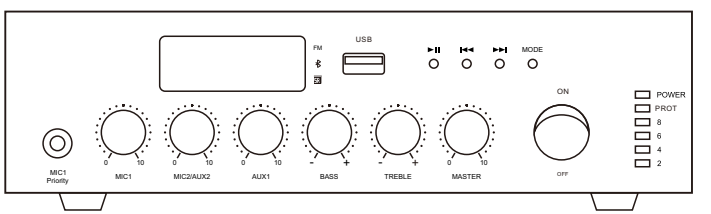
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Mini Mixer Amplifier

www.dsppatech.com

MP35UB
MP60UB
MP120UB



USER MANUAL

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Guangzhou DSPPA Audio Co., Ltd

Packing list

List	Quantity
Mini Mixer Amplifier	1
User Manual	1
Remote Controller	1

Performance

Model	MP35UB	MP60UB	MP120UB
Power Supply	~110-240V 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)		
Speaker Outputs	35W	60W	120W
Interface output voltage	70V,100V(Constant voltage output), 4-16Ω		
Machine size(D×W×H)	198×247×66mm		
Packing size	302×343×121mm (1PC)		
Maximum packing size	355×630×283mm (4PCS)		
Net Weight	2.55kg	2.6KG	3KG
Gross Weight	3.2Kg (1PC)	3.25Kg (1PC)	3.7Kg (1PC)

Safety Precautions

Warning! To reduce the risk of electric shock or equipment damage, please follow the following requirements:

- Please do NOT connect this device to the power source, before the system is correctly wired.
- It is important to ensure that input voltage to the device is the same as required voltage of the device; otherwise the device may be damaged.
- There is dangerous voltage in the device, which may cause personal electric shock. Please do NOT open the case without permission, to avoid potential risks of electric shock.
- The device is not completely disconnected from power source when it is switched "OFF". For sake of safety, please disconnect the device from the socket if it is not in use.
- Please do NOT place the device where it is extremely cold or hot.
- Good ventilation must be provided in the working environment of the device, to avoid excessive temperature during its operation, which may cause damages to the device.
- Please unplug the device from power socket in raining and wet days or if the device is not in use for a long time.
- Please disconnect the power plug from sockets, to ensure the device has been completely disconnected from power source, before any component is removed from or re-installed in the device or before any electric connector of the device is disconnected or reconnected.
- In case of any failure of the device, please do NOT open the case and repair without permission from a professional personnel, to avoid accident or additional damages to the device.
- Please do NOT place any corrosive chemicals near or on the device.

Please note the following symbols:



Lightning triangular symbols are used to alert the user to the risk of electric shock.



The exclamation point triangle symbol is used to alert the user to important operational or maintenance instructions.

Instructions for action

1.MIC mode
When the Microphone is broadcasting in any mode, the system will detect the MIC and mute the others sources. It will return to the original play status when the MIC has no signal.

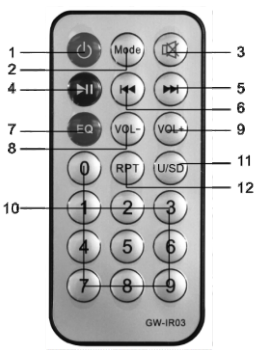
2.Bluetooth mode
Press MODE to display “BLUE” on the digital screen, the “BLUE” will always flash until device and mobile phone pairing success, take the name is “MIXER AMP BLUETOOTH”. After finishing the pairing, the user can play music on the mobile phone. With excellent wireless transmission function, and the wireless transmission distance is ≈10m.

3.USB mode
When the USB access, it will be USB mode automatically (plug and play)

4.Line mode
In line mode, press MODE, digital screen will display “AUX”

5.FM mode
Operation details please view the part 3, 4, 5 of “front panel”

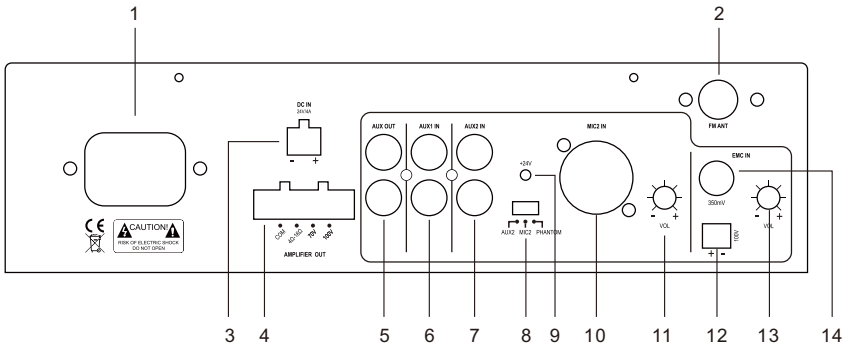
Remote control instructions



Function key description

1. Power switch (MP3/FM/BT)
2. Mode: AUX,FM, BT and MP3 mode switch
3. Mute: MP3, FM and BT Mute key. Pressing this key, the currently playing program is muted, and the LED display screen will flash.
4. Play/ Pause key (MP3/BT), Radio channel selection: repeatedly to recall the stored station
5. Previous song (MP3/BT), Previous channel (FM)
6. Next (MP3/BT), Next channel (FM)
7. EQ: Press this key you could choose different sound effects when in MP3 mode. You could choose Classical, Jazz, Rock, DBB, and Pop mode.
8. Vol-: MP3/FM/BT volume decrease
9. Vol+:MP3/FM/BT volume increase
10. 0-9 number key: select MP3 player's song by serial number or stored the searched radio program by serial number
11. U/SD: When in MP3 mode, switch USB disk or SD card to play
12. RPT: When in MP3 mode, repeat one or repeat all

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

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Introduction

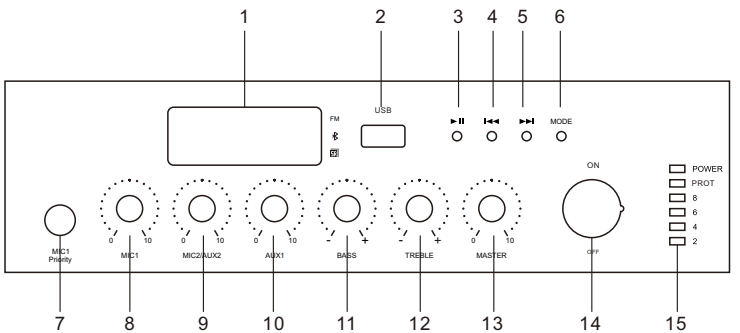
Thanks for using our products. All our products are tested strictly before leaving the factory, with guaranteed quality.
Our products are widely used in such places as schools, gymnasiums, square halls, parks, parking lots, railway stations, airports, villa communities and mall supermarkets, etc., and they will be your ideal choice for public address system.
For better installation, commissioning and use of the product, please read this manual in detail before installation.

Profile of Product

Product 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.

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.