



## McMartin LT-80B

# TRANSISTOR AMPLIFIER

### 8 WATT

#### SPECIFICATIONS

Power Output	8 watts rms
	12 watts music power
	16 watts peak power
Frequency Response	30 to 15,000 Hz $\pm$ 2db
	30 to 20,000 Hz $\pm$ 3db
Distortion	Less than 2% 30 to 15,000 Hz $\pm$ 2db
Hum & Noise	
Microphone	-55db below 8 watts
Program	-65db below 8 watts
Inputs	
Microphone	Unbalanced HI Z or balanced LO Z with MT-8
	Unbalanced 15,000 ohms
Program	Magnetic, ceramic, or crystal
Phone (w/PHL-6B)	Magnetic, ceramic, or crystal
Tuner (w/PHL-7)	HI Z (270K ohms); Self-gain increase
Tape Head (w/PHL-8A)	Equalized for 1 1/4, 3 1/2 or 7 1/2 IPS
Line (w/MT-40)	Balanced 10,000 ohms bridging
	Balanced 600 ohms matching
Outputs	Balanced 70.7 volt and 25 volt
	Unbalanced 8 ohms
	(70.7 volt is 625Q impedance)
Controls	
	Microphone Gain
	Program Gain
	Tone (cut to -15db at 10,000 Hz)
Power Supply	120 volt AC, 50/60 cps, fused, 20 watts max.
Ambient Temperature	Full performance to 150° F.
Dimensions & Finish	9 1/2" x 7 1/2" x 4 1/2" h. McMartin blue and brushed aluminum.
Shipping Weight	6 lbs.

#### ACCESSORIES

C-1F	3-pin male connector—female
MGC	Master gain control
PHL-6B	Phone preamplifier
PHL-7	Program preamplifier
PHL-8A	Tape Head preamplifier (specify 1 1/4, 3 1/2, or 7 1/2 IPS)
MT-4	Universal line/mic transformer
RP-50	19" Rack panel assembly for LT-80B (size 19" x 5 1/2" h.)
MT-6	Line input transformer

NOTE: All tests conducted in accordance with IEC-A Standards IC-100-A where applicable.

#### DESCRIPTION

The McMartin LT-80B is a conservatively rated, 8 watt AUDIO/PA amplifier specifically designed for commercial sound and background music installations. Outstanding performance, quality and reliability are assured.

The microphone channel is high impedance with individual level control, professional 3-pin microphone connector (Model C-1M is standard equipment). For balanced low impedance, the MT-4 plug-in microphone input transformer is available. Sockets for the MT-4 transformers are standard equipment with a tone control (cut to -15db @ 10,000 Hz).

The standard program channel is 15,000 ohm unbalanced with a tone control (cut to -15db @ 10,000 Hz).

With the installation of the PHL-6B, PHL-7 or PHL-8A, the program input operates with a crystal, ceramic or magnetic phone, tape recorder, tuner or similar program source. For matching a balanced line, a socket is provided for the installation of the MT-8 universal plug-in transformer. Screw-type terminals are provided for this connection.

The speaker outputs consist of a balanced 70.7 volts, 25 volts and a normal 8 ohms impedance.

#### PROGRAM INPUTS

##### 15K Ohm Bridging Input

The 15,000 ohm input connection is made at the screw-type terminals on the rear of the chassis marked 15K IN. This standard unbalanced bridging input is for connection of a low or medium impedance input.

##### Program Preamp Input

The PROGRAM jack, J4, is mounted on the rear of the chassis and is connected directly to the transformer socket, J3. (See schematic.) This jack is used for connection of high impedance source equipment such as a radio tuner. When used for this application, the optional high impedance plug-in preamplifier, PHL-7, is required. The PHL-7 preamplifier is easily inserted into the transformer socket, J3, and the high impedance source input is connected to the PROGRAM jack, J4. Use shielded cable and a phone plug for this connection.

##### Phonograph

A ceramic or crystal phone input may be used by inserting the plug-in Model PHL-6B phone preamp into the PRO-

CH 1000 1000  
ALA FILE CH-17

**McMartin**

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# Mcmartin Broadcast Limiter Manual

**Jiyuan Zhang**

**McMartin Broadcast Limiter Manual:**

## Enjoying the Beat of Phrase: An Mental Symphony within **Mcmartin Broadcast Limiter Manual**

In a global eaten by monitors and the ceaseless chatter of immediate communication, the melodic beauty and psychological symphony developed by the prepared word frequently disappear in to the back ground, eclipsed by the relentless sound and disruptions that permeate our lives. However, situated within the pages of **Mcmartin Broadcast Limiter Manual** an enchanting literary value filled with fresh emotions, lies an immersive symphony waiting to be embraced. Crafted by a masterful musician of language, that charming masterpiece conducts viewers on a mental journey, well unraveling the concealed melodies and profound influence resonating within each carefully crafted phrase. Within the depths with this emotional analysis, we can discover the book is central harmonies, analyze their enthralling writing design, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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