EQUIPMENT

8810 BROOKVILLE ROAD — SILVER SPRING, MARYLAND 20910

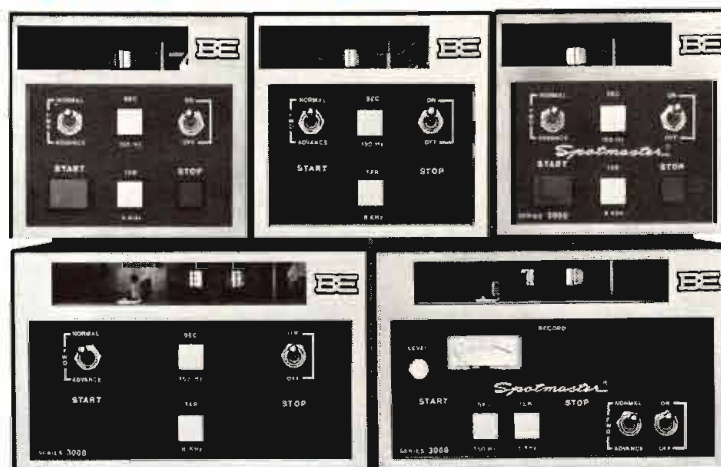
Telephone: (301) 587-1800 — TWX: 710-825-0432 — Cable: "SPOTMASTER"

PI 10K 177



A Filmways Company

Typical Configuration



The Spotmaster design puts a lot of capability into a minimum amount of space. The arrangement above, which occupies 10-1/2 inches of vertical rack space, provides playback capability for five A size cartridges and two B size cartridges. A record capability is provided in the Model 3200 with the meter. These units can be either stereo or mono.

Available Options

Secondary and Tertiary Cue Tones — Option includes front panel indicator switches, oscillators (record models) and detectors for 150 Hz and 8 kHz tones; front panel indicator lights when tone is present in playback; tones are applied for duration of time the switch is depressed; tones may also be applied externally, both input and output tone circuits are NAB equalized to facilitate integration into automation systems; contact closures are provided for external control.

Manual Fast Forward — Spring loaded front panel switch, when pressed advances the tape at 3x normal speed to next cue tone.

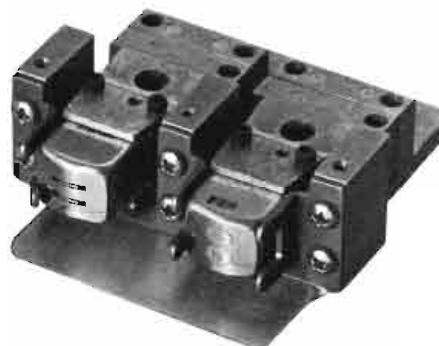
Automatic/Manual Fast Forward (includes secondary and tertiary cue tones): automatic or manual operation is selected by a slide switch accessible by tilting the top cover. In automatic operation machine detects end-of-message (150 Hz) cue tone and automatically advances at 3x normal speed to next cue tone (audio is muted during advance). Manual Operation, as described above, is included in this option.

Microphone Input — 150 ohm balanced transformer input, accepts input levels from -70 to -24 dBm.

Remote Control Unit — Four models available; offers duplication of essential front panel functions.

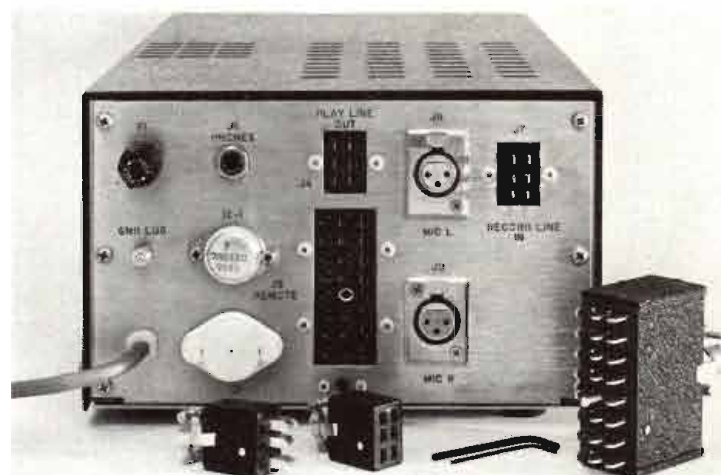
Other Options — 220V 50 Hz power; IEC, CCIR equalization, rack mounting; 3-3/4 ips tape speed.

Phase Lok III Head Bracket

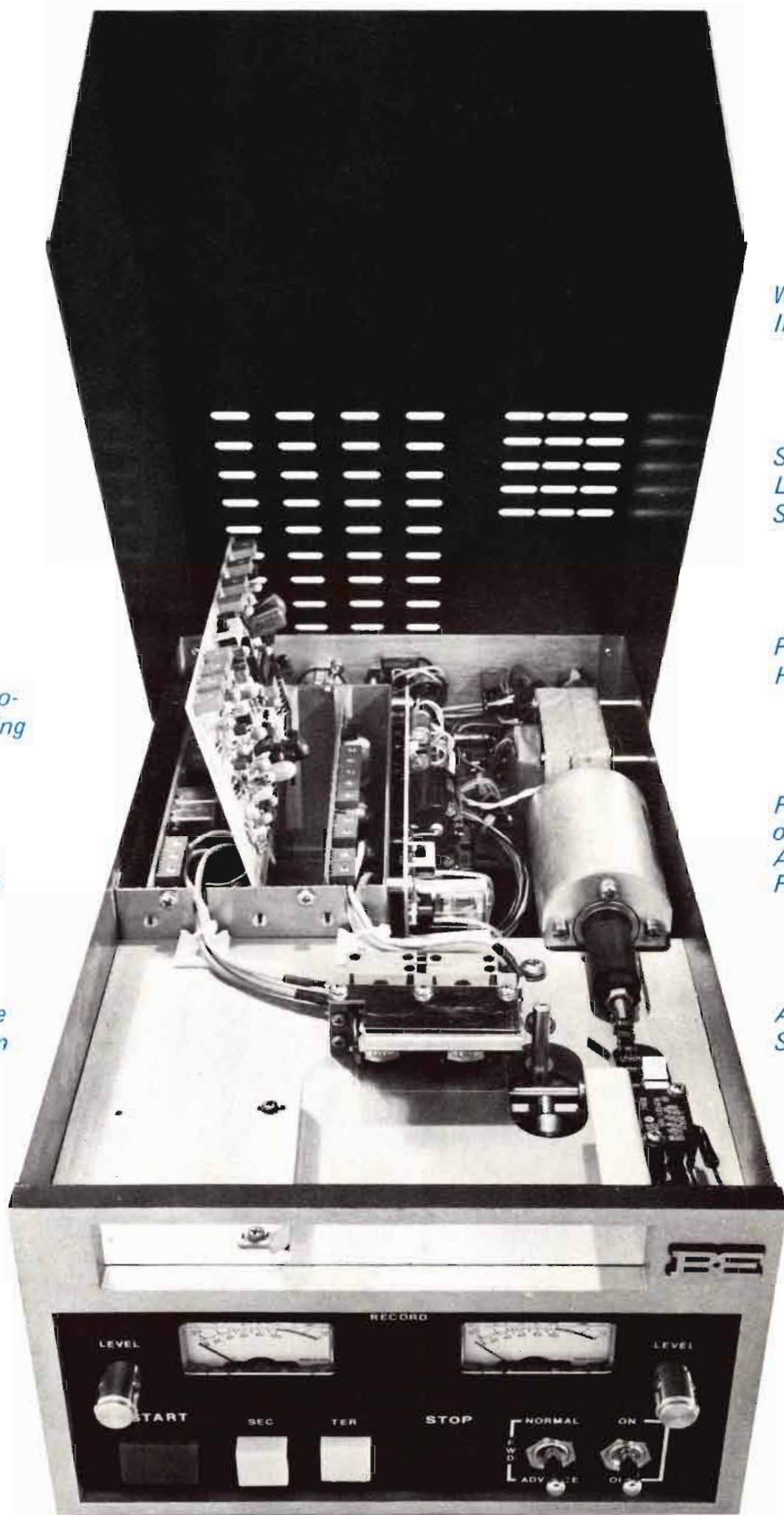


The only head bracket where height and zenith adjustments are not affected by azimuth adjustment. This assures extremely tight control of stereo phasing.

Rear Panel



This is the rear view of a Model 3200RPS (stereo, record/playback), equipped with the microphone input option. The mating connectors and allen wrenches for head adjustments are furnished with all units and the headphone monitor jack (J6) is standard with all units.



Tilt-Up Cover

Modular Design

Extensive Electro-Magnetic Shielding

High Quality Nortronic Heads

Unique Cartridge Guidance System

Wide Dynamic Input Range

Solid-State Low Voltage Solenoid Switching

Phase Lok III Head Bracket

Full Range of Options including Automatic/Manual Fast Forward

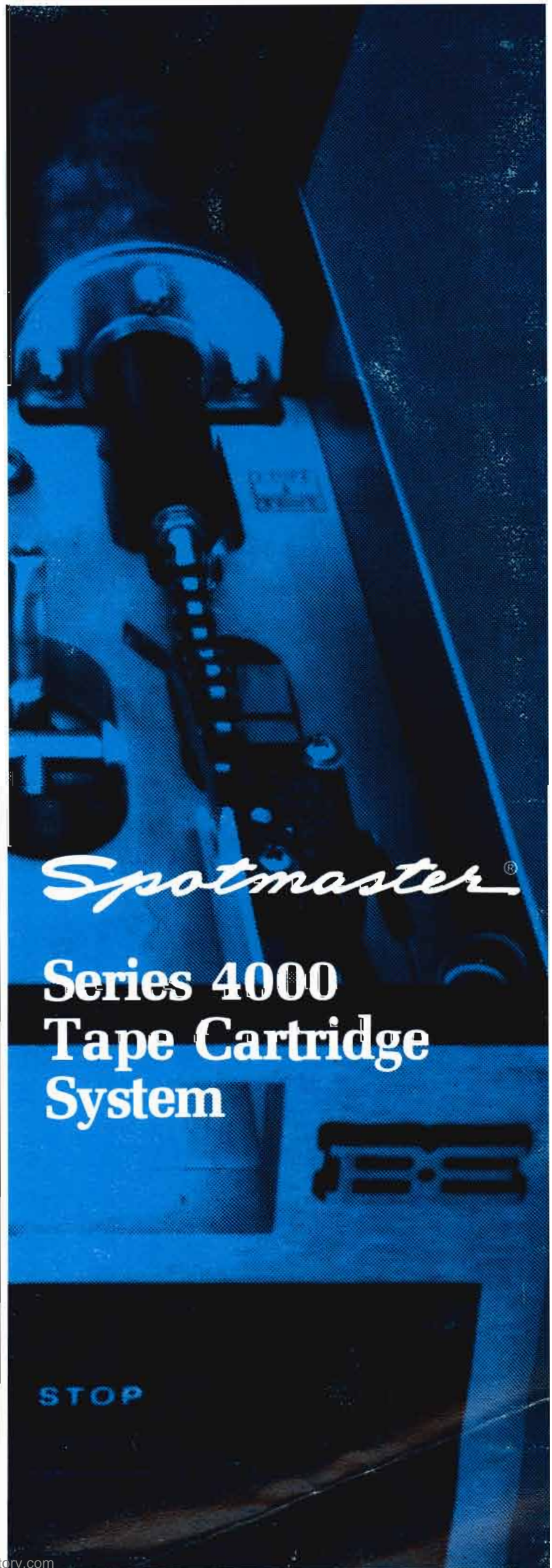
Automatic Meter Switching

The Spotmaster 3000 Series



BROADCAST ELECTRONICS, INC.

A FILMWAYS COMPANY



Spotmaster[®]

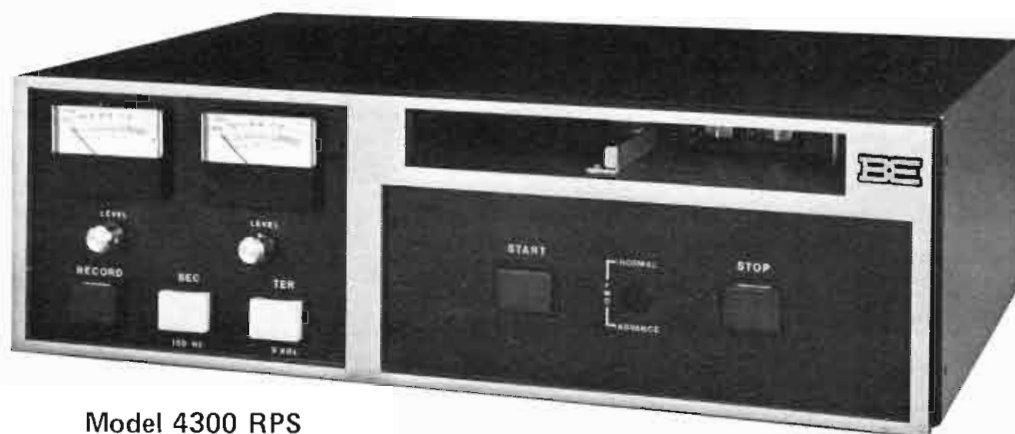
**Series 4000
Tape Cartridge
System**

STOP

Series 4000



Model 4200 P Playback



Model 4300 RPS
Stereo Record/Playback

The new Series 4000 family of cartridge machines employs up-to-date superior electrical design built into the familiar wide mechanical packaging. Inside the Series 4000 you will find modern innovative electronics, a direct-drive hysteresis synchronous motor, an air damped solenoid and a 1/2" thick machined deck. Unequaled standards of performance and reliability are assured by this advanced Spotmaster Series 4000.

Features

- Superior Head Assembly
- Solid-State Switching
- Low Voltage Solenoid
- Superb Electronics
- Higher Output Clipping Level
- Wider Record Input Range

Low Voltage Solid State Solenoid Switching

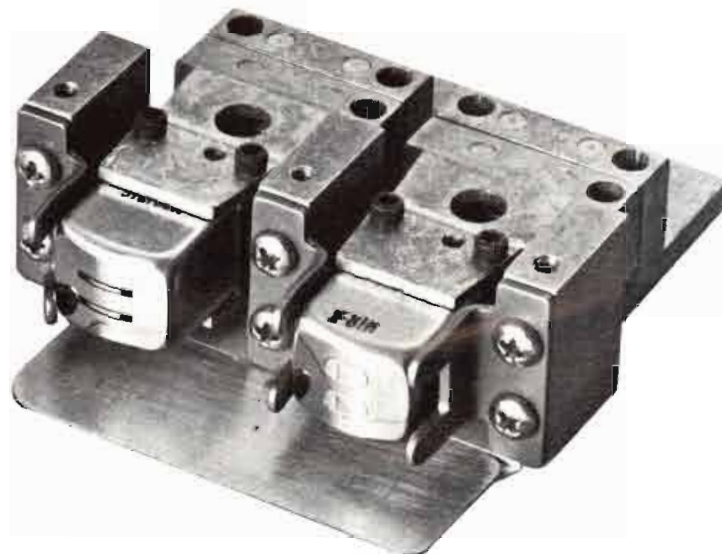
To improve reliability, we have developed a unique solenoid control circuit which utilizes solid-state switching and a low-voltage, regulated current source. With this circuit, solenoid operation is smooth and unaffected by ac line variations, heat dissipation is reduced, and the combination of low voltage and solid-state switching significantly enhances reliability.

A Quiet Machine

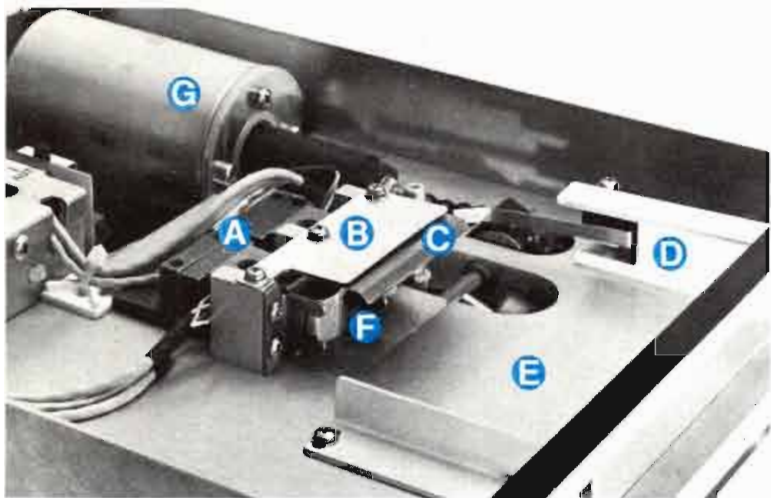
If you examine the noise and crosstalk specifications of these machines you will find some of the best in the industry. This is no accident. It has been achieved through very careful, professional circuit design and an extensive amount of internal shielding. The head is protected by a mu-metal shield above, a steel plate below, and the underside of the deck is covered with a large steel plate. The circuit cards are completely surrounded and shielded by a steel cage. All medium or high level switching and control is done outside the shielded area for maximum transient noise suppression.

Phase Lok III Head Bracket

For optimum adjustment of stereo phasing, these machines have the Phase Lok III Head Bracket. Phase Lok III is the only head bracket to have an azimuth adjustment which is completely independent of the height and zenith adjustments. Adjustment is achieved through a very unique head mounting configuration which lets the head swivel without any change in height, head penetration, or zenith. It is simply the best available.



The *Spotmaster*[®] Tape Transport



Highlights of the Series 4000 Tape Transport include **A** Phase Lok III Head Bracket; **B** mu-metal electromagnetic shield; **C** highly tensile beryllium clamp for locking the cartridge in place; **D** tapered side guide which directs the cartridge down into the head; **E** a precision one-half inch thick aluminum deck; **F** under-the-head electromagnetic shielding provided by a steel plate which is recessed into the deck for optimum cartridge seating; and **G** a large air damped solenoid with exceptionally reliable chain linkage. Not visible in the picture is the steel plate on the underside of the deck which provides additional head shielding.

Positive Cartridge Positioning

The cartridge is directed down into the head by a tapered side guide and locked in place by a beryllium clamp which insures positive locking regardless of variations in cartridge thickness. The tensile strength of this clamp is exceptional and it will retain this strength through many years of use.

Advanced Circuit Design

Series 4000 features an up-to-date integrated circuit/solid-state design. Characteristic of this design is exceptionally wide dynamic operating ranges which contribute to high quality reproduction. The input and output circuits will accept and deliver, without introducing distortion, a greater range of signals than any competitive machine. Balanced transformer output with FET switching permits paralleling of machines.

Record/Playback

Designated as the Model 4300RP, the Record/Playback unit combines the reliability of the playback assembly with advanced monaural or stereo recording electronics. The record circuitry has balanced transformer inputs followed by high performance IC operational amplifiers. Whether operating with the high level line input or the optional low level mike input, these input circuits have extremely wide dynamic operating ranges which allow them to cleanly handle a greater range of signals than any competitive machine.

Available Models

Series 4000 machines are available in six models and two size configurations: the Model 4200 in mono or stereo playback for A and B cartridges; and the Model 4300 in mono or stereo playback only or record/playback for A, B and C cartridges. The Model 4200 occupies 1/2 rack width and the 4300 is full rack width.

Automatic/Manual Fast Forward

The available options include manual fast forward, automatic/manual fast-forward, secondary and tertiary cue tones, microphone input, remote control panels and rack mounting.



Model 4300 RPS Internal View

Specifications

Tape Speed:

7.5 ips (19.05 cm/s)

Timing Accuracy (at 7.5 ips):

0.1%

Fast-Forward Tape Speed (optional):

22.5 ips (57 cm/s)

Tape Start/Stop Time:

0.1 second maximum

Wow and Flutter:

0.15% peak weighted
0.2% RMS unweighted

Noise (Reproducer):

Monophonic; 62 dB or better below reference of 400 Hz at 3% THD; 54 dB below 160 n Wb/m at 1 kHz Stereophonic; 60 dB or better below reference of 400 Hz at 3% THD; 52 dB below 160 n Wb/m at 1 kHz

Distortion:

2% or less record to playback at 160 n Wb/m at 1 kHz

Equalization:

NAB, IEC, CCIR as specified

Frequency Response:

±2 dB from 50 Hz to 15 kHz exclusive of head contour effect

Crosstalk (magnetic head limited):

Cue channel to program channel, monophonic

150 Hz: -50 dB or better

1000 Hz: -55 dB or better

8000 Hz: -50 dB or better

Stereo, crosstalk between program channels; better than 50 dB, 50 Hz to 15 kHz

Input Impedance (Recorder):

Microphone (optional); 150 ohms (transformer) balanced floating

Line; 50 k ohms (transformer) balanced floating

Input Levels:

Microphone (optional); -70 to -24 dBm

Line; -24 to +20 dBm (50 mV to 7.7 V)

Audio Output:

Maximum adjustable level +8 dBm from 160 n Wb/m at 1 kHz; 600 ohms (transformer) balanced

Peak Output Level:

+20 dBm before clipping

Bias Oscillator Frequency:

100 kHz

Cue Signals:

Relay contact closure for external control

(150 Hz, 8 kHz). External cue input/output available at remote control for other control functions

Ambient Operating Temperature:

0° to 55° C (32° to 132° F)

Power Requirements:

105 to 125 V/210 to 230 V; 50 or 60 Hz

Power Consumption:

45 to 50W maximum

Mounting:

Desk top standard. Adaptors for rack mounting optional

External Connectors:

Mating plugs furnished

Dimensions:

4200: 5-1/4" H x 8-1/2" W x 12-1/8" D

4300: 5-1/4" H x 17" W x 12-1/8" D

(Add 3/8" to height for rubber feet)

Weight:

4200: 25 pounds

4300: 40 pounds

Remote Control:

Duplication of essential front panel controls and indicators

Ordering Information

Model	Stock No.	Description
4200P	906-4200	Mono, Playback Only A & B Size Cartridges
4200PS	906-4202	Stereo, Playback Only A & B Size Cartridges
4300P	906-4300	Mono, Playback Only A, B & C Size Cartridges
4300RP	906-4301	Mono, Record/Playback A, B & C Size Cartridges
4300PS	906-4302	Stereo, Playback Only A, B & C Size Cartridges
4300RPS	906-4303	Stereo, Record/Playback A, B & C Size Cartridges

Accessories

Stock No.	Description
906-4013	Rack Mount Shelf for EIA 19" Rack, for mounting two 4200 Series
906-3015	Rack Shelf Filler Panel, 1/2 Rack
906-4014	Mounting Ears for Rack Mounting 4300 Series

Factory Installed Options

Stock No.	Description
906-4000	Q Trip I & II (150 Hz and 8 kHz), Playback Only Models
906-4001	Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models
906-4002	Adjustment of Equalization to IEC/CCIR Specifications
906-4003	Microphone Input Option, Mono Record/Playback Models
906-4004	Microphone Input Option, Stereo Record/Playback Models
906-4005	Manual Fast Forward, All Models
906-4006	Automatic and Manual Fast Forward, Playback Only Models*
906-4007	Automatic Manual Fast Forward, Record/Playback Module*
—	Alternate Tape Speed or Line Voltage/Frequency Standards (For 3-3/4 ips; 117V/50 Hz; or 220V, 230V, 240V 50 Hz)

*Includes Q Trip I & II (150 Hz and 8 kHz)

BROADCAST ELECTRONICS, INC.

PRODUCERS OF *Spotmaster*® TAPE CARTRIDGE EQUIPMENT

8810 BROOKVILLE ROAD — SILVER SPRING, MARYLAND 20910

Telephone: (301) 587-1800 — TWX: 710-825-0432 — Cable: "SPOTMASTER"



A Filmways Company



BROADCAST ELECTRONICS, INC.
A FILMWAYS COMPANY



Spotmaster[®]

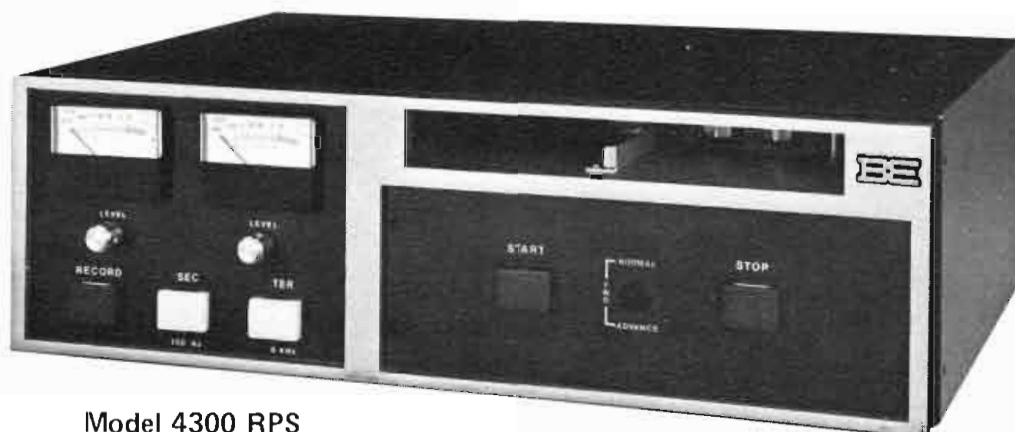
**Series 4000
Tape Cartridge
System**

STOP

Series 4000



Model 4200 P Playback



Model 4300 RPS
Stereo Record/Playback

The new Series 4000 family of cartridge machines employs up-to-date superior electrical design built into the familiar wide mechanical packaging. Inside the Series 4000 you will find modern innovative electronics, a direct-drive hysteresis synchronous motor, an air damped solenoid and a 1/2" thick machined deck. Unequaled standards of performance and reliability are assured by this advanced Spotmaster Series 4000.

Features

- Superior Head Assembly
- Solid-State Switching
- Low Voltage Solenoid
- Superb Electronics
- Higher Output Clipping Level
- Wider Record Input Range

Low Voltage Solid State Solenoid Switching

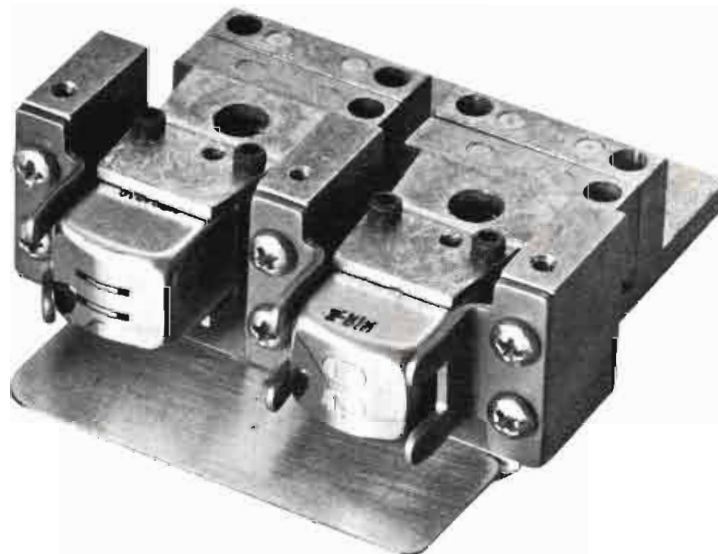
To improve reliability, we have developed a unique solenoid control circuit which utilizes solid-state switching and a low-voltage, regulated current source. With this circuit, solenoid operation is smooth and unaffected by ac line variations, heat dissipation is reduced, and the combination of low voltage and solid-state switching significantly enhances reliability.

A Quiet Machine

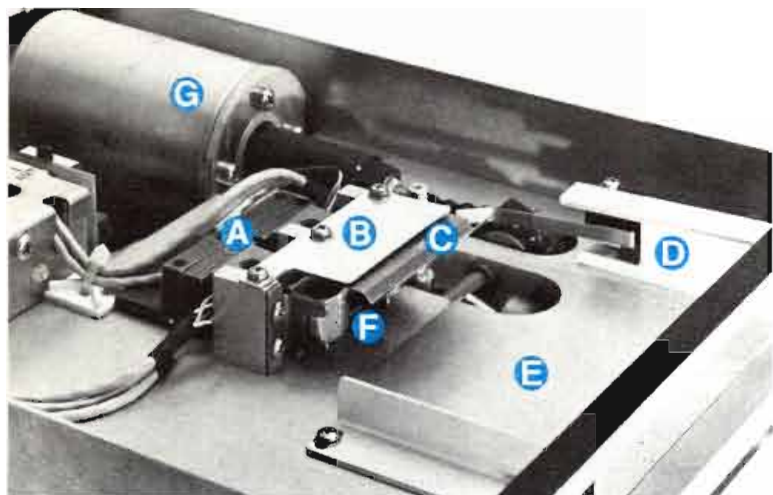
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Phase Lok III Head Bracket

For optimum adjustment of stereo phasing, these machines have the Phase Lok III Head Bracket. Phase Lok III is the only head bracket to have an azimuth adjustment which is completely independent of the height and zenith adjustments. Adjustment is achieved through a very unique head mounting configuration which lets the head swivel without any change in height, head penetration, or zenith. It is simply the best available.



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The cartridge is directed down into the head by a tapered side guide and locked in place by a beryllium clamp which insures positive locking regardless of variations in cartridge thickness. The tensile strength of this clamp is exceptional and it will retain this strength through many years of use.

Advanced Circuit Design

Series 4000 features an up-to-date integrated circuit/solid-state design. Characteristic of this design is exceptionally wide dynamic operating ranges which contribute to high quality reproduction. The input and output circuits will accept and deliver, without introducing distortion, a greater range of signals than any competitive machine. Balanced transformer output with FET switching permits paralleling of machines.

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Designated as the Model 4300RP, the Record/Playback unit combines the reliability of the playback assembly with advanced monaural or stereo recording electronics. The record circuitry has balanced transformer inputs followed by high performance IC operational amplifiers. Whether operating with the high level line input or the optional low level mike input, these input circuits have extremely wide dynamic operating ranges which allow them to cleanly handle a greater range of signals than any competitive machine.

Available Models

Series 4000 machines are available in six models and two size configurations: the Model 4200 in mono or stereo playback for A and B cartridges; and the Model 4300 in mono or stereo playback only or record/playback for A, B and C cartridges. The Model 4200 occupies 1/2 rack width and the 4300 is full rack width.

Automatic/Manual Fast Forward

The available options include manual fast forward, automatic/manual fast-forward, secondary and tertiary cue tones, microphone input, remote control panels and rack mounting.



Model 4300 RPS Internal View

Specifications

Tape Speed:

7.5 ips (19.05 cm/s)

Timing Accuracy (at 7.5 ips):

0.1%

Fast-Forward Tape Speed (optional):

22.5 ips (57 cm/s)

Tape Start/Stop Time:

0.1 second maximum

Wow and Flutter:

0.15% peak weighted
0.2% RMS unweighted

Noise (Reproducer):

Monophonic; 62 dB or better below reference of 400 Hz at 3% THD; 54 dB below 160 n Wb/m at 1 kHz Stereophonic; 60 dB or better below reference of 400 Hz at 3% THD; 52 dB below 160 n Wb/m at 1 kHz

Distortion:

2% or less record to playback at 160 n Wb/m at 1 kHz

Equalization:

NAB, IEC, CCIR as specified

Frequency Response:

±2 dB from 50 Hz to 15 kHz exclusive of head contour effect

Crosstalk (magnetic head limited):

Cue channel to program channel, monophonic

150 Hz: -50 dB or better

1000 Hz: -55 dB or better

8000 Hz: -50 dB or better

Stereo, crosstalk between program channels; better than 50 dB, 50 Hz to 15 kHz

Input Impedance (Recorder):

Microphone (optional); 150 ohms (transformer) balanced floating

Line; 50 k ohms (transformer) balanced floating

Input Levels:

Microphone (optional); -70 to -24 dBm

Line; -24 to +20 dBm (50 mV to 7.7 V)

Audio Output:

Maximum adjustable level +8 dBm from 160 n Wb/m at 1 kHz; 600 ohms (transformer) balanced

Peak Output Level:

+20 dBm before clipping

Bias Oscillator Frequency:

100 kHz

Cue Signals:

Relay contact closure for external control

(150 Hz, 8 kHz). External cue input/output available at remote control for other control functions

Ambient Operating Temperature:

0° to 55° C (32° to 132° F)

Power Requirements:

105 to 125 V/210 to 230 V; 50 or 60 Hz

Power Consumption:

45 to 50W maximum

Mounting:

Desk top standard. Adaptors for rack mounting optional

External Connectors:

Mating plugs furnished

Dimensions:

4200: 5-1/4" H x 8-1/2" W x 12-1/8" D

4300: 5-1/4" H x 17" W x 12-1/8" D

(Add 3/8" to height for rubber feet)

Weight:

4200: 25 pounds

4300: 40 pounds

Remote Control:

Duplication of essential front panel controls and indicators

Ordering Information

Model	Stock No.	Description
4200P	906-4200	Mono, Playback Only A & B Size Cartridges
4200PS	906-4202	Stereo, Playback Only A & B Size Cartridges
4300P	906-4300	Mono, Playback Only A, B & C Size Cartridges
4300RP	906-4301	Mono, Record/Playback A, B & C Size Cartridges
4300PS	906-4302	Stereo, Playback Only A, B & C Size Cartridges
4300RPS	906-4303	Stereo, Record/Playback A, B & C Size Cartridges

Accessories

Stock No.	Description
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906-3015	Rack Shelf Filler Panel, 1/2 Rack
906-4014	Mounting Ears for Rack Mounting 4300 Series

Factory Installed Options

Stock No.	Description
906-4000	Q Trip I & II (150 Hz and 8 kHz), Playback Only Models
906-4001	Q Trip I & II (150 Hz and 8 kHz), Record/Playback Models
906-4002	Adjustment of Equalization to IEC/CCIR Specifications
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906-4004	Microphone Input Option, Stereo Record/Playback Models
906-4005	Manual Fast Forward, All Models
906-4006	Automatic and Manual Fast Forward, Playback Only Models*
906-4007	Automatic Manual Fast Forward, Record/Playback Module*
—	Alternate Tape Speed or Line Voltage/Frequency Standards (For 3-3/4 ips; 117V/50 Hz; or 220V, 230V, 240V 50 Hz)

* Includes Q Trip I & II (150 Hz and 8 kHz)

BROADCAST ELECTRONICS, INC.

PRODUCERS OF *Spotmaster*® TAPE CARTRIDGE EQUIPMENT

8810 BROOKVILLE ROAD — SILVER SPRING, MARYLAND 20910

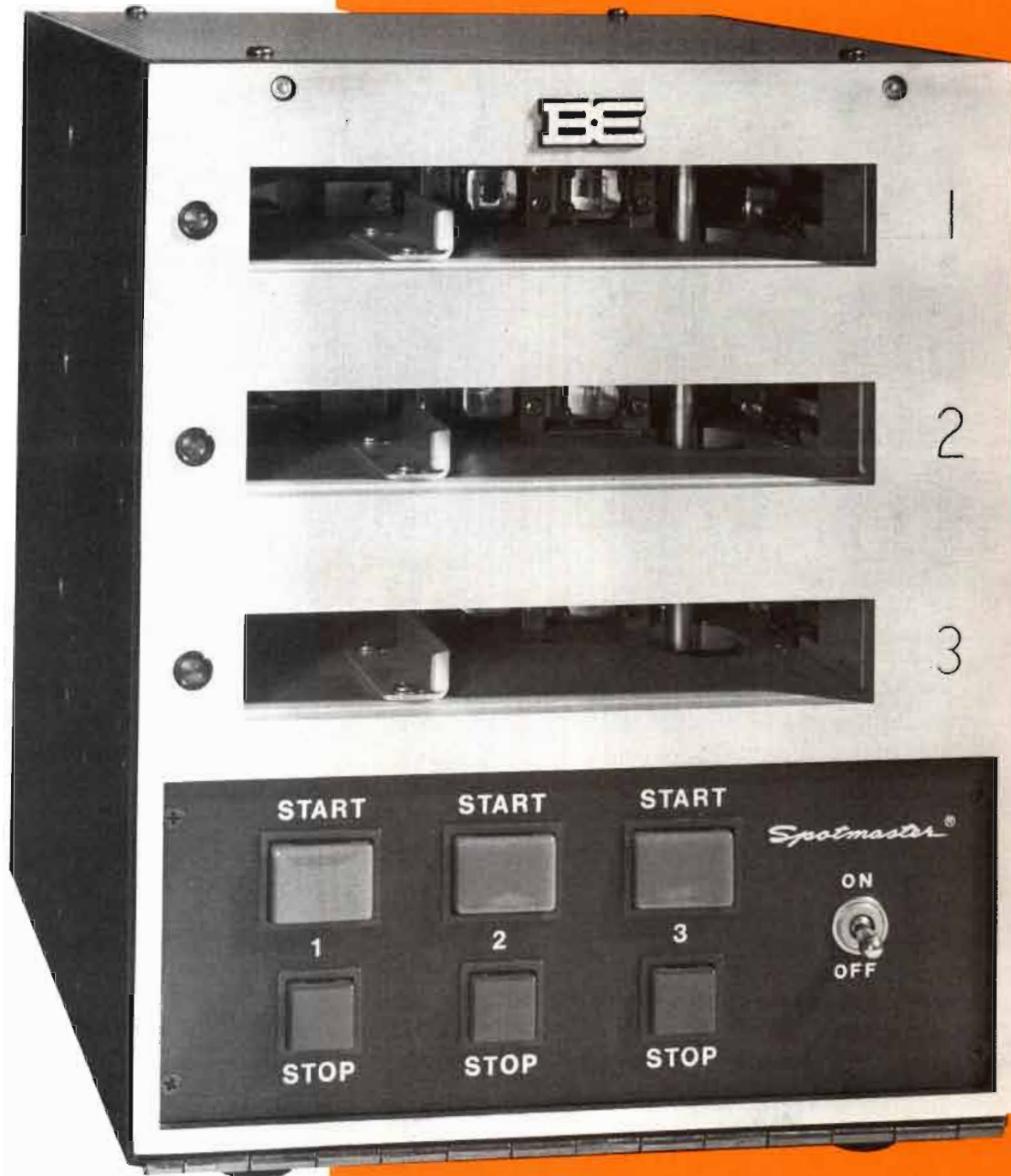
Telephone: (301) 587-1800 — TWX: 710-825-0432 — Cable: "SPOTMASTER"



A Filmways Company

5300A

Plug-In Multi-Deck



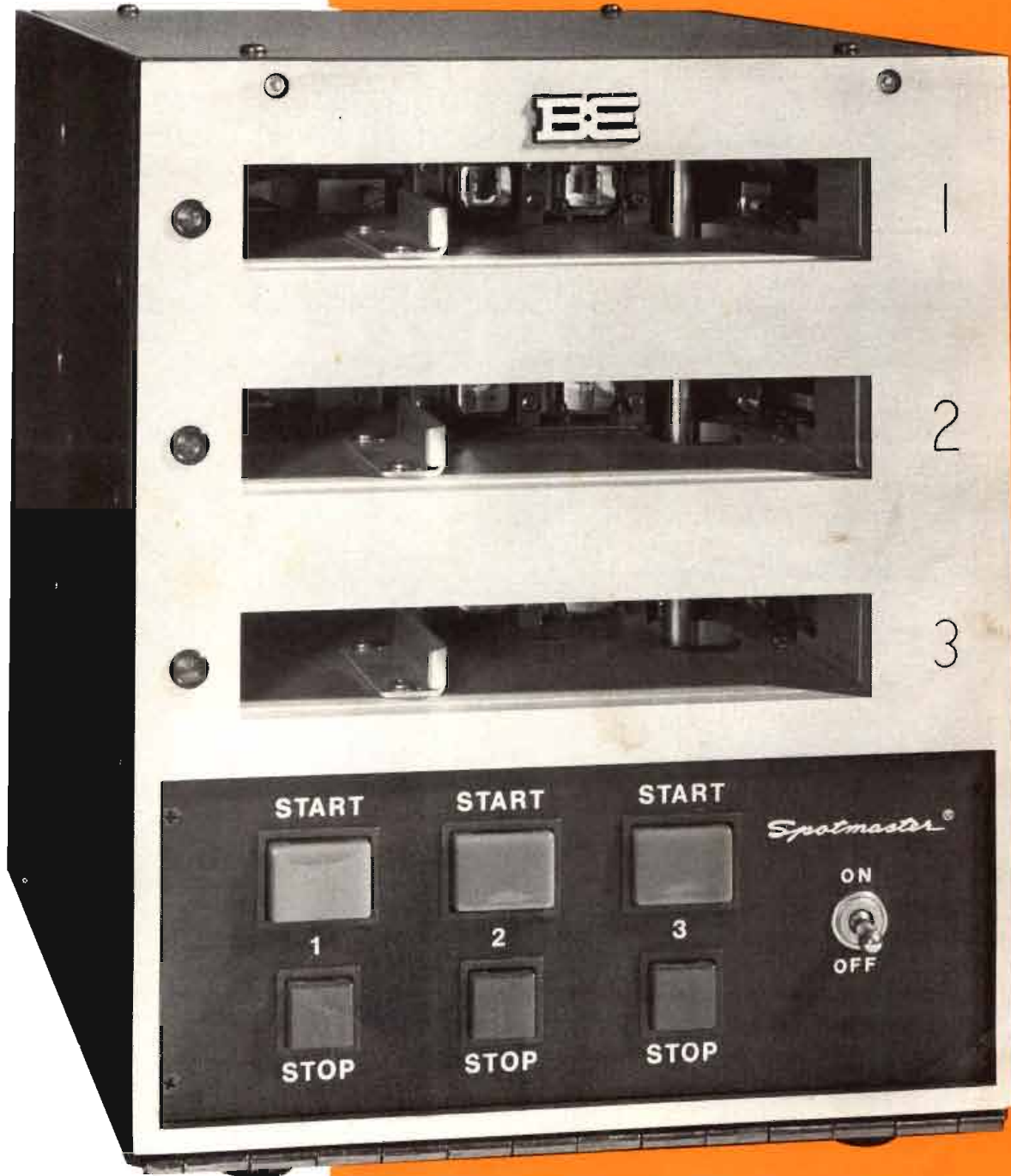
A FILMWAYS COMPANY

Broadcast Electronics, Inc.

Spotmaster

53000A

**Plug-In
Multi-Deck**



A FILMWAYS COMPANY

Broadcast Electronics, Inc.

The 5300A Plug-In Multi-Deck with Companion Recorder Amplifier



THE MODEL 5300A is the most advanced multi-deck cartridge machine on the market. It is a top-of-the-line professional machine which features: solid-state/integrated circuit design, a direct-drive hysteresis synchronous motor, air damped solenoid, and a one-half inch thick machined aluminum deck.

Features unique to this multi-deck design are plug-in decks, computer ribbon cabling, rear panel LED service aids, and run lights adjacent to each deck.

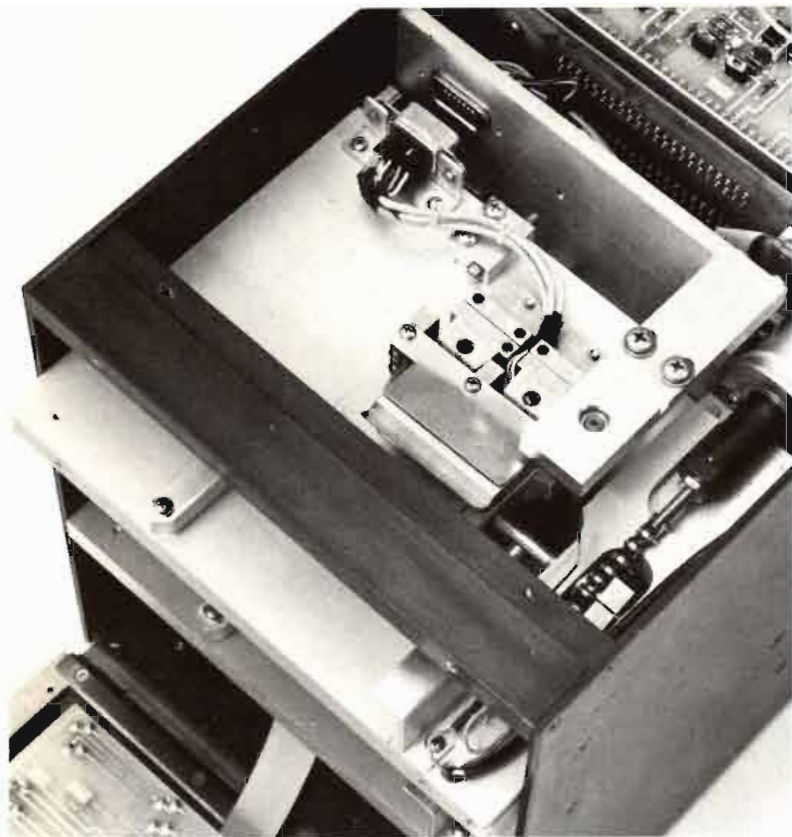
NEW MECHANICAL DESIGN — The Model 5300A has a new internal mechanical design which insures stable and accurate deck and capstan positioning. The motor mounting and the top capstan bearing mounting are mechanically supported by a sturdy aluminum bulkhead insuring consistent mechanical alignment independent of front panel reference.

ADVANCED ELECTRONICS — This machine has all the latest Spotmaster features: ultra-reliable, low-voltage solenoid switching, wide dynamic operating ranges, Phase Lok III head bracket, accurate cartridge positioning and modular design.

The solenoid control circuit utilizes solid-state switching and a low-voltage regulated current source. With this circuit, solenoid operation is smooth and unaffected by ac line variations, heat dissipation is reduced, and the combination of low voltage and solid-state switching significantly enhances reliability.

A characteristic of this machine is exceptionally wide dynamic operating ranges which contribute to high quality reproduction. The companion recorder input circuits and the 5300A output circuits will accept and deliver, without introducing distortion, a greater range of signals than any competitive machine. Balanced transformer output with FET switching permits paralleling of machines.

RECORDING UNIT — The optional recording amplifier (mono Model 5309 or stereo Model 5310) is available for recording on deck # 3 independent of the other two decks. Thus, the 5300 can operate as three separate machines; a record/playback deck and two playback only decks. Another optional unit is an audio switcher which automatically provides a balanced output from the last started deck while muting the other decks.

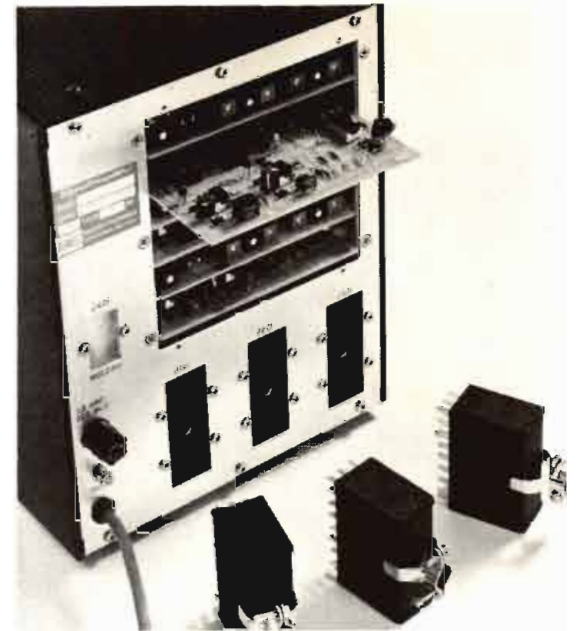


Removable Decks

Removing a Spot-master deck couldn't be easier. The front panel is hinged, the decks pull out, and all electrical connections are made through a connector that is a part of the deck.

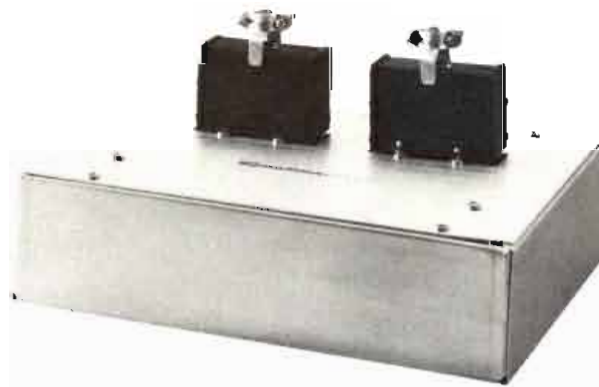
This photograph shows the top bearing support and aluminum bulkhead which provides the mechanical reference for the motor and the decks.

Plug-In PC Cards



Electronics for the decks are on individual plug-in pc cards. Also shown above are the mating connectors which are supplied with the machine. The record connector is in place (above the fuse holder) behind a protective shield.

Audio Switcher (Multiple Machines)



Provides a single balanced output. Switchers can be tied together to provide a single balanced output from up to three 5300A machines. Selects last deck started and mutes other decks. If a wrong deck is started, pressing another start button will immediately mute the first deck and put the newly started deck on the output. The first deck started will continue to run, and will re-cue itself.

LED Status Lamps



Servicing the equipment at the rear panel is simplified by LED lamps located on the pc cards. These provide a visible indication of the function being performed by the machine.

Unique Cartridge Guidance System

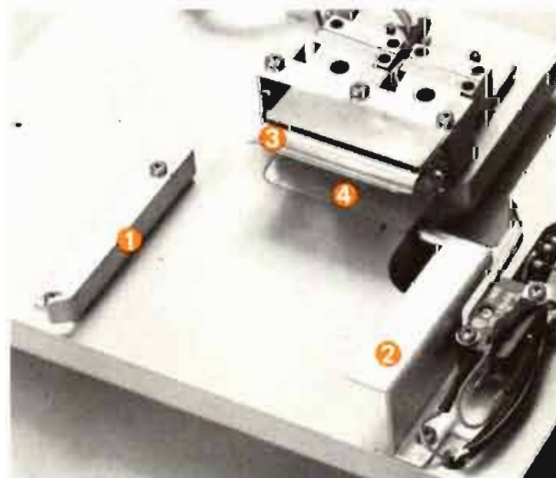
A simple yet extremely effective system for positive and accurate cartridge positioning.

The left side guide ① is straight forward. The guide on the right ② has a tapered overlap which directs the cartridge down into the head.

Directly above the head a highly tensile beryllium clamp ③ locks the cartridge into place. The tension provided by this clamp insures positive locking regardless of variations in cartridge machines.

Even the head shielding ④ located under the head is recessed

into the deck to provide a perfectly flat surface for optimum cartridge seating.



Phase Lok III Head Bracket



For optimum adjustment of stereo phasing, these machines have the Phase Lok III Head Bracket. Phase Lok III is the only head bracket to have an azimuth adjustment which is completely independent of the height and zenith adjustments.

Specifications

5300A

Tape Speed:

7.5 ips (19.05 cm/s).

Timing Accuracy (at 7.5 ips):

0.1%.

Tape Start/Stop Time:

0.1 second maximum.

Wow and Flutter:

0.15% peak weighted,
0.2% RMS unweighted.

Noise (Reproducer):

Monophonic: 62 dB or better below
reference of 400 Hz at 3% THD;
54 dB below 160 n Wb/m at 1 kHz.
Stereophonic: 60 dB or better below
reference of 400 Hz at 3% THD;
52 dB below 160 n WB/m at 1 kHz.

Distortion:

2% or less record to playback at 160 n
Wb/m at 1 kHz.

Equalization:

NAB, IEC, CCIR as specified.

Frequency Response:

±2 dB from 50 Hz to 15 kHz exclusive
of head contour effect.

Crosstalk (magnetic head limited):

50 dB or better.

Audio Output:

Maximum adjustable level +8 dBm from
160 n Wb/m at 1 kHz; 600 ohms (trans-
former) balanced.

Peak Output Level:

+20 dBm before clipping.

Cartridge Size:

A and B.

Cue Signals:

Relay contact closure for external control
(150 Hz, 8 kHz). External cue input/out-
put available at remote control for other
control functions.

Ambient Operating Temperature:

0° to 55°C (32° to 132°F).

Power Requirements:

105 to 125V or 210 to 230V, 60 Hz.
105 to 125V or 210 to 130V, 50 Hz (optional).
120 watts maximum.

Mounting:

Desk top standard. Adaptors for rack mount-
ing optional.

Dimensions:

10-5/8" H x 8-5/8" W x 13-3/8" D
(27 x 22 x 34 cm).

Weight:

42 lbs. (packed). 19 Kgs.

RECORDER AMPLIFIER

Input Impedance:

Microphone; 150 ohms (transformer)
balanced floating
Line; 50 K ohms (transformer) balanced floating

Input Levels:

Microphone; -70 to -24 dBm
Line; -24 to +20 dBm (50 mV to 7.7 V)

Power Requirements:

105 to 125 V/210 to 230 V; 50 or 60 Hz

Dimensions:

5¼" H x 8-5/8" W x 13½" D
(13.3 x 22 x 34 cm)

Weight (uncrated):

16 lbs. (7.25 kgs.)

Additional Features

The 5300A is available in four basic models as shown under Ordering Information. The secondary and tertiary cue tones are made available by changing a PC card. Thus, a unit originally purchased with only the primary (1 kHz) cue tone can be field modified by simply replacing the PC card.

The recorder amplifier is available in either mono or stereo. Each unit has the standard 1 kHz cue tone. Secondary (8 kHz) and tertiary (150 Hz) tones are available for the recorder as an option.

The standard recorder has two input circuits: a high level 50K ohm balanced transformer and a low level microphone input. The recorder amplifier has an automatic meter switching capability. During recording the meter indicates the record level and in playback the meter indicates the playback level on deck number 3.

Ordering Information

Model	Stock No.	Description
5301A	906-5301A	Mono Playback
5302A	906-5302A	Mono Playback with Cue Tones
5303A	906-5303A	Stereo Playback
5304A	906-5304A	Stereo Playback with Cue Tones

Options and Accessories

Model	Stock No.	Description
5309	906-5309	Mono Recorder
5310	906-5310	Stereo Recorder
SW5E	904-5000	Audio Switcher
	906-5305	Mixer for Single Balanced Output, Mono
	906-5505	Mixer for Single Balanced Output, Stereo
	906-5311	Secondary (150 Hz) and Tertiary (8 kHz) Cue Tones for Mono or Stereo Recorder
	906-5306	Rack Mount Bracket for 1 Unit
	906-5307	Rack Mount Bracket for 2 Units
	906-5508	220V/50 Hz Power Conversion
	919-1806	Extender PC Board
	906-3016	Remote Control Panel

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Features unique to this multi-deck design are plug-in decks, computer ribbon cabling, rear panel LED service aids, and run lights adjacent to each deck.

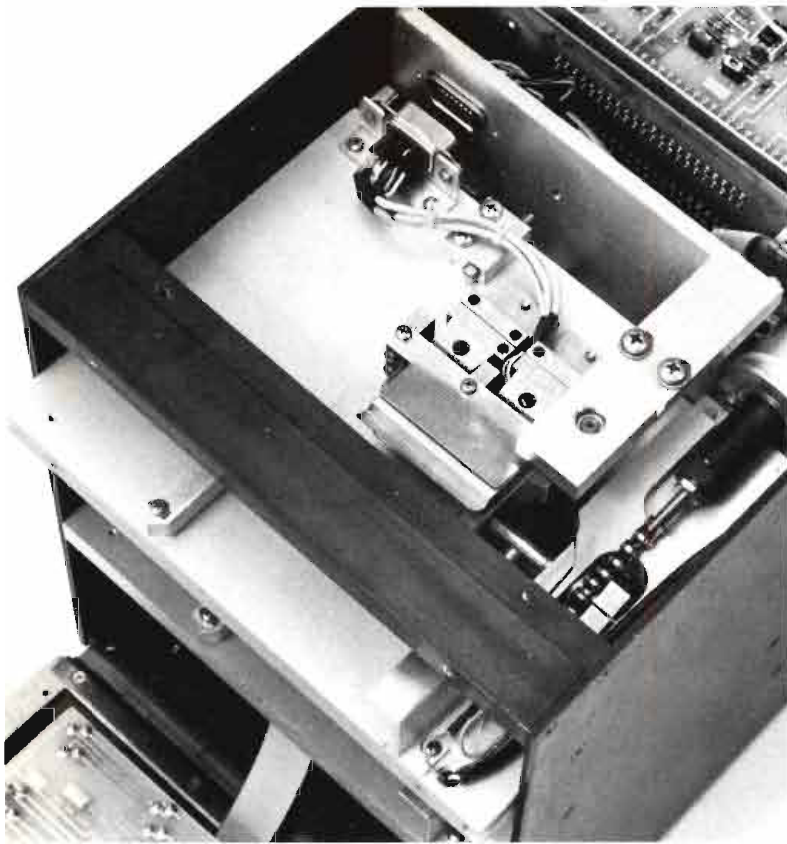
NEW MECHANICAL DESIGN — The Model 5300A has a new internal mechanical design which insures stable and accurate deck and capstan positioning. The motor mounting and the top capstan bearing mounting are mechanically supported by a sturdy aluminum bulkhead insuring consistent mechanical alignment independent of front panel reference.

ADVANCED ELECTRONICS — This machine has all the latest Spotmaster features: ultra-reliable, low-voltage solenoid switching, wide dynamic operating ranges, Phase Lok III head bracket, accurate cartridge positioning and modular design.

The solenoid control circuit utilizes solid-state switching and a low-voltage regulated current source. With this circuit, solenoid operation is smooth and unaffected by ac line variations, heat dissipation is reduced, and the combination of low voltage and solid-state switching significantly enhances reliability.

A characteristic of this machine is exceptionally wide dynamic operating ranges which contribute to high quality reproduction. The companion recorder input circuits and the 5300A output circuits will accept and deliver, without introducing distortion, a greater range of signals than any competitive machine. Balanced transformer output with FET switching permits parallelling of machines.

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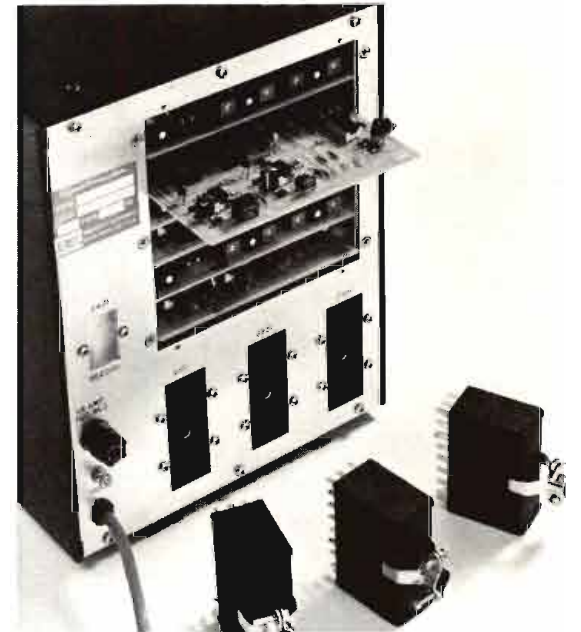


Removable Decks

Removing a Spot-master deck couldn't be easier. The front panel is hinged, the decks pull out, and all electrical connections are made through a connector that is a part of the deck.

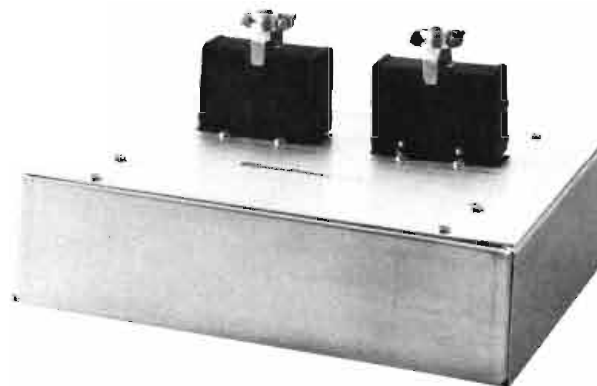
This photograph shows the top bearing support and aluminum bulkhead which provides the mechanical reference for the motor and the decks.

Plug-In PC Cards



Electronics for the decks are on individual plug-in pc cards. Also shown above are the mating connectors which are supplied with the machine. The record connector is in place (above the fuse holder) behind a protective shield.

Audio Switcher (Multiple Machines)



Provides a single balanced output. Switchers can be tied together to provide a single balanced output from up to three 5300A machines. Selects last deck started and mutes other decks. If a wrong deck is started, pressing another start button will immediately mute the first deck and put the newly started deck on the output. The first deck started will continue to run, and will re-cue itself.

LED Status Lamps



Servicing the equipment at the rear panel is simplified by LED lamps located on the pc cards. These provide a visible indication of the function being performed by the machine.

Unique Cartridge Guidance System

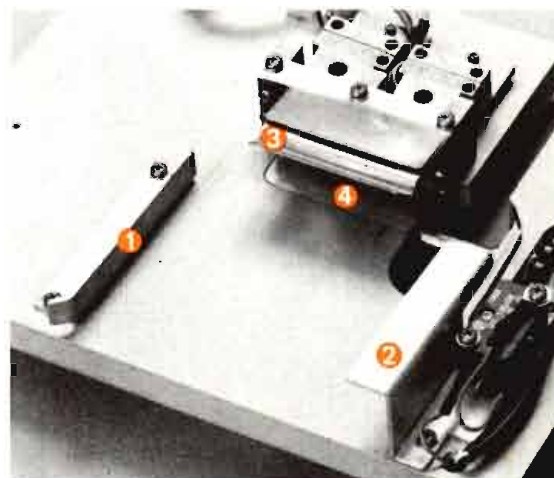
A simple yet extremely effective system for positive and accurate cartridge positioning.

The left side guide ① is straight forward. The guide on the right ② has a tapered overlap which directs the cartridge down into the head.

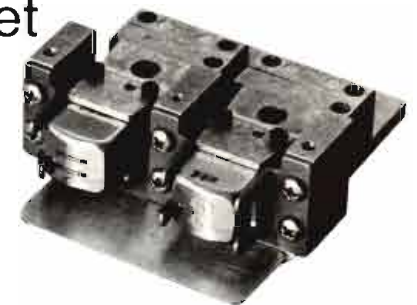
Directly above the head a highly tensile beryllium clamp ③ locks the cartridge into place. The tension provided by this clamp insures positive locking regardless of variations in cartridge machines.

Even the head shielding ④ located under the head is recessed

into the deck to provide a perfectly flat surface for optimum cartridge seating.



Phase Lok III Head Bracket



For optimum adjustment of stereo phasing, these machines have the Phase Lok III Head Bracket. Phase Lok III is the only head bracket to have an azimuth adjustment which is completely independent of the height and zenith adjustments.

Specifications

5300A

Tape Speed:

7.5 ips (19.05 cm/s).

Timing Accuracy (at 7.5 ips):

0.1%.

Tape Start/Stop Time:

0.1 second maximum.

Wow and Flutter:

0.15% peak weighted,
0.2% RMS unweighted.

Noise (Reproducer):

Monophonic: 62 dB or better below
reference of 400 Hz at 3% THD;
54 dB below 160 n Wb/m at 1 kHz.
Stereophonic: 60 dB or better below
reference of 400 Hz at 3% THD;
52 dB below 160 n WB/m at 1 kHz.

Distortion:

2% or less record to playback at 160 n
Wb/m at 1 kHz.

Equalization:

NAB, IEC, CCIR as specified.

Frequency Response:

±2 dB from 50 Hz to 15 kHz exclusive
of head contour effect.

Crosstalk (magnetic head limited):

50 dB or better.

Audio Output:

Maximum adjustable level +8 dBm from
160 n Wb/m at 1 kHz; 600 ohms (trans-
former) balanced.

Peak Output Level:

+20 dBm before clipping.

Cartridge Size:

A and B.

Cue Signals:

Relay contact closure for external control
(150 Hz, 8 kHz). External cue input/out-
put available at remote control for other
control functions.

Ambient Operating Temperature:

0° to 55°C (32° to 132°F).

Power Requirements:

105 to 125V or 210 to 230V, 60 Hz.
105 to 125V or 210 to 130V, 50 Hz (optional).
120 watts maximum.

Mounting:

Desk top standard. Adaptors for rack mount-
ing optional.

Dimensions:

10-5/8" H x 8-5/8" W x 13-3/8" D
(27 x 22 x 34 cm).

Weight:

42 lbs. (packed). 19 Kgs.

RECORDER AMPLIFIER

Input Impedance:

Microphone; 150 ohms (transformer)
balanced floating
Line; 50 K ohms (transformer) balanced floating

Input Levels:

Microphone; -70 to -24 dBm
Line; -24 to +20 dBm (50 mV to 7.7 V)

Power Requirements:

105 to 125 V/210 to 230 V; 50 or 60 Hz

Dimensions:

5¼" H x 8-5/8" W x 13½" D
(13.3 x 22 x 34 cm)

Weight (uncrated):

16 lbs. (7.25 kgs.)

Additional Features

The 5300A is available in four basic models as shown under Ordering Information. The secondary and tertiary cue tones are made available by changing a PC card. Thus, a unit originally purchased with only the primary (1 kHz) cue tone can be field modified by simply replacing the PC card.

The recorder amplifier is available in either mono or stereo. Each unit has the standard 1 kHz cue tone. Secondary (8 kHz) and tertiary (150 Hz) tones are available for the recorder as an option.

The standard recorder has two input circuits: a high level 50K ohm balanced transformer and a low level microphone input. The recorder amplifier has an automatic meter switching capability. During recording the meter indicates the record level and in playback the meter indicates the playback level on deck number 3.

Ordering Information

Model	Stock No.	Description
5301A	906-5301A	Mono Playback
5302A	906-5302A	Mono Playback with Cue Tones
5303A	906-5303A	Stereo Playback
5304A	906-5304A	Stereo Playback with Cue Tones

Options and Accessories

Model	Stock No.	Description
5309	906-5309	Mono Recorder
5310	906-5310	Stereo Recorder
SW5E	904-5000	Audio Switcher
	906-5305	Mixer for Single Balanced Output, Mono
	906-5505	Mixer for Single Balanced Output, Stereo
	906-5311	Secondary (150 Hz) and Tertiary (8 kHz) Cue Tones for Mono or Stereo Recorder
	906-5306	Rack Mount Bracket for 1 Unit
	906-5307	Rack Mount Bracket for 2 Units
	906-5508	220V/50 Hz Power Conversion
	919-1806	Extender PC Board
	906-3016	Remote Control Panel

BROADCAST ELECTRONICS, INC.

PRODUCERS OF *Spotmaster*® TAPE CARTRIDGE EQUIPMENT

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