

BA-235 CU

POWER AMPLIFIER



The BA-235 is a 35 W power amplifier for background music and general announcement. It is suited for use in bars, retail stores, and banquet rooms. When used in conjunction with the optional mixer amplifier BG-220 (20 W) or BG-235 (35 W), 2-channel broadcast can be made.

Key features

- Targets simple BGM applications using a single audio source without paging or MOH requirements.
- Remote master volume control.
- RCA pin jack line input.
- Thermal protection circuits shut down to protect system should overheating occur.
- Accessory security knobs for volume control prevent unauthorized volume setting changes.
- Rack-mount kit options.
- UL/cUL listed.

Specifications

* 0 dB = 1 V

Power Source	120 V AC, 60 Hz
Rated Output	35 W
Power Consumption	90 W (rated output), 52 W (based on cULus standards)
Frequency Response	50 Hz - 20 kHz
Total Harmonic Distortion	0.5 % or less, at 1 kHz, rated output
Signal to Noise Ratio	80 dB or more (Band Pass: 20 Hz - 20 kHz, Tone Controls: Centered)
Input	Line In: 0 dB*/+4 dB* (selectable), 10 k Ω , unbalanced, removable terminal block or RCA jack
Output	Speaker: 4 Ω , 25 V (18 Ω) and 70 V (140 Ω), balanced, removable terminal block Bridge: parallel in Line in, removable terminal block
Output Regulation	2 dB or less, no load to full load (1 kHz)
Tone Control	Bass: ± 10 dB at 100 Hz, Treble: ± 10 dB at 10 kHz
Control	Master gain control, Bass tone control, Treble tone control, Input Level selector switch, Remote Volume control, Power ON/OFF switch
Indicator	Power LED, Signal LED, Peak LED
Operating Temperature	0 # to +35 # (32 # to 95 #)
Operating Humidity	35 % to 80 %RH (no condensation)
Finish	Panel: ABS resin, black Case: Steel plate, black, paint
Dimensions	210 (W) x 94.3 (H) x 265 (D) mm (8.27 x 3.71" x 10.43")
Weight	4 kg (8.82 lb)
Included Accessories	Volume control cover: YA-920...1 Removable terminal plug (2 pins)...3 Removable terminal plug (4 pins)...1
Optional Accessories	Rack mounting bracket: MB-25B-BK, MB-25B-J

A&E specifications

The power amplifier shall control one line input signal and deliver an audio output of 35W/60W. Frequency response shall be 50 to 20k Hz with 0.5% or less THD at rated output. The output regulation shall be less than 2dB, no load to full load. The power amplifier shall have one LINE input, unbalanced, with removable terminal block connections as well as a pair of RCA jacks. The LINE input impedance shall be 10k ohms. Line input sensitivity level shall be selectable between 0 dB and +4 dB on the rear panel. The mixer amplifier shall include 25V, 70V and 4 ohm balanced outputs, with removable terminal block connection. Built-in protection circuitry shall monitor current level to minimize potential damage from overloads, and disable output during excessive operating temperature over 221°F (105°C). 2-channel broadcast shall be possible by connecting the MOH/ZONE 2 output of BG-200 Series to the unit's LINE input. Recessed Bass and Treble controls shall be located on the front panel. Accessory volume control security knob shall be included to prevent the accidental change of input volume settings. The power amplifier shall incorporate REMOTE VOLUME terminals for control with an external 10k ohm linear-taper potentiometer. The power amplifier shall be cULus-Listed and capable of operation from a 120V AC / 60 Hz line breaker. Dimensions (W x H x D) shall be 8.27" x 3.71" x 10.43" (210 x 94.3 x 265 mm). Net weight shall be BA-235: 8.82 lbs. (4 kg); BA-260: 10.14 lbs. (4.6 kg). Front panel finish and material shall be black ABS resin and case finish (and material) shall be black steel plate. The power amplifier shall be TOA model BA-235 / BA-260. The optional rack-mount bracket shall be TOA model MB-25B-BK. The optional rack-mount bracket (two units) shall be TOA model MB-25B-J.