

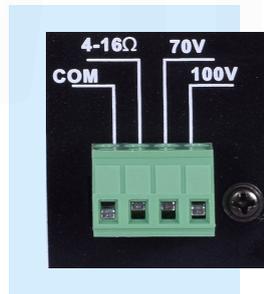


Power/ Signal protection
USB/ Bluetooth/ Aux inputs

The New JB Series is an economical and rugged power amplifier designed to meet the needs of system integrators.

The JB240D is a plug-and-play cost effective power amplifiers that deliver 240 Watts to constant voltage or 8 ohm loads. Built with premium quality and protections, they offer basic functionality at a budget price. The amplifiers offer 70 V, 100 V for constant voltage loud speaker systems and a low impedance output for 4 to 16 ohms loudspeaker load. They can be combined with the JB300 5 zone power amplifiers where more power on an existing 100 V line is needed. The system has a balanced input and loop through facility making it easy to connect multiple amplifiers.

- 3 microphone inputs/ 2 RCA line input**
- 70/100 volt or 4 to 16 ohm outputs**
- Line and Record Level Outputs**
- Mic input 1 with priority muting**
- Integrated Bass and Treble tone controls**
- 2U rack mount design**



70V/100V/4 -16 ohms



Priority muting

Protection

The amplifier is protected against overload and short circuits. A limiter protects the amplifier and loudspeaker against accidental overdriving.

High Power, Low Distortion

240W (JB240D) Of RMS Power at less than 0.5% THD

LED Indicators:

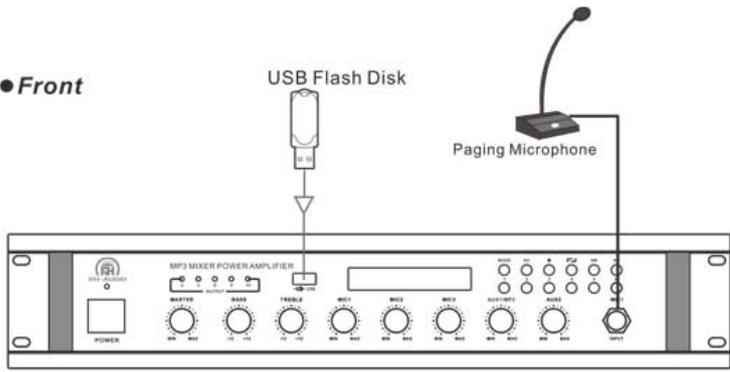
*Power ON *Signal * Protection

JB60 , JB120 and JB240D are based upon the reliable performance of the Class D amplifiers. Designed for wide range of applications in facilities such as retail outlets, villas, performance halls, places of worship, sports clubs, gymnasiums, class rooms, conference rooms, dance venues, pubs, and FGM/BGM systems. The JB Series provides unmatched performance, the right power for the job at an affordable price.

Specifications

Rated Power	240W
Output Mode	4-16 ohms;70V/100V line voltage
6 zoned Ouput	100V line voltage
MIC Input	MIC1/ MIC2/MIC3:600 ohms 5-8 mV, Unbalanced
AUX Input	AUX1/ AUX2:10k ohms 150-470 mV, Unbalanced
FM Frequency Range	87.5 MHz~108 MHz
External Audio Input	USB slot, RCA connector
Frequency Response	60Hz~15kHz(±3dB)
THD	<0.5% at 1kHz,1/3 rated power
S/N	Line:85 dB, MIC:>72 dB
Tone	BASS:100 Hz(±10dB), TREBLE:12kHz(±10dB)
Muting Function	MIC1 overrides MIC2, MIC3, AUX1, AUX2 with 0~30dB dB attenuation
Cooling	DC 12V FAN
Protection	AC fuse, short circuit, overload, high temperature
LED Indicators	POWER, SIGNAL, CLIP, PROTECT
Power supply	Optional
Power Consumption	350W
Dimensions	89(H)x483(W)x366(D)mm
Packing Size	185(H)x520(W)x435(D)mm
Net Weight	7.5 Kg
Gross Weight	9 Kg

● Front



Connection illustration

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

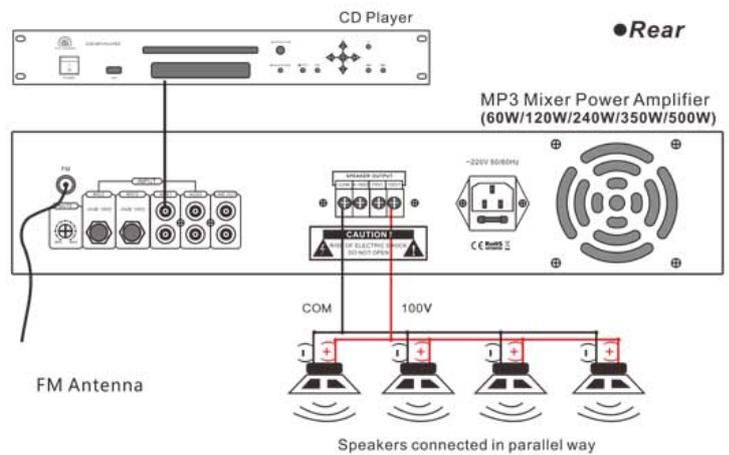
The panel shall be Aluminium alloy and the case black steel plate. Dimensions shall be 483 (W) × 72 (H) × 366 (D) mm, and weight 7.5 kg.

The mixer power amplifier shall operate on 220VAC 50 to 60Hz mains power. Speaker outputs shall be high-impedance and low-impedance, and there shall be a low-impedance REC out. The amplifier shall control and mix 3 unbalanced (phone jack) MIC, 2 unbalanced (RCA pin jack) AUX input and Mp3 (USB)/Blue-tooth inputs.

The amplifier shall meet the following performance criteria: Power output shall be 240 Watt, less than 0.5% THD (at 1kHz, 1/3 rated power). Frequency response shall be 100 Hz to 16kHz (±3 dB), with an S/N ratio of over 80 dB. Muting of other input signals shall be available for MIC 1.

Bass Tone Control shall be ±10 dB at 100 Hz, and Treble Tone Control shall be ±10 dB at 12 kHz. Power, signal level and short protection indicators shall be provided. Separate volume controls for Mic, USB, Line inputs shall be provided. Separate Bass and Treble controls shall be provided.

The JB240D amplifier topology shall be Class D. Power consumption of JB240D shall be less than 350Watts.



The JB240D PA Installation Amplifier is designed as compact, ergonomic model, and overall 4/8 ohms(Ω) loads and features 100 volt and 70 volt load solution.



As part of awWILLS's ongoing commitment to product development, specifications are subject to change without notice.