::DSPPA

Public Address System

Mini Mixer Amplifier

MP60U

MP35U

::DSPPA
MP60U Mixer Amplifier

BLUE

FM USB VOL- VOL+ 2 4 6 8 10 PROT POWER MODE

MIC1 MIC2 MIC3AUX2 AUX1 BASS TREBLE MASTER ON

MIC1
Priority

OFF
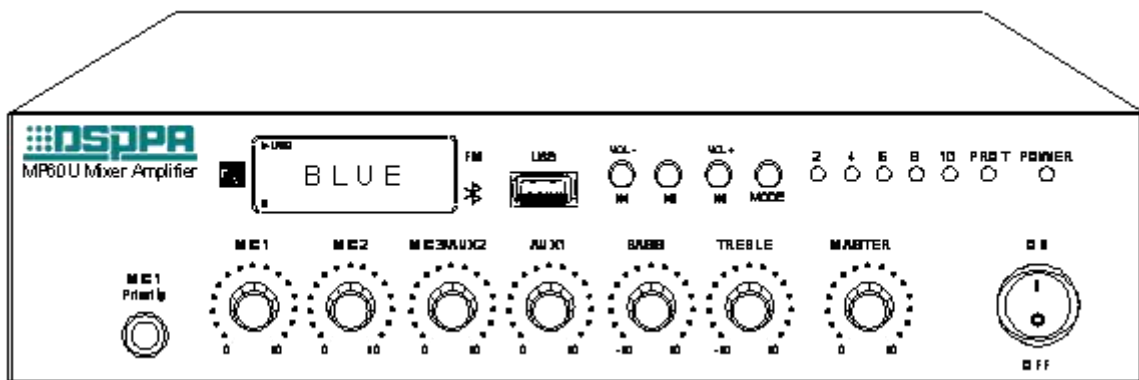
Operation Instructions

Welcome to use DSPPA public address system. For the better use of this product, please read this instruction carefully prior to use.

About this User Manual

This User Manual is available and effective upon completion of development of the mixer amplifier MP60U/MP35U. The User Manual includes system description, matters needing attentions in use, instructions on system connection, instructions on use of product and technical specifications of the network address center. Please read this User Manual carefully before connection, installation and use and operate in accordance with corresponding instructions in the Manual.

This symbol on the rear panel indicates matters needing attentions, please use or operate the product in accordance with corresponding instructions.

Please keep this User Manual in good custody for future use.

MP60U/35U—V0.1
**Facture 2016-06-12**

Content

1. Product Description

1.1 Features

- Fashionable design, compact mini size public address amplifier.
- Speaker output of 100V or 70V & 4 -16 ohms, rated power outputs of 60W, 35W.
- Built in Mp3 player, FM radio & Bluetooth with remote controller.
- 3 MIC input （1 6.3mm MIC & 2 XLR MIC）, 1 EMC input, 2 line inputs, 1 line output.
- Built in Class-D amplifier module and switching power, with 100V/70V transformer technology.
- Individual volume control for Mic 1-3, line 1-2, Mp3/FM, bass/treble and master volume control.
- Support both AC100-240V & DC 24V power supply.
- Priority: EMC > MIC1 > others.
- LED indicators for power, clip, protect and signal.
- With short-circuit, clip, overload and high temp protection.
- Ideal for small venues as classroom, retail store, coffee shop, restaurant etc.

2. Appearance Description

2.1 Front panel
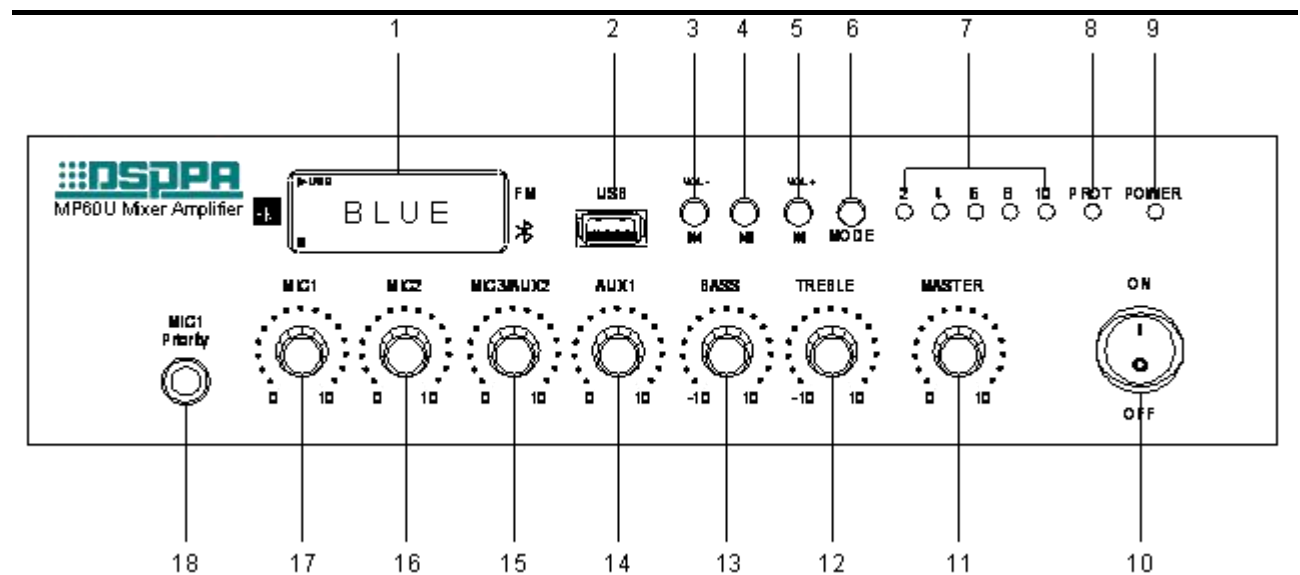
1. **Display screen**

2. **USB interface**

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

3. **Last song/ (Last radio when in FM mode)**

   In USB and Bluetooth mode, press this key to switch to the "last song",

   In FM mode, press this key to switch to the "last radio"

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

4. **Play / Pause**

   In USB and Bluetooth mode, pause & play

   In FM mode, this key is to search the audio automatically

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

   In U-disk and Bluetooth mode, press this key to switch to the "next song";

   In FM mode, press this key to switch to the "next radio";

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

6. **Mode main function key**

   Bluetooth mode, USB mode, line input mode, FM mode can be switched

7. **Level indicator**

   Audio output level display

8. **Protection indicator**

9. **Power indicator**

   When the switch is turned on, the power indicator is red.

10. **power switch**

    Press "ON" to turn on the power, press "OFF" to close the power

11. **Master volume adjustment**

    Adjust the level of all signals (except EMC), turn clockwise to turn up the volume, turn counter clockwise to turn down the volume.

12. **Treble volume adjustment**

    The central position as the benchmark, turn counter clockwise to turn down the treble, turn clockwise to turn up the treble

13. **Bass volume adjustment**

    The central position as the benchmark, turn counter clockwise to turn down the bass, turn clockwise to turn up the bass

14. **AUX1 volume adjustment**

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

15. **MIC3/AUX2 volume adjustment**

    Adjust the volume of MIC3/AUX2, turn clockwise to turn up, turn counter clockwise to turn down.

16. **MIC2 volume adjustment**

Adjust the volume of **MIC2**, turn clockwise to turn up, turn counter clockwise to turn down.
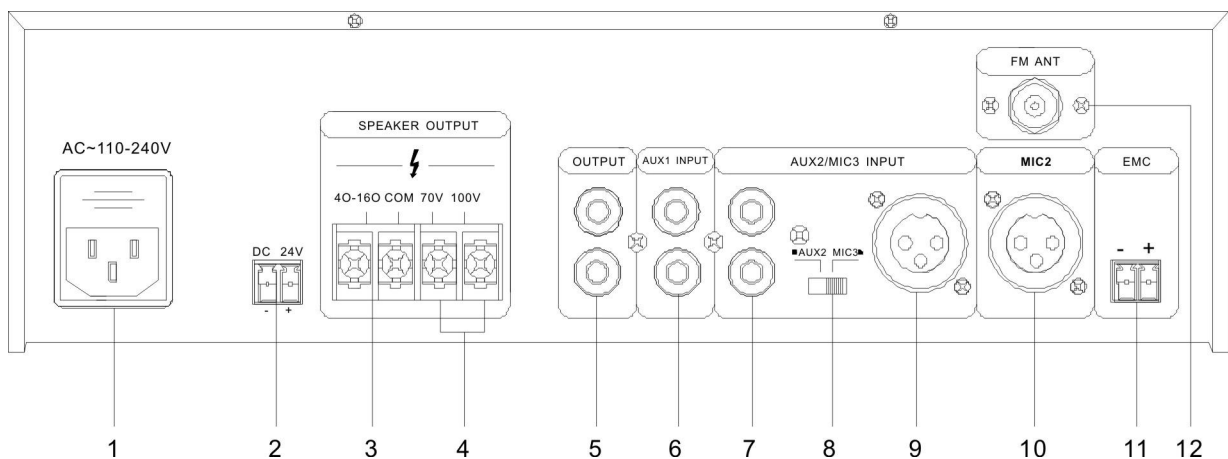
17. MIC1 volume adjustment

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

18. Emergency input socket(EMC)

For fire signal input

2.2 Rear panel

1. AC~110-240VPower input

The interface to supply the working power. Insert the plug onto the machine, and then connect the power grid.

2. DC 24V power input

DC 24V stand-by power input interface

3. 4-16 Ω output terminal

4. 70V/100V output terminal

5. Output port

6. AUX1 input port

7. AUX2/MIC3 input port

8. Audio source selection switch （AUX2-MIC3）

AUX2, MIC3 a**udio source selection**, left and right slide to choose AUX2 or MIC3
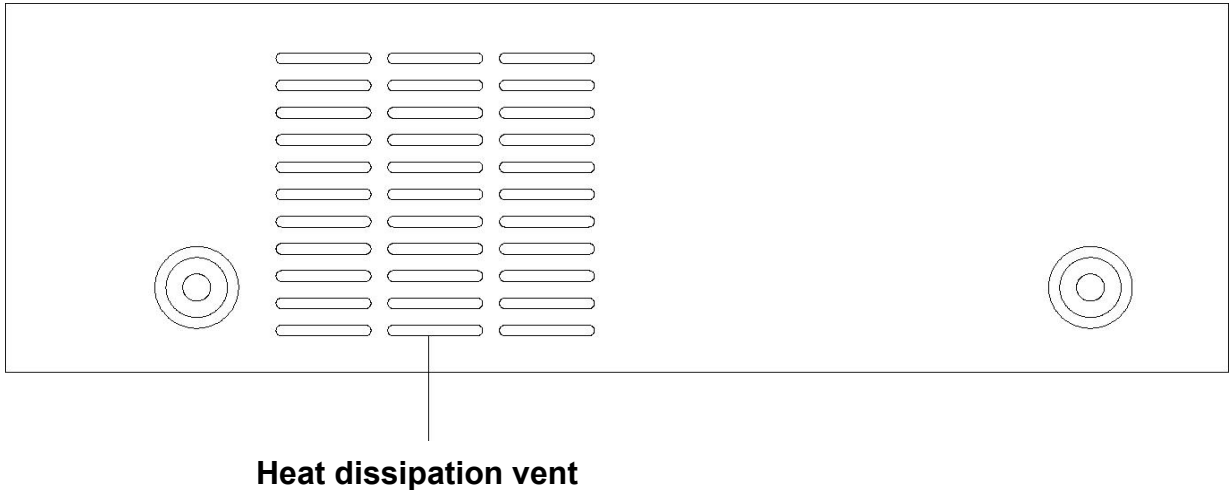
9. MIC3 input interface

10. MIC2 input interface

11. EMC Emergency input

12. Radio antenna interface

    Radio antenna connect to this interface

2.3 Side Panel

Heat dissipation vent

3. Working mode

3.1 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.

3.2 Bluetooth mode

    Press MODE to display "BLUE" on the digital screen, the "BLUE" will always flash until device and mobile phone pairing success, the name is "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.

3.3 USB mode

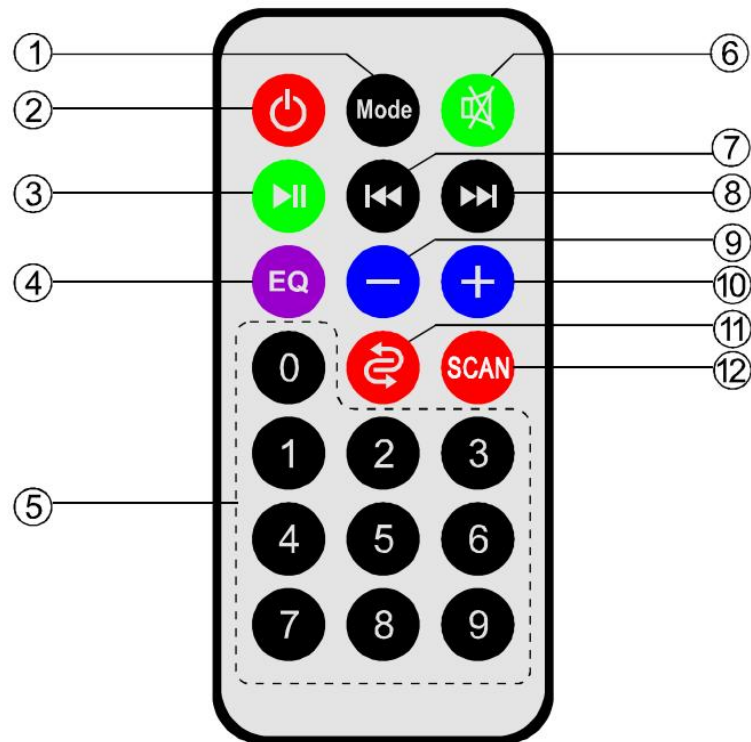   When the USB access, it will be USB mode automatically (plug and play)

3.4 Line mode

    In line mode, press MODE, digital screen will display "LINE"

3.5 FM mode

    Operation details please view the part 3, 4, 5 of "2.1 front panel"

4. Remote control instructions

As shown in the following figure:

Function key description：

①   Mode main function key，working mode switch.

②   Power switch

③   Play & Pause/ (Search the audio aromatically when in FM)

④   EQ sound effect

⑤   0-9 song selection key，can be composed of digital channel selection when in FM

⑥   Mute key

⑦   Last song/ (Last audio when in FM)

⑧   Next song/ (Next audio when in FM)

⑨   Vol -

⑩   Vol +

⑪   Single repeat

⑫   Record key

Safety Precautions

1.   Safety Precautions

- 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.

2.   Matters needing attention

- Our company provides a three-year free warranty service (including free replacement parts) over quality issues as from the date of purchase, provided that the device is installed and used in accordance with requirements specified in the User Manual.
- For warranty, the user must show the Warranty Card and the receipt kept by the user and purchase invoice of the device as supporting documents.
- The following conditions are beyond the scope of warranty:
    (1)   Product damage due to improper installation, use or handling;
    (2)   Product damage due to abnormal conditions (such as excessive power source voltage or ambient humidity);
    (3)   Product damage due to acts of God;
    (4)   Product SN is changed, altered or removed;
    (5)   Product has been repaired or modified by any person without duly authorization from our company;
- Please keep the User Manual and Warranty Card in good custody.
- For issues and precautions not mentioned in this User Manual, if required, please contact the distributor or visit our website at http://www.dsppatech.com.
- In case of any failure in the warranty period, please contact service personnel (or distributor) of our company for service. The company shall not be made liable for damages due to unauthorized dis-assembly or maintenance or service by unauthorized personnel.

Packing list

No.	List	Quantity
1	MP60U or MP35U	1
2	Manual	1
3	Guarantee card	1
4	Certificate	1
5	Power line	1
6	Remote control	1
7	FM antenna	1

Performance

Model	MP60U	MP35U
Description	PA Amplifier with USB/SD & FM & Bluetooth	
Rated power	60W	35W
Speaker Outputs	100V or 70V & 4Ohms-8 Ohms-16 Ohms	
Connector	Mic1 input by unbalance 6.3mm phone jack MIC 2& MIC3 balance XLR socket Line1-2 inputs by RCA; Line output by RCA	
Attenuation	Microphone1-3, line1-2 and Mp3/FM, bass/treble and master	
MIC1 input sensitivity	5mV	
MIC2 input sensitivity	5mV	
MIC3 input sensitivity	5mV	
AUX1 input sensitivity	300mV	
AUX2 input sensitivity	300mV	
EMC input sensitivity	300mV	
MIC frequency response	80Hz ~ 10kHz （±3dB)	
AUX frequency response	70Hz ~ 16kHz （±3dB)	
Line Out	0.775(0dBV)	
Noise	<5mV （4 ohm load output terminal)	
THD	<1%　1KHz	
Protection	Short-circuit, clip, overload and high temp protection	
Treble adjustment	10dB （±2)	
Bass adjustment	10dB （±2)	
Power Supply	AC~110-240V	
Priority	EMC > MIC1 > others	
Machine size(L×W×H)	290mm×219mm×92.5mm	
Packing size	340mm×300mm×135mm　(1PS)	
Maximum packing size	610mm×350mm×280mm　(4PS)	
Net Weight	4.7Kg	
Gross Weight	5.2Kg (1PS)	

Technical specifications are subject to change without prior notice.

Caution

● 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 keep this device off water drops or splash or vase filled with water or any other articles of similar nature.

● Please do NOT remove the cover of the equipment; otherwise you may get an electric shock. Where necessary, repair to the equipment should be conducted by qualified professionals.

● All terminals on the device marked with ⚡ are live and dangerous, and should be connected by trained personnel.

● This is connected to power source via the plug and any failure or danger occurs, the user can disconnect the device from power source by pulling out the plug out from the socket, therefore, it is required that the power socket should be located somewhere with easy access.

Guangzhou DSPPA Audio Co., Ltd.