

A-5006 1CE

MIXER AMPLIFIER



The A-5006 is a half-rack 1-unit size 60 W desktop mixer power amplifier. Inputs 1 and 2 can be set for either MIC or LINE sound sources, and its output is compatible with both high-impedance (100 V and 70 V lines) and low-impedance (4 ohms) speaker connections. Functions can be set with a PC using the dedicated setting software. The A-5006 is ideal for use as a power amplifier in small commercial facilities and conference rooms. With the use of an optional rack mounting bracket, it can be mounted in an EIA Standard equipment rack (1 unit size).

Key features

- 60 W or 120 W
- 2 x mic/line inputs with mute function
- 5-band Parametric Equalizer for each input and output (DSP)
- Remote Master Volume Control
- Mute (Mic 1 priority: Manual mute)
- Compressor for both input 1 and 2

Specifications

Power Source	100-240 V AC, 50/60 Hz
Rated Output	60 W
Power/Current Consumption	106 W (rated output), 20 W (based on cULus standards) Max. 2 A
Frequency Response	50 Hz - 20 kHz (1/8 rated output)
Distortion	1 % or less (1 kHz, rated output)
Input	INPUT 1, 2: MIC -60 dB(*1) LINE -20 dB(*1) MIC/LINE selectable 2.2 k Ω , electronically-balanced, removable terminal block (5 pins) INPUT 3, 4: LINE -20 dB(*1), 10 k Ω , unbalanced, RCA pin jack
Output	SPEAKER: 4 Ω , 70 V (83 Ω), 100 V (170 Ω), removable terminal block (5 pins)
Signal to Noise Ratio	MIC 1, 2: 50 dB or more LINE 1 - 4: 70 dB or more (A-weighted)
Function	Parametric equalizer: 5 points settable on each input and output 20 Hz - 20 kHz \pm 15 dB Q: 0.267 - 69.249 Compressor: ON/OFF settable on Inputs 1 and 2 (OFF by default) Threshold, Ratio, Attack time, Release time, and Gain are settable independently on each input.
Control	Mute control, Remote master volume control, Power ON/OFF switch, Ground lift
LED Indicator	Power indicator, Signal indicator, Peak indicator, Protect indicator
Network I/F	100BASE-TX
Operating Temperature	0 # to +40 # (32 # to 104 #)
Operating Humidity	35 % to 80 %RH (no condensation)
Finish	Panel: PS resin, black Case: Surface-treated steel plate, black, paint
Dimensions	210 (W) x 52.5 (H) x 375 (D) mm (8.27 x 2.07" x 14.76")
Weight	3.6 kg (7.94 lb)
Included Accessories	Large type removable terminal plug (5 pins) x 1, Small type removable terminal plug (5 pins) x 2, Plain washer (*2) x 6, Bracket mounting screw (M3 x 10) (*2) x 6, Power supply cord (2 m (6.56 ft) x 1
Optional Accessories	Half width blank panel: MB-15B-BK (for rack mounting one A-5006 unit) (*2) Rack joint bracket: MB-15B-J (for rack mounting two A-5006 units) (*2) Rack runner: YA-706

(*1) 0 dB = 1 V

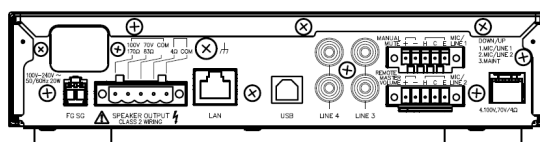
(*2) When using the optional MB-15B-BK or MB-15B-J, use the bracket mounting screws supplied with this unit.

Product rear image

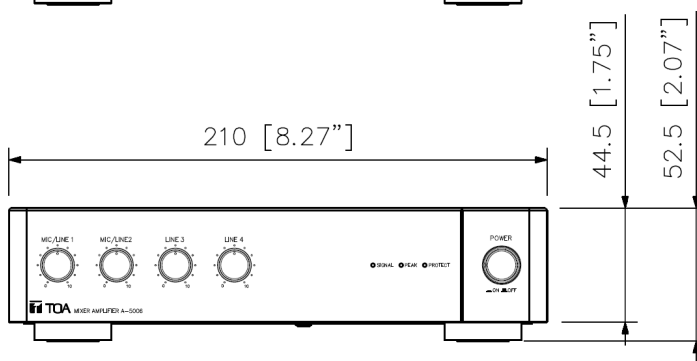


Dimensions

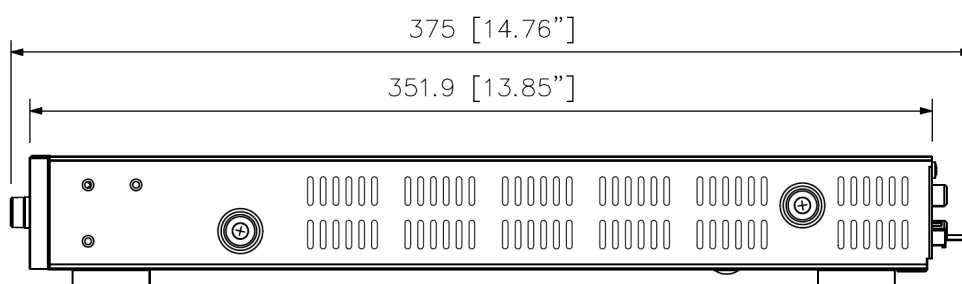
Rear View



Front View



Side View



Model	1CE	4CE
AC plug		

UNIT:mm

A&E specifications

The mixer power amplifier shall use digital class-D technology with a power output of 60 W and shall include 4 inputs and switchable 100 V (170 ohms), 70 V (83 ohms) line output, or 4 ohms low impedance output. Inputs 1 and 2 shall be electronically balanced and selectable via DIP switches located at the rear, offering MIC or LINE with priority facilities on input 1. Input 3 and 4 shall be fixed LINE unbalanced using RCA pin jack connectors. Inputs 1,2 and output connections are via 5 pin removable terminal blocks. The device shall have a frequency response of 50 Hz – 20 kHz. Digital signal processing (DSP) functions shall be available via PC using the supplied software (recorded on CD) connected to the RJ45 LAN port offering; 5 point parametric equalization on each input and output, compression ON/OFF shall be available on inputs 1 and 2 and gain can be set independently on each input. The mixer power amplifier shall have mute facilities, or a pre-determined level, by a no-voltage contact and can be enabled or disabled via the supplied software. If a microphone with a talk switch is used on input 1 all audio of other sources will be muted. The unit's master volume can be remotely adjusted externally by means of a 10 k Ω variable resistor connected to the rear of the unit. The LED indicator on the front panel shall indicate Power (green) Signal (green) Peak (red) Failure (red). Power requirements shall be Universal AC 100 – 240 V AC. The unit shall use only half width standard EIA component rack space and its dimensions shall be 210 (W) X 52.5 (H) X 375 (D) mm (8.27" x 2.07" x 14.76"). Weight shall be 3.6 kg (7.94 lb.) and finished in black PS resin front panel with black surface-treated steel plate case. Optional extras: Half width blank panel: MB-15-BK, Rack jointing bracket: MB-15B-J, Rack runner: YA-706 manufactured by TOA Corporation