



MODEL 900 MIXER/AMPLIFIER

FEATURES

- Controls and mixes eight inputs, with ability to connect two units together to provide 16 inputs.
- Professional quality sliding attenuators.
- Both aural and visual monitoring facilities.
- Plug-in amplifier printed wiring boards, easily changed to comply with differing conditions.
- Built in tone generator to establish correct level.
- Broad frequency response range.
- Low noise level.
- Built-in pads (-15 dB) switchable in or out on microphone printed wiring board.

DESCRIPTION

With the Model 900 Mixer/Amplifier, Electro Sound introduces an important new development in the field of professional sound. Here, modern engineering design is combined with exacting assembly techniques and rigid quality control standards to produce an equipment that is eminently qualified for the most demanding professional application.

In the Model 900, eight inputs can be amplified, controlled, mixed, and fed to a single output. High quality sliding

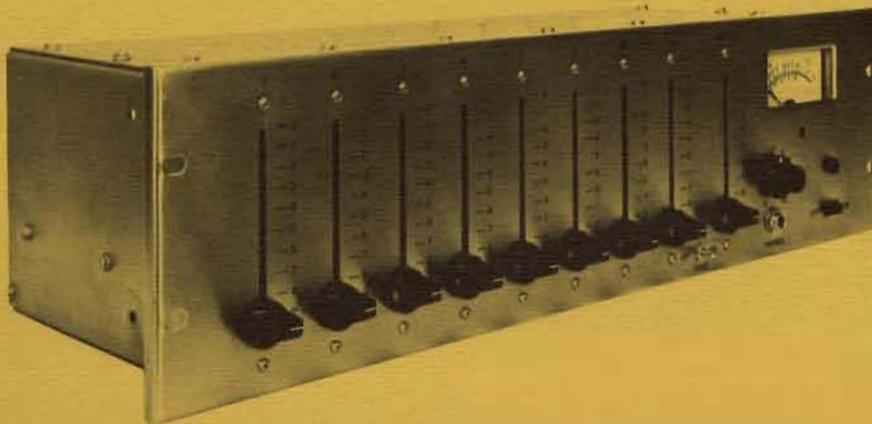
attenuators provide finger tip regulation of level for each of the eight input channels and for the master output. Both aural and visual monitoring facilities are furnished by a headphone jack, with an associated level control, and a vu meter on the front panel.

Plug-in printed wiring boards are available for microphone, phonograph, balanced line (either bridging or matching), and unbalanced line inputs. These boards are quickly accessible and easily changed from one type to another, thus providing utmost flexibility to meet the demands of varying situations. A similar plug-in printed wiring board is employed to supply amplification on the master output line; this board includes an output transformer to provide isolation.

On the microphone printed wiring boards, an input pad is provided to prevent overloading when the microphone is driven by extremely high sound sources. This pad, which can be inserted or removed from the circuit by a switch on the printed wiring board, provides 15 dB attenuation of the microphone signal.

Another feature is a built-in tone generator operating at a frequency of 1,000 Hz. The tone generator is calibrated for use in adjusting normal operating level. It is turned on and off by a toggle switch on the front panel.

For more sophisticated applications requiring in excess of eight input channels, two Model 900 Mixer/Amplifiers can be coupled together and thus make 16 inputs available. Such inherent versatility is characteristic of all equipment Electro Sound offers in its line of professional sound products.





SPECIFICATIONS

Input Impedance	Phonograph: 47,000 ohms, 1,500 ohms, or low impedance (must be specified). Microphone: 150 ohms. Unbalanced Line: 25,000 ohms. Bridging Line: 20,000 ohms.
Output Impedance	600 ohms, balanced, transformer isolated.
Gain	Microphone: 85 dB. Line: 35 dB.
Frequency Response	± 1 dB, 20 to 20,000 Hz.
Output Clip Level	+28 dBm.
Headphone Monitor Clip Level	+15 dBm at 600 ohms.
Noise Level	-120 dB equivalent input noise.
Controls	Nine sliding attenuators (eight for mixer, one for master). One rotary monitor level. One vu meter range switch. One power off-on switch. One test tone off-on switch. One 120/240 volt selector switch (International units only).
Input Connectors	Eight 3-contact female audio receptacles.
Output Connectors	One 3-contact male audio receptacle. Also terminal strip connection.
Power Requirement	Domestic units: 105-125 volts, 50 or 60 Hz. International units: 105-125 volts, 50 or 60 Hz, or 210-250 volts, 50 or 60 Hz (selectable).
Dimensions (in inches)	19 (W) x 5 1/4 (H) x 8 (D).
Weight	18 pounds.
Input Printed Wiring Boards Available	Microphone (low impedance). RIAA phonograph. Balanced bridging line. Balanced matching line. Unbalanced bridging line.