



**Public Address System**

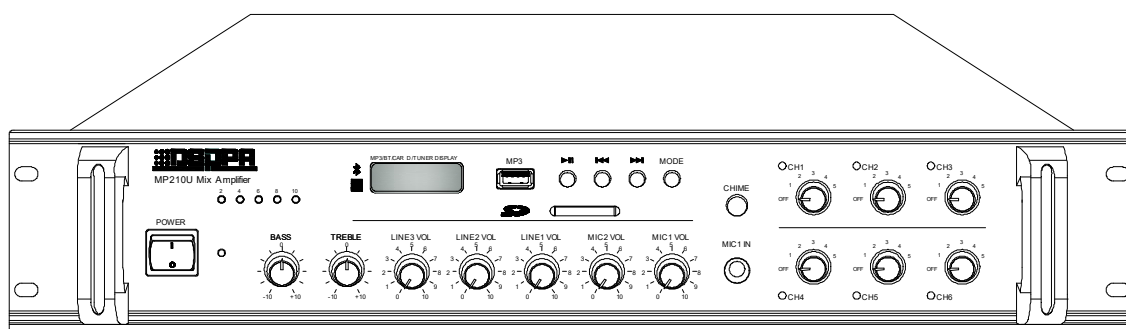
## **MIXER AMPLIFIER**

**MP210U**

**MP310U**

**MP610U**

**MP1010U**



## **Operation Instructions**

Welcome to use the public address system manufactured by DSPPA Company. For the better application of this equipment, please read the operation instruction carefully prior to use.

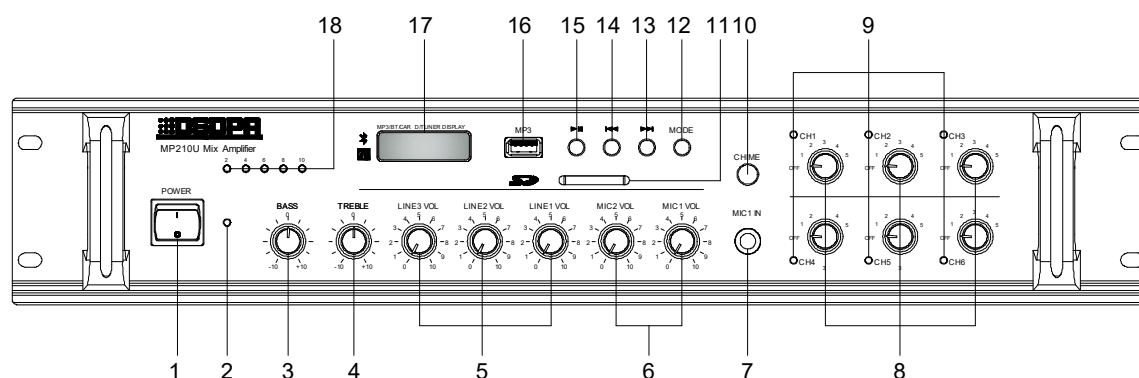
**Guangzhou DSPPA Audio Co., Ltd.**

<http://www.dsppatech.com>

# Features

- Integrates MP3 player, FM tuner, BT, zoner (6 zones), preamplifier and power amplifier.
- Infrared remote control to control MP3/TUNER/BT, which includes modes switches, program selection, volume adjustment, repeat mode, EQ mode and USB/SD switches.
- LED display indicates volume, playing status, program number, etc.
- 4 MIC inputs, 3 AUX inputs, and 1 AUX output.
- 4-16  $\Omega$  rated output.
- 6-zone selector, individual volume control and output level indication for each zone output.
- Mute function for priority input.
- Treble and Bass control
- Chime with priority output
- 5-unit LED indicates monitoring volume output in each zone.
- Output short circuit protection and caution.

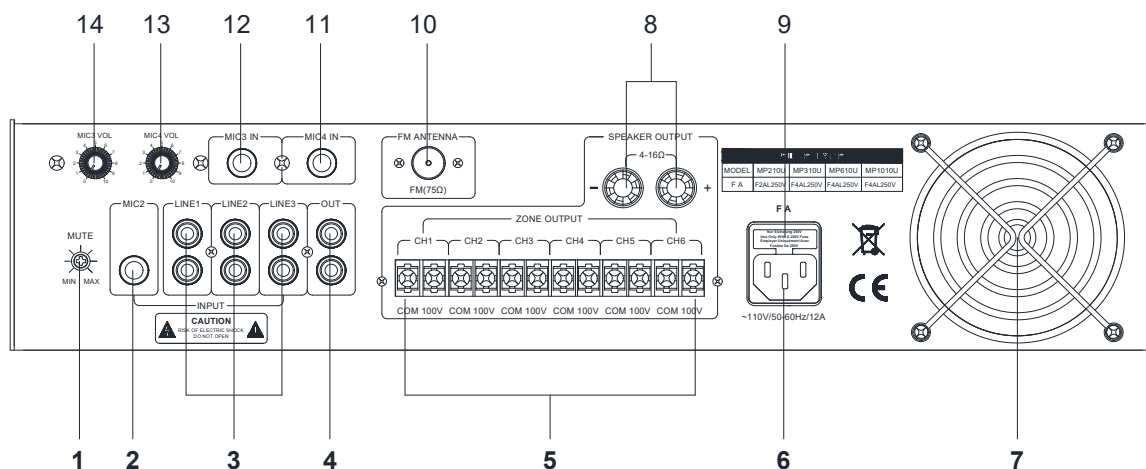
# Front panel description



- |                                     |   |
|-------------------------------------|---|
| 1. <b>Power switch</b>              | 10. <b>Chime control</b>                        |
| 2. <b>LED power indicator</b>       | 11. <b>MP3 SD input</b>                         |
| 3. <b>Bass control</b>              | 12. <b>AUX/TUNER/BT/MP3 audio selection key</b> |
| 4. <b>Treble control</b>            | 13. <b>Next</b>                                 |
| 5. <b>Line input control</b>        | 14. <b>Previous</b>                             |
| 6. <b>MIC volume control</b>        | 15. <b>Play/pause</b>                           |
| 7. <b>MIC 1 input</b>               | 16. <b>USB input</b>                            |
| 8. <b>Zone volume control (1-6)</b> | 17. <b>LED display</b>                          |
| 9. <b>Zone level indicator</b>      | 18. <b>LED level indicator</b>                  |

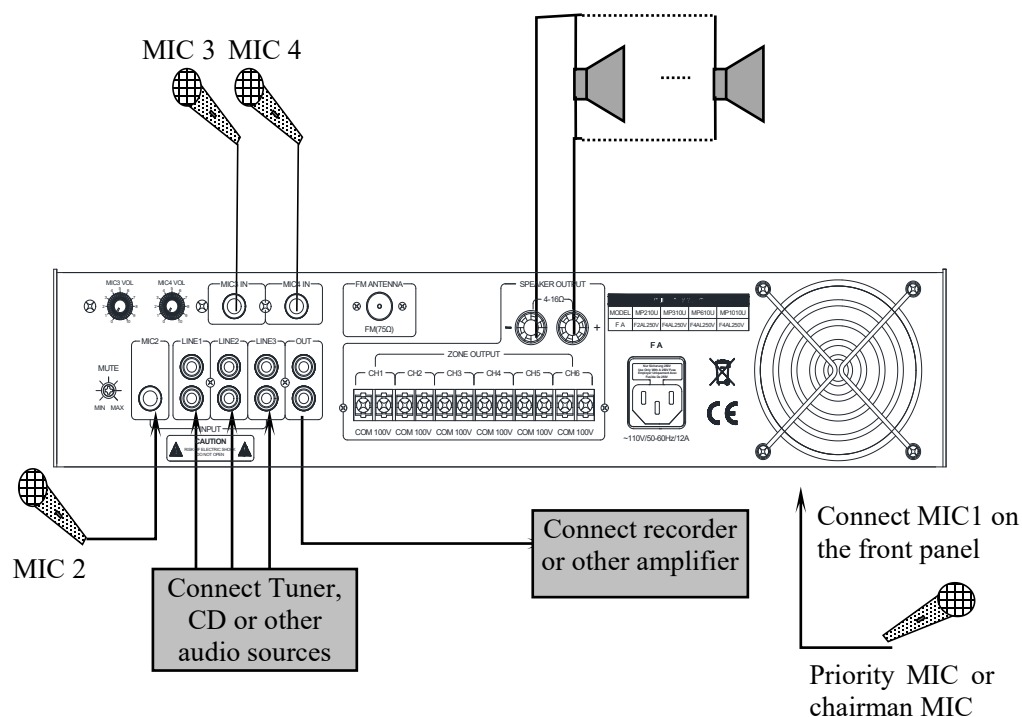
Note: The five LED indicators remain all on indicates overloading. In this case, adjust volume control until only 4 or 5 LED indicators flash.

## Rear panel description

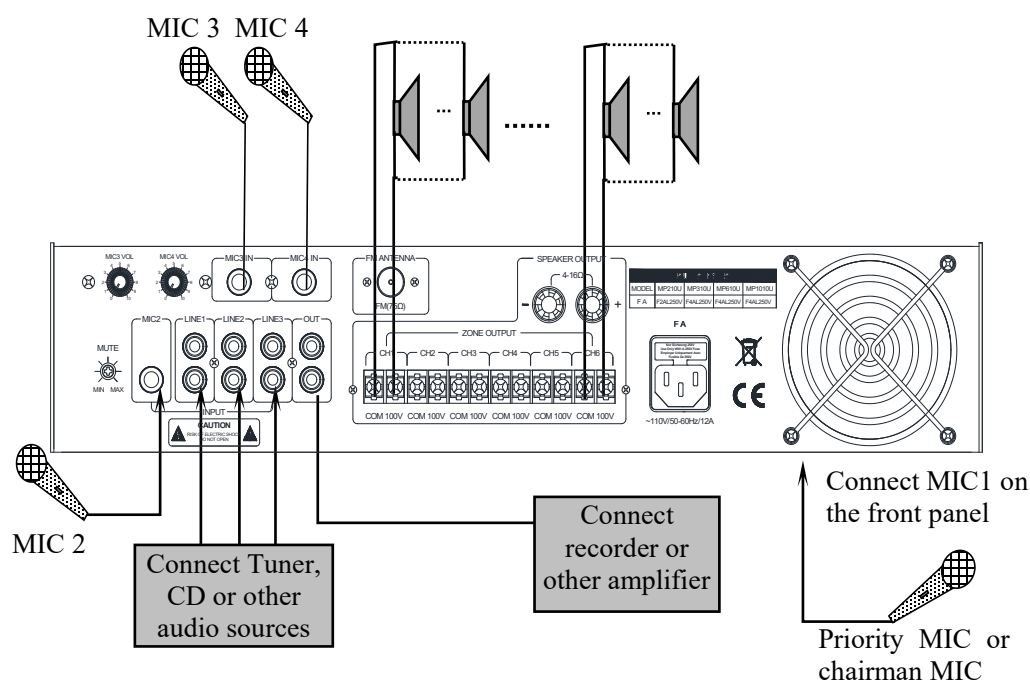


- |  |                                   |
|--|-----------------------------------|
| <b>1. Mute control</b>   | <b>7. Fan</b>                     |
| <b>2. MIC 2 input</b>  | <b>8. Speaker output terminal</b> |
| <b>3. Line input 1, 2, 3</b>   | <b>9. Power fuse</b>              |
| <b>4. AUX output (link with another amplifier)</b>   | <b>10. FM antenna</b>             |
| <b>5. 6-zone output, note: the output voltage of each zone is respectively 0V, 6V, 13V, 25V, 50V and 100V.</b> | <b>11. MIC4 input</b>             |
| <b>6. AC power supply</b>  | <b>12. MIC3 input</b>             |
|  | <b>13. MIC4 volume control</b>    |
|  | <b>14. MIC3 volume control</b>    |

## Connections (without multi-zone outputs)



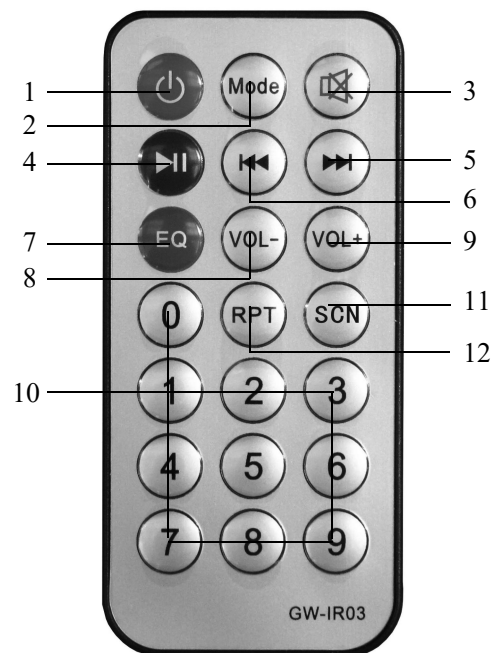
## Connections (with multi-zone outputs)



**Note:** Adjust the zone volume control knob to turn on and off for each zone.

## Instructions to infrared remote controller

1. MP3/TUNER/BT ON/OFF button.
2. Mode: switch among AUX, TUNER, BT and MP3.
3. Mute: MP3/TUNER/BT mute button. Press this button, the played program is muted and the LED display will flash;
4. MP3/BT play/pause, tuner channel call button: press this button repeatedly to call the memorized channel in order.
5. MP3/BT previous button, radio channel backward button.
6. MP3/BT next button, radio channel forward button.
7. EQ: under MP3 mode, press this key to select modes among Class, Jazz, Rock, Bass and Pop.
8. VOL-: MP3/TUNER/BT volume decrease button.
9. VOL+: MP3/TUNER/BT volume increase button.
10. 0-9 numerical keys: input the serial number to select songs in MP3 or memorize radio channel as the number.
11. U/SD: under MP3 mode, switch between USB and SD card; under TUNER mode, search channels automatically.
12. RPT: under MP3 mode, switch play modes between single cycle and loop play.



## Operation instructions on MP3

Connect the system properly according to the above connection diagram. Plug in the power supply after checking, and then turn on the power switch on the front panel. After startup, this device will play the program played when it is powered off at the last time in default. For example, the radio program is being played upon the previous shutdown, the radio program will be played automatically upon this startup. In order to play the MP3 program, please press “AUX/TUNE/BT/MP3” button or the “Mode” button on the infrared remote controller (please refer to the instructions to the infrared remote controller) for conversion.

### 1. To play MP3 program

1) Begin to play: Convert to the status of MP3 play by the above means (no such operation if it is playing MP3 program), insert the USB storing MP3 programs into the USB interface, and the machine will play automatically. Use the button 12 and 13 on the panel of machine (refer to the instructions to the front panel) or the infrared remote controller (refer to the instructions to the infrared remote controller) to select the chapter to be played, and make use the button 4 to pause the play.

2) Selection of repeat mode: MP3 may use the infrared remote controller to select the repeat mode of the program with the options of repeat one and repeat all. Press the button “RPT” once, and LED will display “ONE” indicating the repeated playing of the current played chapter; press button “RPT” again, and LED will display “ALL” indicating the repeated playing of all the chapters on the USB.

3) Selection of EQ mode: MP3 in this machine has five (5) EQ modes, including Class mode, Jazz mode, Rock mode, Bass mode and Pop mode. It is allowed to select by use of the button “EQ” on the infrared remote controller. When pressing the button “EQ”, the digital tube will display “Eq0” through “Eq4”. When pressing continuously, five modes such as “Eq0\Eq1\Eq2\Eq3\Eq4” will appear in order, from which the user can select as required.

4) USB/SD: The MP3 player of this device can play the program from the USB port, and also from the SD interface, and select the last inserted memorizer to play program in it. For example, if it is playing the program from the USB port now, and a SD card is inserted into the device, it will play the MP3 program automatically from the SD card.

5) BT mode: When switching to BT mode, the digital screen displays “bt” and keep flashing. Please turn on the switch of Bluetooth devices such as mobile phones and computers, search for the Bluetooth device, find the device name “DP608” (with password: 8888) for pairing. After successful pairing, the user can play audio sources in mobile phones and computers (when the device is successfully paired with Bluetooth of the mobile phone and computer, it will prompt that the Bluetooth connection is successful, and the “bt” on the digital screen will stop flashing), with

excellent wireless transmission functions within 10m.

## **2. To play radio channel program of tuner**

Convert to the “TUNE” play mode by the above means, and then begin to play the radio program.

1) Search channel: Before playing, the user shall first search the radio channel. For this machine, there are two operating methods for searching channel.

a. Search the radio channel with the MP3 song selection buttons on the infrared remote controller. Press the song selection button once, the radio frequency will increase or decrease by 0.1MHz. Press the button continuously to enable the frequency to increase or decrease to certain channel. By such method, the searched channel will not be memorized in the channel memorizing number. However, the machine itself has the memory function, so the channel played upon the shutdown will be played automatically upon the next startup. radio

b. By use of the button “▶||” on the machine panel or the button “U/SD” on the infrared remote controller, it is allowed to search from low-frequency stage to high-frequency stage automatically. The searched channels will be memorized in turn in the memorizing numbers starting from 1 so as to facilitate the direct calling of the channel.

2) Calling channel: It is allowed to directly call and play the channels searched and memorized by automatic search. The buttons “◀◀ or ▶▶” on the panel are used to select forward and backward the memorizing number to call the channel for play or the buttons “▶|| or EQ” on the infrared remote controller or the digital keys from “0-9” to select the memorizing number to call the channel for play.

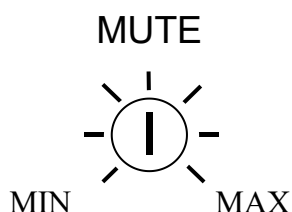
### **Prompt:**

**In the event that this machine is not inserted with USB prior to startup, the radio program will be played automatically upon startup. At this moment, the USB is inserted to convert to the MP3 play status automatically.**



## Mute function

**MIC 1 Input** and **Chime Button** have the highest level of priority. Input signals from them can override other input signals. The grade of this **MUTE** function can be adjusted. The grade is maximized when setting MIN position. And the grade is minimized when setting MAX position. Factory adjustment is MIN (maximum inhibition).



## Precaution of installation

1. Do not block ventilation holes.
2. The amplifier should not be placed in any of the areas:
  - 1) with poor ventilation;
  - 2) exposed to direct sunlight;
  - 3) with high ambient temperature or adjacent to heat-generating equipment;
  - 4) with high humidity or heavy dust;
  - 5) susceptible to vibration.
3. Make sure the power outlet conforms to the plug of the unit.
4. Do not use this unit if the electrical power cord is frayed or broken.
5. Always operate the unit with the ground wire
6. If a short alarm rings after turning on power and inputting signals, there must be an output short circuit fault. In such case, power should be cut off immediately. Do not turn on the power until the fault is removed.

## Packing list

No.	Items	Qty
1	Mixer amplifier with zones	1
2	User manual	1
3	Plastic washer	4
4	White 5 x 19 semi countersunk head cross machine wire	4
5	Power cord	1
6	1500MM/ audio cable	1
7	FM antenna	1
8	MP3/FM module remote controller	1

## Specifications

Model	MP210U	MP310U	MP610U	MP1010U
Rated Output	60W	120W	250W	350W
Output regulation	$\leq 3\text{dB}$ (from full load to off-load)			
Input sensitivity	Microphone : $\leq 3\text{mV}$ (unbalanced)			
	AUX: $\leq 300\text{mV}$ (unbalanced)			
Frequency response	80Hz-16KHz ( $\pm 3\text{dB}$ )			
Distortion	$\leq 1\%$ (1KHz, normal operating status)			
S/N Ratio	AUX: $\geq 74\text{dB}$			
Tone	Bass: $\pm 10\text{dB}$ (at 100Hz)			
	Treble: $\pm 10\text{dB}$ (at 10kHz)			
Protection	DC voltage; overload; short-circuit.			
Mute	Input signals from MIC 1 override other input signals.			
Power supply	AC 110V/50Hz			
Power Consumption	120W	250W	500W	650W
Outer Packing Size(mm)	(L×W×H) 555×455×185			
Unit Size (mm)	(L×W×H) 484×355×88			
Gross Weight	11.7kg	13.5kg	16kg	17kg
Net Weight	9.7kg	11.5kg	14kg	15kg

Specifications are subject to change without notice

### **CAUTION**

- When the “Power switcher” is off, please pull out the power cord from the socket.  
Please keep the equipment out of water.
- To reduce the risk of electric shock, do not remove the cover.
- Please contact us or authorized dealers for servicing.
- The symbol ⚡ on rear panel indicates hazardous live. The connection of these terminals must be operated by the instructed person.
- The unit connect to the mains by the plug. Pull out the plug when the unit is in fault or danger status. So the socket for the unit plugging must be set in the place can be easy to plug into and pull out the plug.

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