

# McMartin

*"the full choice line"*



B-800 shown

## audio consoles

- |                     |                                    |
|---------------------|------------------------------------|
| <b>B-800 series</b> | monaural<br>stereo<br>dual channel |
| <b>B-500 series</b> | monaural<br>stereo<br>dual channel |
| <b>ACCU-FIVE</b>    | monaural<br>rack mount             |



TBM-3700 shown

## fm products

- |                  |                  |
|------------------|------------------|
| <b>TBM-1000b</b> | relay receiver   |
| <b>TBM-2000b</b> | sca              |
| <b>TBM-2200a</b> | stereo           |
| <b>TBM-2500c</b> | rf amplifier     |
| <b>TBM-3000a</b> | frequency        |
| <b>TBM-3500a</b> | modulation       |
| <b>TBM-3700</b>  | freq./modulation |



TBM-8500 shown

## am-tv products

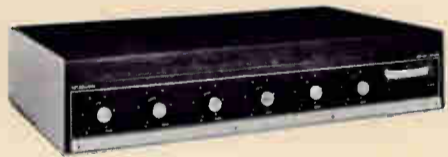
- |                 |                 |
|-----------------|-----------------|
| <b>TBM-5000</b> | am frequency    |
| <b>TBM-5500</b> | am modulation   |
| <b>TBM-8000</b> | tv frequency    |
| <b>TBM-8500</b> | tv modulation   |
| <b>TBM-8800</b> | am-rf amplifier |



TR-E2 shown

## sca products

- |               |                                    |
|---------------|------------------------------------|
| <b>TR-55</b>  | professional tuner                 |
| <b>TR-66b</b> | professional<br>receiver/amplifier |
| <b>TR-E2</b>  | educational receiver               |



MS-200 shown

## amplifiers/mixers

- |                      |  |
|----------------------|--|
| <b>MS-10, 25, 75</b> | amplifiers   |
| <b>MS-200</b>        | mixer  |
| <b>LT-series</b>     | a complete line<br>of power amplifiers<br>from 10 to 350 watts |

• 805 NORTH THIRTEENTH STREET, OMAHA, NEBRASKA • 68102 • (402) 342-2753 • TELEX 048-485 •

**GENTLEMEN:** Please send me the following information:

- |                |                          |                         |                          |
|----------------|--------------------------|-------------------------|--------------------------|
| AUDIO CONSOLES | <input type="checkbox"/> | RELAY RECEIVERS         | <input type="checkbox"/> |
| FM MONITORS    | <input type="checkbox"/> | SCA/MULTIPLEX EQUIPMENT | <input type="checkbox"/> |
| AM MONITORS    | <input type="checkbox"/> | AMPLIFIERS/MIXERS       | <input type="checkbox"/> |
| TV MONITORS    | <input type="checkbox"/> | OTHER                   | <input type="checkbox"/> |

Also, I require an instruction manual for \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_  
 COMPANY/STATION: \_\_\_\_\_ POSITION: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ ZIP: \_\_\_\_\_

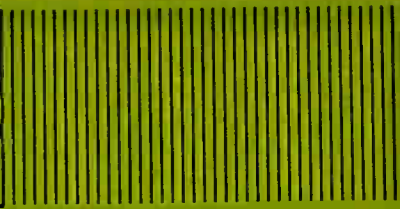
Thank you for your interest in McMartin products. We have enclosed the descriptive literature and sales representative list, which you have requested. If you need further information regarding our "full choice line", please complete the postage-paid card on the back or contact the Director of Sales by phone, (402) 342-2753 . . . . . or Telex 048-485.

**BUSINESS REPLY MAIL** | FIRST CLASS PERMIT NO. 2293, OMAHA, NEBRASKA

*Postage will be paid by:*

McMartin Industries Inc.  
605 North Thirteenth Street  
Omaha, Nebraska 68102

no  
postage stamp  
necessary  
if mailed in the  
United States



## DIGITAL AM FREQUENCY MONITOR

TBM-8000



**ILLUMINATED DIGITAL READOUT  
10 AND 20 Hz DEVIATION INDICATORS**

**FCC TYPE APPROVAL #3-182  
FRONT ACCESS TO PLUG-IN CARDS**

### DESCRIPTION

The McMartin TBM-8000 AM Frequency Monitor is designed to provide a visual, digital readout of frequency deviation of the operating carrier of standard AM broadcast transmitters in the range of 540 to 1600 kiloHertz.

The readout is by means of seven-segment numeric display modules which afford excellent readability even in high ambient light environments. Since both polarity and the frequency deviation are displayed directly, human error is virtually eliminated.

Three modes of operation are selectable by push-button switching. The normal operating mode is with the "Modulated Carrier" button depressed. This mode of operation uses a 10-second gate time. Readings over the deviation range from 0 to  $\pm 39$  Hertz are displayed.

With the "Unmodulated Carrier" button depressed, a 1-second gate time is employed. This position is

intended primarily for transmitter frequency adjustment.

A "Wide Range" mode is provided. The sampling rate is 1/10 second and increases the display range to  $\pm 390$  Hz. This position is useful for correcting wide deviations of the carrier frequency. Deviations beyond 390 Hz will blank the display; however, the polarity lamp will continue to operate with deviations up to  $\pm 1$  kiloHertz from the assigned frequency.

Protection against large deviations is afforded by indicator lamps which operate when frequency excursions in excess of 10 Hz and 20 Hz occur. Relay contact closures are available for the connection of external alarms when  $\pm 20$  Hertz has been exceeded.

A self-adjusting RF attenuator accommodates RF input levels up to 5 watts. A front panel warning indicator is provided to detect insufficient RF input.

Optional plug-in cards are available for:(1) driving automatic logging equipment with BCD logic; or (2) analog operation of remote meters.

## SPECIFICATIONS

**OPERATING RANGE** ..... Any 10 kiloHertz increment,  
540 to 1600 kHz

**INPUT LEVEL** ..... 0.05 to 5.0 watts (max)

**INPUT IMPEDANCE** ..... 50 ohms (UHF connector)

**FREQUENCY STABILITY** ..... Better than  $\pm 2$  parts per  
million (PPM). 0-55° C.

**AGING RATE** ..... Less than 2 PPM/mo.

**AM REJECTION** ..... Will reject a minimum of 95%  
modulation and typically will reject 98%

**DISPLAY** ..... 0 to  $\pm 39$  Hertz in 1.0 Hz increments  
(Modulated and Unmodulated Carrier  
positions). 0 to  $\pm 390$  Hertz in 10.0 Hz  
increments (Wide Range position).

**ALARM INDICATORS** ..... 1. Low RF input 2. Greater  
than 10 Hz deviation. 3. Greater than 20Hz  
deviation (contact closures available when  
 $\pm 20$  Hz has been exceeded).

**POWER REQUIREMENTS** ..... 120,  $\pm 10$  Vac or 240,  
 $\pm 20$  Vac; 50/60 Hz. 20 watts

**DIMENSIONS** ..... (W) EIA Standard 19" Rack;  
(H) 3½"; (D) 9½"

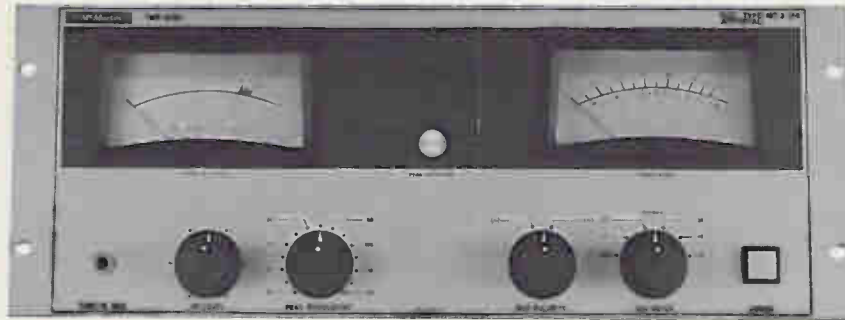
**WEIGHT** ..... 14 pounds

**FINISH** ..... Beige with Wood Grain Trim

## OPTIONAL ACCESSORIES

**RM-80-T/R** ..... Remote Metering Kit, consisting of:  
RM-80-T, Plug-in BCD/analog conversion  
card; RM-80-R, Remote Rack Panel  
with meter and calibration control.

**RM-81-T** ..... Plug-in parallel BCD output (for  
driving automatic logging equipment).



**FCC Type Approval #3-188**

**Silicon Solid State**

**Direct-Reading AM S/N Ratio**

**Carrier-Failure Alarm**

**Modular Plug-In Cards**

**Remote Metering Capability**

### DESCRIPTION

The McMartin Model TBM-8500 is designed to monitor the percentage of modulation of AM broadcast transmitters operating in the 540 to 1600 kiloHertz range.

The TBM-8500 employs the latest techniques in silicon, solid state circuit design. All devices are conservatively rated. Critical circuitry is placed on plug-in, Grade G-10 glass epoxy base, etched circuit boards.

The modulation percentage meter functions as a semi-peak reading voltmeter. When used for direct measurement of AM signal-to-noise ratio, the meter is appropriately damped to improve readability in the presence of noise.

A polarity switch permits measurement of either positive or negative modulation peaks by the meter and the peak flasher. The peak flasher lamp thresh-

old is adjustable for modulation levels from 20 to 120 per cent for positive peaks and 0 to 100 per cent for negative peaks.

RF input level and carrier shift are continuously monitored.

Rear chassis termination provides a balanced 600-ohm audio output signal, a high impedance audio output for external distortion measurements, relay contact closures for actuation of carrier-failure alarm devices and connections for remote peak flasher and modulation metering.

An optional remote metering kit, Model RM-85T/R, consists of the RM-85T plug-in remote meter amplifier card and the RM-85R, 5 1/4 inch rack-mount remote meter panel.

The TBM-8500 is attractively finished in the new McMartin beige and wood grain motif.



## SPECIFICATIONS

RF Frequency Range ..... 540 to 1,600 kiloHertz

### RF INPUT

Sensitivity ..... 5 to 10 volts rms

Impedance ..... 50 ohms unbalanced

### OUTPUTS

#### A. Audio Output for Monitoring Circuits

Source Impedance ..... 600 ohms balanced

Level ..... +4 dBm at 100 per cent modulation at 1 kHz

Frequency response .....  $\pm 0.5$  dB, 30 to 15,000 Hertz

Distortion ..... 0.25 per cent maximum, 30 to 15,000 Hertz

#### B. Audio Output for distortion measurements

Impedance ..... 10 K-ohms minimum

Level ..... 6 to 7 volts rms at 100 per cent modulation at 1 kHz

Frequency response ..... 30 to 15,000 Hertz,  $\pm 0.5$  dB

Distortion ..... 0.25 per cent maximum, 30 to 15,000 Hertz

#### C. Headphone Output

Impedance ..... 22 K-ohms

Level ..... 2 volts rms

Frequency response ..... 30 to 15,000 Hertz,  $\pm 0.5$  dB

### PEAK FLASHER

Accuracy .....  $\pm 2$  per cent of full scale, 30 to 15,000 Hertz

Range ..... Continuously adjustable 0 to 120 per cent positive peaks; 0 to 100 negative peaks

### MODULATION METER (Ballistics meet FCC requirements)

Accuracy ..... +2 per cent of full scale at 1,000 Hertz modulating frequency

Frequency response .....  $\pm 0.5$  dB, 30 to 15,000 Hertz

Scale ..... 0 to 100 per cent negative peaks, 0 to 110 per cent positive peaks, 0 to 120 per cent full scale.

Remote Metering ..... Terminations provided for remote peak flasher; and (with RM85-T/R kit) remote modulation meter

Power Requirements ..... 105 to 125 volts AC, 50/60 Hertz

Fuse ..... 0.5 amps

Ambient Temperature .....  $-10^{\circ}$  C to  $55^{\circ}$  C

Mechanical dimensions ..... Standard rack panel 19" w x 7" h x 11" d

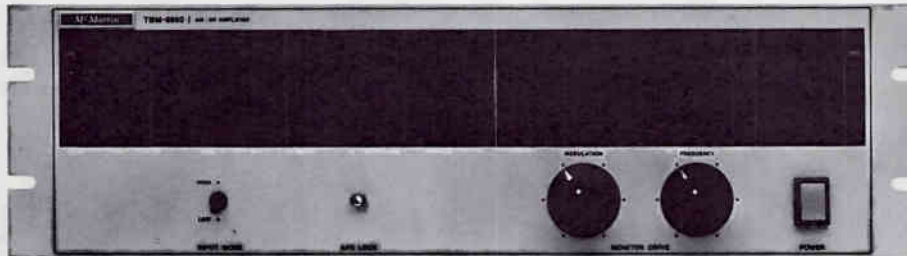
Weight ..... 22 $\frac{1}{2}$  pounds

Finish ..... McMartin beige and wood grain trim

Optional accessory ..... RM85-T/R remote meter kit

## AM RF AMPLIFIER

**TBM-8800**



**EXCELLENT SELECTIVITY**

**AUTOMATIC GAIN CONTROL**

**REMOTE/LOCAL POWER LEVEL SWITCHING**

**SEPARATE MODULATION/FREQUENCY MONITOR OUTPUTS**

**1.0 MILLIVOLT SENSITIVITY**

**CARRIER FAILURE ALARM**

### DESCRIPTION

The McMartin TBM-8800 AM RF amplifier, utilizing integrated circuits, MOSFET and the latest silicon RF power devices, is designed for amplification of "off-air" AM broadcast signals to levels required for driving FCC Type Approved AM modulation and frequency monitors located at a remote control point.

The TBM-8800 employs the superheterodyne principle for maximum selectivity while retaining linear bandwidth and eliminating regeneration. IF selectivity is obtained by use of a ceramic ladder filter.

Sum-and-difference double conversion is used and no frequency error is introduced by the TBM-8800. The frequency of the local offset oscillator is maintained by AFC lock techniques.

Separate class AB broadband power amplifiers are employed for modulation monitor and frequency monitor drive with independent control of the output levels. Limiting in the frequency monitor drive amplifier accommodates up to 99% negative modulation peaks.

Automatic gain control is standard. A 20 dB variation in input level produces less than a 1 dB output variation. The AGC action may be defeated for manual operation.

Front panel switching is provided for power level changes. This switching may also be accomplished remotely.

Carrier failure terminations are provided for connection of customer-supplied alerting devices.

### SPECIFICATIONS

**FREQUENCY RANGE:**..... 540-1600 kHz

**INPUT SENSITIVITY:** ..... 1.0 millivolts (minimum)

**INPUT IMPEDANCE:** ..... 50 ohms, unbalanced

**SELECTIVITY:** .....  $\pm 13$  kHz @ 3 dB points  
 $\pm 30$  kHz @ 70 dB points

**S/N RATIO:** ..... 45 dB or greater (with 5.0 millivolt input signal)

#### AGC

**DYNAMIC RANGE:** .... 20 dB variation in input level produces less than 1 dB output change

#### ENVELOPE

**DISTORTION:** ..... 0.5% (maximum)

#### OUTPUTS

(Adjustable)

##### Modulation monitor:

..... 2.0 watts 100% mod., 50 ohms

##### Frequency monitor:

..... 6 volts p-p square wave, 50 ohms

#### TEMPERATURE

**RANGE:** ..... 0° C - 50° C

#### REAR CHASSIS

**TERMINATIONS:** .... (a) Oscilloscope output—10K ohms

(b) ... Carrier failure alarm contacts

(c) ... Remote power level switching

**POWER REQUIRED:** ..... 117 VAC, 50/60 Hz

**DIMENSIONS:** ..... (w) .. 19" (EIA standard rack mount)

(h) ..... 5 1/4"

(d) ..... 10" overall

**WEIGHT:** ..... 9 lbs.

**FINISH:** ..... McMartin Beige with woodgrain trim





**MC MARTIN INDUSTRIES, INC.**  
**CHANGES TO BROADCAST PRICE LIST**

ADD TO PAGE B-72-AC1:

OPTIONAL STEP ATTENUATORS FOR FIVE (5) MIXERS ON B-500 SERIES CONSOLES:

B-501 AND B-503 (MONAURAL)	ADD: \$225.00
B-502 (STEREO)	ADD: \$350.00

ALLOW 30 TO 45 DAYS DELIVERY.

ADD TO PAGE B-72-AC3:

B-802-S3	B-802 STEREO CONSOLE PLUS FEATURES OF S1 AND S2 MODELS.	\$3,850.00
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ALLOW 30 TO 45 DAYS DELIVERY.

DELETE FROM PAGE B-72-M1:

TBM-0380 (REPLACED BY STE-1 IN TBM-1000B)

TBM-3500A (REPLACED BY TBM-3780 OR TBM-4500A)

ADD TO PAGE B-72-M3:

TBM-8800	AM-RF AMPLIFIER WITH AGC (AVAILABLE MARCH 1973)	\$485.00
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QUICK REFERENCE TABLE — MC MARTIN PROFESSIONAL AUDIO CONSOLES

<u>FEATURE</u>	<u>ACCU-FIVE</u>	<u>B-500 SERIES</u>	<u>B-800 SERIES</u>
MIXER CHANNELS	5	5	8
INPUTS	13	10	27
MONAURAL CHANNELS	PROGRAM	AUDITION/PROGRAM	AUDITION/PROGRAM
DUAL MONAURAL CHANNELS	NOT AVAILABLE	PROGRAM A/PROGRAM B	PROGRAM A/PROGRAM B
STEREO CHANNELS	NOT AVAILABLE	AUDITION/PROGRAM	AUDITION/PROGRAM
STEREO/MONAURAL CHANNELS	NOT AVAILABLE	NOT AVAILABLE	AUDITION/PROGRAM/ MONAURAL
DUAL STEREO CHANNELS	NOT AVAILABLE	NOT AVAILABLE	PROGRAM/PROGRAM
DUAL STEREO/MONAURAL	NOT AVAILABLE	NOT AVAILABLE	PROGRAM/PROGRAM/ MONAURAL
CUE AMPLIFIER/SPEAKER	PROVIDED	PROVIDED	PROVIDED
CUE INPUT	ALL CHANNELS	ALL CHANNELS	ALL CHANNELS
PROGRAM FREQUENCY	$\pm 1.0$ DB 30-15,000	$\pm 0.5$ DB 30-15,000	$\pm 0.5$ DB 20-20,000
PROGRAM S/N	60 DB BELOW $\pm 18$	72 DB BELOW $\pm 18$	74 DB BELOW $\pm 18$
GAIN	100 $\pm 2$ DBM	100 $\pm 2$ DBM	102 $\pm 2$ DBM
OUTPUT LEVEL	$\pm 8$ FOR OVU; $\pm 18$ MAXIMUM	$\pm 8$ FOR OVU; $\pm 18$ MAXIMUM	$\pm 8$ FOR OVU; $\pm 24$ DBM MAXIMUM
CROSSTALK	BELOW SYSTEM NOISE	BELOW SYSTEM NOISE	BELOW SYSTEM NOISE
MONITOR CHANNEL FREQUENCY	$\pm 1.5$ DB 50-15,000	$\pm 1.0$ DB 30-15,000	$\pm 0.5$ DB 20-20,000
MONITOR AUDIO	4 WATTS RMS	4 WATTS RMS	8 WATTS RMS
MONITOR NOISE	50 DB BELOW 4 WATTS	60 DB BELOW 4 WATTS	70 DB BELOW 8 WATTS
INPUT LEVELS	LOW -60 DBM NOMINAL -35 DBM MAXIMUM	-60 DBM NOMINAL -34 DBM MAXIMUM	-60 DBM NOMINAL -30 DBM MAXIMUM
	HIGH -20 DBM NOMINAL $\pm 5$ DBM MAXIMUM	-15 NOMINAL $\pm 10$ DBM MAXIMUM	-15 DBM NOMINAL $\pm 10$ DBM MAXIMUM
ATTENUATORS	MOLDED COMPOSITION	MOLDED COMPOSITION; STEP TYPE OPTIONAL	STEP TYPE
TALK BACK AMPLIFIER	PROVIDED	NOT AVAILABLE	PROVIDED
PRINTED CIRCUIT BOARDS	FIX WIRED	PROGRAM/AUDITION CHAN- NELS PLUG-IN; MONITOR AND CUE AMPS FIX WIRED	ALL PLUG-IN
STANDARD CONFIGURATION	1-MIC (ONE OF 2) 2-MIC (ONE OF 2) 3-HI/LO (ONE OF 2) 4-HI/LO (ONE OF 2) 5-HI/LO (ONE OF 5) 6- 7- 8-	MIC (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2)	MIC (ONE OF 3) MIC (ONE OF 3) MIC (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI BAL (ONE OF 6)
	(ALL INPUTS ON B-500 AND B-800 CONSOLES ARE PLUG-IN AND INTER- CHANGEABLE -- ANY MIXER MAY BE LOW OR HIGH LEVEL BY SELECTION OF PROPER PLUG-IN CARD -- SEE CONSOLE PRICE LIST.)		
INPUT TERMINATION	1 AND 2 CANNON 3 - 5 SCREW TERMINALS	ALL SCREW TERMINALS	ALL SOLDER TYPE
OUTPUT TERMINATION	SCREW TERMINALS	SCREW TERMINALS	ALL SOLDER TYPE
MUTING	ONE RELAY PROVIDED	ONE RELAY PROVIDED; ONE OPTIONAL	FOUR RELAYS PRO- VIDED
POWER SUPPLY	120/220VAC, 50-60 HZ	120/220VAC, 50-60 HZ	120/220VAC, 50-60 HZ
SIZE	19"W, 3.50"H, 10"D	27"W, 7"H, 16"D	44.75"W, 9.75"H, 18.25"D

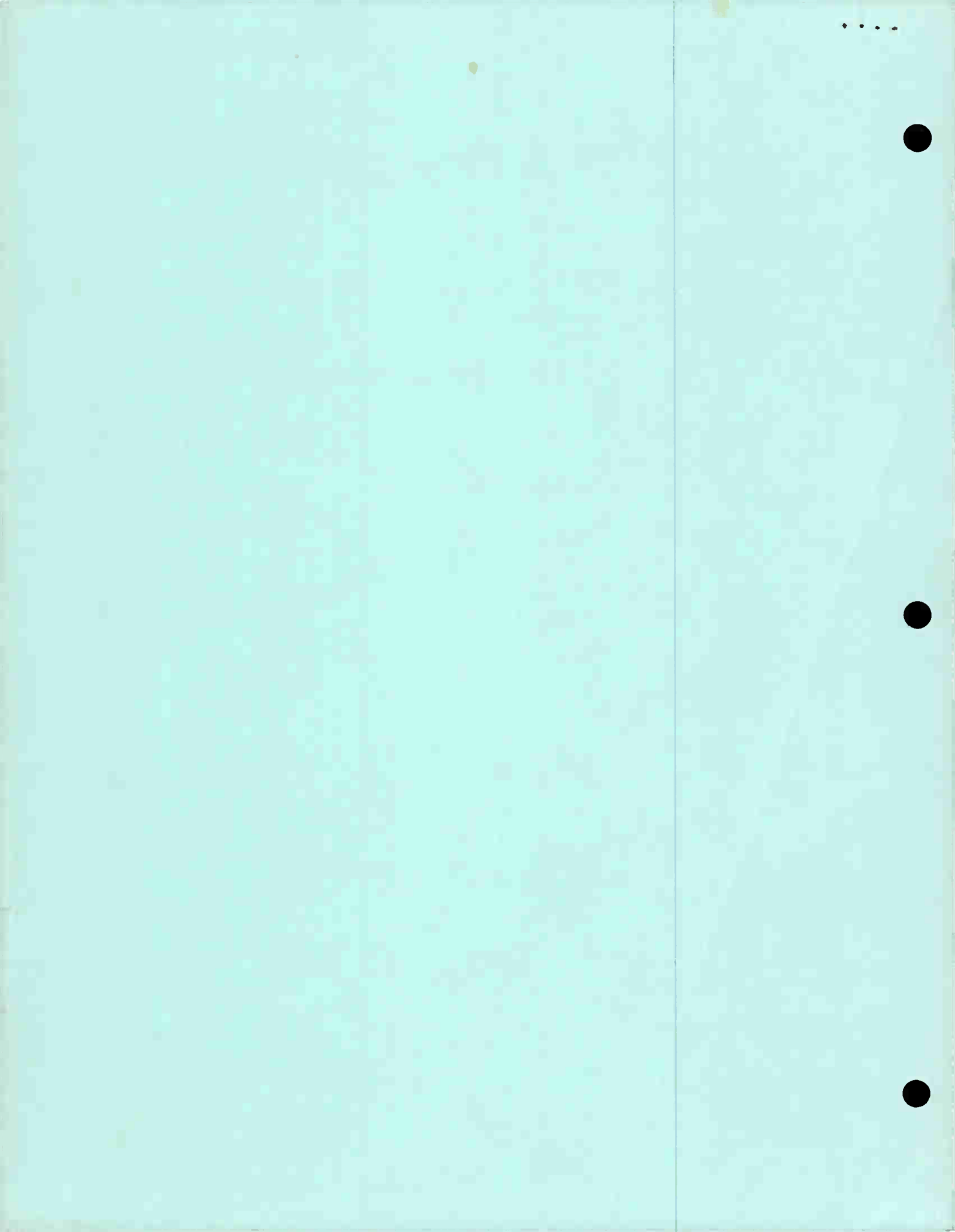
AM EQUIPMENT

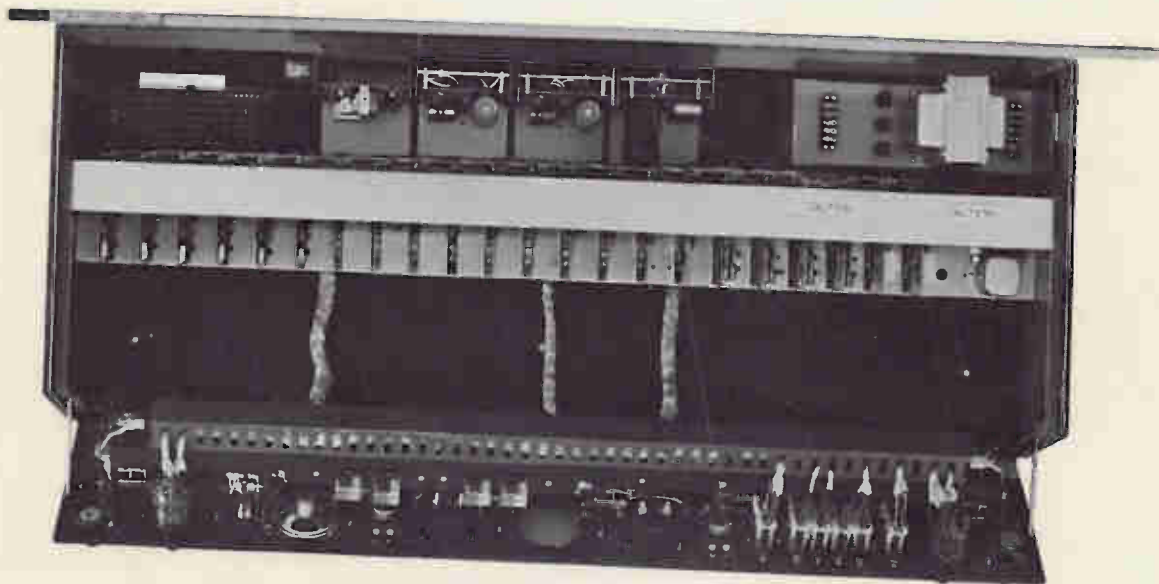
<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
TBM-8000	AM DIGITAL FREQUENCY MONITOR	\$ 975.00
RM-80-T/R	REMOTE METERING KIT FOR TBM-8000 (ANALOG METER READOUT)	150.00
RM-80-T	DIGITAL-TO-ANALOG CONVERTER CARD ONLY	85.00
RM-81-T	PARALLEL DIGITAL OUTPUT CARD (FOR AUTO LOGGING EQUIPMENT)	65.00
TBM-8500	AM MODULATION MONITOR	850.00
RM-85-T/R	REMOTE METERING KIT FOR TBM-8500	105.00
RM-85-T	REMOTE METER AMPLIFIER PLUG-IN CARD ONLY	40.00

VHF-TV EQUIPMENT

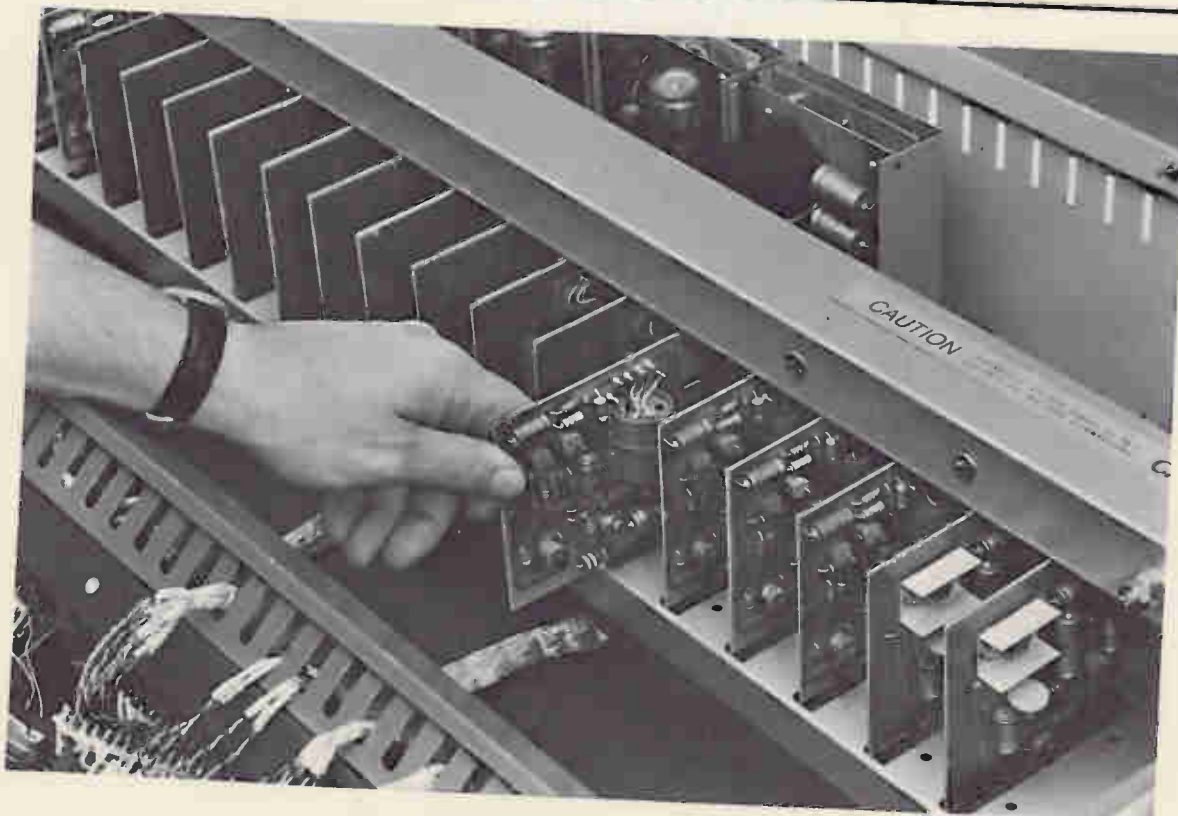
<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
TBM-1003A	VHF-TV AURAL CHANNEL RECEIVER	\$ 275.00
TBM-2500C	RF AMPLIFIER FOR REMOTE MONITOR OPERATION (CH. 2-6)	515.00
-L		
TBM-2500C	RF AMPLIFIER FOR REMOTE MONITOR OPERATION (CH. 7-13)	530.00
-H		
TBM-5000	VHF-TV FREQUENCY MONITOR (AVAILABLE JANUARY 1973)	1,300.00
TBM-5500	VHF-TV AURAL MODULATION MONITOR	1,300.00
TX-500	VHF-TV MODULATION MONITOR CALIBRATOR	300.00

FOR CURRENT PRICES ON REPLACEMENT PARTS, REPAIR OR RECALIBRATION SERVICES, CONTACT THE MC MARTIN CUSTOMER SERVICE MANAGER.





OPEN VIEW/B-802 stereo console



TYPICAL PLUG-IN CAPABILITY/B-800 series

m.  
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34

CO.  
area



# McMartin®

## "8" MIXER AUDIO CONTROL CONSOLES

monaural B-801  
stereo B-802  
dual mono B-803  
dual stereo B-802-S1  
stereo mono B-802-S2



### DESCRIPTION

Featuring plug-in modular design of all amplifiers and input channel devices for complete operational flexibility, the new McMartin audio consoles provide pushbutton selection of twenty-seven input sources controllable through eight mixing channels.

Standard models are the B-801 monaural, the B-803 dual-channel mono, the B-802 stereo, the B-802-S1 dual-channel stereo and the B-802-S2 stereo/mono "simulcast" version. All models are housed in identical cabinetry.

In their standard configurations, the first three mixing channels are equipped with low-level microphone preamplifiers. Mixers #4 through #7 accommodate high-level unbalanced input sources and Mixer #8 is a high level balanced input for network, auxiliary and four remote line input application. The B-802 models are equipped with module complement to deliver full stereo capability in both the program and monitor channels, throughout the entire console system.

All eight mixing channel module connectors are pre-wired to permit use of microphone or high level modules in any of the input channels. Spare switch contacts have been incorporated to permit extension

of speaker muting and warning light control logic to all eight inputs.

High-quality step-type attenuators with cue switches are used in all mixing channels. Complete cueing of all eight mixer inputs, with built-in panel speaker, is provided.

Monitor amplifier modules provide 8-watt rms output level for studio and house monitor speakers.

All models are equipped with selective intercom between the operating position and each of three studios or four remote lines plus a general paging location.

All solid-state devices are operated at conservative ratings and only highest grade components are used. Close attention has been paid to human engineering design with switches and controls positioned for logical, error-free operation.

The B-800 Series is handsomely styled and completely self-contained. With the interconnection of power source and external device cabling, these consoles are ready to deliver many years of highly-professional, reliable service.

## "8" MIXER AUDIO CONTROL CONSOLES

monaural B-801  
stereo B-802  
dual mono B-803  
dual stereo B-802-S1  
stereo mono B-802-S2



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FRONT VIEW/B-802 stereo console

**SPECIFICATIONS**

**PROGRAM CHANNEL(S)**

**FREQUENCY RESPONSE:** .....  $\pm 0.5$  dB, 20 to 20,000 Hertz

**TOTAL HARMONIC DISTORTION** .... 0.5% or less, 20 to 20,000 Hz @ +18 dBm output with -50 dBm signal fed to any low level input

**S/N RATIO:** ..... 74 dB or greater below +18 dBm output. -50 dBm input to any low level input. Master and channel mixers adjusted for equal attenuation, totaling 34 dB

**OVERALL GAIN** .. 102,  $\pm 2$ , dBm

**OUTPUT LEVEL** .. +8 dBm nominal. +24 dBm maximum capability

**INPUT LEVELS** .. Channels 1-3: -60 dBm nom., -30 dBm max. Channels 4-7: -15 dBm nom., +10 dBm max.

**INPUT IMPEDANCES** ... Channels 1-3: 150 ohms balanced. (50/600 ohms by strapping). Channels 4-7: 600 ohms unbalanced. (150 ohms by strapping). Channel 8: 600 ohms balanced (150 ohms by strapping).

**LINE OUTPUT SWITCHING** ..... B-801: Line 1, Line 2 and terminated OFF positions.  
 B-802: Stereo (separate L and R outputs), Mono (L+R feeding Line 1) and terminated OFF positions.  
 B-803: Channel A to Line 1/Channel B to Line 2, Reversal, and terminated OFF positions.

**AUDITION BUSS**

**OUTPUT(S)** ..... B-801, B-802, B-802/S2: -10 dBm, 10K ohms, unbalanced. B-803: None.  
 B-802/S1: +8 dBm nominal, +24 dBm maximum.

**CROSSTALK** .... B 801, below noise level (audition to program)  
 B-802, below noise level (L to R to audition)  
 B-803, below noise level (Channel A to Channel B)

**MONITOR CHANNEL(S)**

**FREQUENCY RESPONSE:** .....  $\pm 0.5$  dB, 20 to 20,000 Hertz

**TOTAL HARMONIC DISTORTION** .... 0.75% or less, 20 to 20,000 Hz @ 8 watts rms output

**S/N RATIO:** .... 70 dB below 8 watts (with  $\pm 18$  dBm at program line output(s).

**OUTPUT LEVEL** ... .8 watts rms

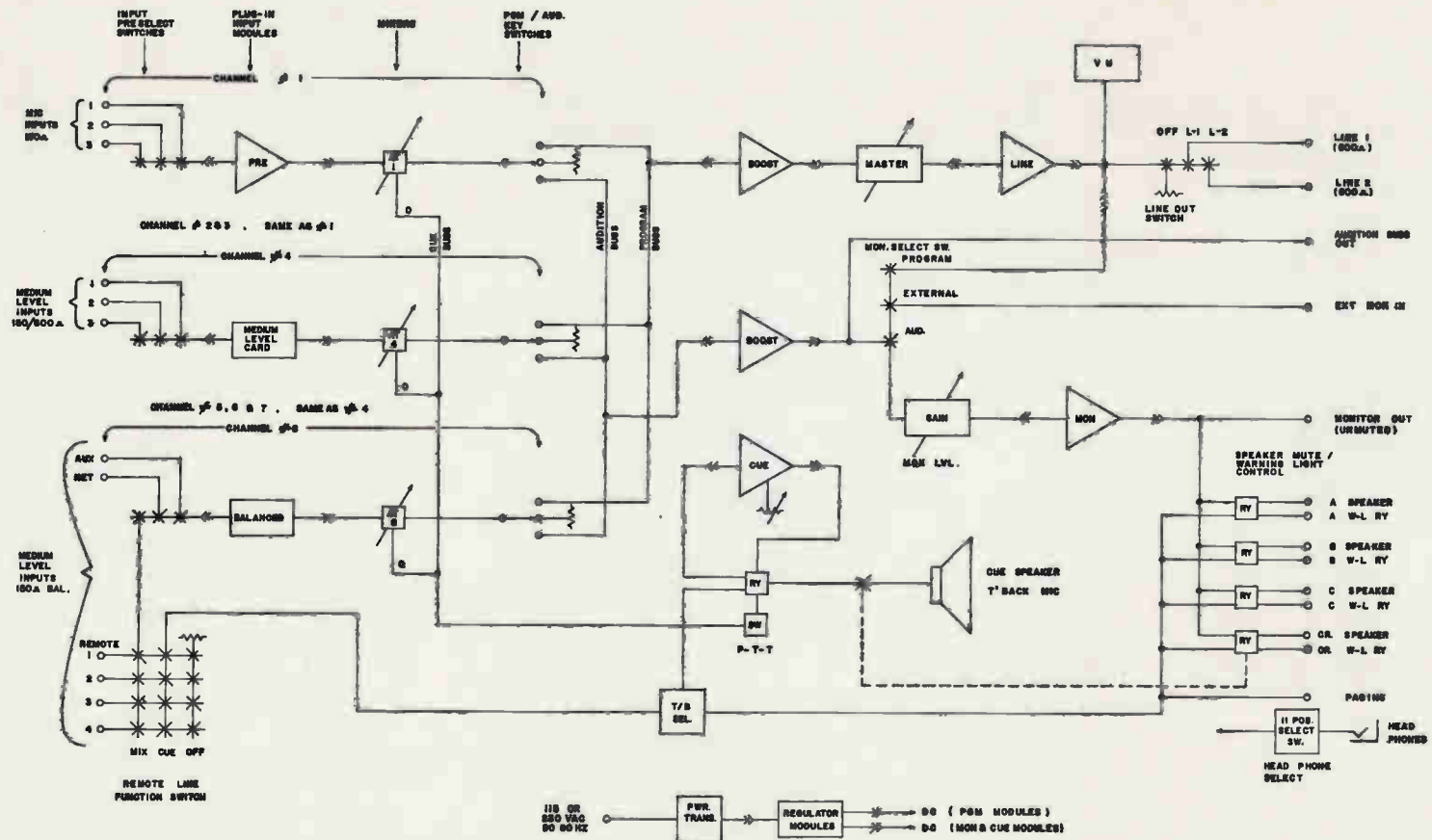
**OUTPUT IMPEDANCE** .... .8 to 16 ohms, unbalanced

**POWER REQUIRED** ..... B-801 65 watts  
 ..... B-802 100 watts  
 ..... B-803 80 watts

**DIMENSIONS:** ... 44 $\frac{7}{8}$ " wide, 18 $\frac{1}{4}$ " deep, 9 $\frac{3}{4}$ " high

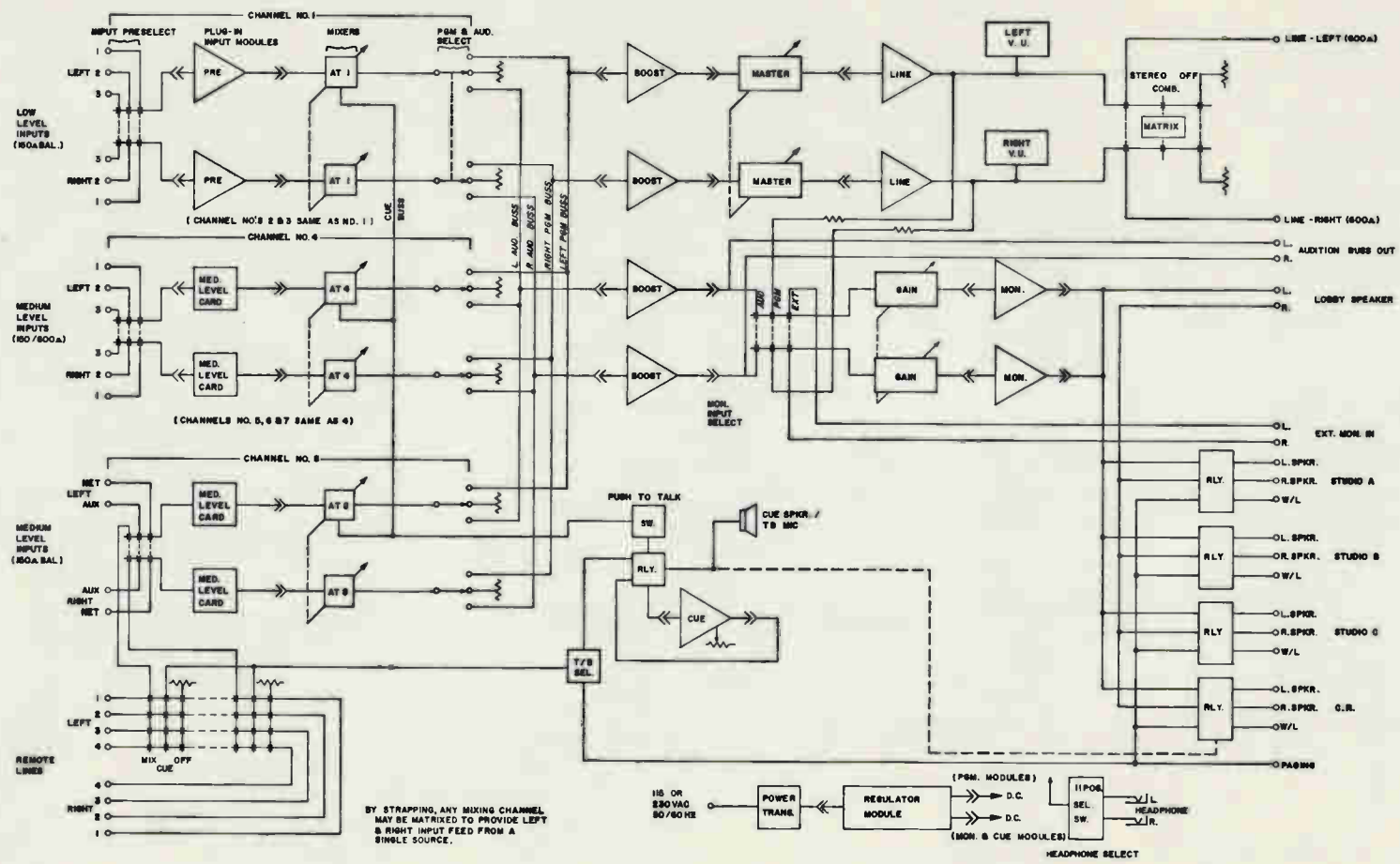
**FINISH** ..... Cabinet: Beige with wood trim end panels. Front Panel: Upper control area — beige, lower control area — black.

FUNCTIONAL BLOCK DIAGRAM/B-801 monaural console



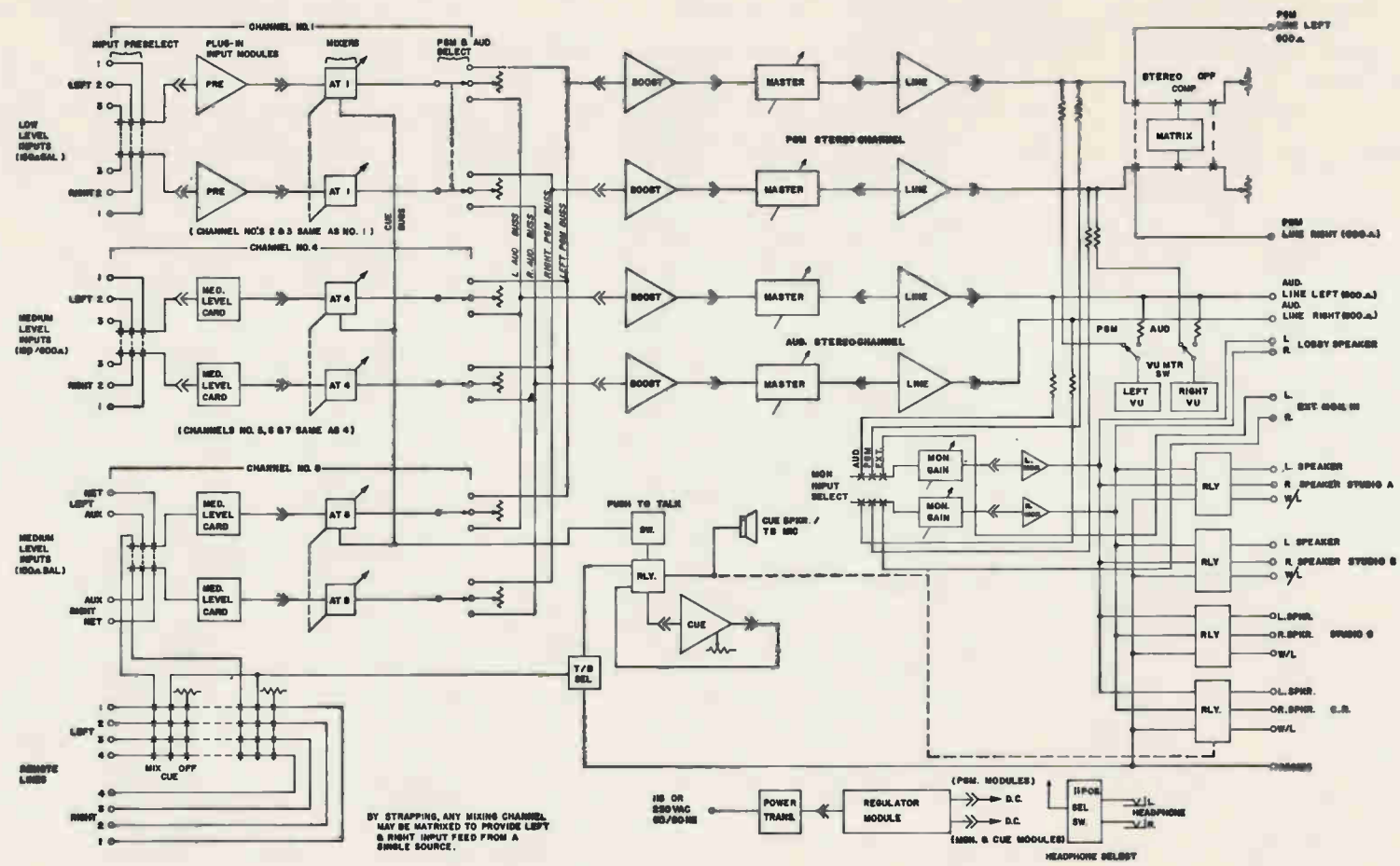


FUNCTIONAL BLOCK DIAGRAM/B-802 stereo console

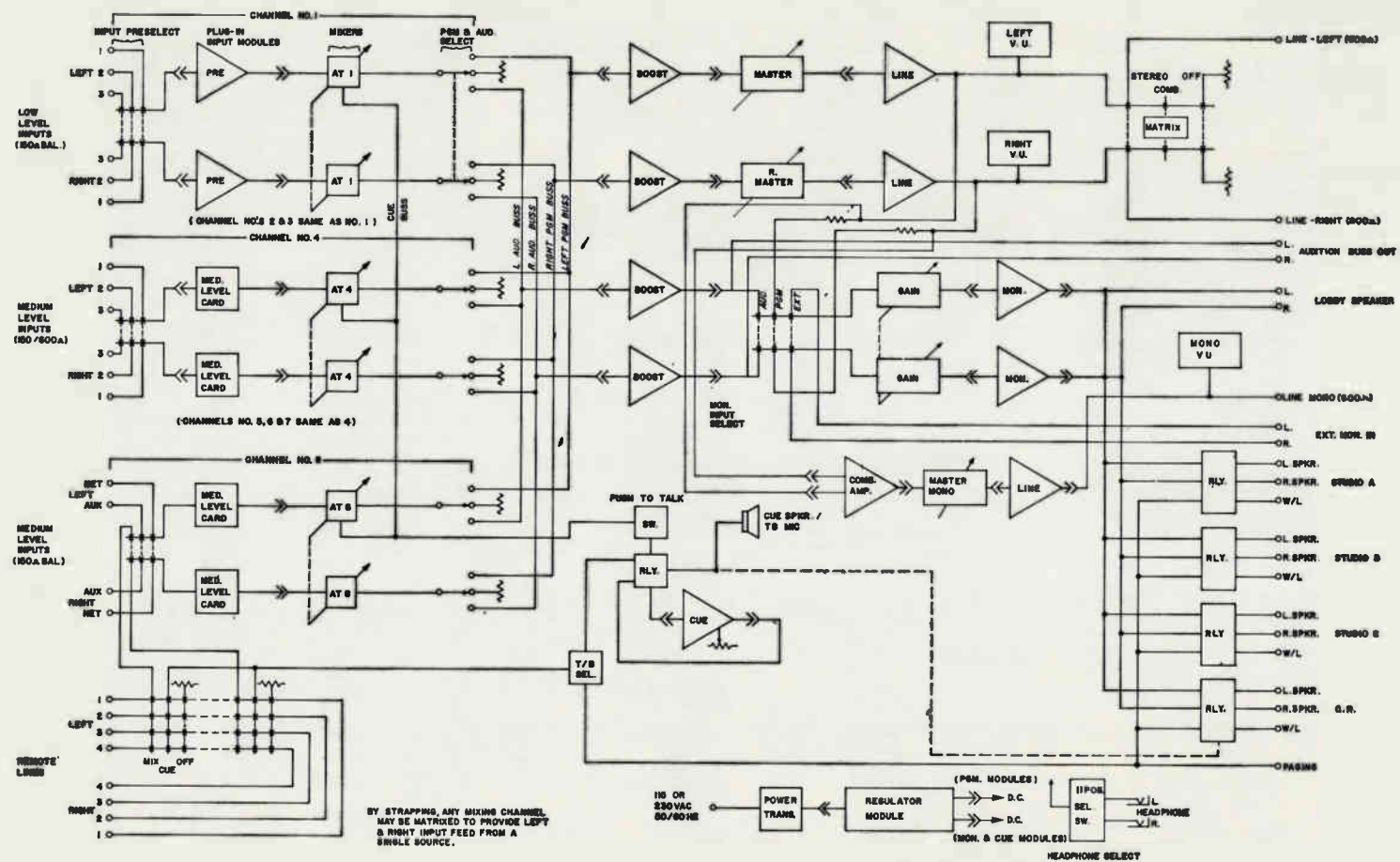




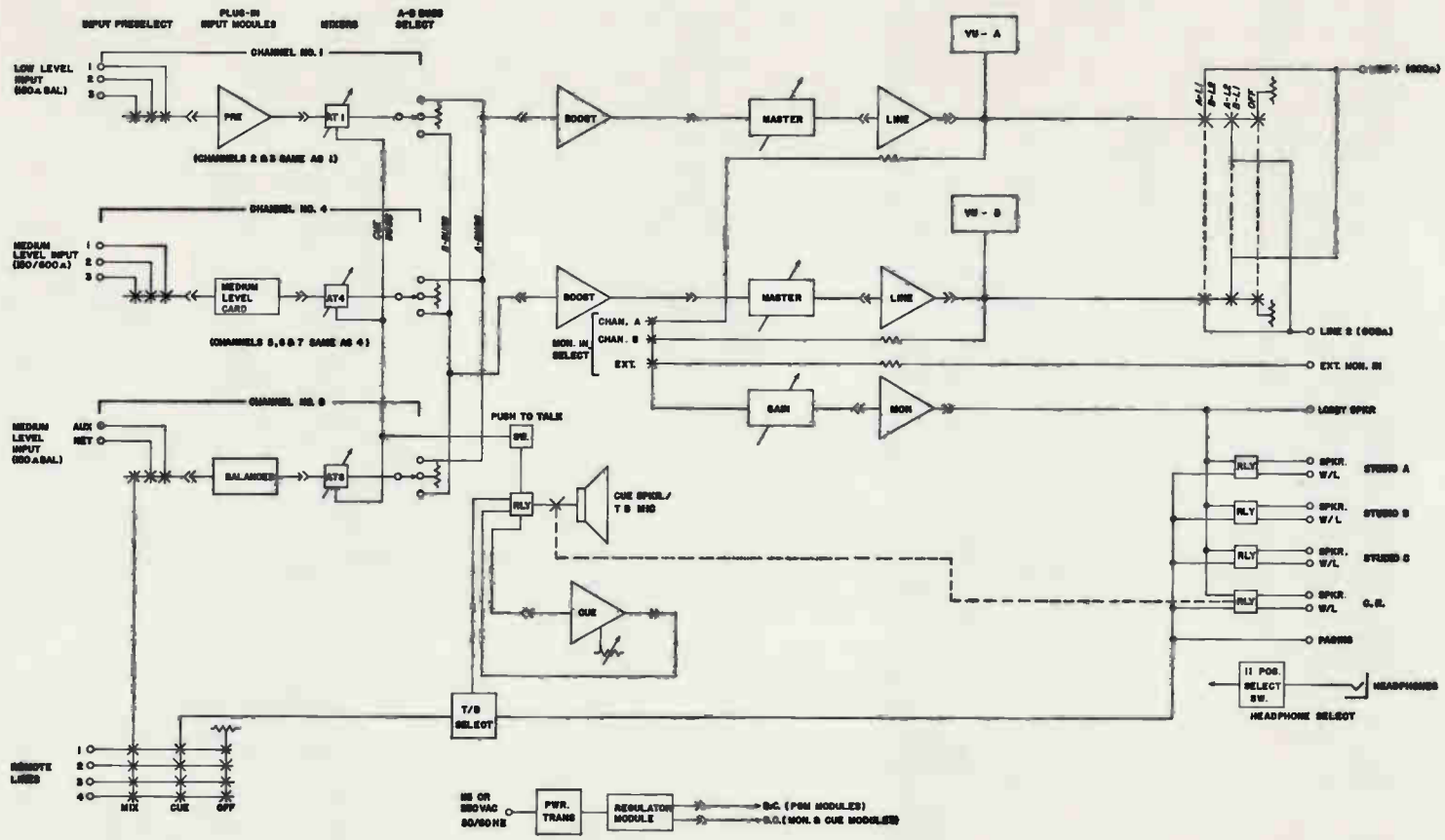
FUNCTIONAL BLOCK DIAGRAM/B-802-S1 dual stereo console

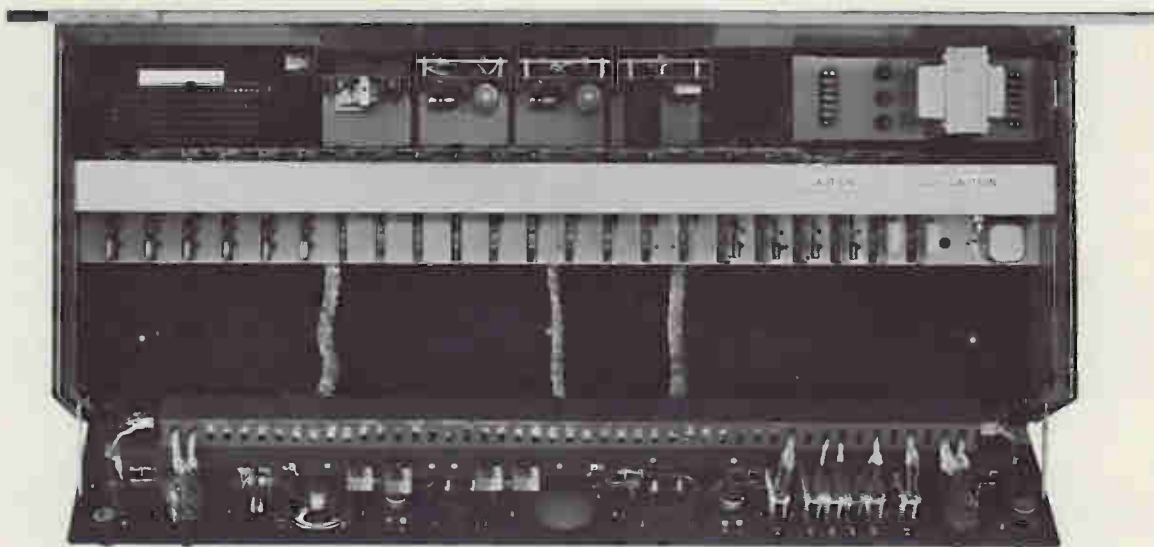


FUNCTIONAL BLOCK DIAGRAM / B-802-S2 stereo/monaural



FUNCTIONAL BLOCK DIAGRAM/B-803 dual channel console





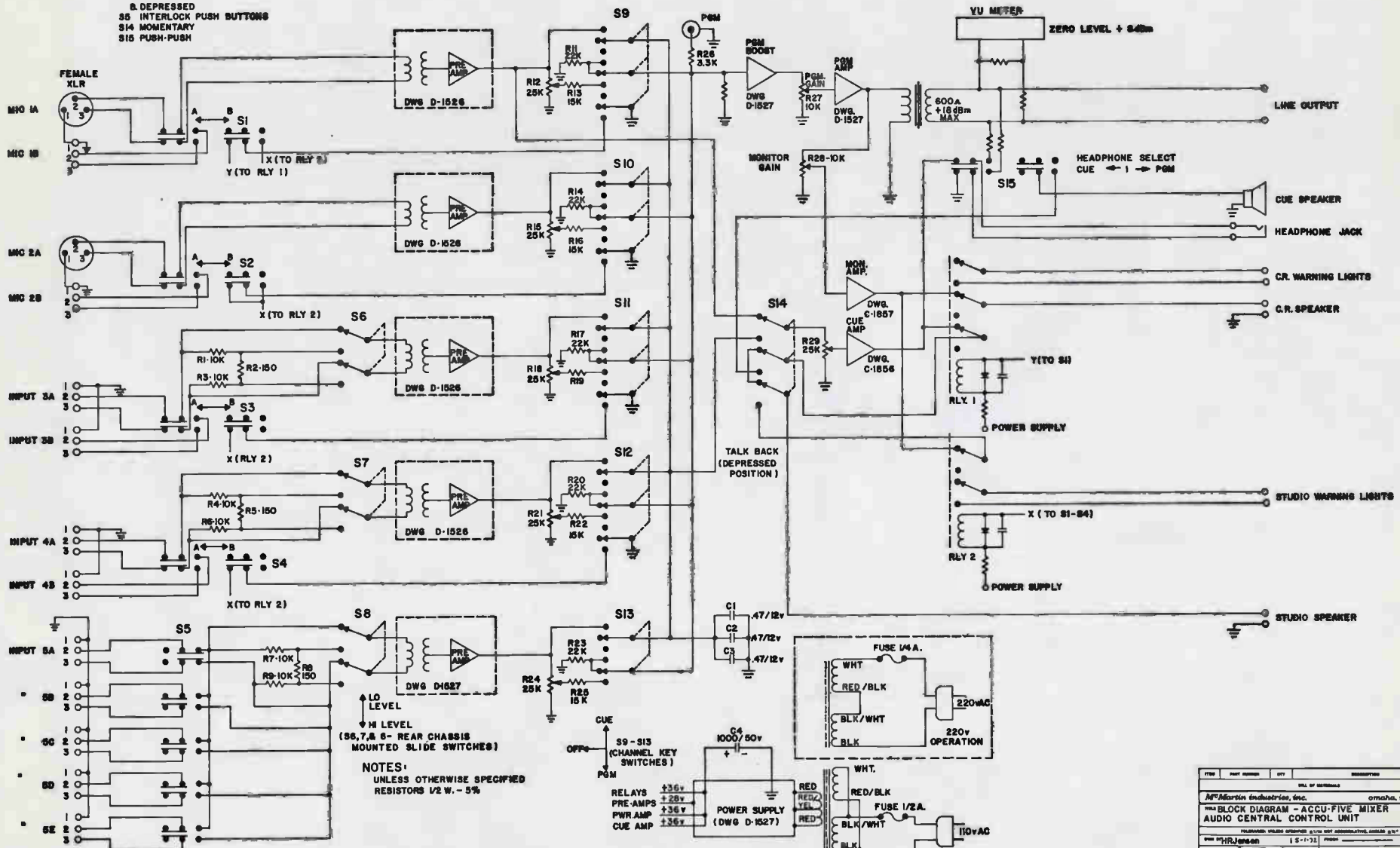
OPEN VIEW/B-802 stereo console



TYPICAL PLUG-IN CAPABILITY/B-800 series



SWITCHES:  
 S1-S4 PUSH-PUSH  
 A. NON-DEPRESSED  
 B. DEPRESSED  
 S5 INTERLOCK PUSH BUTTONS  
 S14 MOMENTARY  
 S15 PUSH-PUSH



NOTES:  
 UNLESS OTHERWISE SPECIFIED  
 RESISTORS 1/2 W. - 5%

RELAYS +35V  
 PRE-AMPS +25V  
 PWR AMP +35V  
 CUE AMP +35V

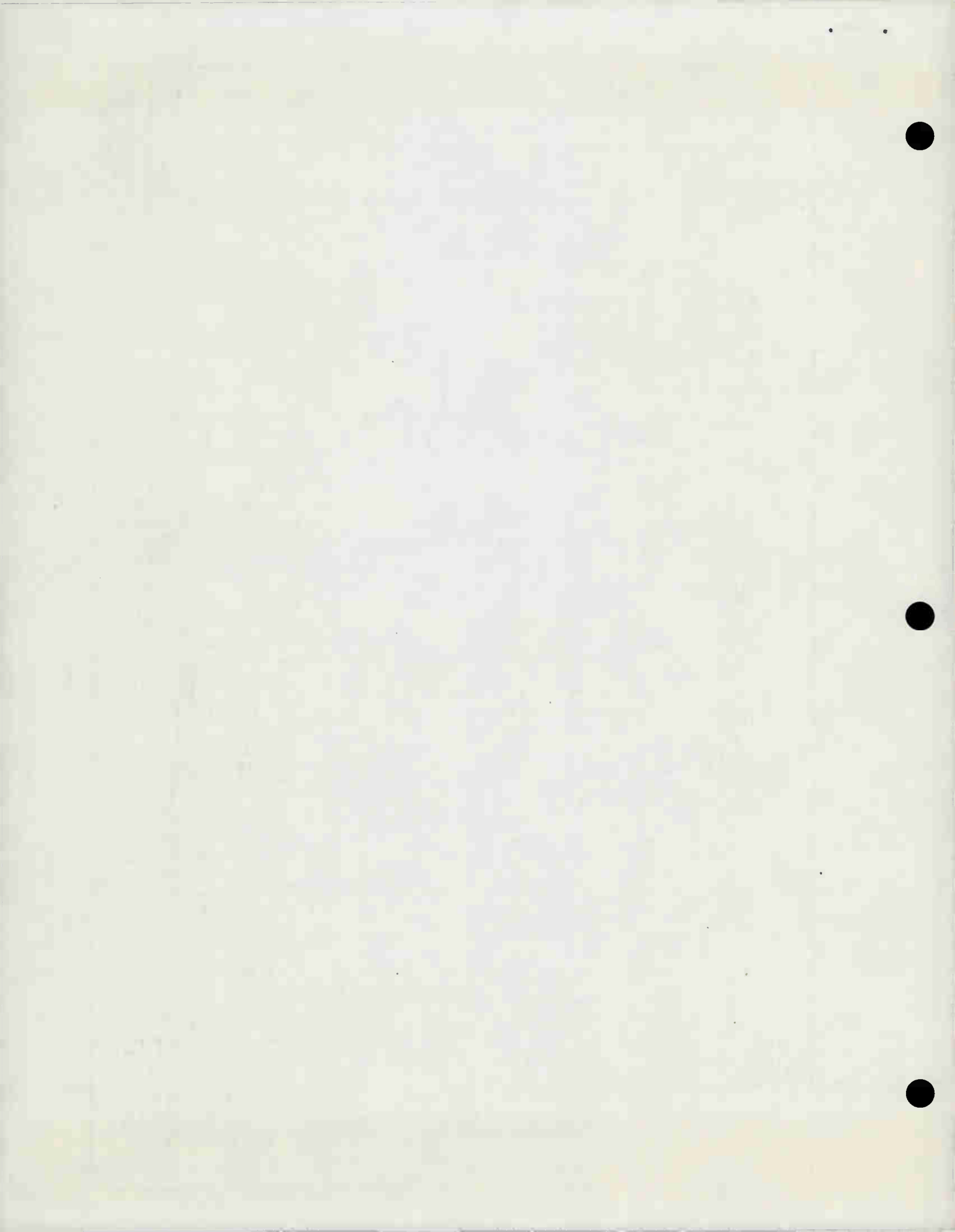
POWER SUPPLY  
 (DWG D-1527)

FUSE 1/4A.  
 WHT  
 RED/BLK  
 BLK/WHT  
 BLK  
 220V OPERATION

FUSE 1/2A.  
 WHT.  
 RED/BLK  
 BLK/WHT  
 BLK  
 110VAC

REV	DATE	DESCRIPTION	BY	CHK BY
1	12-1-72	REVISED		
Martin Industries, Inc.      Omaha, Nebraska <b>BLOCK DIAGRAM - ACCU-FIVE MIXER</b> <b>AUDIO CENTRAL CONTROL UNIT</b>				
DESIGNED BY	DATE	APP'D BY	DATE	REV.
H. Jensen	12-5-72			
DRAWING NO. D-1525				15-1-72





**McMartin**

# sales representatives

## BROADCAST PRODUCTS

### WESTERN DISTRICT REGIONAL SALES MANAGER,

**MARVIN HEADRICK**  
5738 Fair Avenue, Apt. Q  
North Hollywood, California  
91601

Phone: (213) 980-1895

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Louisiana  
Oklahoma  
Texas (northeast)

**BOB AMOS**  
Bob Amos and Associates  
916 Green Hill Road  
Dallas, Texas  
75232

Phone: (214) 741-3674

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Alberta  
British Columbia  
Manitoba  
Saskatchewan

**ALEX ANDISON**  
Electro-Tec Marketers, Ltd.  
1624 West Third Street  
Vancouver, B. C., Canada

Phone: (604) 736-6377

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Idaho  
Montana  
New Mexico  
Texas (southwest)  
Utah  
Wyoming

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Oregon  
Washington

**TOM CAMPBELL**  
Datacom Associates  
111 Tower Place  
Seattle, Washington  
98109

Phone: (206) 285-2525

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8123 Monrovia  
Shawnee Mission, Kansas  
66216

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Wisconsin (east)

**FELIX BONVOULOIR**  
Midwest Electronics Associates  
P.O. Box 82  
La Grange, Illinois  
60525

Phone: (312) 354-3124

Michigan

**BOB CHAMPAGNE**  
Champagne Sales Company  
25915 West Ten Mile Road  
Southfield, Michigan  
48075

Phone: (313) 354-0270

Ohio  
Pennsylvania (west)  
West Virginia

**DOUG COOK**  
Doug Cook and Associates  
2185 Trent Road  
Columbus, Ohio  
43229

Phone: (614) 471-4114

Iowa  
Minnesota  
North Dakota  
South Dakota  
Wisconsin (west)

**LAURENCE F. DURFEE**  
Magnatech Company  
3601 Park Center Blvd.  
Minneapolis, Minnesota  
55416

Phone: (612) 920-6677

### EASTERN DISTRICT REGIONAL SALES MANAGER,

**TOM CREIGHTON**  
100 Green Spring Drive  
Annapolis, Maryland  
21403

Phone: (301) 263-6078

North Carolina  
South Carolina  
Virginia (southern)

**A. W. GREESON, JR.**  
219 Homewood Avenue  
Greensboro, North Carolina  
27403

Phone: (919) 292-1791

Connecticut  
Maine  
Massachusetts  
New Hampshire  
Rhode Island  
Vermont

**WARREN R. HARTWELL**  
WRH Productions  
5 Industrial Way  
Riverside, Rhode Island  
02915

Phone: (401) 434-6272

Long Island  
New Jersey (northeast)  
New York City

**JOEL JOSEPH**  
Joseph Associates  
8 Cove Lane  
P.O. Box 307  
Port Washington, New York  
11050

Phone: (516) 883-1829

Delaware  
District of Columbia  
Maryland  
New Jersey (southwest)  
Pennsylvania (eastern)  
Virginia (northern)

**TOM CREIGHTON**  
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21403

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California (southern)  
Nevada (southern)

**JACK CARTER**

Jack Carter Associates  
11200 Chandler Boulevard  
North Hollywood, California  
91603

Phone: (213) 980-3450

Hawaii

**LARRY HAWKINS**

Hawkins Audio Engineers, Inc.  
1160 North King Street  
Honolulu, Hawaii  
96817

Phone: (808) 841-5031

Alaska

**HARRY J. LANG**

Harry J. Lang and Associates  
1406 West 47th Avenue  
Anchorage, Alaska  
99503

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California (northern)  
Nevada (northern)

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Mississippi  
Tennessee

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New York (upper)

**WENDELL L. MARTIN**

Wendell Martin Company  
3573 Howlett Hill Road  
Camillus, New York  
13031

Phone: (315) 673-2943

**INTERNATIONAL**

Canada  
New Brunswick  
New Foundland  
Nova Scotia  
Ontario, Quebec  
Prince Edward

**DEL BLACK**

Delbee Associates, Ltd.  
1555 Pitfield Boulevard  
Montreal 384, Quebec, Canada

Phone: (514) 334-5763

Central America  
Puerto Rico  
South America  
Virgin Islands

**BERNARD HALPERN**

ManRep Corporation  
P.O. Box 4808  
Miami Lakes, Florida  
33014

Phone: (305) 822-7630

Israel

**ELI ROSHGOLD**

Telemusica, Ltd.  
1, Korazin Street, P.O. Box 826  
Givatayim, 53108 Israel

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PHYSICS 110

PHYSICS 111

PHYSICS 112

PHYSICS 113

PHYSICS 114

PHYSICS 115

PHYSICS 116

PHYSICS 117

PHYSICS 118

PHYSICS 119

PHYSICS 120

PHYSICS 121

PHYSICS 122

PHYSICS 123



B-800 8-MIXER AUDIO CONSOLES (CONT.)

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
B-802-S1	INCLUDES STANDARD MODULE CONTENT SHOWN FOR B-802 IN "B-800 SERIES CONSOLE PRICE LIST", PLUS TWO (2) PLUG-IN PROGRAM AMPLIFIER MODULES TO PROVIDE BALANCED, 600 OHM STEREO, LINE LEVEL OUTPUTS FROM THE AUDITION CHANNELS. INCLUDES SEPARATE INTERNAL AUDITION CHANNEL MASTER GAIN CONTROLS AND FRONT-PANEL VU METER SELECTOR SWITCH TO PERMIT PGM/AUD OUTPUT LEVEL METERING. (PROVIDES FOUR (4) CHANNEL OUTPUT)	\$3,450.00
B-802-S2	INCLUDES STANDARD MODULE CONTENT SHOWN FOR B-802 IN "B-800 SERIES CONSOLE PRICE LIST", PLUS PLUG-IN PROGRAM AMPLIFIER MODULE AND PLUG-IN COMBINING AMPLIFIER STAGE TO PROVIDE CONTINUOUS BALANCED, 600 OHM LINE LEVEL MONAURAL OUTPUT FOR "SIMULCAST" OPERATION. A THIRD, PANEL-MOUNTED, VU METER IS ADDED TO MONITOR MONAURAL OUTPUT. AN INTERNAL TRIM CONTROL PERMITS INDEPENDENT ADJUSTMENT OF MONAURAL OUTPUT LEVEL.	3,400.00
B-803	DUAL CHANNEL, 8-MIXER CONSOLE. COMPLETE WITH FOLLOWING PLUG-IN MODULES: (3) MICROPHONE PREAMPS, (2) BOOSTER AMPS, (2) PROGRAM AMPS, (1) CUE/TALKBACK AMP, (1) 8-WATT MONITOR AMP, (4) HIGH-LEVEL UNBALANCED INPUT, (1) HIGH-LEVEL BALANCED INPUT, (1) POWER SUPPLY REGULATOR, AND (2) MODULE EXTENDER CARDS.	2,650.00

B-800 CONSOLE ACCESSORY PLUG-IN MODULES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
8MP1	MICROPHONE PREAMPLIFIER (551001)	\$ 25.75
8EP1	RIAA EQUALIZED PHONO PREAMPLIFIER (551006)	25.75
8BA1	BOOSTER AMPLIFIER (552004)	25.75
8PG1	PROGRAM AMPLIFIER (552003)	25.00
8MA1	MONITOR AMPLIFIER (552002)	80.00
8QA1	CUE/TALKBACK AMPLIFIER (552001)	60.00
8PS1	POWER SUPPLY REGULATOR (553001)	40.00
8BH1	HIGH-LEVEL BALANCED INPUT (550001)	20.00
8UH1	HIGH-LEVEL UNBALANCED INPUT (550002)	1.50
8XC10	MODULE EXTENDER CARD (10-PIN) (555001)	3.00
8XC15	MODULE EXTENDER CARD (15-PIN) (555005)	5.00
8CA1	COMBINING AMPLIFIER (552055)	20.00

TERMS AND CONDITIONS OF SALE

- 6. **RETURNS:** MERCHANDISE PRODUCED AND SHIPPED IN GOOD FAITH IS NOT RETURNABLE FOR CREDIT. MERCHANDISE MAY BE EXCHANGED IF MC MARTIN INDUSTRIES DETERMINES THAT CIRCUMSTANCES WARRANT SUCH CONCESSION. MERCHANDISE FOR EXCHANGE MUST BE OF CURRENT DESIGN AND IN UNOPENED FACTORY CARTONS AND IS SUBJECT TO A 20 PER CENT RESTOCKING CHARGE, PLUS A \$30.00 RETUNING CHARGE FOR PRODUCTS WITH TUNED RF STAGES.
- 7. **PRODUCT CHANGES:** MC MARTIN RESERVES THE RIGHT WITHOUT ADVANCE NOTICE TO MAKE ENGINEERING AND PRODUCTION CHANGES INCLUDING SUBSTITUTION OF VENDOR SOURCES FOR COMPONENTS WHICH MAY MODIFY THE DESIGN OR SPECIFICATIONS OF ITS BROADCAST PRODUCTS, PROVIDED SAID MODIFICATION WILL NOT MATERIALLY EFFECT THE PERFORMANCE OF THE PRODUCT.
- 8. **GENERAL:**
  - A. THE PREFERRED SHIPPING METHOD SHOULD BE SPECIFIED IN YOUR ORDER. WHEN NOT SPECIFIED, SHIPMENT WILL BE MADE BY A COMMON CARRIER SELECTED BY MC MARTIN. GENERALLY, SHIPMENTS WILL BE MADE WITH TRANSPORTATION CHARGES COLLECTED BY THE CARRIER.
  - B. CLAIMS FOR DAMAGE INCURRED IN TRANSIT MUST BE MADE BY THE CUSTOMER DIRECTLY WITH THE CARRIER, EXCEPT FOR SHIPMENTS HANDLED BY UNITED PARCEL SERVICE (UPS). UPS CLAIMS MUST BE FILED AT THE POINT OF ORIGIN. IN EITHER CASE, MC MARTIN MUST BE IMMEDIATELY NOTIFIED OF DAMAGE DETAILS, DATE, AND MC MARTIN INVOICE NUMBERS INVOLVED.
  - C. IN NO EVENT IS MC MARTIN LIABLE FOR CONSEQUENTIAL DAMAGES RESULTING FROM LATE OR NON-DELIVERY, OR MALFUNCTION OR FAILURE OF ITS BROADCAST PRODUCTS.

# MC MARTIN INDUSTRIES, INCORPORATED

## TERMS AND CONDITIONS OF SALE

### BROADCAST PRODUCTS

1. PRICES: MC MARTIN ENDEAVORS TO KEEP PUBLISHED PRICE LISTS CURRENT AND TO ADVISE CUSTOMERS OF PRICE CHANGES; HOWEVER, ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. PUBLISHED PRICES APPLY TO UNITED STATES SALES AND ARE BASED ON A CASH TRANSACTION, F.O.B., OMAHA, NEBRASKA. NO APPLICABLE FEDERAL, STATE OR LOCAL TAXES ARE INCLUDED.
2. TERMS OF PAYMENT: TERMS OF PAYMENT ARE CASH WITH ORDER. ORDERS ARE ACCEPTED FROM CUSTOMERS WITH AN ESTABLISHED CREDIT RATING WITH FULL PAYMENT DUE WITHIN 30 DAYS OF SHIPPING DATE. THE PROMPT PAYMENT DISCOUNT IS ONE PER CENT 10TH AND 25TH, NET 30. PAYMENTS MADE BEYOND THE 30-DAY PERIOD ARE SUBJECT TO A FINANCE CHARGE OF 1-1/2 PER CENT PER MONTH (EQUIVALENT TO AN ANNUAL PERCENTAGE RATE OF 18 PER CENT). CUSTOMERS WISHING TO ESTABLISH 30-DAY TERMS SHOULD FURNISH TRADE AND BANK REFERENCES AND CURRENT FINANCIAL INFORMATION FOR REVIEW BY MC MARTIN'S CREDIT DEPARTMENT. EQUIPMENT IS AVAILABLE THROUGH A LEASE/PURCHASE OPTION PLAN. CONTACT MC MARTIN'S SALES DEPARTMENT FOR DETAILS.
3. WARRANTY: MC MARTIN BROADCAST PRODUCTS ARE WARRANTED TO BE FREE FROM DEFECTS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR 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 MC MARTIN'S SPECIFIC PRIOR AUTHORIZATION, OR B) IF EQUIPMENT IS OPERATED UNDER ENVIRONMENTAL CONDITIONS OR CIRCUMSTANCES OTHER THAN THOSE SPECIFICALLY DESCRIBED IN MC MARTIN LITERATURE OR INSTRUCTION MANUALS.
4. REPAIR OR REPLACEMENT: IF A BROADCAST PRODUCT FAILS DURING THE APPLICABLE WARRANTY PERIOD, REPLACEMENT OR REPAIR PARTS WILL BE FURNISHED FREE OF CHARGE. ON REQUEST, AND AT THE DISCRETION OF MC MARTIN, THE CUSTOMER MAY BE REQUIRED TO RETURN THE DEFECTIVE PART OR EQUIPMENT TO MC MARTIN, F.O.B., OMAHA, NEBRASKA. PARTS OR EQUIPMENT MAY BE RETURNED ONLY WITH MC MARTIN'S PRIOR AUTHORIZATION AND MUST BE ACCOMPANIED BY RETURN AUTHORIZATION NUMBER ISSUED BY MC MARTIN'S CUSTOMER SERVICE DEPARTMENT. ALL RETURNED MERCHANDISE MUST BE SENT FREIGHT PREPAID AND WITH APPROPRIATE INSURANCE COVERAGE. FULL DETAILS OF THE CIRCUMSTANCES OF THE FAILURE OR MALFUNCTION SHOULD BE INCLUDED TO EXPEDITE REPAIR OR REPLACEMENT. REPAIRED EQUIPMENT WILL BE SHIPPED TO THE CUSTOMER, F.O.B., FACTORY.
5. OUT-OF-WARRANTY SERVICE: MC MARTIN'S LABORATORY AND TECHNICAL SERVICES ARE AVAILABLE FOR THE REPAIR AND/OR RECALIBRATION OF BROADCAST PRODUCTS OPERATED BEYOND THE WARRANTY PERIOD. TIME REQUIRED FOR RECALIBRATION/REPAIR VARIES WITH EQUIPMENT TYPE AND CURRENT PLANT WORK LOAD. CONTACT MC MARTIN'S CUSTOMER SERVICE MANAGER FOR CURRENT REPAIR TIMES AND RECALIBRATION, LABOR AND PARTS RATES. MC MARTIN WARRANTS RECALIBRATION AND PARTS UTILIZED IN THE REPAIR OF EQUIPMENT FOR A PERIOD OF 90 DAYS BEYOND THE SHIPPING DATE OF SAID RECALIBRATION OR REPAIR. PRIOR RETURN AUTHORIZATION IS REQUIRED FOR EQUIPMENT BEING RETURNED FOR RECALIBRATION OR REPAIR AND ALL TRANSPORTATION AND INSURANCE CHARGES TO AND FROM THE FACTORY ARE TO BE PAID BY THE CUSTOMER.

## QUICK REFERENCE TABLE — MCMARTIN PROFESSIONAL AUDIO CONSOLES

<u>FEATURE</u>	<u>ACCU-FIVE</u>	<u>B-500 SERIES</u>	<u>B-800 SERIES</u>
MIXER CHANNELS	5	5	8
INPUTS	13	10	27
MONAURAL CHANNELS	PROGRAM	AUDITION/PROGRAM	AUDITION/PROGRAM
DUAL MONAURAL CHANNELS	NOT AVAILABLE	PROGRAM A/PROGRAM B	PROGRAM A/PROGRAM B
STEREO CHANNELS	NOT AVAILABLE	AUDITION/PROGRAM	AUDITION/PROGRAM
STEREO/MONAURAL CHANNELS	NOT AVAILABLE	NOT AVAILABLE	AUDITION/PROGRAM/ MONAURAL
DUAL STEREO CHANNELS	NOT AVAILABLE	NOT AVAILABLE	PROGRAM/PROGRAM
DUAL STEREO/MONAURAL	NOT AVAILABLE	NOT AVAILABLE	PROGRAM/PROGRAM/ MONAURAL
CUE AMPLIFIER/SPEAKER	PROVIDED	PROVIDED	PROVIDED
CUE INPUT	ALL CHANNELS	ALL CHANNELS	ALL CHANNELS
PROGRAM FREQUENCY	$\pm 1.0$ DB 30-15,000	$\pm 0.5$ DB 30-15,000	$\pm 0.5$ DB 20-20,000
PROGRAM S/N	60 DB BELOW $\pm 18$	72 DB BELOW $\pm 18$	74 DB BELOW $\pm 18$
GAIN	100 $\pm 2$ DBM	100 $\pm 2$ DBM	102 $\pm 2$ DBM
OUTPUT LEVEL	$\pm 8$ FOR OVU; $\pm 18$ MAXIMUM	$\pm 8$ FOR OVU; $\pm 18$ MAXIMUM	$\pm 8$ FOR OVU; $\pm 24$ DBM MAXIMUM
CROSSTALK	BELOW SYSTEM NOISE	BELOW SYSTEM NOISE	BELOW SYSTEM NOISE
MONITOR CHANNEL FREQUENCY	$\pm 1.5$ DB 50-15,000	$\pm 1.0$ DB 30-15,000	$\pm 0.5$ DB 20-20,000
MONITOR AUDIO	4 WATTS RMS	4 WATTS RMS	8 WATTS RMS
MONITOR NOISE	50 DB BELOW 4 WATTS	60 DB BELOW 4 WATTS	70 DB BELOW 8 WATTS
INPUT LEVELS			
	LOW		
	-60 DBM NOMINAL	-60 DBM NOMINAL	-60 DBM NOMINAL
	-35 DBM MAXIMUM	-34 DBM MAXIMUM	-30 DBM MAXIMUM
	HIGH		
	-20 DBM NOMINAL	-15 NOMINAL	-15 DBM NOMINAL
	$\pm 5$ DBM MAXIMUM	$\pm 10$ DBM MAXIMUM	$\pm 10$ DBM MAXIMUM
ATTENUATORS	MOLDED COMPOSITION	MOLDED COMPOSITION; STEP TYPE OPTIONAL	STEP TYPE
TALK BACK AMPLIFIER	PROVIDED	NOT AVAILABLE	PROVIDED
PRINTED CIRCUIT BOARDS	FIX WIRED	PROGRAM/AUDITION CHANNELS PLUG-IN; MONITOR AND CUE AMPS FIX WIRED	ALL PLUG-IN
STANDARD CONFIGURATION	1-MIC (ONE OF 2) 2-MIC (ONE OF 2) 3-HI/LO (ONE OF 2) 4-HI/LO (ONE OF 2) 5-HI/LO (ONE OF 5) 6- 7- 8-	MIC (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2)	MIC (ONE OF 3) MIC (ONE OF 3) MIC (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI BAL (ONE OF 6)
	(ALL INPUTS ON B-500 AND B-800 CONSOLES ARE PLUG-IN AND INTER- CHANGEABLE -- ANY MIXER MAY BE LOW OR HIGH LEVEL BY SELECTION OF PROPER PLUG-IN CARD -- SEE CONSOLE PRICE LIST.)		
INPUT TERMINATION	1 AND 2 CANNON 3 - 5 SCREW TERMINALS	ALL SCREW TERMINALS	ALL SOLDER TYPE
OUTPUT TERMINATION	SCREW TERMINALS	SCREW TERMINALS	ALL SOLDER TYPE
MUTING	ONE RELAY PROVIDED	ONE RELAY PROVIDED; ONE OPTIONAL	FOUR RELAYS PROVIDED
POWER SUPPLY	120/220VAC, 50-60 HZ	120/220VAC, 50-60 HZ	120/220VAC, 50-60 HZ
SIZE	19"W, 3.50"H, 10"D	27"W, 7"H, 16"D	44.75"W, 9.75"H, 18.25"D



**MC MARTIN INDUSTRIES, INC.**  
**CHANGES TO BROADCAST PRICE LIST**

ADD TO PAGE B-72-AC1:

OPTIONAL STEP ATTENUATORS FOR FIVE (5) MIXERS ON B-500 SERIES CONSOLES:

B-501 AND B-503 (MONAURAL)	ADD: \$225.00
B-502 (STEREO)	ADD: \$350.00

ALLOW 30 TO 45 DAYS DELIVERY.

ADD TO PAGE B-72-AC3:

B-802-S3	B-802 STEREO CONSOLE PLUS FEATURES OF S1 AND S2 MODELS.	\$3,850.00
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ALLOW 30 TO 45 DAYS DELIVERY.

DELETE FROM PAGE B-72-M1:

TBM-0380 (REPLACED BY STE-1 IN TBM-1000B)

TBM-3500A (REPLACED BY TBM-3700 OR TBM-4500A)

ADD TO PAGE B-72-M3:

TBM-8800	AM-RF AMPLIFIER WITH AGC (AVAILABLE MARCH 1973)	\$485.00
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B-500 CONSOLE ACCESSORY PLUG-IN MODULES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
<u>PLUG-IN CARDS</u>		
5MP1	MICROPHONE PREAMPLIFIER (B-501 AND B-503) (551010)	\$ 22.00
5MP2	DUAL MIC PREAMP (B-502) (551011)	43.50
5BA1	BOOSTER AMP (B-501 AND B-503) (552021)	12.00
5BA2	DUAL BOOSTER AMP (B-502) (552010)	16.00
5PG1	PROGRAM AMP (B-501 AND B-503) (552011)	15.00
5PG2	DUAL PROGRAM AMP (B-502) (552012)	23.00
5BH1	HIGH LEVEL BALANCED (B-501 AND B-503) (552013)	19.50
5BH2	DUAL HIGH LEVEL BALANCED (B-502) (552014)	37.50
5PS1	POWER SUPPLY REGULATOR (ALL MODELS) (553007)	16.00
5EP1	RIAA EQUALIZED PHONO PREAMPLIFIER (B-501 AND B-503) (551020)	22.00
5EP2	DUAL RIAA EQUALIZED PHONO PREAMPLIFIER (B-502) (551021)	43.50
<u>FIXED CARDS</u>		
5QA1	CUE AMPLIFIER (ALL MODELS) (552015)	18.00
5MA1	MONITOR AMPLIFIER (ALL MODELS) (552016)	23.00
<u>OPTIONAL</u>		
5RY1	SPEAKER MUTING RELAY (ALL MODELS) (550022)	10.00

B-800 8-MIXER AUDIO CONSOLES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
B-801	MONAURAL, 8-MIXER CONSOLE. COMPLETE WITH FOLLOWING PLUG-IN MODULES: (3) MICROPHONE PREAMPS, (2) BOOSTER AMPS, (1) PROGRAM AMP, (1) CUE/TALKBACK AMP, (1) 8-WATT MONITOR AMP, (4) HIGH-LEVEL UNBALANCED INPUT, (1) HIGH-LEVEL BALANCED INPUT, (1) POWER SUPPLY REGULATOR, AND (2) MODULE EXTENDER CARDS.	\$2,350.00
B-802	STEREO, 8-MIXER CONSOLE. COMPLETE WITH FOLLOWING PLUG-IN MODULES: (6) MICROPHONE PREAMPS, (4) BOOSTER AMPS, (2) PROGRAM AMPS, (1) CUE/TALKBACK AMP, (2) 8-WATT MONITOR AMPS, (8) HIGH-LEVEL UNBALANCED INPUT, (2) HIGH-LEVEL BALANCED INPUT, (1) POWER SUPPLY REGULATOR, AND (2) MODULE EXTENDER CARDS.	3,200.00

## MC MARTIN INDUSTRIES, INCORPORATED

## BROADCAST EQUIPMENT PRICE LIST

B-500 AND ACCU-FIVE 5-MIXER AUDIO CONSOLES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
B-501	MONAURAL, 5-MIXER CONSOLE. COMPLETE WITH (1) CUE AMPLIFIER, (1) MONITOR AMPLIFIER AND FOLLOWING PLUG-IN CARDS: (1) MIC PREAMP, (4) HI-BAL CARDS, (2) BOOSTER AMPS, (1) PROGRAM AMP AND (1) POWER SUPPLY REGULATOR. INCLUDES (1) SPEAKER MUTING RELAY.	\$ 750.00
B-502	STEREO, 5-MIXER CONSOLE. COMPLETE WITH (1) CUE AMPLIFIER, (2) MONITOR AMPLIFIERS AND FOLLOWING PLUG-IN CARDS: (1) DUAL MIC PREAMP, (4) DUAL HI-BAL CARDS, (1) DUAL BOOSTER AMP, (1) DUAL PROGRAM AMP AND (1) POWER SUPPLY REGULATOR. INCLUDES (1) SPEAKER MUTING RELAY.	1,050.00
B-503	DUAL CHANNEL, 5-MIXER CONSOLE. COMPLETE WITH (1) CUE AMP, (1) MONITOR AMP AND FOLLOWING PLUG-IN CARDS: (1) MIC PREAMP, (4) HI-BAL CARDS, (2) BOOSTER AMPS, (2) POWER AMPS AND (1) POWER SUPPLY REGULATOR. INCLUDES (1) SPEAKER MUTING RELAY.	950.00
<u>B-500 ATTENUATOR WARRANTY</u>		
MC MARTIN B-500 SERIES CONSOLES USE ALLEN BRADLEY MOLDED COMPOSITION TRIPLE WIPER ATTENUATORS WHICH TYPICALLY WILL OPERATE IN EXCESS OF FIVE (5) MILLION TIMES WITHOUT DEGRADATION OF ELECTRICAL OR MECHANICAL SPECIFICATIONS. THE CONTROLS ARE GUARANTEED FOR A PERIOD OF FIVE (5) YEARS FROM THE DATE OF DELIVERY AND WILL BE REPLACED FREE OF CHARGE. REPLACEMENTS WILL BE SENT BY RETURN MAIL AT NO CHARGE. PLEASE SEND THE CONSOLE SERIAL NUMBER, MODEL NUMBER AND REQUIRED NUMBER OF CONTROLS.		
ACCU-FIVE	FIVE INPUT RACK MOUNT REMOTE AND CATV MIXER - COMPLETE	495.00

## FIVE MIXER AUDIO CENTRAL CONTROL UNIT

## ACCU-FIVE



**FULL PROGRAM, MONITOR & CUE FACILITIES  
ACCOMMODATES UP TO 13 MICROPHONE INPUTS  
HIGH/LOW LEVEL INPUT SWITCHING ON 3 CHANNELS**

**ALL INPUTS TRANSFORMER ISOLATED  
COMPLETELY SILICON SOLID STATE  
CUE/TALKBACK CAPABILITY**

### DESCRIPTION

The McMartin "Accu-Five" five channel mini-console is completely self-contained in a 3½-inch rack-mount unit.

Mixers 1 and 2 are designed to control low level microphone inputs with panel selection of two sources per channel. Loudspeaker muting associated with channel switching for these two mixers is provided.

Mixers 3 and 4 may accommodate either microphone or high level (as from tape devices, turntables, etc.) inputs by means of rear chassis switching. Mixer 5 accommodates five similar type inputs through pre-select pushbutton selection.

All input sources may be previewed by cue bus switching for each channel without disturbing the mixer control positions. A panel mounted cue speaker is driven by the internal cue amplifier. The latter also performs a second function. It serves as a talkback amplifier, permitting communication between the control room and studio. Provision is made for headphone monitoring of program or cue material. When the latter function is used, the cue speaker is muted.

The "Accu-Five", in spite of its compactness, retains truly professional operating parameters. Program output capability is +18dBm with ±1.0dB response and 0.5% or lower harmonic distortion, 30-15000Hz.

The monitor amplifier delivers 4.0 watts rms into an 8-ohm load with ±1.5dB response and 1.0% or less THD at full output, 50-15000Hz.

XL type microphone connectors are used for one each of the two microphone-level inputs to Mixers 1 & 2. All remaining input and output connections are made to screw-type terminals on the rear of the unit.

An illuminated VU meter calibrated for zero-VU deflection when +8dBm appears at the program channel output terminals, permits visual monitoring of the program material.

The "Accu-Five" is ideally suited for broadcast remote or production applications, educational broadcast or training purposes or as the audio complement to closed circuit TV operations.



## SPECIFICATIONS

### PROGRAM CHANNEL

Frequency response: .....  $\pm 1.0\text{dB}$ , 30-15,000 Hz

Harmonic distortion: ..... 0.5% or less, 30-15,000Hz @ +18 dBm output and -50dBm signal to any low-level input

S/N ratio: ..... 60dB below +8dBm output produced by -50dBm signal to any low-level input

Overall gain: ..... 100,  $\pm 2\text{dB}$

Input impedances: ..... Low level mode: 150-ohms, balanced  
High level mode; 600-ohms, balanced

Input levels: ..... Low level mode: -60dBm nom;  
-35dBm max.  
High level mode: -20dBm nom;  
+5dBm max.

Output: ..... 600-ohms balanced (transformer isolated) +8dBm nom; +18dBm max.

### CROSSTALK

(Cue to Program Channels): ..... Below system noise

### MONITOR CHANNEL:

Frequency response: .....  $\pm 1.5\text{dB}$ , 50-15,000 Hz

Harmonic distortion: ..... 1.0% or less, 50-15,000 Hz @ full output

Output level: ..... 4 watts, rms

Output impedance: ..... 8 ohms, unbalanced

### GENERAL:

Power requirements: ..... 115/230V AC, 50/60 Hz, 30 watts

Dimensions: ..... (W) EIA Standard 19" rack mount,  
(H) 3½", (D) 10" overall

Weight: ..... 12 pounds

Finish: ..... McMartin Beige



## FIVE MIXER AUDIO CONTROL CONSOLE

monaural B-501  
 stereo B-502  
 dual channel B-503



### DESCRIPTION

The McMartin B-500, 5-mixer consoles are designed for production and subcontrol room applications, or as the main control unit for smaller operations. Three models are available, the B-501 for monaural operation, the B-502 for stereo applications, and the B-503 for dual channel requirements.

A total of ten inputs, two per mixing channel are available. The standard configuration assigns low level microphone inputs to Mixer 1. The remaining four mixers accommodate balanced high-level inputs. Since all program circuits are on plug-in cards, full flexibility in mixer function assignments is possible by simple interchange of input module cards. Relay

control of speaker muting/warning light operation at a second location is possible. Spare contacts on the channel lever key switches and preselect input push-buttons permit extension of muting logic to all channels, if desired.

Each model represents a complete self-contained system with full program, audition, cue and monitoring capability. All external connections are made to barrier-type screw terminals on the rear of the cabinet.

The B-500 Series Consoles are finished in beige and black with wood-grain finish end panels.

### SPECIFICATIONS

#### PROGRAM CHANNEL(S):

Frequency response	..... ±0.5 dB, 30-15,000 Hz
Harmonic distortion	..... 0.5% or less, 30-15,000 Hz @ +18 dBm output
S/N ratio	..... 72 dB or greater below +18 dBm output
Overall gain	..... 100, ±2, dB
Output level	..... +8 dBm for 0 VU meter reading, +18 dBm capability
Input level	..... Microphone channels: -60 dBm nom., -34 dBm max. High level channels: -15 dBm nom., +10 dBm max.
Impedances	..... Mic channels, 150 ohms balanced; High level channels, 600 ohms, balanced; Audition bus, 2500 ohms unbalanced; Program line output(s); 600 ohms balanced

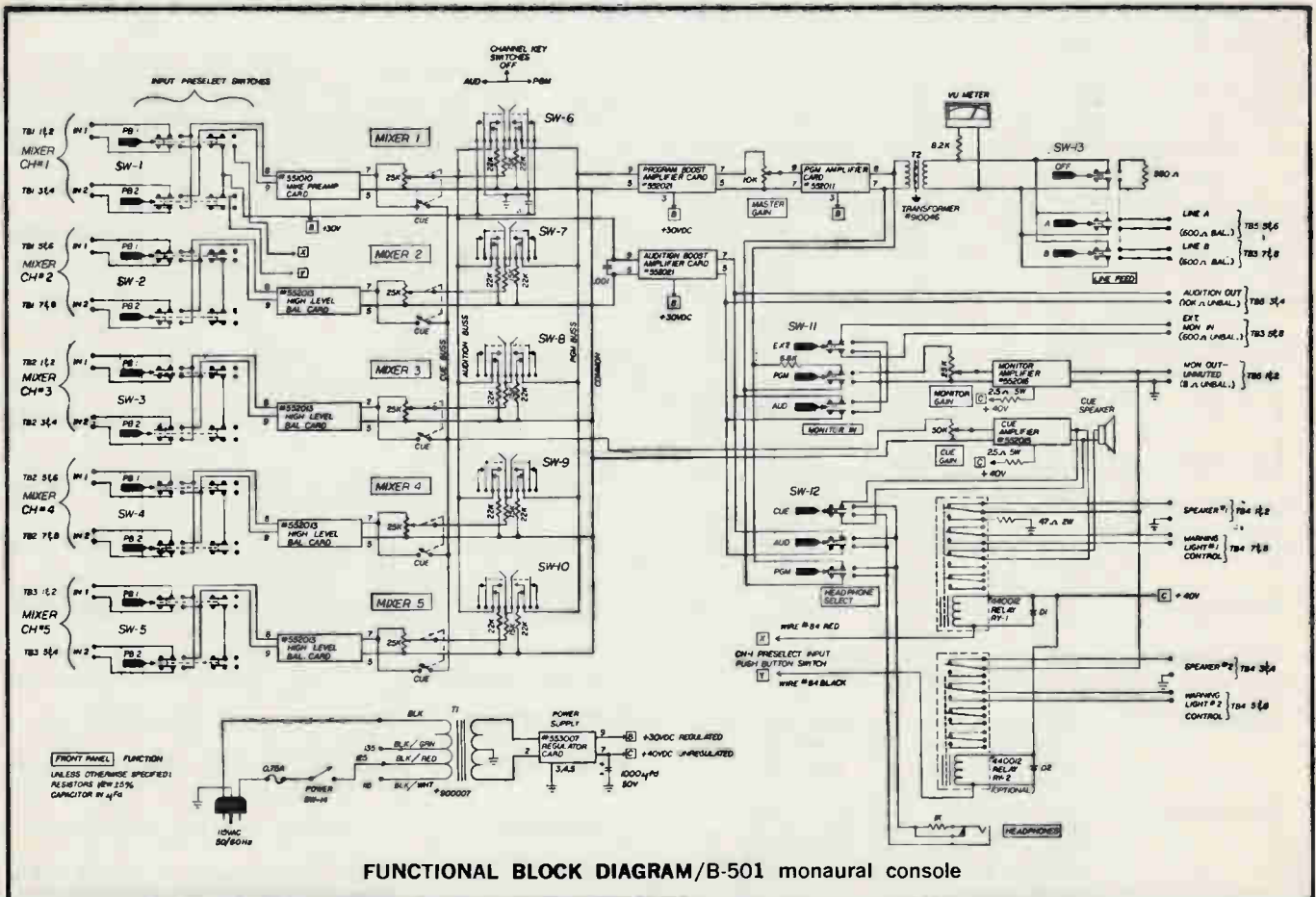
#### MONITOR CHANNEL(S):

Frequency response:	..... ±1.0 dB, 30-15,000 Hz
Harmonic distortion	..... 1.0% or less, 30-15,000 Hz @ 4 watts rms output
S/N ratio	..... 60 dB below 4 watts rms output (fed through program input).
Output level	..... 4 watts rms continuous; 8 watts, normal program content
Output impedance	..... 8 ohms, unbalanced
TERMINATIONS	..... Barrier-type screw terminals at rear
POWER SUPPLY	..... 115 VAC, 50/60 Hz (230 VAC on special order).
DIMENSIONS	..... 27" width x 7" height x 16" depth
FINISH	..... Beige, matte black in control knob area, wood grain end panel trim

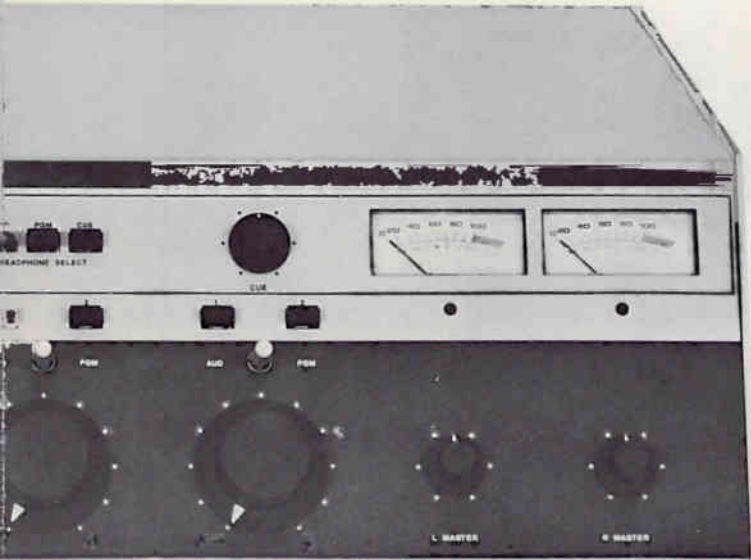




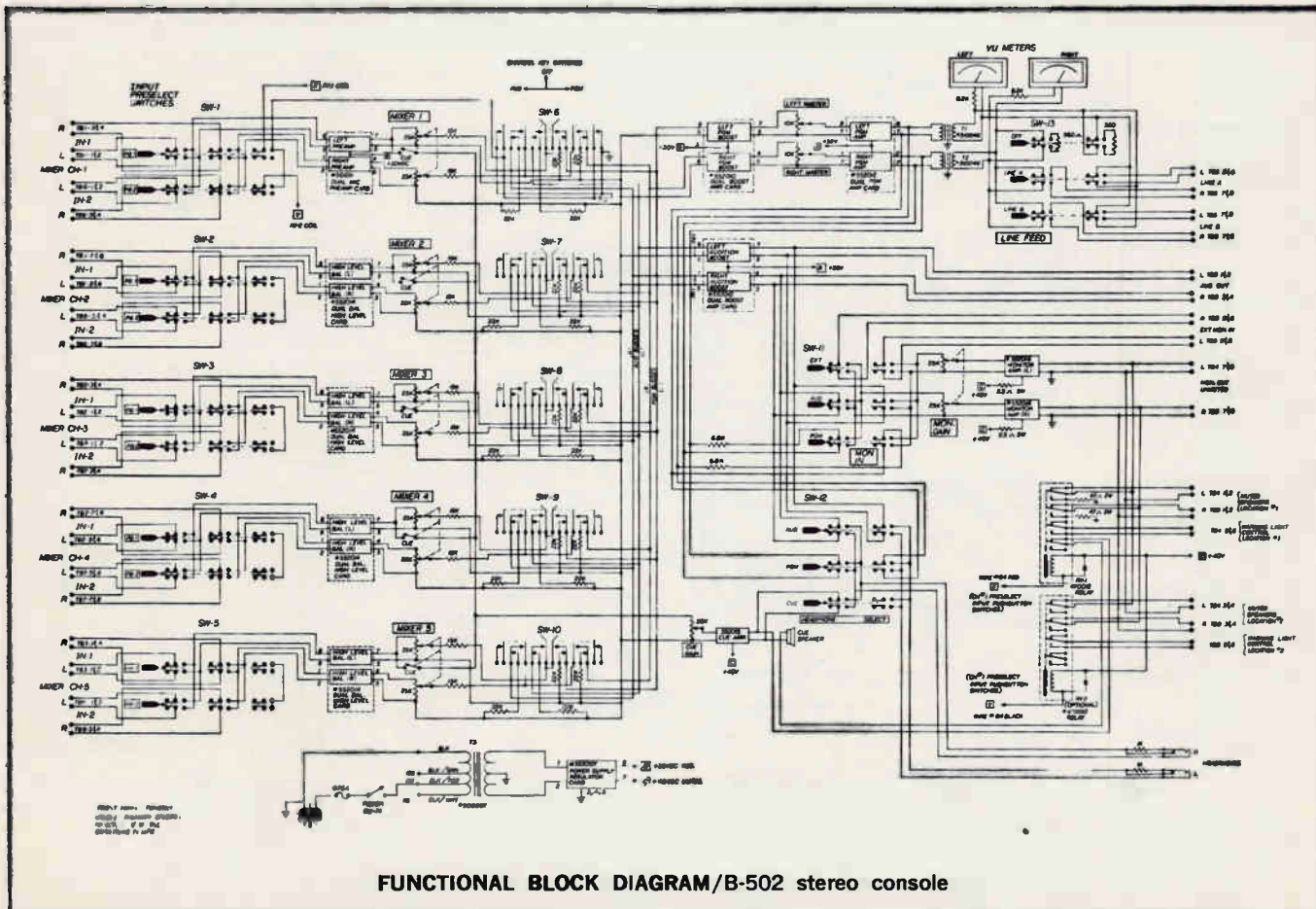
FRONT VIEW/B-



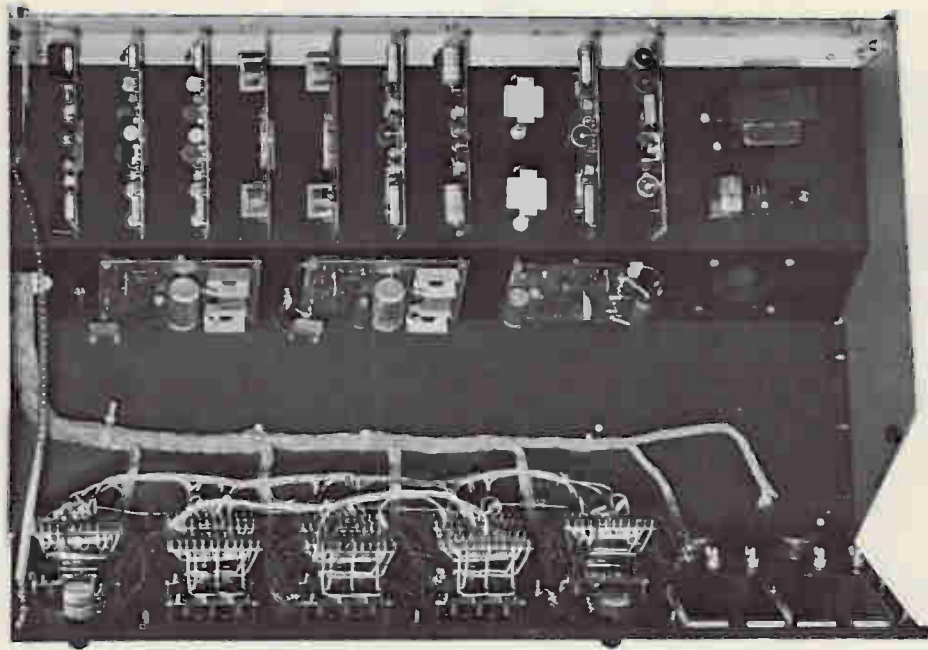
FUNCTIONAL BLOCK DIAGRAM/B-501 monaural console



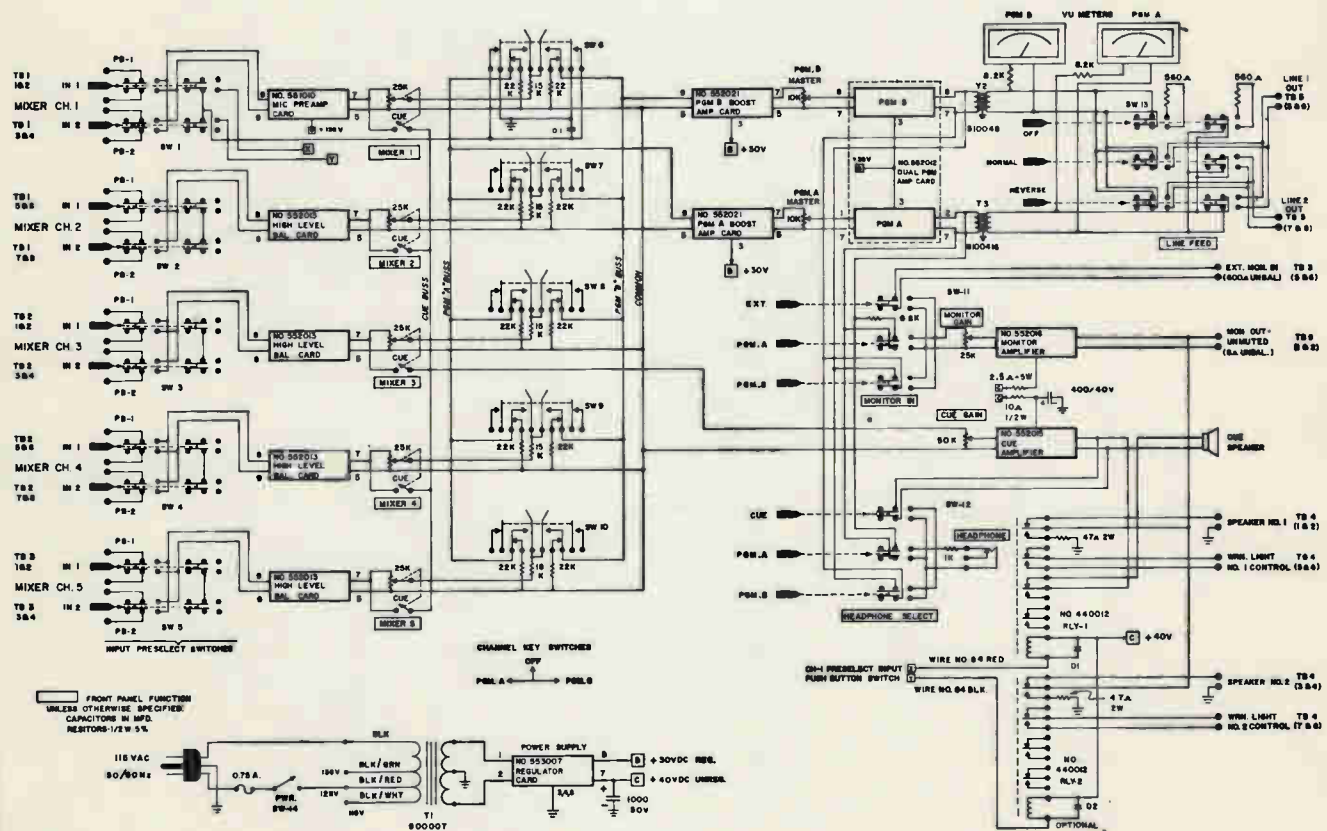
B-502 stereo console



FUNCTIONAL BLOCK DIAGRAM/B-502 stereo console



OPEN VIEW/B-502 stereo console



FUNCTIONAL BLOCK DIAGRAM/B-503 dual channel console



## FIVE MIXER AUDIO CENTRAL CONTROL UNIT

## ACCU-FIVE



**FULL PROGRAM, MONITOR & CUE FACILITIES  
ACCOMMODATES UP TO 13 MICROPHONE INPUTS  
HIGH/LOW LEVEL INPUT SWITCHING ON 3 CHANNELS**

**ALL INPUTS TRANSFORMER ISOLATED  
COMPLETELY SILICON SOLID STATE  
CUE/TALKBACK CAPABILITY**

### DESCRIPTION

The McMartin "Accu-Five" five channel mini-console is completely self-contained in a 3½-inch rack-mount unit.

Mixers 1 and 2 are designed to control low level microphone inputs with panel selection of two sources per channel. Loudspeaker muting associated with channel switching for these two mixers is provided.

Mixers 3 and 4 may accommodate either microphone or high level (as from tape devices, turntables, etc.) inputs by means of rear chassis switching. Mixer 5 accommodates five similar type inputs through pre-select pushbutton selection.

All input sources may be previewed by cue bus switching for each channel without disturbing the mixer control positions. A panel mounted cue speaker is driven by the internal cue amplifier. The latter also performs a second function. It serves as a talkback amplifier, permitting communication between the control room and studio. Provision is made for headphone monitoring of program or cue material. When the latter function is used, the cue speaker is muted.

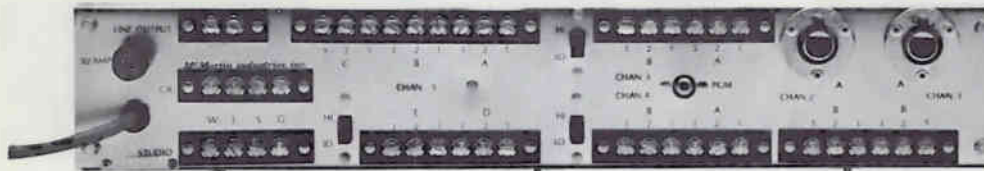
The "Accu-Five", in spite of its compactness, retains truly professional operating parameters. Program output capability is +18dBm with ±1.0dB response and 0.5% or lower harmonic distortion, 30-15000Hz.

The monitor amplifier delivers 4.0 watts rms into an 8-ohm load with ±1.5dB response and 1.0% or less THD at full output, 50-15000Hz.

XL type microphone connectors are used for one each of the two microphone-level inputs to Mixers 1 & 2. All remaining input and output connections are made to screw-type terminals on the rear of the unit.

An illuminated VU meter calibrated for zero-VU deflection when +8dBm appears at the program channel output terminals, permits visual monitoring of the program material.

The "Accu-Five" is ideally suited for broadcast remote or production applications, educational broadcast or training purposes or as the audio complement to closed circuit TV operations.



## SPECIFICATIONS

### PROGRAM CHANNEL

Frequency response: .....  $\pm 1.0\text{dB}$ , 30-15,000 Hz

Harmonic distortion: ..... 0.5% or less, 30-15,000Hz @ +18 dBm output and -50dBm signal to any low-level input

S/N ratio: ..... 60dB below +8dBm output produced by -50dBm signal to any low-level input

Overall gain: ..... 100,  $\pm 2\text{dB}$

Input impedances: ..... Low level mode: 150-ohms, balanced  
High level mode; 600-ohms, balanced

Input levels: ..... Low level mode: -60dBm nom;  
-35dBm max.  
High level mode: -20dBm nom;  
+5dBm max.

Output: ..... 600-ohms balanced (transformer isolated) +8dBm nom; +18dBm max.

### CROSTALK

(Cue to Program Channels): ..... Below system noise

### MONITOR CHANNEL:

Frequency response: .....  $\pm 1.5\text{dB}$ , 50-15,000 Hz

Harmonic distortion: ..... 1.0% or less, 50-15,000 Hz @ full output

Output level: ..... 4 watts, rms

Output impedance: ..... 8 ohms, unbalanced

### GENERAL:

Power requirements: ..... 115/230V AC, 50/60 Hz, 30 watts

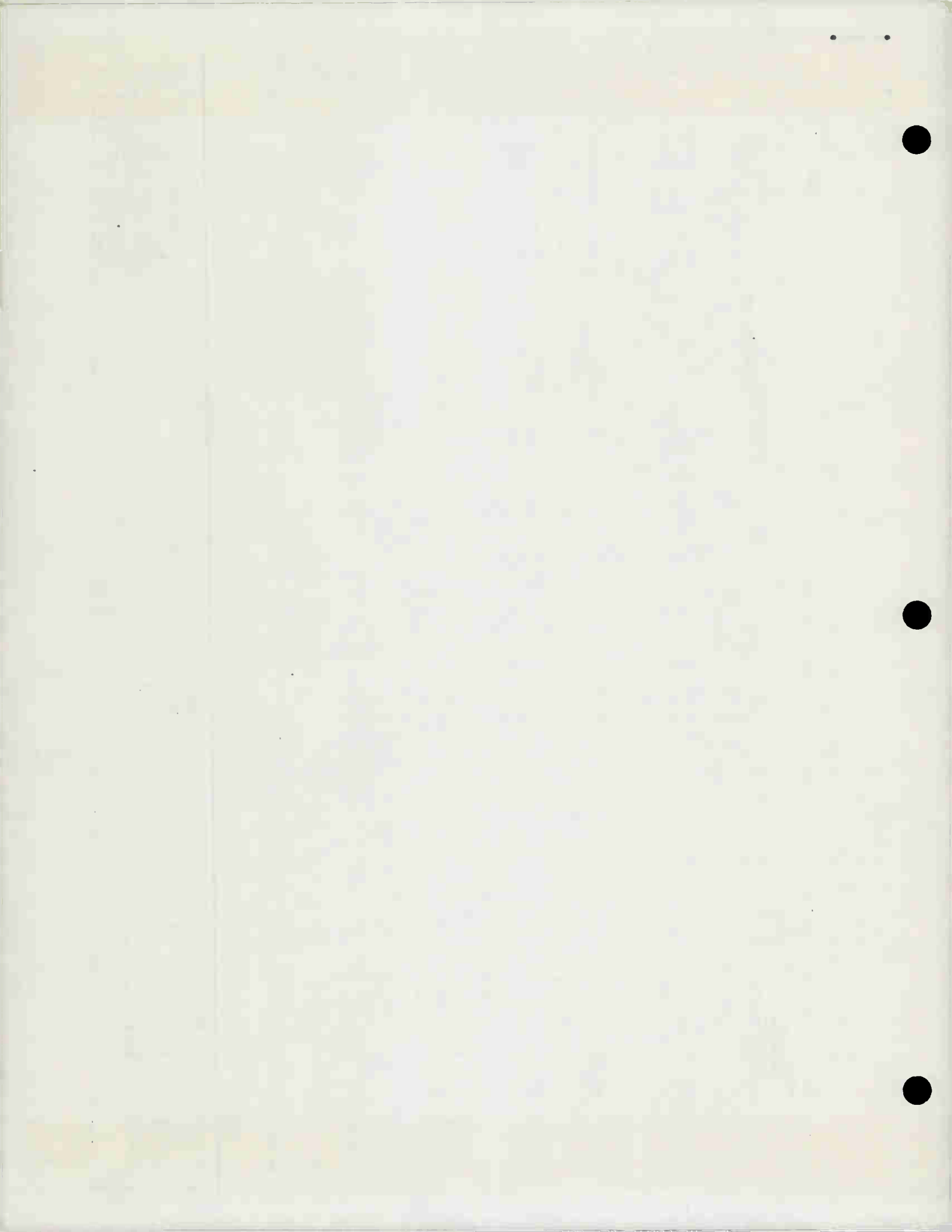
Dimensions: ..... (W) EIA Standard 19" rack mount,  
(H) 3½", (D) 10" overall

Weight: ..... 12 pounds

Finish: ..... McMartin Beige







## FIVE MIXER AUDIO CONTROL CONSOLE

monaural B-501  
 stereo B-502  
 dual channel B-503



### DESCRIPTION

The McMartin B-500, 5-mixer consoles are designed for production and subcontrol room applications, or as the main control unit for smaller operations. Three models are available, the B-501 for monaural operation, the B-502 for stereo applications, and the B-503 for dual channel requirements.

A total of ten inputs, two per mixing channel are available. The standard configuration assigns low level microphone inputs to Mixer 1. The remaining four mixers accommodate balanced high-level inputs. Since all program circuits are on plug-in cards, full flexibility in mixer function assignments is possible by simple interchange of input module cards. Relay

control of speaker muting/warning light operation at a second location is possible. Spare contacts on the channel lever key switches and preselect input push-buttons permit extension of muting logic to all channels, if desired.

Each model represents a complete self-contained system with full program, audition, cue and monitoring capability. All external connections are made to barrier-type screw terminals on the rear of the cabinet.

The B-500 Series Consoles are finished in beige and black with wood-grain finish end panels.

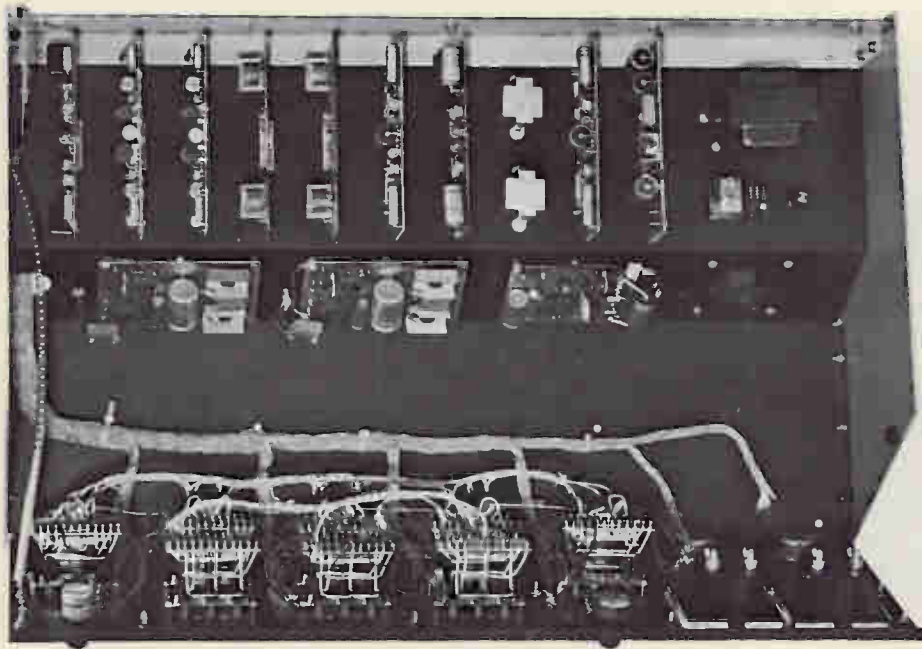
### SPECIFICATIONS

#### PROGRAM CHANNEL(S):

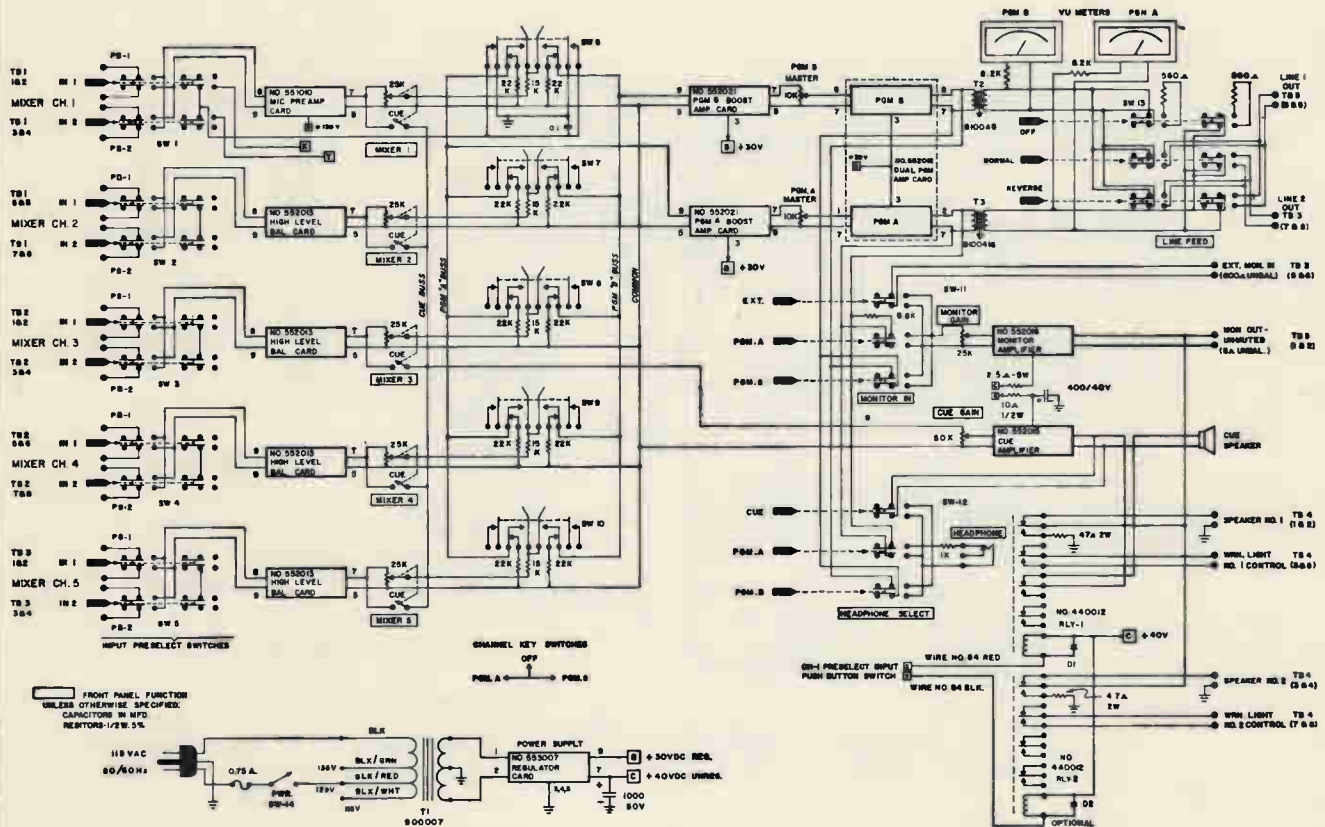
Frequency response	..... ±0.5 dB, 30-15,000 Hz
Harmonic distortion	..... 0.5% or less, 30-15,000 Hz @ +18 dBm output
S/N ratio	..... 72 dB or greater below +18 dBm output
Overall gain	..... 100, ±2, dB
Output level	..... +8 dBm for 0 VU meter reading, +18 dBm capability
Input level	..... Microphone channels: -60 dBm nom., -34 dBm max. High level channels: -15 dBm nom., +10 dBm max.
Impedances	..... Mic channels, 150 ohms balanced; High level channels, 600 ohms, balanced; Audition bus, 2500 ohms unbalanced; Program line output(s); 600 ohms balanced

#### MONITOR CHANNEL(S):

Frequency response	..... ±1.0 dB, 30-15,000 Hz
Harmonic distortion	..... 1.0% or less, 30-15,000 Hz @ 4 watts rms output
S/N ratio	..... 60 dB below 4 watts rms output (fed through program input).
Output level	..... 4 watts rms continuous; 8 watts, normal program content
Output Impedance	..... 8 ohms, unbalanced
TERMINATIONS	..... Barrier-type screw terminals at rear
POWER SUPPLY	..... 115 VAC, 50/60 Hz (230 VAC on special order).
DIMENSIONS	..... 27" width x 7" height x 16" depth
FINISH	..... Beige, matte black in control knob area, wood grain end panel trim



OPEN VIEW/B-502 stereo console



FUNCTIONAL BLOCK DIAGRAM/B-503 dual channel console



## FIVE MIXER AUDIO CONTROL CONSOLE

monaural B-501  
 stereo B-502  
 dual channel B-503



### DESCRIPTION

The McMartin B-500, 5-mixer consoles are designed for production and subcontrol room applications, or as the main control unit for smaller operations. Three models are available, the B-501 for monaural operation, the B-502 for stereo applications, and the B-503 for dual channel requirements.

A total of ten inputs, two per mixing channel are available. The standard configuration assigns low level microphone inputs to Mixer 1. The remaining four mixers accommodate balanced high-level inputs. Since all program circuits are on plug-in cards, full flexibility in mixer function assignments is possible by simple interchange of input module cards. Relay

control of speaker muting/warning light operation at a second location is possible. Spare contacts on the channel lever key switches and preselect input push-buttons permit extension of muting logic to all channels, if desired.

Each model represents a complete self-contained system with full program, audition, cue and monitoring capability. All external connections are made to barrier-type screw terminals on the rear of the cabinet.

The B-500 Series Consoles are finished in beige and black with wood-grain finish end panels.

### SPECIFICATIONS

#### PROGRAM CHANNEL(S):

Frequency response	..... ±0.5 dB, 30-15,000 Hz
Harmonic distortion	..... 0.5% or less, 30-15,000 Hz @ +18 dBm output
S/N ratio	..... 72 dB or greater below +18 dBm output
Overall gain	..... 100, ±2, dB
Output level	..... +8 dBm for 0 VU meter reading. +18 dBm capability
Input level	..... Microphone channels: -60 dBm nom., -34 dBm max. High level channels: -15 dBm nom., +10 dBm max.
Impedances	..... Mic channels, 150 ohms balanced; High level channels, 600 ohms, balanced; Audition bus, 2500 ohms unbalanced; Program line output(s); 600 ohms balanced

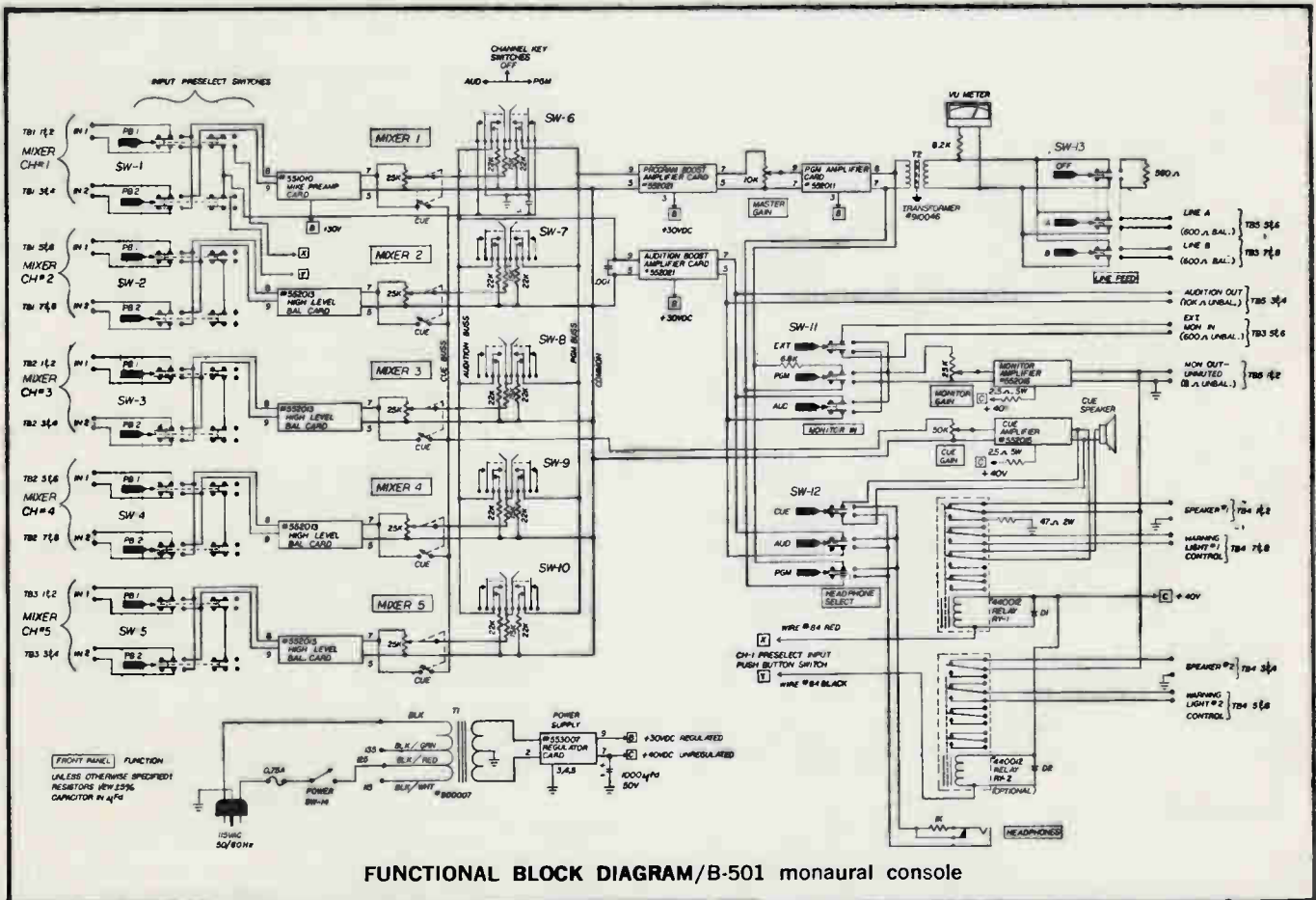
#### MONITOR CHANNEL(S):

Frequency response:	..... ±1.0 dB, 30-15,000 Hz
Harmonic distortion	..... 1.0% or less, 30-15,000 Hz @ 4 watts rms output
S/N ratio	..... 60 dB below 4 watts rms output (fed through program input).
Output level	..... 4 watts rms continuous; 8 watts, normal program content
Output impedance	..... 8 ohms, unbalanced
TERMINATIONS	..... Barrier-type screw terminals at rear
POWER SUPPLY	..... 115 VAC, 50/60 Hz (230 VAC on special order).
DIMENSIONS	..... 27" width x 7" height x 16" depth
FINISH	..... Beige, matte black in control knob area, wood grain end panel trim

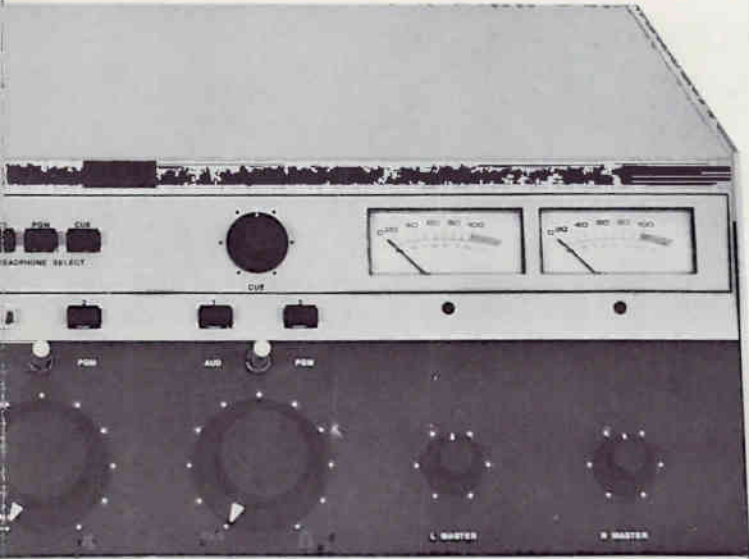




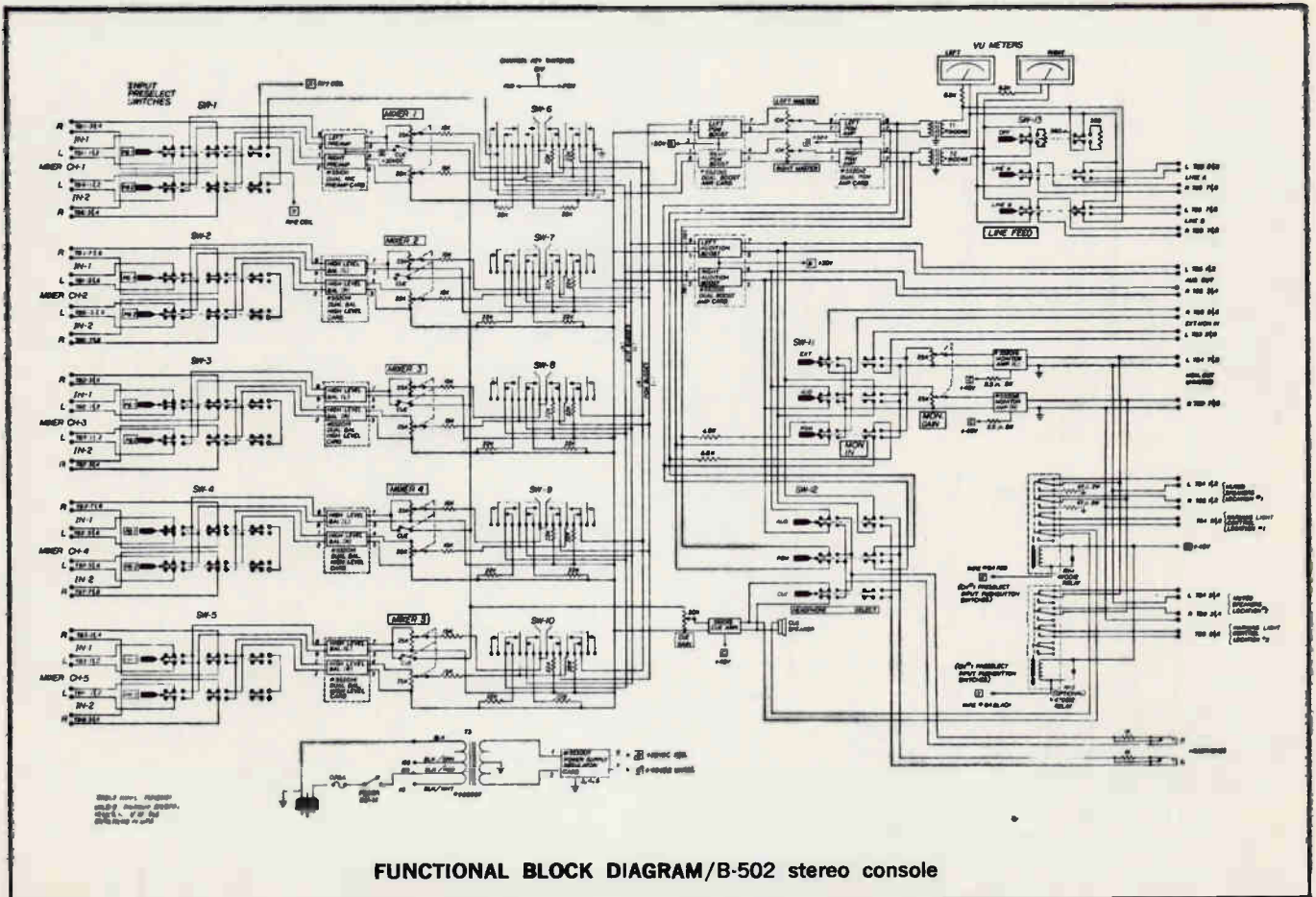
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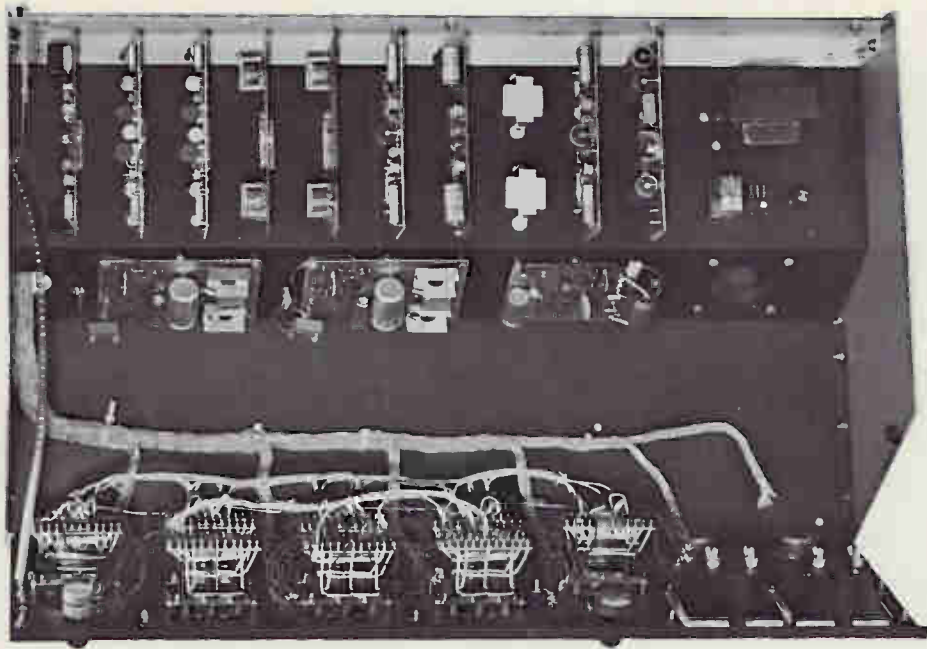


FUNCTIONAL BLOCK DIAGRAM/B-501 monaural console

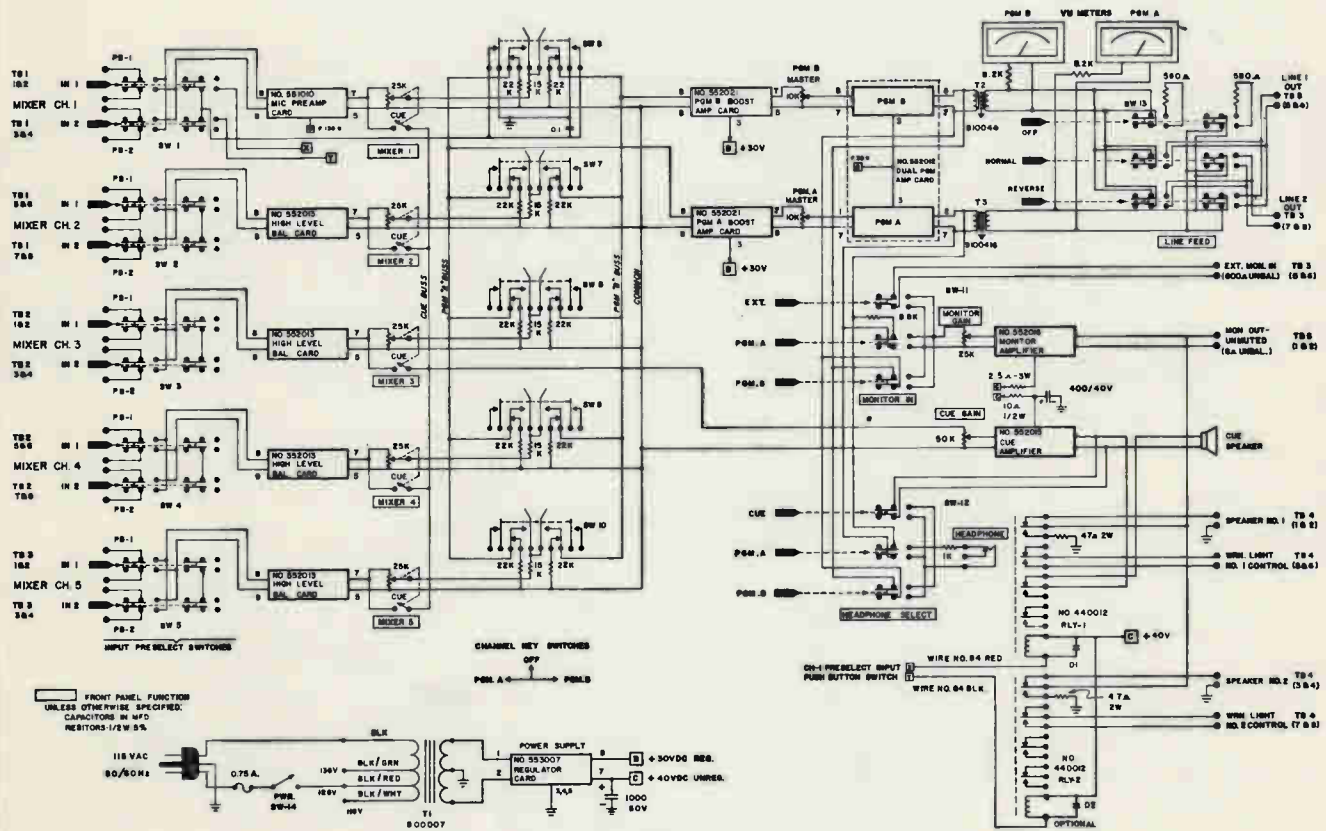


B-502 stereo console





OPEN VIEW/B-502 stereo console



FUNCTIONAL BLOCK DIAGRAM/B-503 dual channel console



## "8" MIXER AUDIO CONTROL CONSOLES

monaural B-801  
stereo B-802  
dual mono B-803  
dual stereo B-802-S1  
stereo mono B-802-S2



### DESCRIPTION

Featuring plug-in modular design of all amplifiers and input channel devices for complete operational flexibility, the new McMartin audio consoles provide pushbutton selection of twenty-seven input sources controllable through eight mixing channels.

Standard models are the B-801 monaural, the B-803 dual-channel mono, the B-802 stereo, the B-802-S1 dual-channel stereo and the B-802-S2 stereo/mono "simulcast" version. All models are housed in identical cabinetry.

In their standard configurations, the first three mixing channels are equipped with low-level microphone preamplifiers. Mixers #4 through #7 accommodate high-level unbalanced input sources and Mixer #8 is a high level balanced input for network, auxiliary and four remote line input application. The B-802 models are equipped with module complement to deliver full stereo capability in both the program and monitor channels, throughout the entire console system.

All eight mixing channel module connectors are pre-wired to permit use of microphone or high level modules in any of the input channels. Spare switch contacts have been incorporated to permit extension

of speaker muting and warning light control logic to all eight inputs.

High-quality step-type attenuators with cue switches are used in all mixing channels. Complete cueing of all eight mixer inputs, with built-in panel speaker, is provided.

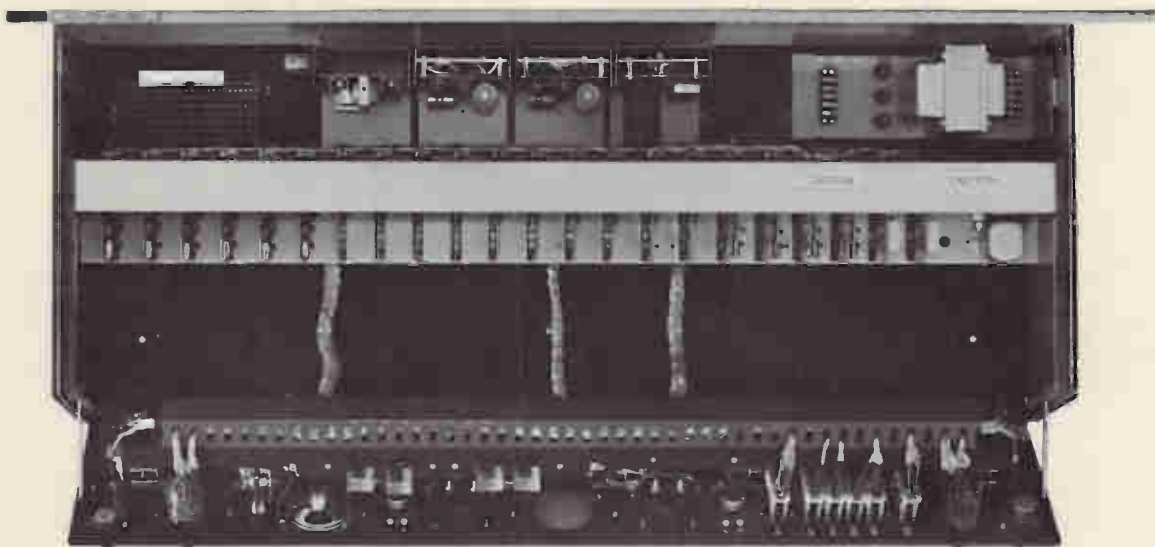
Monitor amplifier modules provide 8-watt rms output level for studio and house monitor speakers.

All models are equipped with selective intercom between the operating position and each of three studios or four remote lines plus a general paging location.

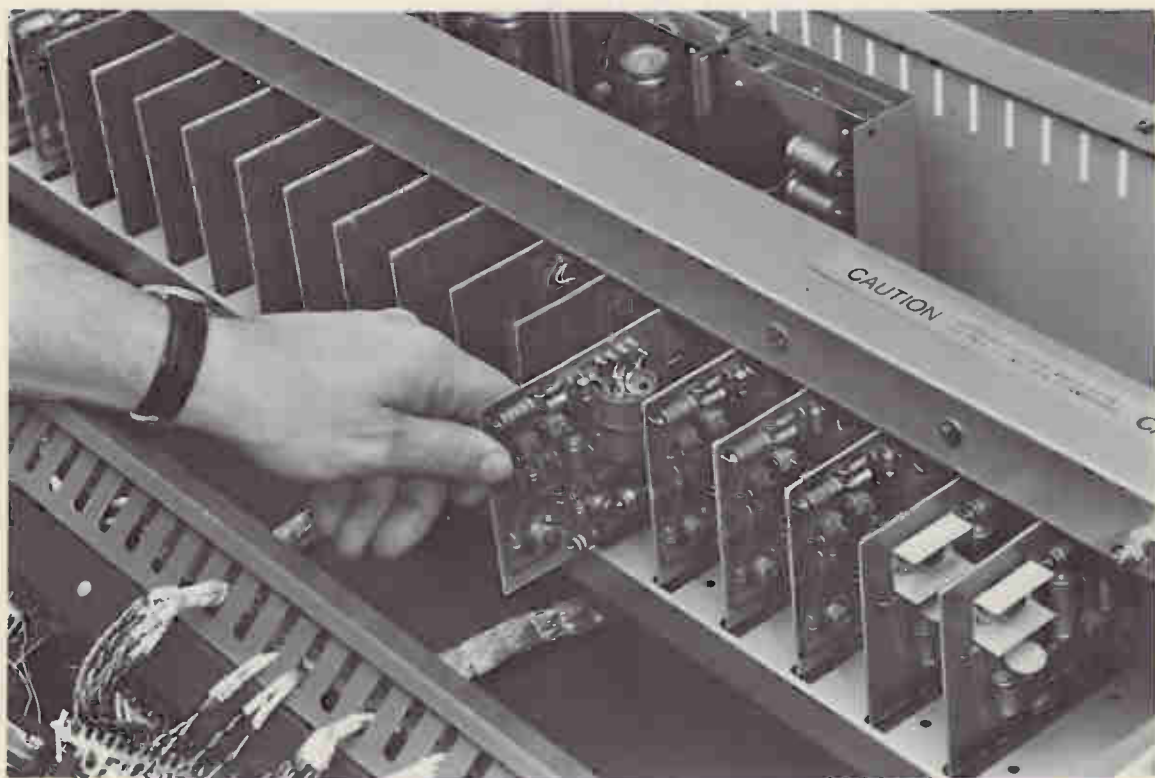
All solid-state devices are operated at conservative ratings and only highest grade components are used. Close attention has been paid to human engineering design with switches and controls positioned for logical, error-free operation.

The B-800 Series is handsomely styled and completely self-contained. With the interconnection of power source and external device cabling, these consoles are ready to deliver many years of highly-professional, reliable service.





OPEN VIEW/B-802 stereo console



TYPICAL PLUG-IN CAPABILITY/B-800 series

## "8" MIXER AUDIO CONTROL CONSOLES

monaural B-801  
stereo B-802  
dual mono B-803  
dual stereo B-802-S1  
stereo mono B-802-S2



### DESCRIPTION

Featuring plug-in modular design of all amplifiers and input channel devices for complete operational flexibility, the new McMartin audio consoles provide pushbutton selection of twenty-seven input sources controllable through eight mixing channels.

Standard models are the B-801 monaural, the B-803 dual-channel mono, the B-802 stereo, the B-802-S1 dual-channel stereo and the B-802-S2 stereo/mono "simulcast" version. All models are housed in identical cabinetry.

In their standard configurations, the first three mixing channels are equipped with low-level microphone preamplifiers. Mixers #4 through #7 accommodate high-level unbalanced input sources and Mixer #8 is a high level balanced input for network, auxiliary and four remote line input application. The B-802 models are equipped with module complement to deliver full stereo capability in both the program and monitor channels, throughout the entire console system.

All eight mixing channel module connectors are pre-wired to permit use of microphone or high level modules in any of the input channels. Spare switch contacts have been incorporated to permit extension

of speaker muting and warning light control logic to all eight inputs.

High-quality step-type attenuators with cue switches are used in all mixing channels. Complete cueing of all eight mixer inputs, with built-in panel speaker, is provided.

Monitor amplifier modules provide 8-watt rms output level for studio and house monitor speakers.

All models are equipped with selective intercom between the operating position and each of three studios or four remote lines plus a general paging location.

All solid-state devices are operated at conservative ratings and only highest grade components are used. Close attention has been paid to human engineering design with switches and controls positioned for logical, error-free operation.

The B-800 Series is handsomely styled and completely self-contained. With the interconnection of power source and external device cabling, these consoles are ready to deliver many years of highly-professional, reliable service.



FRONT VIEW/B-802 stereo console

**SPECIFICATIONS**

**PROGRAM CHANNEL(S)**

**FREQUENCY RESPONSE:** .....  $\pm 0.5$  dB, 20 to 20,000 Hertz

**TOTAL HARMONIC DISTORTION** .... 0.5% or less, 20 to 20,000 Hz @ +18 dBm output with -50 dBm signal fed to any low level input

**S/N RATIO:** ..... 74 dB or greater below +18 dBm output. -50 dBm input to any low level input. Master and channel mixers adjusted for equal attenuation, totaling 34 dB

**OVERALL GAIN** .. 102,  $\pm 2$ , dBm

**OUTPUT LEVEL** .. +8 dBm nominal. +24 dBm maximum capability

**INPUT LEVELS** .. Channels 1-3: -60 dBm nom., -30 dBm max. Channels 4-7: -15 dBm nom., +10 dBm max.

**INPUT IMPEDANCES** ... Channels 1-3: 150 ohms balanced. (50/600 ohms by strapping). Channels 4-7: 600 ohms unbalanced. (150 ohms by strapping). Channel 8: 600 ohms balanced (150 ohms by strapping).

**LINE OUTPUT SWITCHING** ..... B-801: Line 1, Line 2 and terminated OFF positions.  
 B-802: Stereo (separate L and R outputs), Mono (L+R feeding Line 1) and terminated OFF positions.  
 B-803: Channel A to Line 1/Channel B to Line 2, Reversal, and terminated OFF positions.

**AUDITION BUSS**

**OUTPUT(S)** ..... B-801, B-802, B-802/S2: -10 dBm, 10K ohms, unbalanced. B-803: None. B-802/S1: +8 dBm nominal, +24 dBm maximum.

**CROSSTALK** .... B 801, below noise level (audition to program)  
 B-802, below noise level (L to R to audition)  
 B-803, below noise level (Channel A to Channel B)

**MONITOR CHANNEL(S)**

**FREQUENCY RESPONSE:** .....  $\pm 0.5$  dB, 20 to 20,000 Hertz

**TOTAL HARMONIC DISTORTION** .... 0.75% or less, 20 to 20,000 Hz @ 8 watts rms output

**S/N RATIO:** .... 70 dB below 8 watts (with  $\pm 18$  dBm at program line output(s).

**OUTPUT LEVEL** .. ..... 8 watts rms

**OUTPUT IMPEDANCE** .... ..... 8 to 16 ohms, unbalanced

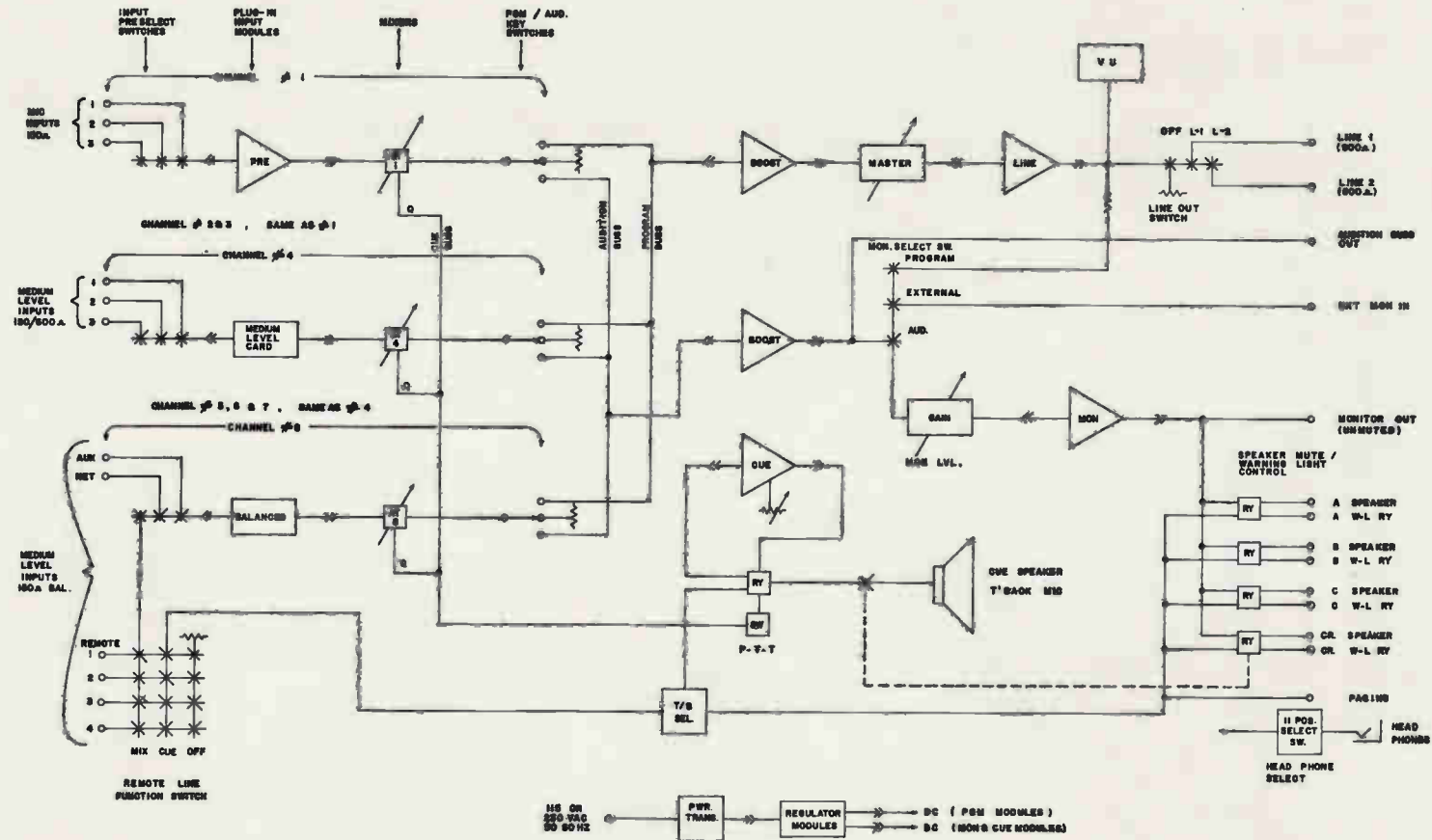
**POWER REQUIRED** ..... B-801 65 watts  
 ..... B-802 100 watts  
 ..... B-803 80 watts

**DIMENSIONS:** ... 44 $\frac{7}{8}$ " wide, 18 $\frac{1}{4}$ " deep, 9 $\frac{3}{4}$ " high

**FINISH** ..... Cabinet: Beige with wood trim end panels. Front Panel: Upper control area — beige, lower control area — black.

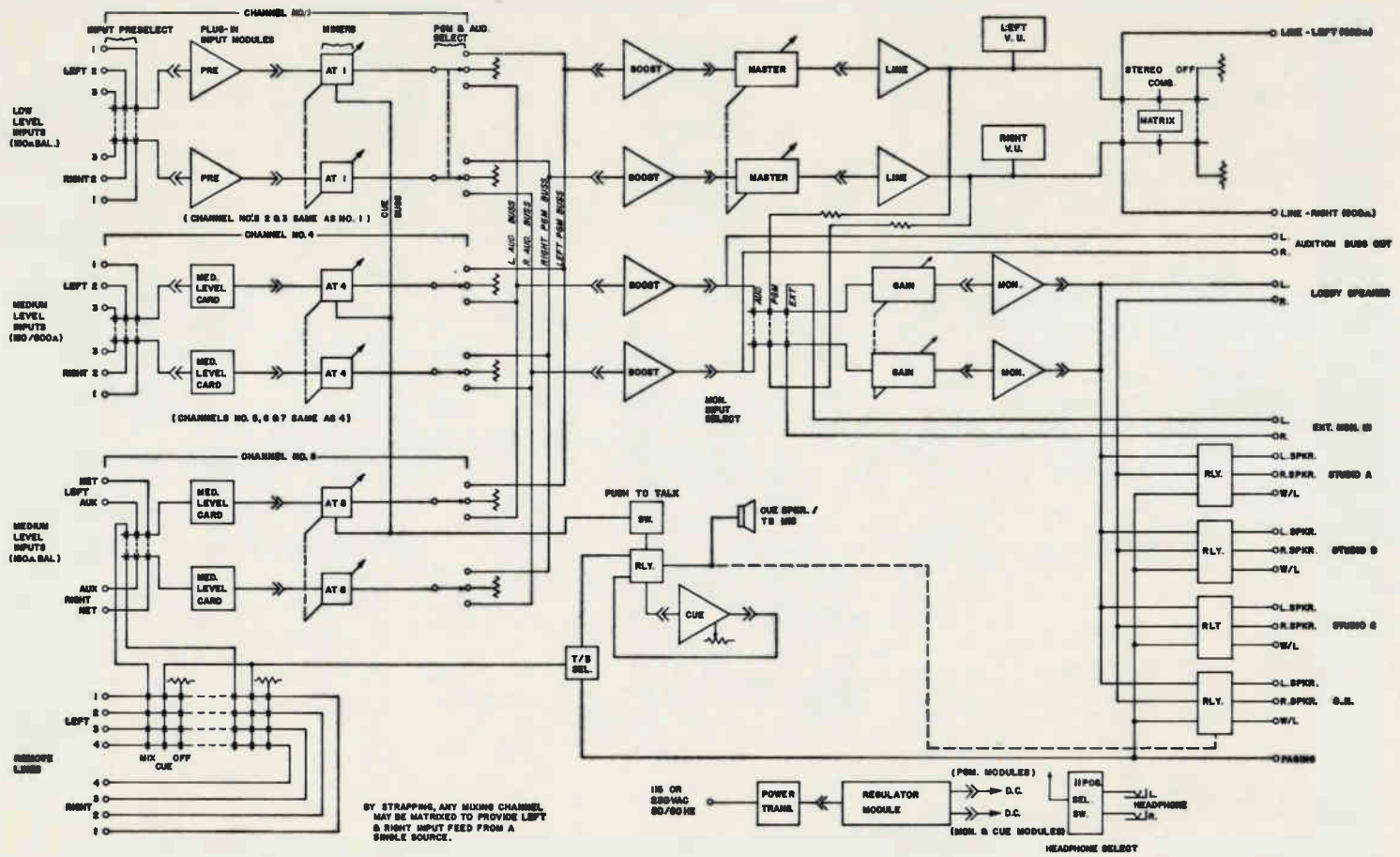


FUNCTIONAL BLOCK DIAGRAM/B-801 Monaural Console



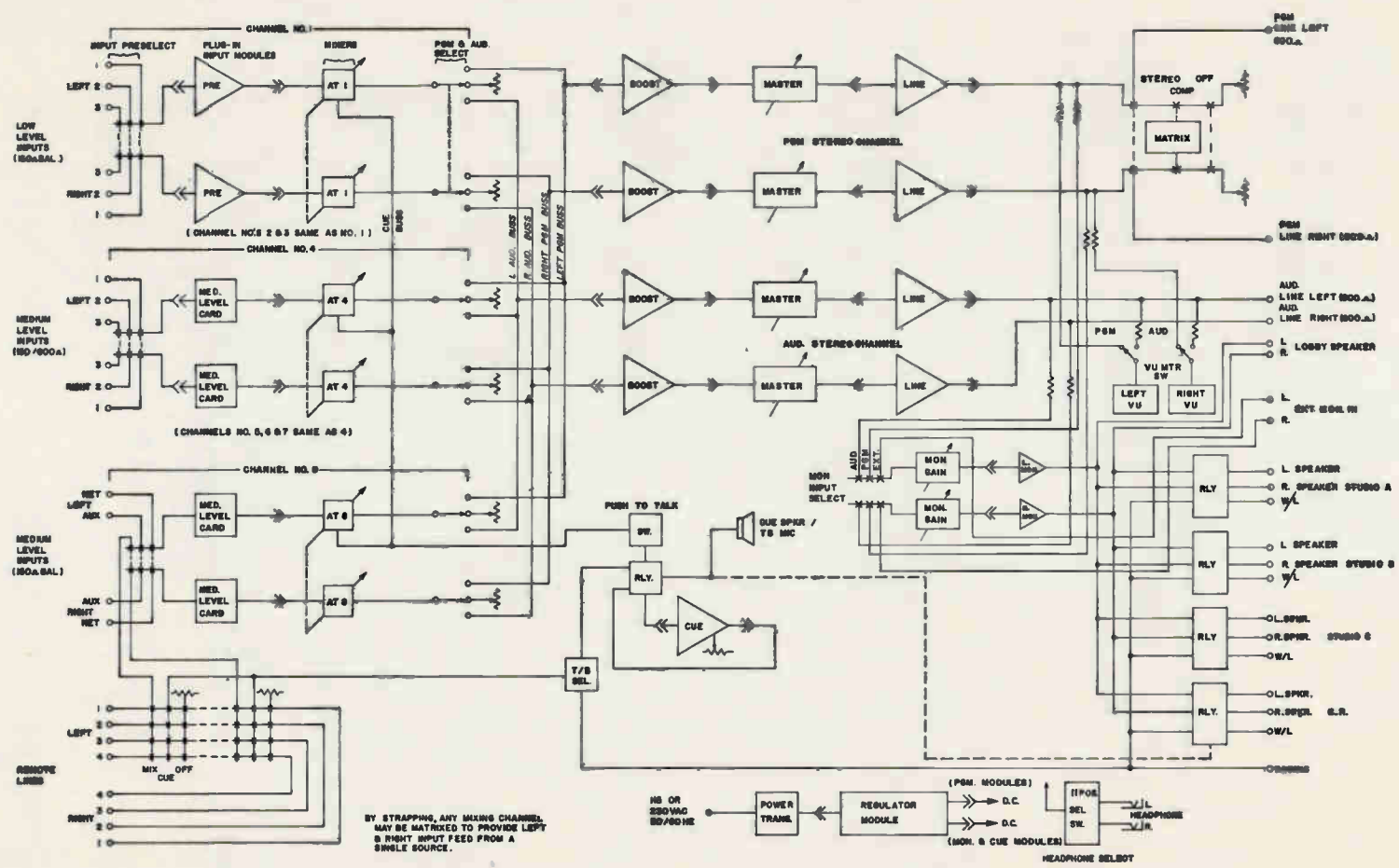


FUNCTIONAL BLOCK DIAGRAM/B-802 stereo console

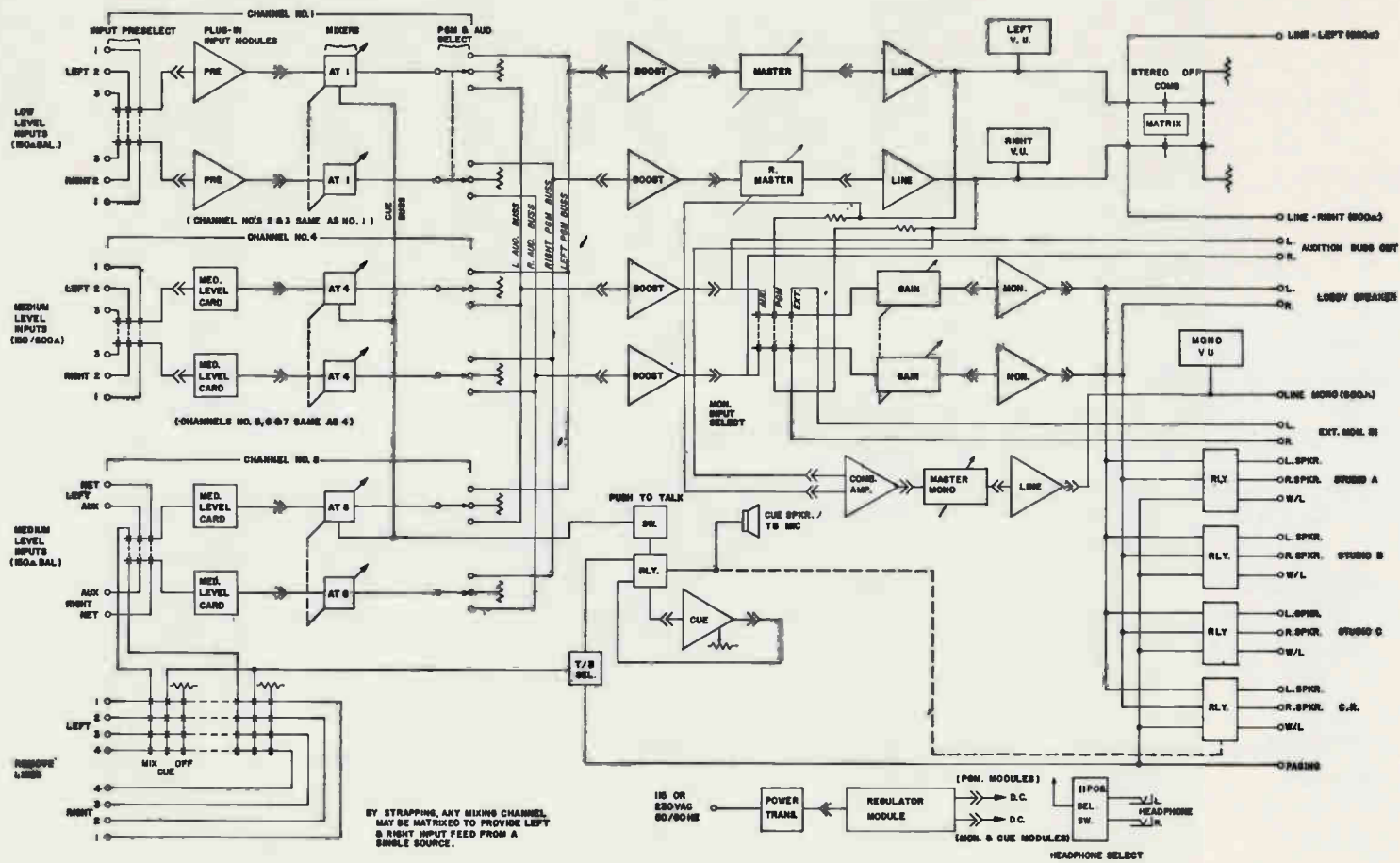


BY STRAPPING, ANY MIXING CHANNEL MAY BE MATRIXED TO PROVIDE LEFT & RIGHT INPUT FEED FROM A SINGLE SOURCE.

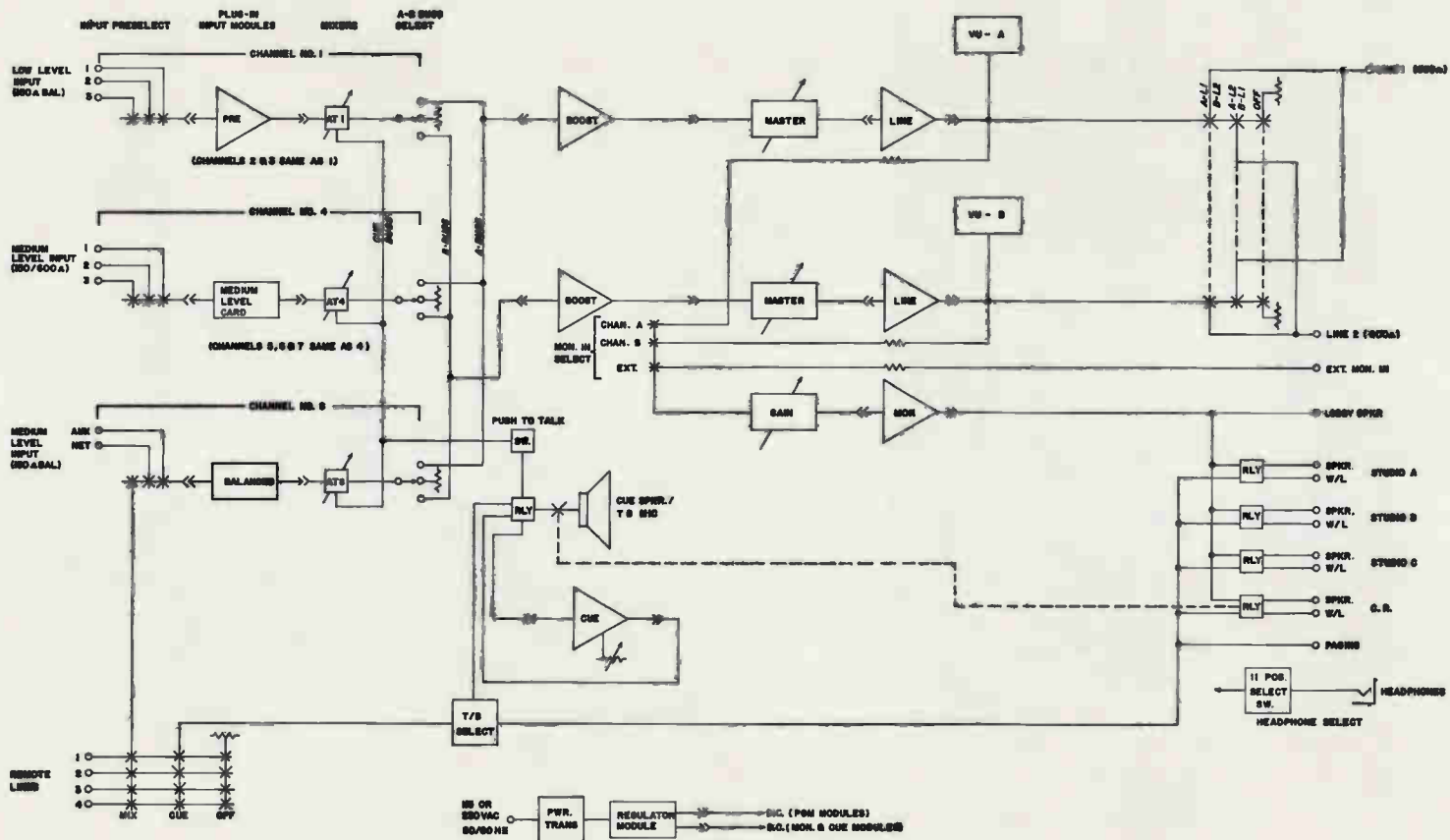
FUNCTIONAL BLOCK DIAGRAM/B-802-S1 dual stereo console



FUNCTIONAL BLOCK DIAGRAM/B-802-S2 stereo/monaural

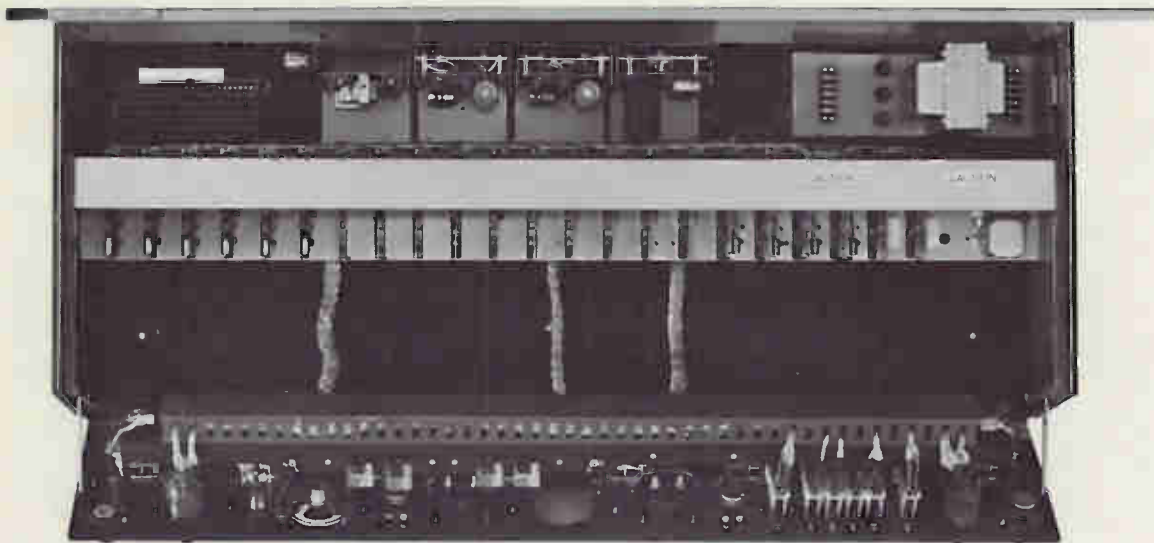


FUNCTIONAL BLOCK DIAGRAM/B-803 dual channel console

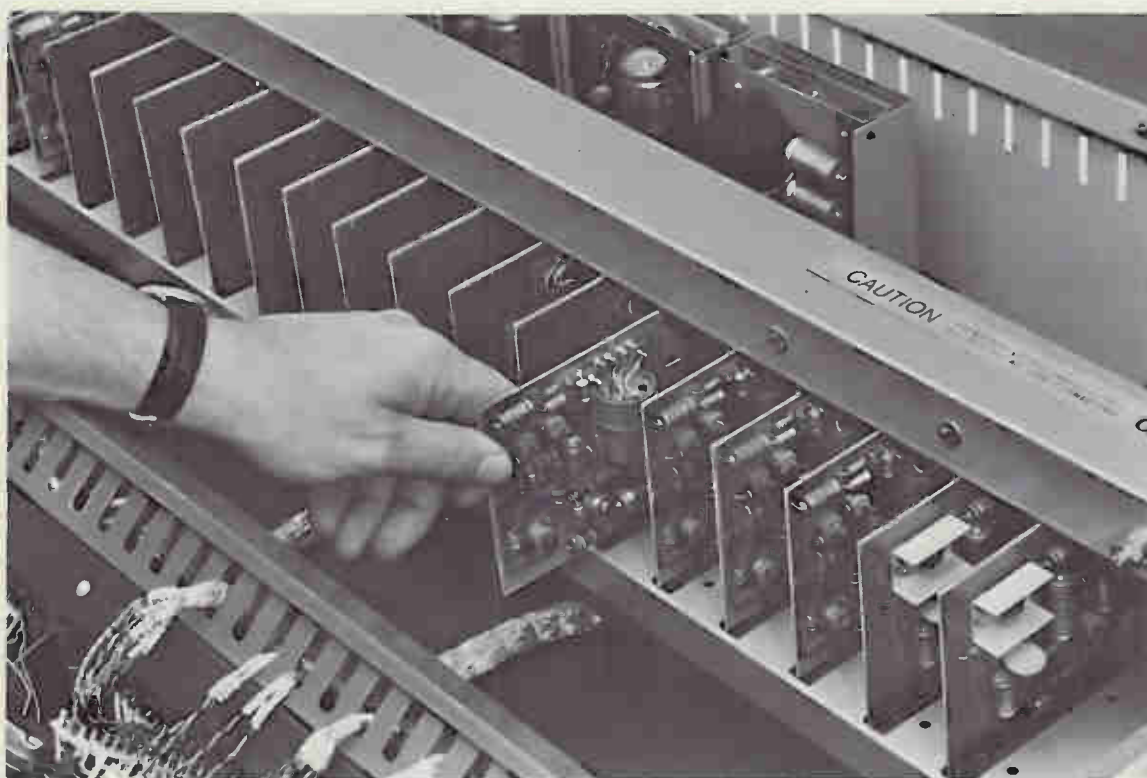




*McMartin*®



OPEN VIEW/B-802 stereo console



TYPICAL PLUG-IN CAPABILITY/B-800 series

## MC MARTIN INDUSTRIES, INCORPORATED

## TERMS AND CONDITIONS OF SALE

## BROADCAST PRODUCTS

1. PRICES: MC MARTIN ENDEAVORS TO KEEP PUBLISHED PRICE LISTS CURRENT AND TO ADVISE CUSTOMERS OF PRICE CHANGES; HOWEVER, ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. PUBLISHED PRICES APPLY TO UNITED STATES SALES AND ARE BASED ON A CASH TRANSACTION, F.O.B., OMAHA, NEBRASKA. NO APPLICABLE FEDERAL, STATE OR LOCAL TAXES ARE INCLUDED.
2. TERMS OF PAYMENT: TERMS OF PAYMENT ARE CASH WITH ORDER. ORDERS ARE ACCEPTED FROM CUSTOMERS WITH AN ESTABLISHED CREDIT RATING WITH FULL PAYMENT DUE WITHIN 30 DAYS OF SHIPPING DATE. THE PROMPT PAYMENT DISCOUNT IS ONE PER CENT 10TH AND 25TH, NET 30. PAYMENTS MADE BEYOND THE 30-DAY PERIOD ARE SUBJECT TO A FINANCE CHARGE OF 1-1/2 PER CENT PER MONTH (EQUIVALENT TO AN ANNUAL PERCENTAGE RATE OF 18 PER CENT). CUSTOMERS WISHING TO ESTABLISH 30-DAY TERMS SHOULD FURNISH TRADE AND BANK REFERENCES AND CURRENT FINANCIAL INFORMATION FOR REVIEW BY MC MARTIN'S CREDIT DEPARTMENT. EQUIPMENT IS AVAILABLE THROUGH A LEASE/PURCHASE OPTION PLAN. CONTACT MC MARTIN'S SALES DEPARTMENT FOR DETAILS.
3. WARRANTY: MC MARTIN BROADCAST PRODUCTS ARE WARRANTED TO BE FREE FROM DEFECTS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR 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 MC MARTIN'S SPECIFIC PRIOR AUTHORIZATION, OR B) IF EQUIPMENT IS OPERATED UNDER ENVIRONMENTAL CONDITIONS OR CIRCUMSTANCES OTHER THAN THOSE SPECIFICALLY DESCRIBED IN MC MARTIN LITERATURE OR INSTRUCTION MANUALS.
4. REPAIR OR REPLACEMENT: IF A BROADCAST PRODUCT FAILS DURING THE APPLICABLE WARRANTY PERIOD, REPLACEMENT OR REPAIR PARTS WILL BE FURNISHED FREE OF CHARGE. ON REQUEST, AND AT THE DISCRETION OF MC MARTIN, THE CUSTOMER MAY BE REQUIRED TO RETURN THE DEFECTIVE PART OR EQUIPMENT TO MC MARTIN, F.O.B., OMAHA, NEBRASKA. PARTS OR EQUIPMENT MAY BE RETURNED ONLY WITH MC MARTIN'S PRIOR AUTHORIZATION AND MUST BE ACCOMPANIED BY RETURN AUTHORIZATION NUMBER ISSUED BY MC MARTIN'S CUSTOMER SERVICE DEPARTMENT. ALL RETURNED MERCHANDISE MUST BE SENT FREIGHT PREPAID AND WITH APPROPRIATE INSURANCE COVERAGE. FULL DETAILS OF THE CIRCUMSTANCES OF THE FAILURE OR MALFUNCTION SHOULD BE INCLUDED TO EXPEDITE REPAIR OR REPLACEMENT. REPAIRED EQUIPMENT WILL BE SHIPPED TO THE CUSTOMER, F.O.B., FACTORY.
5. OUT-OF-WARRANTY SERVICE: MC MARTIN'S LABORATORY AND TECHNICAL SERVICES ARE AVAILABLE FOR THE REPAIR AND/OR RECALIBRATION OF BROADCAST PRODUCTS OPERATED BEYOND THE WARRANTY PERIOD. TIME REQUIRED FOR RECALIBRATION/REPAIR VARIES WITH EQUIPMENT TYPE AND CURRENT PLANT WORK LOAD. CONTACT MC MARTIN'S CUSTOMER SERVICE MANAGER FOR CURRENT REPAIR TIMES AND RECALIBRATION, LABOR AND PARTS RATES. MC MARTIN WARRANTS RECALIBRATION AND PARTS UTILIZED IN THE REPAIR OF EQUIPMENT FOR A PERIOD OF 90 DAYS BEYOND THE SHIPPING DATE OF SAID RECALIBRATION OR REPAIR. PRIOR RETURN AUTHORIZATION IS REQUIRED FOR EQUIPMENT BEING RETURNED FOR RECALIBRATION OR REPAIR AND ALL TRANSPORTATION AND INSURANCE CHARGES TO AND FROM THE FACTORY ARE TO BE PAID BY THE CUSTOMER.

6. RETURNS: MERCHANDISE PRODUCED AND SHIPPED IN GOOD FAITH IS NOT RETURNABLE FOR CREDIT. MERCHANDISE MAY BE EXCHANGED IF MC MARTIN INDUSTRIES DETERMINES THAT CIRCUMSTANCES WARRANT SUCH CONCESSION. MERCHANDISE FOR EXCHANGE MUST BE OF CURRENT DESIGN AND IN UNOPENED FACTORY CARTONS AND IS SUBJECT TO A 20 PER CENT RESTOCKING CHARGE, PLUS A \$30.00 RETUNING CHARGE FOR PRODUCTS WITH TUNED RF STAGES.
7. PRODUCT CHANGES: MC MARTIN RESERVES THE RIGHT WITHOUT ADVANCE NOTICE TO MAKE ENGINEERING AND PRODUCTION CHANGES INCLUDING SUBSTITUTION OF VENDOR SOURCES FOR COMPONENTS WHICH MAY MODIFY THE DESIGN OR SPECIFICATIONS OF ITS BROADCAST PRODUCTS, PROVIDED SAID MODIFICATION WILL NOT MATERIALLY EFFECT THE PERFORMANCE OF THE PRODUCT.
8. GENERAL:
  - A. THE PREFERRED SHIPPING METHOD SHOULD BE SPECIFIED IN YOUR ORDER. WHEN NOT SPECIFIED, SHIPMENT WILL BE MADE BY A COMMON CARRIER SELECTED BY MC MARTIN. GENERALLY, SHIPMENTS WILL BE MADE WITH TRANSPORTATION CHARGES COLLECT.
  - B. CLAIMS FOR DAMAGE INCURRED IN TRANSIT MUST BE MADE BY THE CUSTOMER DIRECTLY WITH THE CARRIER, EXCEPT FOR SHIPMENTS HANDLED BY UNITED PARCEL SERVICE (UPS). UPS CLAIMS MUST BE FILED AT THE POINT OF ORIGIN. IN EITHER CASE, MC MARTIN MUST BE IMMEDIATELY NOTIFIED OF DAMAGE DETAILS, DATES AND MC MARTIN INVOICE NUMBERS INVOLVED.
  - C. IN NO EVENT IS MC MARTIN LIABLE FOR CONSEQUENTIAL DAMAGES RESULTING FROM LATE OR NON-DELIVERY, OR MALFUNCTION OR FAILURE OF ITS BROADCAST PRODUCTS.

## MCMARTIN INDUSTRIES, INC.

## CHANGES TO BROADCAST PRICE LIST

ADD TO PAGE B-72-AC1:

OPTIONAL STEP ATTENUATORS FOR FIVE (5) MIXERS ON B-500 SERIES CONSOLES:

B-501 AND B-503 (MONAURAL)

ADD: \$225.00

B-502 (STEREO)

ADD: \$350.00

ALLOW 30 TO 45 DAYS DELIVERY.

ADD TO PAGE B-72-AC3:

B-802-S3

B-802 STEREO CONSOLE PLUS FEATURES OF S1 AND S2  
MODELS.

\$3,850.00

ALLOW 30 TO 45 DAYS DELIVERY.

DELETE FROM PAGE B-72-M1:

TBM-0380

(REPLACED BY STE-1 IN TBM-1000B)

TBM-3500A

(REPLACED BY TBM-3700 OR TBM-4500A)

ADD TO PAGE B-72-M3:

TBM-8800

AM-RF AMPLIFIER WITH AGC (AVAILABLE MARCH 1973)

\$485.00



## QUICK REFERENCE TABLE — MCMARTIN PROFESSIONAL AUDIO CONSOLES

<u>FEATURE</u>	<u>ACCU-FIVE</u>	<u>B-500 SERIES</u>	<u>B-800 SERIES</u>
MIXER CHANNELS	5	5	8
INPUTS	13	10	27
MONAURAL CHANNELS	PROGRAM	AUDITION/PROGRAM	AUDITION/PROGRAM
DUAL MONAURAL CHANNELS	NOT AVAILABLE	PROGRAM A/PROGRAM B	PROGRAM A/PROGRAM B
STEREO CHANNELS	NOT AVAILABLE	AUDITION/PROGRAM	AUDITION/PROGRAM
STEREO/MONAURAL CHANNELS	NOT AVAILABLE	NOT AVAILABLE	AUDITION/PROGRAM/ MONAURAL
DUAL STEREO CHANNELS	NOT AVAILABLE	NOT AVAILABLE	PROGRAM/PROGRAM
DUAL STEREO/MONAURAL	NOT AVAILABLE	NOT AVAILABLE	PROGRAM/PROGRAM/ MONAURAL
CUE AMPLIFIER/SPEAKER	PROVIDED	PROVIDED	PROVIDED
CUE INPUT	ALL CHANNELS	ALL CHANNELS	ALL CHANNELS
PROGRAM FREQUENCY	$\pm 1.0$ DB 30-15,000	$\pm 0.5$ DB 30-15,000	$\pm 0.5$ DB 20-20,000
PROGRAM S/N	60 DB BELOW $\pm 18$	72 DB BELOW $\pm 18$	74 DB BELOW $\pm 18$
GAIN	100 $\pm 2$ DBM	100 $\pm 2$ DBM	102 $\pm 2$ DBM
OUTPUT LEVEL	$\pm 8$ FOR OVU; $\pm 18$ MAXIMUM	$\pm 8$ FOR OVU; $\pm 18$ MAXIMUM	$\pm 8$ FOR OVU; $\pm 24$ DBM MAXIMUM
CROSSTALK	BELOW SYSTEM NOISE	BELOW SYSTEM NOISE	BELOW SYSTEM NOISE
MONITOR CHANNEL FREQUENCY	$\pm 1.5$ DB 50-15,000	$\pm 1.0$ DB 30-15,000	$\pm 0.5$ DB 20-20,000
MONITOR AUDIO	4 WATTS RMS	4 WATTS RMS	8 WATTS RMS
MONITOR NOISE	50 DB BELOW 4 WATTS	60 DB BELOW 4 WATTS	70 DB BELOW 8 WATTS
INPUT LEVELS	LOW -60 DBM NOMINAL -35 DBM MAXIMUM	-60 DBM NOMINAL -34 DBM MAXIMUM	-60 DBM NOMINAL -30 DBM MAXIMUM
	HIGH -20 DBM NOMINAL $\pm 5$ DBM MAXIMUM	-15 NOMINAL $\pm 10$ DBM MAXIMUM	-15 DBM NOMINAL $\pm 10$ DBM MAXIMUM
ATTENUATORS	MOLDED COMPOSITION	MOLDED COMPOSITION; STEP TYPE OPTIONAL	STEP TYPE
TALK BACK AMPLIFIER	PROVIDED	NOT AVAILABLE	PROVIDED
PRINTED CIRCUIT BOARDS	FIX WIRED	PROGRAM/AUDITION CHANNELS PLUG-IN; MONITOR AND CUE AMPS FIX WIRED	ALL PLUG-IN
STANDARD CONFIGURATION	1-MIC (ONE OF 2) 2-MIC (ONE OF 2) 3-HI/LO (ONE OF 2) 4-HI/LO (ONE OF 2) 5-HI/LO (ONE OF 5) 6- 7- 8-	MIC (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2) HI BAL (ONE OF 2)	MIC (ONE OF 3) MIC (ONE OF 3) MIC (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI UNBAL (ONE OF 3) HI BAL (ONE OF 6)
	(ALL INPUTS ON B-500 AND B-800 CONSOLES ARE PLUG-IN AND INTER- CHANGEABLE -- ANY MIXER MAY BE LOW OR HIGH LEVEL BY SELECTION OF PROPER PLUG-IN CARD -- SEE CONSOLE PRICE LIST.)		
INPUT TERMINATION	1 AND 2 CANNON 3 - 5 SCREW TERMINALS	ALL SCREW TERMINALS	ALL SOLDER TYPE
OUTPUT TERMINATION	SCREW TERMINALS	SCREW TERMINALS	ALL SOLDER TYPE
MUTING	ONE RELAY PROVIDED	ONE RELAY PROVIDED; ONE OPTIONAL	FOUR RELAYS PROVIDED
POWER SUPPLY	120/220VAC, 50-60 HZ	120/220VAC, 50-60 HZ	120/220VAC, 50-60 HZ
SIZE	19"W, 3.50"H, 10"D	27"W, 7"H, 16"D	44.75"W, 9.75"H, 18.25"D

## MC MARTIN INDUSTRIES, INCORPORATED

## BROADCAST EQUIPMENT PRICE LIST

B-500 AND ACCU-FIVE 5-MIXER AUDIO CONSOLES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
B-501	MONAURAL, 5-MIXER CONSOLE. COMPLETE WITH (1) CUE AMPLIFIER, (1) MONITOR AMPLIFIER AND FOLLOWING PLUG-IN CARDS: (1) MIC PREAMP, (4) HI-BAL CARDS, (2) BOOSTER AMPS, (1) PROGRAM AMP AND (1) POWER SUPPLY REGULATOR. INCLUDES (1) SPEAKER MUTING RELAY.	\$ 750.00
B-502	STEREO, 5-MIXER CONSOLE. COMPLETE WITH (1) CUE AMPLIFIER, (2) MONITOR AMPLIFIERS AND FOLLOWING PLUG-IN CARDS: (1) DUAL MIC PREAMP, (4) DUAL HI-BAL CARDS, (1) DUAL BOOSTER AMP, (1) DUAL PROGRAM AMP AND (1) POWER SUPPLY REGULATOR. INCLUDES (1) SPEAKER MUTING RELAY.	1,050.00
B-503	DUAL CHANNEL, 5-MIXER CONSOLE. COMPLETE WITH (1) CUE AMP, (1) MONITOR AMP AND FOLLOWING PLUG-IN CARDS: (1) MIC PREAMP, (4) HI-BAL CARDS, (2) BOOSTER AMPS, (2) POWER AMPS AND (1) POWER SUPPLY REGULATOR. INCLUDES (1) SPEAKER MUTING RELAY.	950.00
<u>B-500 ATTENUATOR WARRANTY</u>		
MC MARTIN B-500 SERIES CONSOLES USE ALLEN BRADLEY MOLDED COMPOSITION TRIPLE WIPER ATTENUATORS WHICH TYPICALLY WILL OPERATE IN EXCESS OF FIVE (5) MILLION TIMES WITHOUT DEGRADATION OF ELECTRICAL OR MECHANICAL SPECIFICATIONS. THE CONTROLS ARE GUARANTEED FOR A PERIOD OF FIVE (5) YEARS FROM THE DATE OF DELIVERY AND WILL BE REPLACED FREE OF CHARGE. REPLACEMENTS WILL BE SENT BY RETURN MAIL AT NO CHARGE. PLEASE SEND THE CONSOLE SERIAL NUMBER, MODEL NUMBER AND REQUIRED NUMBER OF CONTROLS.		
ACCU-FIVE	FIVE INPUT RACK MOUNT REMOTE AND CATV MIXER - COMPLETE	495.00

B-500 CONSOLE ACCESSORY PLUG-IN MODULES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
<u>PLUG-IN CARDS</u>		
5MP1	MICROPHONE PREAMPLIFIER (B-501 AND B-503) (551010)	\$ 22.00
5MP2	DUAL MIC PREAMP (B-502) (551011)	43.50
5BA1	BOOSTER AMP (B-501 AND B-503) (552021)	12.00
5BA2	DUAL BOOSTER AMP (B-502) (552010)	16.00
5PG1	PROGRAM AMP (B-501 AND B-503) (552011)	15.00
5PG2	DUAL PROGRAM AMP (B-502) (552012)	23.00
5BH1	HIGH LEVEL BALANCED (B-501 AND B-503) (552013)	19.50
5BH2	DUAL HIGH LEVEL BALANCED (B-502) (552014)	37.50
5PS1	POWER SUPPLY REGULATOR (ALL MODELS) (553007)	16.00
5EP1	RIAA EQUALIZED PHONO PREAMPLIFIER (B-501 AND B-503) (551020)	22.00
5EP2	DUAL RIAA EQUALIZED PHONO PREAMPLIFIER (B-502) (551021)	43.50
<u>FIXED CARDS</u>		
5QA1	CUE AMPLIFIER (ALL MODELS) (552015)	18.00
5MA1	MONITOR AMPLIFIER (ALL MODELS) (552016)	23.00
<u>OPTIONAL</u>		
5RY1	SPEAKER MUTING RELAY (ALL MODELS) (550022)	10.00

B-800 8-MIXER AUDIO CONSOLES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
B-801	MONAURAL, 8-MIXER CONSOLE. COMPLETE WITH FOLLOWING PLUG-IN MODULES: (3) MICROPHONE PREAMPS, (2) BOOSTER AMPS, (1) PROGRAM AMP, (1) CUE/TALKBACK AMP, (1) 8-WATT MONITOR AMP, (4) HIGH-LEVEL UNBALANCED INPUT, (1) HIGH-LEVEL BALANCED INPUT, (1) POWER SUPPLY REGULATOR, AND (2) MODULE EXTENDER CARDS.	\$2,350.00
B-802	STEREO, 8-MIXER CONSOLE. COMPLETE WITH FOLLOWING PLUG-IN MODULES: (6) MICROPHONE PREAMPS, (4) BOOSTER AMPS, (2) PROGRAM AMPS, (1) CUE/TALKBACK AMP, (2) 8-WATT MONITOR AMPS, (8) HIGH-LEVEL UNBALANCED INPUT, (2) HIGH-LEVEL BALANCED INPUT, (1) POWER SUPPLY REGULATOR, AND (2) MODULE EXTENDER CARDS.	3,200.00

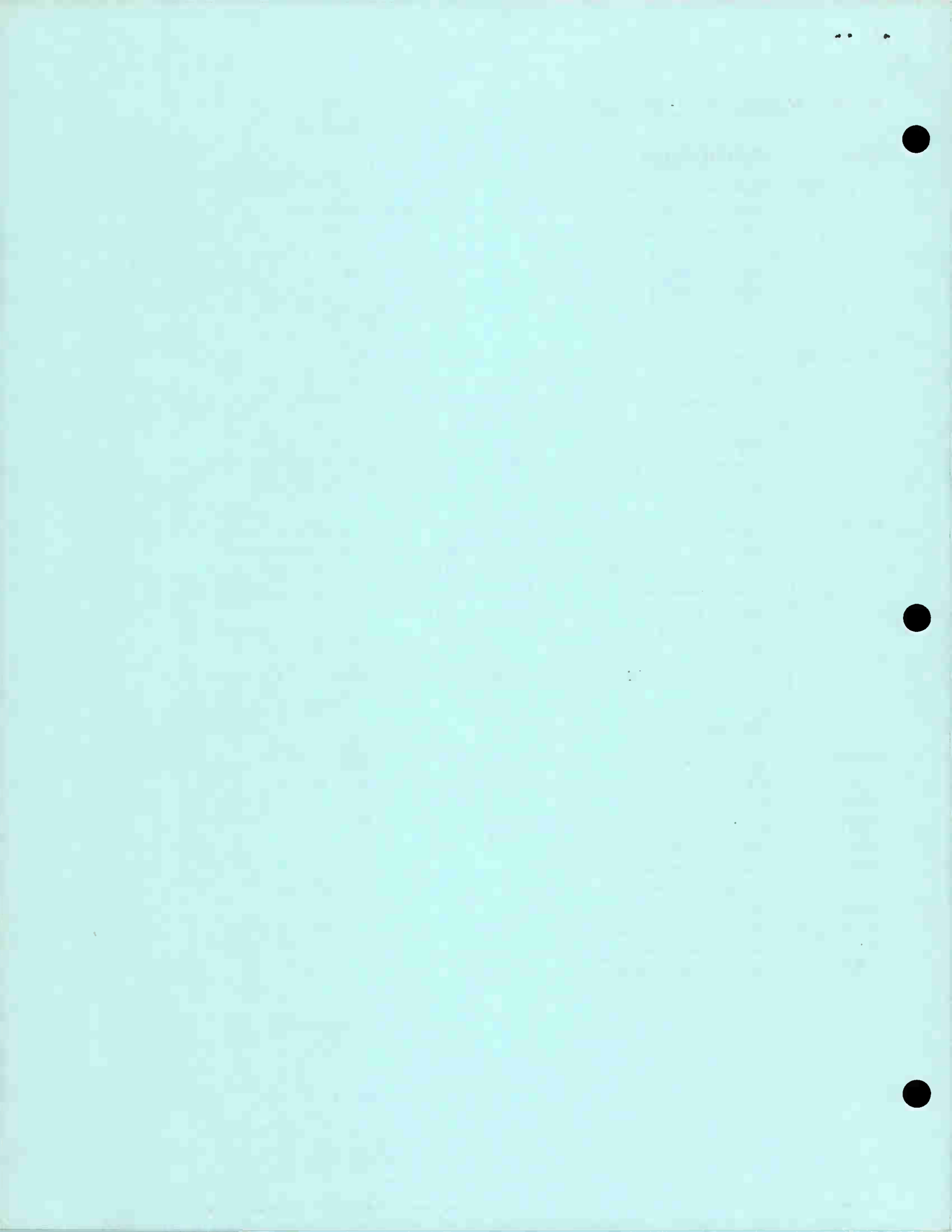
B-800 8-MIXER AUDIO CONSOLES (CONT.)

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
B-802-S1	INCLUDES STANDARD MODULE CONTENT SHOWN FOR B-802 IN "B-800 SERIES CONSOLE PRICE LIST", PLUS TWO (2) PLUG-IN PROGRAM AMPLIFIER MODULES TO PROVIDE BALANCED, 600 OHM STEREO, LINE LEVEL OUTPUTS FROM THE AUDITION CHANNELS. INCLUDES SEPARATE INTERNAL AUDITION CHANNEL MASTER GAIN CONTROLS AND FRONT-PANEL VU METER SELECTOR SWITCH TO PERMIT PGM/AUD OUTPUT LEVEL METERING. (PROVIDES FOUR (4) CHANNEL OUTPUT)	\$3,450.00
B-802-S2	INCLUDES STANDARD MODULE CONTENT SHOWN FOR B-802 IN "B-800 SERIES CONSOLE PRICE LIST", PLUS PLUG-IN PROGRAM AMPLIFIER MODULE AND PLUG-IN COMBINING AMPLIFIER STAGE TO PROVIDE CONTINUOUS BALANCED, 600 OHM LINE LEVEL MONAURAL OUTPUT FOR "SIMULCAST" OPERATION. A THIRD, PANEL-MOUNTED, VU METER IS ADDED TO MONITOR MONAURAL OUTPUT. AN INTERNAL TRIM CONTROL PERMITS INDEPENDENT ADJUSTMENT OF MONAURAL OUTPUT LEVEL.	3,400.00
B-803	DUAL CHANNEL, 8-MIXER CONSOLE. COMPLETE WITH FOLLOWING PLUG-IN MODULES: (3) MICROPHONE PREAMPS, (2) BOOSTER AMPS, (2) PROGRAM AMPS, (1) CUE/TALKBACK AMP, (1) 8-WATT MONITOR AMP, (4) HIGH-LEVEL UNBALANCED INPUT, (1) HIGH-LEVEL BALANCED INPUT, (1) POWER SUPPLY REGULATOR, AND (2) MODULE EXTENDER CARDS.	2,650.00

B-800 CONSOLE ACCESSORY PLUG-IN MODULES

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
8MP1	MICROPHONE PREAMPLIFIER (551001)	\$ 25.75
8EP1	RIAA EQUALIZED PHONO PREAMPLIFIER (551008)	25.75
8BA1	BOOSTER AMPLIFIER (552004)	25.75
8PG1	PROGRAM AMPLIFIER (552003)	25.00
8MA1	MONITOR AMPLIFIER (552002)	80.00
8QA1	CUE/TALKBACK AMPLIFIER (552001)	60.00
8PS1	POWER SUPPLY REGULATOR (553001)	40.00
8BH1	HIGH-LEVEL BALANCED INPUT (550001)	20.00
8UH1	HIGH-LEVEL UNBALANCED INPUT (550002)	1.50
8XC10	MODULE EXTENDER CARD (10-PIN) (555001)	3.00
8XC15	MODULE EXTENDER CARD (15-PIN) (555005)	5.00
8CA1	COMBINING AMPLIFIER (552055)	20.00





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Givatayim, 53108 Israel

**McMartin**

# sales representatives

## BROADCAST PRODUCTS

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**FELIX BONVOULOIR**  
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Vermont

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