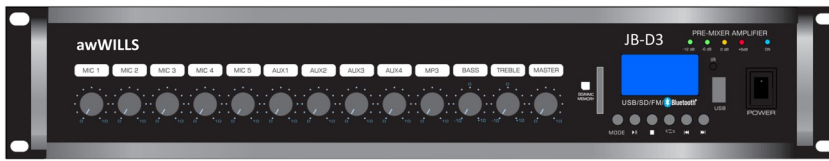


MIXER/ PRE-AMPLIFIER

awWILLS
audio intelligence



10 Channel Pre-amplifier
with Bluetooth/ USB/ FM inputs

JB-D3 Versatile, high performance Pre-amplifier with call and BGM (background music). It fulfills a wide variety of public address requirements at a surprisingly low cost. The JB-D3 pre-amplifier is engineered for high performance with wide frequency response, very low noise and distortion, and excellent output regulation.

Features:

- Rack mount 19" 2U 10 channel mixer pre-amplifier with audio source
- 10 Inputs & 3 Outputs pre-amplifier for Public Address System
- AUX in/out to connect with power amplifier and audio source player
- Each channel with independent volume adjustment
- Support Bluetooth, USB/Mp3 and FM
- 10 Audio Inputs (5 Microphone, 4 Line/AUX, 1 Emergency)
- 3 Audio Outputs (1 XLR balanced, 2 RCA unbalanced)
- Microphone with Phantom DC48V power supply
- Microphone input with priority function
- EMC as the highest priority function
- 5 LED indicator
- 13 independent volume controls
- IR remote control

Specifications

Model	JB-D3
Description	10 Channel Pre-Amplifier Bluetooth, USB/Mp3 and FM
Functions	10 Audio Inputs, 3 Audio Outputs
AUX/MIC	AUX1-2: 500mV/10Kohms (Ω), MIC1-3: 1-6mV/ MIC 1 at 48V
Frequency Response	80Hz ~ 20KHz (± 3 dB)
S/N Ratio	75dB
THD	<0.5% at 1KHz 100V -3dB
Tone Control	Bass: 100Hz ± 10 dB, Treble: 10Hz ± 10 dB
Protection	AC FUSE T1AH 250VAC
Power Consumption	10 ~ 15W
Power Supply	AC220V~240V/50~60Hz Panel: Aluminium alloy: 2U height
Material	Case: steel plate, black colour
Net Weight/Dimension	5.5 KG / 88 (H) \times 485 (W) \times 340 (D) mm
Gross Weight/Package	6.95 KG / 550*455*183 mm



© Rear

The BGM channel provides four inputs on stereo, converted to mono, with front panel selection, volume control and bass and treble tone controls optimized for music. The BGM channel has direct outputs on XLR and cinch-connectors.

Controls and indicators

Front panel:

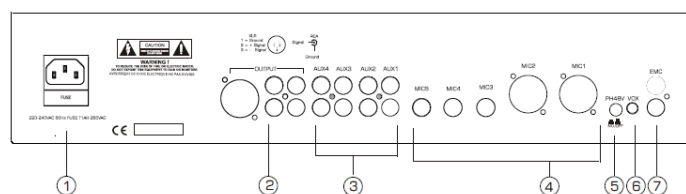
- Power on LED
- Separate volume control for each input
- Master volume control
- Bass, Treble controls
- USB/MP3, Bluetooth inputs

Rear panel:

- 70 V/ 100 V and 4-16 ohm speaker outputs
- XLR socket and RCA jack input
- Direct inputs for connecting an external audio sources for BGM and announcements
- Phantom power option for MIC 1
- 5 MIC. 4 AUX, 1 EMC inputs
- 2 RCA and 1 XLR outputs

An emergency input with signal level detector (VOX) and volume preset has the highest priority to all zones.

Back panel



① AC Power input

② Signal output

③ 4 AUX input

④ 5 MIC signal input

⑤ Fantasy power supply

⑥ Priority control

⑦ EMC Signal input

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

MIXER/ PRE AMPLIFIER JB-D3

The panel shall be Aluminium alloy and the case black steel plate. Dimensions shall be 88(H)×485(W)×340(D) mm, and weight 5.5 kg.

The pre-amplifier shall operate on AC220V~240V/50~60Hz mains power. The pre- amplifier shall take unbalanced and balanced (phone jack and XLR) inputs and can be linked to a maximum of 3 power amplifiers.

The amplifier shall meet the following performance criteria: Power output shall be 100Watts/ 1500 Watts and 2000 Watts, less than 0.5% THD (at 1kHz). Frequency response shall be 80 Hz to 20 kHz (± 3 dB), with S/N ratio of over 75 dB.

Volume control for the single channel and bass/ treble controls shall be provided.

The JB1000/1500/2000 amplifier topology shall be Class AB. Power consumption of JB-D3 shall be 15Watts.

The JB-D3 Pre-amplifier is designed with a 2U height housing with 19 inch rack mounting brackets.



It can provide BGM for up to six different zones, using JB 5 zone power amplifiers.

Related products



Power amp JB1500



100 V converter



5 zone amp JB300



6 zone amp JB550

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