

MP-A250B

Mini Audio Amplifier



Compact Class-D digital amplifier

Designed with three audio inputs, switchable stereo/mono output, EQ adjustment and intuitive LED status indication. The manual identifies classroom and conference-room applications as suitable use cases.

KEY FEATURES

- 3 audio inputs: L+R stereo, 3.5 mm analog, and optical fiber.
- Switchable stereo / mono output.
- Stereo output: 2 × 50 W @ 8 Ω; Mono output: 1 × 100 W @ 4 Ω.
- LINE, BASS and TREBLE adjustment with front-panel rotary volume control.
- Audio LOOP output; up to 255 amplifiers can be looped in the same operating system.
- Control via RS232, IR IN and TCP/IP; GUI control is supported.
- Power-off memory and LED indicators for input, control and volume status.

TECHNICAL SPECIFICATIONS

Category	Specification
Input Signal	(1) L+R stereo audio; (1) 3.5 mm analog audio; (1) optical fiber audio
Input Connector	(2) RCA; (1) 3.5 mm mini jack; (1) SPDIF
Input Impedance	>10 kΩ
Output Signal	(1) LOOP; (2) Stereo audio; (1) Mono audio
Output Connectors	(1) 3.5 mm jack; (1) 4-pin 5.08 mm connector
Control	(1) RS232; (1) IR IN; (1) TCP/IP
Control Connectors	(1) 3-pin terminal block; (1) 3.5 mm mini jack; (1) Female RJ45
SNR	80 dB
THD + Noise	1% @ 1 kHz, 50 W
Separation	75 dB, 20 Hz–20 kHz
Damping Coefficient	>100
Voltage Gain	32 dB
Output Power	100 W @ 4 Ω / 2 × 50 W @ 8 Ω
Power Supply	36 V DC, 2.7 A
Power Consumption	1.48 W (Max)
Operating Temperature	−10 °C to +55 °C

Category	Specification
Storage Temperature	–25 °C to +70 °C
Relative Humidity	10%–90%
Dimensions (W × H × D)	148 × 44 × 165 mm
Net Weight	About 720 g

SYSTEM & CONNECTIVITY

Audio Inputs	RCA L/R • 3.5 mm analog • Optical
Audio Output Modes	Stereo 2 × 50 W @ 8 Ω • Mono 1 × 100 W @ 4 Ω
Looping	3.5 mm TRS LOOP output; up to 255 units
Control Interfaces	RS232 • IR IN • TCP/IP
Typical Applications	Classrooms • Conference rooms

Source: MP-A250B User Manual, Version MP-A250B_2025V1.0. Specifications and terminology above are taken from the supplied manual.