

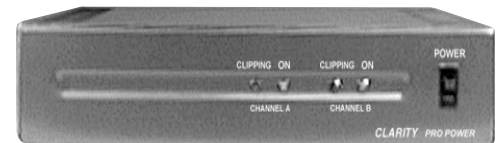


TECHNICAL SPECIFICATIONS

2 CHANNEL POWER AMPLIFIER MODEL SMB-200

FEATURES:

- INPUT VOLUME CONTROL
- POWER AND CLIPPING INDICATOR
- 2 CHANNEL OR BRIDGE MODE OPERATION
- LOW FREQUENCY ROLL OFF (OPTIONAL)
- RACK MOUNT CAPABILITY (KIT OPTIONAL)
- 4 LEVELS OF PROTECTION



DESCRIPTION:

A two channel power amplifier that requires only two rack spaces in a 19 inch equipment cabinet. Designed for use in a wide variety of applications requiring high quality, reliable audio amplification. The power amplifier may be operated in a two channel mode with 100 watts per channel output or in a bridged mono mode with a single 200 watt output. The power amplifier offers: power on and clipping indicators for each channel, stereo or bridged mono operation, volume control for each channel, phono jack input connections and screwdriver terminals for speaker connections. The amplifier enclosure is constructed with 16 gauge steel and finished in metallic charcoal gray. Requires SMA-RMK rack mount kit to mount in 19 inch equipment cabinet. Contour switches located on the back of the unit provide low frequency roll off for horn loads.

SPECIFICATIONS:

WATTAGE OUTPUT

100 Watts rms Per Channel
200 Watts rms Bridge

TYPE OUTPUTS

2 - Channel Mode, 2 Ohm
Bridge Mode, 4 Ohm

FREQUENCY RESPONSE

60 Hz to 25 kHz \pm 2 dB

DISTORTION

< .25 @ 1 kHz Rated Output

SIGNAL-TO-NOISE

> 80 dB

INPUT IMPEDANCE

10 k Ohm

SENSITIVITY

500 mV rms

POWER REQUIREMENTS

120 Vac, 360 Watts

MOUNTING

Wall or Rack

CONTOUR ROLL OFF

350 Hz 6 dB Per Octave

DIMENSIONS AND WEIGHT

17.1" W x 14.75" D x 3.5" H (43.43 cm W x 37.46 cm D x 8.9 cm H)

Weight: 24 lbs (10.8 kg)

ACCESSORIES

SMB-101 - Wall or Shelf Mount 100 Watt 2-Channel Transformer Unit (25/70/100 Volt)

SMB-102 - Wall or Shelf Mount 200 Watt 1-Channel Transformer Unit (70/100 Volt)

SMB-201 - Rack Mount 100 Watt 2-Channel Transformer Unit (25/70/100 Volt)

SMB-202 - Rack Mount 200 Watt 1-Channel Transformer Unit (70/100 Volt)

SMA-RMK - Rack Mount Kit

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS MODEL SMB-200 POWER AMPLIFIER

The SMB-200 booster amplifier shall be a 2-channel 200 watt power amplifier. The amplifier shall provide 2 separate 100 watt channels and also be capable of providing 200 watt in bridge mode operation. A switch located on the back of the amplifier shall selection between 2-channel operation and bridge mode operation.

The amplifier shall provide phone jacks for input connections and screw driver connections for all speaker connections. A separate volume control shall be provided for each input. The 2-channel amplifier shall have separate power on and clipping indicators for each channel. The unit shall provide phono jacks for the input connections and screw terminals for output connections.

The 2-channel shall meet the following performance specifications. The amplifier shall meet its rated output at less than .25% THD. Frequency response shall be 40 Hz to 25 kHz \pm 2 dB. The input impedance shall be 10 k Ohm with a sensitivity of 500 mV rms. The signal to noise ratio shall be $>$ 80 dB. When the contour switch is in the ON position the low frequency roll off shall start at 300 Hz and continue at a rate of 6 dB per octave. The output impedance of the amplifier shall be 2 Ohm each channel and 4 Ohm in bridge mode. The amplifier shall have four levels of protection; ac circuit breakers for each channel, automatic overload limiting circuit protection for each channel, thermal overload protection for each channel and fast response fuses in the dc power supply for each channel. Heat sinks shall be enclosed within the cabinet and adequate ventilation provided for cooling.

The unit shall be shelf mount or rack mountable using an optional rack mount kit. The amplifier finish shall be metallic charcoal gray with white graphics. The amplifier dimensions shall be 17.1" W x 14.75" D x 3.5" H. (43.43 cm x 37.46 cm x 8.9 cm). The weight shall be 24 lbs (10.8 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.