



Transistorized Outside Broadcast Mixer

Type BD 956

THIS UNIT has been designed for use in the field as a four-channel portable amplifier-mixer. Before going into production it was sent on extended field trials in various parts of the world to test its performance in different climates. The results of these trials were excellent and showed that the Company is fully justified in using transistors in sound broadcasting equipment. As a result of their use the unit has been made very small, while its weight including supply unit and battery is less than 15 pounds.

Features

Four low-level inputs, suitable for microphones or transcription heads, switchable for inputs of either 30 or 600 ohms.

One high-level input.

High-level mixing is used.

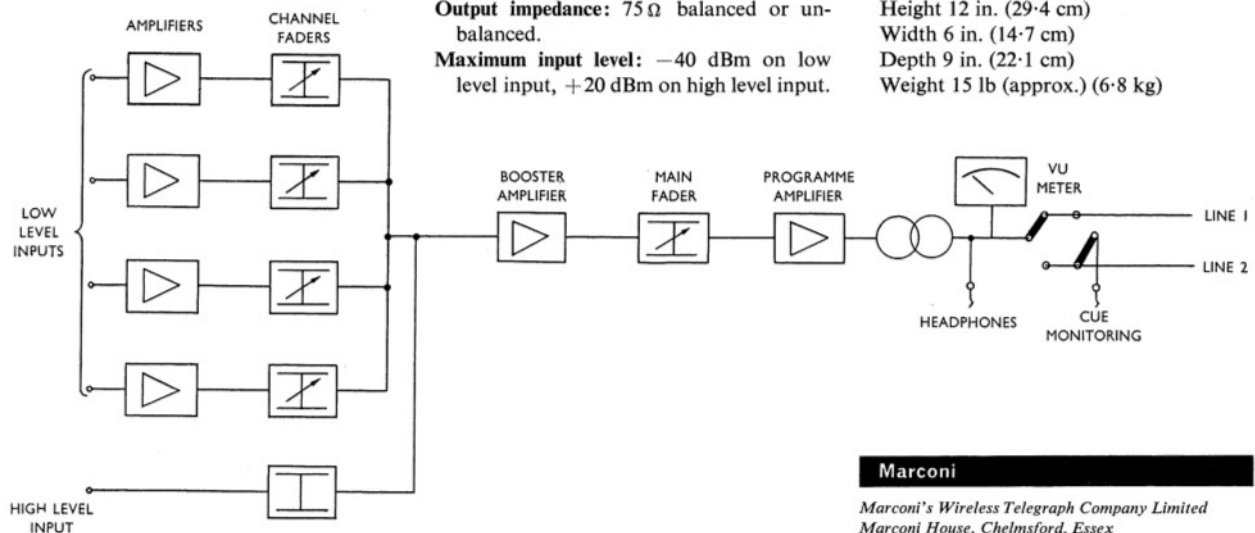
Faders with moulded carbon tracks for noise-free operation without maintenance.

Two alternative output lines, one of which can be used as a cue line.

Monitoring of both output lines by VU meter and headphones.

POWER SUPPLIES

The mains power supply is routed to a transformer which has tappings from 200 to



250 volts. Its output is rectified by a bridge rectifier to 12 volts DC for supply to the transistor amplifier.

Emergency supply is provided by a battery of ten Mallory mercury cells, which are automatically brought in if a mains failure occurs. Terminals are also provided for connection to an external battery.

Data Summary

Input impedance: 30 or 600 Ω balanced or unbalanced.

Output impedance: 75 Ω balanced or unbalanced.

Maximum input level: -40 dBm on low level input, +20 dBm on high level input.

Maximum output level: +20 dBm into 600 Ω .

Maximum gain: 90 dB from low level input, 10 dB from high level input.

Frequency response: ± 1 dB 30 c/s-15 kc/s.

Harmonic distortion: Less than 1% RMS at maximum output.

Noise output: Less than -25 dBm at maximum gain.

Power supply: 200-250 V, 50 c/s.

Power consumption: 3 VA.

Batteries: 10 cells, Mallory Type RM1.

Battery drain: 100 mA.

Dimensions:

Height 12 in. (29.4 cm)

Width 6 in. (14.7 cm)

Depth 9 in. (22.1 cm)

Weight 15 lb (approx.) (6.8 kg)



Marconi

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