

MA2250U

2x250W Mosque PA Mixer Amplifier with Bluetooth/USB



Description

The 2x250W Mosque PA Mixer Amplifier with Bluetooth/USB is a 2-channel multimedia mosque mixer amplifier with a total RMS power output of 2x250W, designed for multi-zone audio distribution in public address and background music systems.

It features independent dual-channel output control with adjustable echo, bass, treble, and volume settings, providing flexible sound tuning for different environments. The unit integrates multiple input sources including microphones, AUX, USB, and Bluetooth, ensuring versatile audio playback and mixing capabilities. This amplifier is suitable for use in mosques, supermarkets, meeting rooms, training rooms, and other indoor audio environments requiring clear and reliable sound reinforcement.

Features

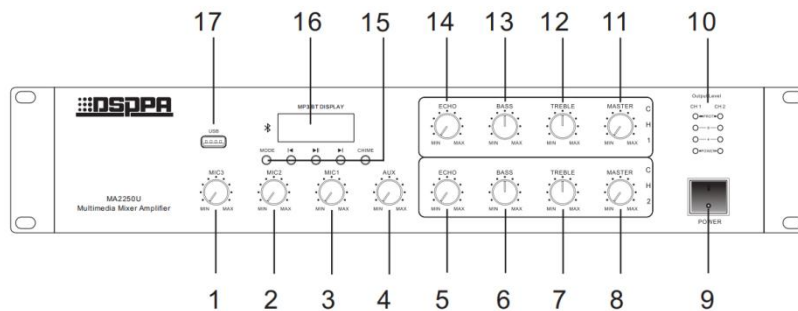
- 2-channel amplifier with total RMS power output of 2x250W.
- Supports 70V / 100V constant voltage and 4–16Ω low impedance speaker systems.
- Independent dual-channel control for volume, echo, bass, and treble adjustment.
- Built-in 3 microphone inputs and 1 AUX input.
- Integrated USB playback and Bluetooth wireless audio streaming.
- MIC1–MIC3 with 48V phantom power support (MIC1 combo input, MIC2–MIC3 XLR inputs).
- Individual volume control for each microphone and AUX input.
- Priority system: Chime > MIC1–MIC3 > AUX / USB / Bluetooth.
- Built-in chime function for paging and announcements.
- System protection: overload, clipping, short circuit, and thermal protection.
- Standard 19-inch rack-mount design with handles.
- AC 220–230V power supply (50/60Hz).

Specifications

Model	MA2250U
Rated Power	2 × 250W
Output Interface	Barrier Terminal Block
AUX Input Sensitivity	350MV
MIC Input Sensitivity	20k Ω /Balanced, 10k Ω / unbalanced
SNR	≥75dB
Tone Adjustment	Bass: ±10dB Treble: ±10dB
Frequency Response	45Hz-20kHz (±1dB)
Distortion	<0.1%@1KHz
Power Supply	AC220-240V/50Hz
Protection	Load short circuit, DC output, power on/off, over temperature
Power Consumption	700W
Machine Size	(L×W×H) 484×412×90mm
Package Size	(L×W×H) 535×470×165mm
Net Weight	16.0kg
Gross Weight	16.8kg

Front / Rear Panel

Front Panel



1. Volume Adjustment Knob for MIC 3
2. Volume Adjustment Knob for MIC 2
3. Volume Adjustment Knob for MIC 1
4. Volume Adjustment Knob for AUX Input
5. CH2 Microphone Echo Volume Adjustment Knob
6. CH2 Bass Gain Adjustment Knob
7. CH2 Treble Gain Adjustment Knob
8. CH2 Master Volume Adjustment Knob
9. Power Switch
10. Output Level Indicator
11. CH1 Master Volume Adjustment Knob
12. CH1 Treble Gain Adjustment Knob
13. CH1 Bass Gain Adjustment Knob
14. CH1 Microphone Echo Volume Adjustment Knob

15. Button Function

MODE: switch to USB disk input, Bluetooth input playback modes

◀ Play the previous song, long press the button to increase volume

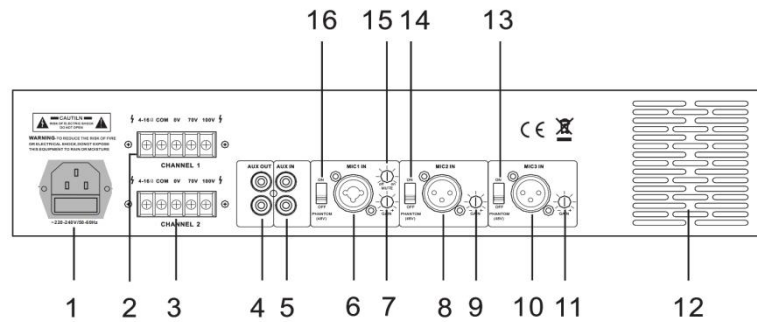
▶|| Play / Pause

▶| Play the next song, long press the button to decrease volume

CHIME: Four Chimes Output, with mute function, can give priority to MP3, Bluetooth, AUX, MIC2/MIC3

16. MP3 Display Screen
17. USB disk Output Port

Rear Panel



1. AC Power Input Port, Input Voltage: AC220V / 50Hz
2. CH1 Output Wiring Port, COM-4-16Ω for constant resistance output,0-70V-100V for constant voltage output
3. CH2 Output Wiring Port, COM-4-16Ω for constant resistance output,0-70V-100V for constant voltage output
4. AUX OUT for Auxiliary Output
5. AUX IN for AUX Signal Input
6. MIC1 input port, this port is divided into two ways, respectively 6.3 and XLR, the port can also be equipped with 48V phantom power supply,
MIC input port also has a mute function (adjustable), priority over MIC2, MIC3, AUX, MP3, Bluetooth
7. MIC1 Gain Adjustment Knob
8. MIC2 Input Port, which is an XLR port and it can also be equipped with 48V phantom power supply
9. MIC2 Gain Adjustment Knob
10. MIC3 Input Port, which is an XLR port and it can also be equipped with 48V phantom power supply
11. MIC3 Gain Adjustment Knob
12. The internal cooling vents of machine, please do not block
13. MIC3 +48V Phantom Power Switch
14. MIC2 +48V Phantom Power Switch
15. MIC1 Priority Function Sensitivity Adjustment Knob
16. MIC1 +48V Phantom Power Switch