

MP35UB MP60UB MP120UB

Mini Digital Mixer Amplifier with USB/FM/Bluetooth



MP35UB



MP60UB



MP120UB



Description

This series of products are 1.5U mini digital mixer amplifiers with USB/FM/Bluetooth, with speaker output of 70V/100V & 4-16Ω optional. Models vary from power to power. MP35UB/MP60UB/MP120UB corresponds to 35W/60W/120W. The product holds 2 AUX inputs and 1 AUX output. Also, it has 2 MIC inputs. The MIC 1 is a 6.3mm jack on the front panel and the MIC 2 is a XLR port on the rear panel. The phantom power is available in MIC 2. In addition, it provides individual volume control for each MIC and AUX, and has bass and treble control. What's more, it has 2 EMC signal inputs (100V/375mV) and 1 EMC output.

Features

- Built-in Bluetooth, FM, and USB function.
- 2 MIC inputs, 2 line inputs, 1 line output.
- 2 EMC inputs (100V/375mV), 1 EMC output.
- Support 100V/70V constant voltage output, and 4-16Ω constant resistance output.
- Can be controlled by the infrared remote controller.
- With priority function, the priority is EMC/MIC1>AUX1/AUX2/MIC2.
- With master volume control, individual volume control for MIC & LINE, treble and bass volume control.

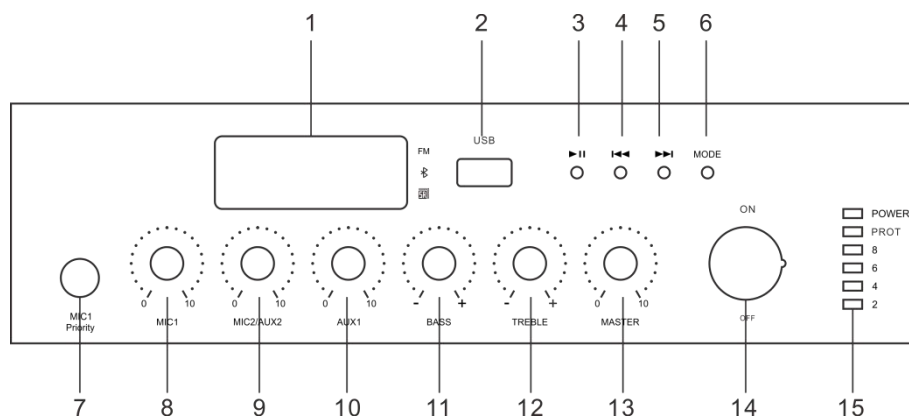
Specifications

Model	MP35UB	MP60UB	MP120UB
Power Supply	~110-240 50/60Hz		
MIC1 Input Sensitivity	5.5mV±1mV		7mV±1mV
MIC2 Input Sensitivity	5.5mV±1mV		7mV±1mV
AUX1 Input Sensitivity	350mV±10%		300mV±10%
AUX2 Input Sensitivity	350mV±10%		300mV±10%
EMC Input Sensitivity	350mV±10%		

MIC Frequency Response	200Hz~10kHz (±3dB)		100Hz~8kHz (±3dB)
AUX Frequency Response	100Hz~15kHz (±3dB)		80Hz~15kHz (±3dB)
Noise	<5mV (4Ω load out)		≤6mV (4Ω load out)
Distortion	<1% 1KHZ		
Treble Adjustment	10dB (±2)		
Bass Adjustment	10dB (±2)		
Rated Output Power	35W	60W	120W
Interface Output Mode	70V, 100V (constant voltage output), 4-16Ω		
Machine Size (D×W×H)	198×247×66mm		
Package Size	302×343×121mm (1PC)		
Maximum Package Size	355×630×283mm (4PCS)		
Net Weight	2.55kg	2.6kg	3kg
Gross Weight	3.2kg (1PC)	3.25kg (1PC)	3.7kg (1PC)

Front / Rear Panel

Front Panel



1. Display screen

2.USB interface

Insert the USB to provide program to the built-in MP3.

3. Play / Pause

In USB and Bluetooth mode, this key is Pause & Play.

In FM mode, this key is auto search.

4. Previous song/(Previous FM when in FM mode)

In USB and Bluetooth mode, press this key to switch to the “previous song”.

In FM mode, press this key to switch to the “previous FM”.

In FM/Bluetooth/USB mode, long press this key to turn down the volume.

5. Next song/(Next FM when in FM mode)

In USB and Bluetooth mode, press this key to switch to the “next song”.

In FM mode, press this key to switch to the “next FM”.

In FM/Bluetooth/USB mode, long press this key to turn up the volume.

6. Mode main function key

Bluetooth mode, USB mode, AUX input mode, FM mode can be switched.

7. MIC1 Input

This button has priority function. (same level with EMC input signal on the real panel).

8. MIC1 volume adjustment

Adjust the volume of MIC1, clockwise to turn up the volume, counterclockwise to turn down the volume.

9. MIC2/AUX2 volume adjustment

Adjust the volume of MIC2/AUX2, clockwise to turn up the volume, counterclockwise to turn down the volume.

10. AUX1 volume adjustment

Adjust the volume of AUX1, clockwise to turn up the volume, counterclockwise to turn down the volume.

11. Bass volume adjustment

Take the central position as the benchmark, counterclockwise to turn down the bass, clockwise to turn up the bass.

12. Treble volume adjustment

Take the central position as the benchmark, counterclockwise to turn down the treble, clockwise to turn up the treble.

13. Master volume adjustment

Adjust the level of all signals (except EMC signal on the rear panel), clockwise to turn up the volume, counterclockwise to turn down the volume.

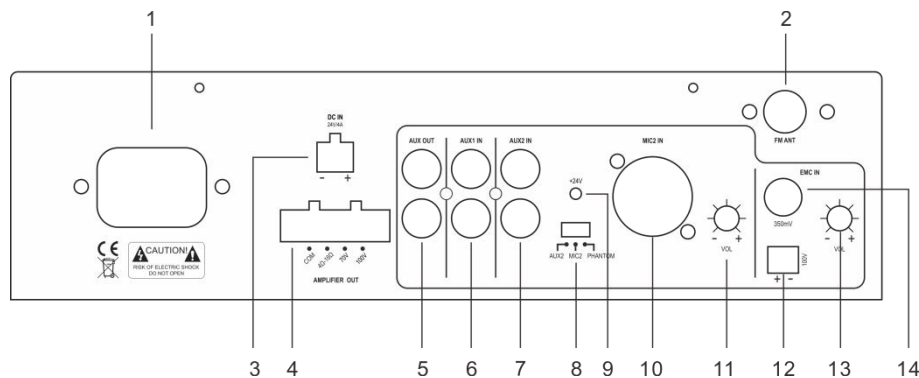
14. Power switch

Press "ON" to turn on the power, press "OFF" to turn off the power.

15. Level indicator

Audio output level display.

Rear Panel (Take MP120UB as an example)



1. Power input

Connect the power plug from this interface. Insert the plug into the machine, and then connect the power grid.

2. FM antenna interface

Connect the FM antenna to this interface.

3. DC power input

DC24V backup power input interface. (DC24V IN, only half power output for MP120UB)

4. Audio power output

Note: Any terminal of the power output cannot be connected to "Ground wire" directly or through other devices.

5. AUX output

6. AUX1 input port

7. AUX2 input port

8. Audio source selection switch (AUX2-MIC2) (Note: When you operate this switch, you need to turn the volume down or turn off the device)

AUX2, MIC2/24V (MP35UB/60UB is 48V) phantom power switch, toggle the switch left and right to choose.

9. Indicator of phantom power (MP35UB/60UB is 48V, MP120UB is 24V)

10. MIC2 balanced input interface

11. AUX2/MIC2 volume control

12. 100V emergency signal input (When using external 100V emergency signal input, the ground wires of the two devices can not be connected together.)

13. Emergency input volume control

14. General emergency signal input port