

Technical Specification

FEATURES:

- FOUR MICROPHONE INPUTS
- ONE AUXILIARY INPUT
- ACTIVE MIXING
- MASTER VOLUME CONTROL
- HIGH OR LOW IMPEDANCE MICROPHONES
- HIGH OR LOW IMPEDANCE OUTPUTS
- LOW NOISE IC AMPLIFIER CIRCUITRY



DESCRIPTION:

A mixer to increase the number of microphone or program inputs in a sound reinforcement system. The mixer provides active mixing for four low or high impedance microphones and one high impedance auxiliary input. A separate volume control is provided for each input with an overall gain control to adjust the final output level. The unit provides a choice of three output connections: Balanced Mic. level, line or high impedance. Screw terminals are provided for microphone inputs to insure secure connections. The unit can sit on a shelf or be mounted in 19 inch equipment cabinet with the optional rack mount kit. (S-RMK).

Specifications:

INPUT

4 - 600 W Balanced or Unbalanced

NUMBER OF INPUTS

5, 4 High or Low Impedance Microphone Inputs and 1 High Impedance Auxiliary Input

SENSITIVITY ON MICROPHONE INPUT

0.3 mV rms

INPUT VOLTAGE

120 Vac

AUXILIARY IMPEDANCE

10 Kw

OUTPUT

Balanced 600 W Microphone Level, Unbalanced 600 W or Hi Impedance

600 W OUTPUT

2.45 V rms

FREQUENCY RESPONSE

20 Hz - 20 kHz

DISTORTION

< 1%

CURRENT

0.03 amps

HOUSING AND FINISH

Aluminum Housing Finished in Satin Black Anodize

ENVIRONMENT

Temperature: 0 to 50 °C (32 to 122 °F)

Humidity: 0 to 85% Non-Precipitating

DIMENSIONS AND WEIGHT

12" (30.48 cm) W x 6.25" (15.88 cm) D x 3.25 (8.26 cm) H

Weight: 4 lbs (1.8 kg)

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ARCHITECTS' AND ENGINEERS

The mixer preamplifier Model SM-5 shall provide 5 channels of active mixing. The unit shall operate from a 120 V 60 Hz ac source. The mixer shall have a back lighted on/off rocker switch.

Frequency response of the unit shall be 20 Hz to 20 kHz with less than 1% distortion. Sensitivity of the microphone inputs shall be 0.3 mV rms. The 600 W output voltage shall be 2.45 V rms.

The unit shall provide four microphone and one auxiliary inputs. The microphone inputs shall accept either high or low impedance microphones by operating a slide switch for each input. The auxiliary input shall be high impedance (10 kW). Each input shall have a volume control and a master volume control shall also be provided.

Screw terminals shall be provided for microphone inputs and a phono jack shall be provided for the auxiliary input.

Connections to the 600 W output shall be via a screw terminal strip. A high impedance output phono jack shall be provided. The microphone level output shall be brought out on a 3 pin female quick disconnect plug.

The housing shall be constructed of aluminum and finished in satin black anodized. The dimensions shall be 12" (30.48 cm) W x 6.25" (15.88 cm) D x 3.25" (8.26 cm) H. The approximate weight shall be 4 lbs (1.8 kg).

Limited Warranty

Clarity warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Clarity indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened.
(A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Clarity are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs
(*major repairs will be subject to additional charges for parts and labor*).

This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Clarity be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.