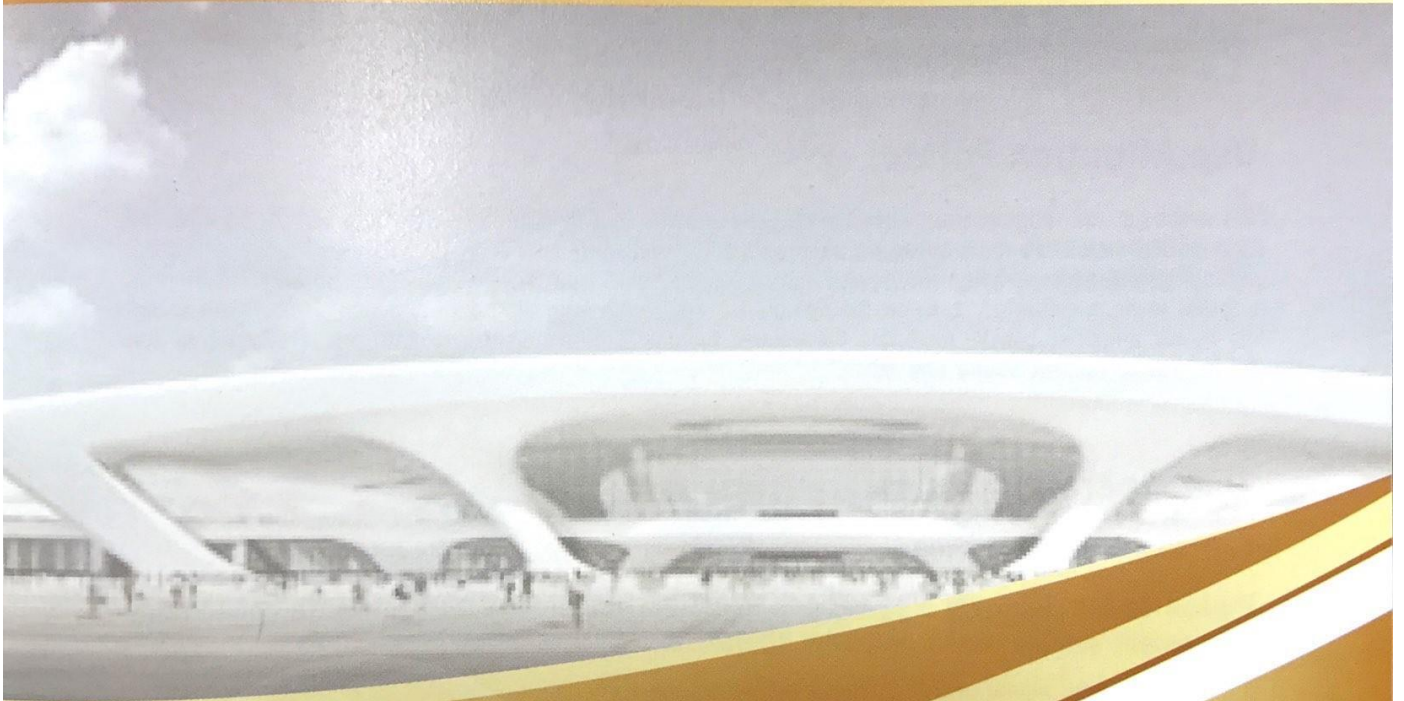


OWNER'S MANUAL

PUBLIC ADDRESS AMPLIFIER



Professional Power Amplifier

PUBLIC ADDRESS SYSTEM

Thank you for using this series of public address amplifier system. Before using this unit, please be familiar with the instructions and operate in the order of operation and use. This series of public address power amplifiers can be classified into three types: pre-amplified power amplifier, pre-amplified power amplifier with six-zone control and pure post-stage power amplifier. Its power output can be divided into two modes: one for the total output 4-16 Ω /70V/100V (110V), the other is divided into partition output, which can be connected with six-channel output control, with pre-amplifier, with two microphone input and three-way input, where microphone 2 (MI C 2) has automatic silent function. The microphone and line volume can be adjusted independently, and the total volume can be adjusted to the volume of each channel.

This machine has the functions of overcurrent, overvoltage, short circuit, overheat protector boot extension, DC protection and so on.

Use Attention Points:

This machine has reliable short circuit protection system, but in order to extend the life of the machine, short circuit should be avoided as far as possible. The machine should be packed with moisture-proof packaging and transportation mode, and should be protected from severe vibration and shock. If the unit is found to be overloaded, turn off the volume to reduce the load or reduce the total load. When using this power amplifier, please modulate the unused functional potentiometer to zero position, which is helpful to reduce current sound and noise.

Use Operating Rules:

1. Prepare before starting:

Please do the following preparations to protect and ensure that the entire sound reinforcement system works properly.

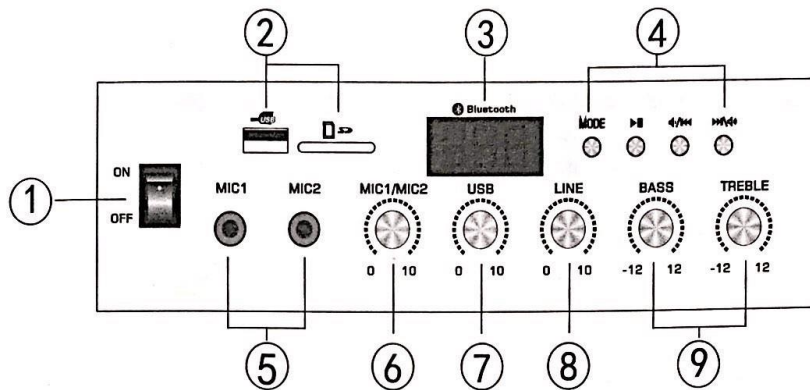
- A. Check the input signal characteristics, and insert the microphone into MI C jack, socket, CD and other line output into line input jack.
- B. To find out the load condition of the connected machine, try to match the load with the output impedance of the power amplifier. Otherwise, the machine can not output high power, and it will cause distortion, destroy the sound reinforcement effect, and may damage the machine.
- C. Check the grid condition of the machine's workplace. When the voltage fluctuates widely, it cannot be used when the voltage exceeds 10% of the soil.

2. Boot Process:

- A. Plug the power plug into the 220V/50Hz power outlet.
- B. Plug the input signal into the respective input jacks.
- C. The output of the power amplifier is connected to various matching load terminals.
- D. Adjust the total volume knob, slowly increase the respective input signal knobs, and observe the LED illumination level indication.
- E. When MP 3 is not used, turn off the MP 3 knob.
- F. MI C 2 has a priority silent function, which can force the music to be cut off when using speech.

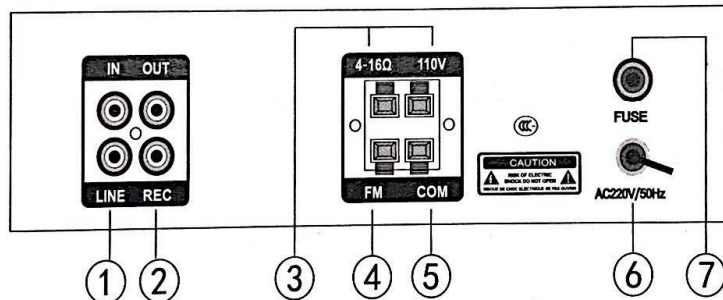
Mini Power Amplifier

Front panel function diagram



1. Power switch
2. USB/SD input socket
3. Digital display
4. MP3 control keys, from left to right: menu button, play/pause, previous song, next song
5. Independent zone volume control knob
6. MIC1 and MIC2 microphone input jack
7. MIC1 and MIC2 microphone volume adjustment knob
8. USB input volume adjustment knob
9. Line input volume adjustment knob
10. Treble and Bass adjustment knob

Back panel function diagram



1. Line input
2. Monitor and recording output
3. Power output, output (4-16Ω, 110V voltage) can be connected with corresponding matching load.
4. FM antenna terminal
5. Power output common terminal
6. Power input terminal
7. Fuse holder.

Technical Parameter

| | | | |
|-----------------------|-----------------|------------------------------|---------------------------|
| 1. Rated Power | 60W | 2. Output Mode | 8-16Ω, 70V/110V |
| 3. Frequency Response | 40Hz-18Kz±0.5dB | 4. Total Harmonic Distortion | 0.2% (Rated power output) |
| 5. Supply Voltage | AC220V/50Hz | 6. Product Dimension | 252*220*70mm |

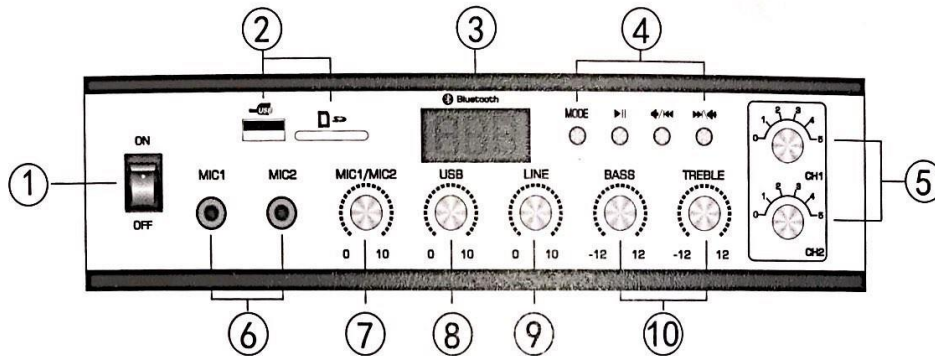
Use Attention Points:

1. Input the correct power supply voltage
2. Keep the machine well ventilated and heat dissipated to avoid damage to the machine due to excessive temperature.
3. Avoid short circuit at the output Load
4. If the machine is abnormal, non-professionals should not open the machine for maintenance to avoid electric shock.

Mini Power Amplifier

(Two-zone independent volume adjustment)

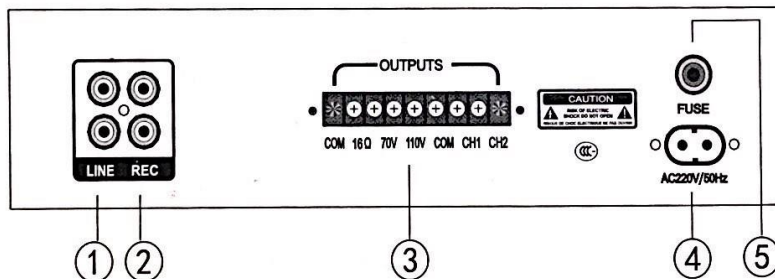
Front panel function diagram



1. Power switch
2. USB/SD input socket
3. Digital display
4. MP3 control keys, from left to right: menu button, play/pause, previous song, next song
5. Independent zone volume control knob
6. MIC1 and MIC2 microphone input jack
7. MIC1 and MIC2 microphone volume adjustment knob
8. USB input volume adjustment knob
9. Line input volume adjustment knob
10. Treble and Bass adjustment knob

Back panel function diagram

Mini Power Amplifier



1. Line input
2. Monitor and recording output
3. Power output, output (8- 16Ω 、 70V/110V voltage) can be connected with corresponding matching load
4. Power input socket, access to AC 220V
5. Fuse holder

Technical Paramete

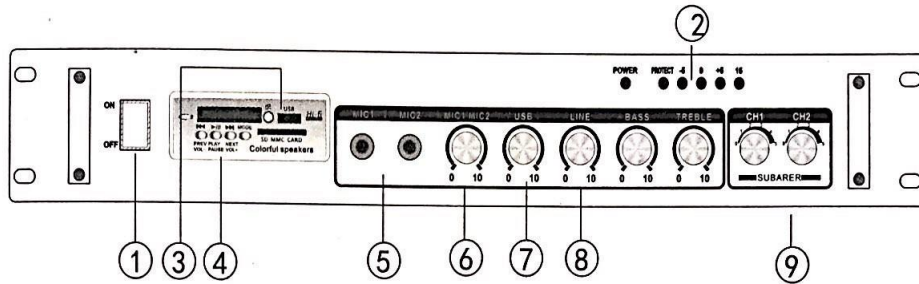
| | | | |
|-----------------------|--------------------|------------------------------|----------------------------|
| 1. Rated Power | 80W | 2. Output Mode | 8- 16Ω 、 70V 110V |
| 3. Frequency Response | 40Hz- 18Kz ±0. 5dB | 4. Total Harmonic Distortion | 0. 2% (Rated power output) |
| 5. Supply Voltage | AC220V/50Hz | 6. Product Dimension | 252*220*70mm |

Use Attention Points:

1. Input the correct power supply voltage
2. Keep the machine well ventilated and heat dissipated to avoid damage to the machine due to excessive temperature.
3. Avoid short circuit at the output Load
4. If the machine is abnormal, non-professionals should not open the machine for maintenance to avoid electric shock.

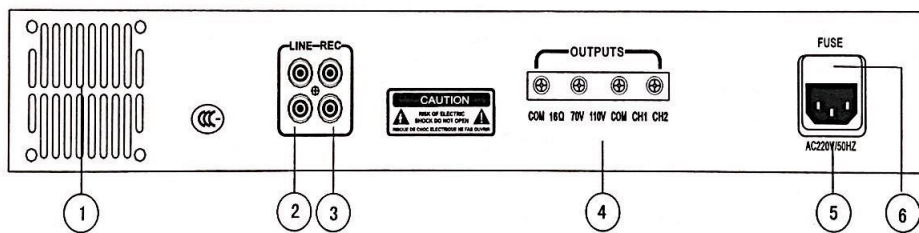
1.5U Power Amplifier (2-zone independent volume adjustment)

Front panel function diagram



1. Power switch
2. Level indication
3. USB, SD input jack
4. MP3 control keys, from left to right: upper song, play/pause, lower song
5. MI C 1 and MI C 2 input jacks
6. MI C 1 and MI C 2 volume control knobs, where MI C 2 has a strong cut-off silence function.
7. MP3 volume control knob
8. Line input volume control knob
9. Partition volume control knob

Back panel function diagram



1. Fan cooling vent
2. Line input
3. Monitor and recording output
4. power output, can output (4-16Ω. 70V/110V Voltage), can choose the corresponding matching audio access.
5. Power cable, Access AC 220V
6. Power fuse.

Technical Parameters

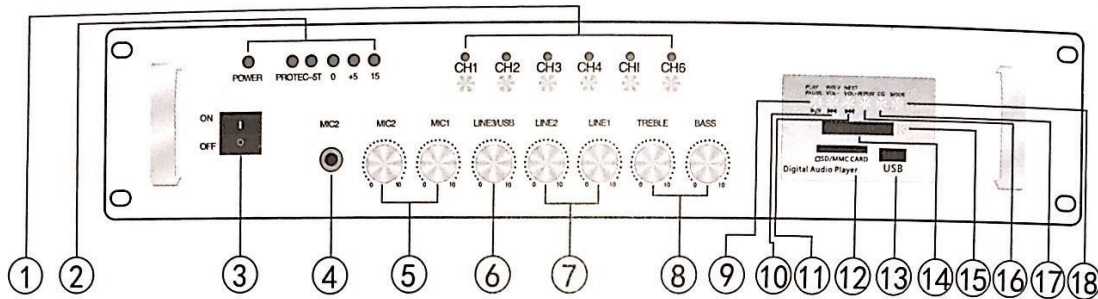
| Rated Output Power | Output Mode | Frequency Response | Microphone Input | Line Input | Recording Output Level | Line Output | Voltage | Output Current | Dimension |
|--------------------|-------------------|--------------------|------------------|------------|------------------------|-------------|------------------|----------------|------------|
| 60W | 4-16Ω 70V/110V | 35HZ-20KHZ 2dB | 600Ω-52dB | 10Ω-10dB | 600Ω-0dB (-10dB) | +40dB | 220V 10% 50HZ | 0.7A | 482*275*68 |

Use Attention Points:

1. Input the correct power supply voltage
2. Keep the machine well ventilated and heat dissipated to avoid damage to the machine due to excessive temperature.
3. Avoid short circuit at the output Load
4. If the machine is abnormal, non-professionals should not open the machine for maintenance to avoid electric shock.

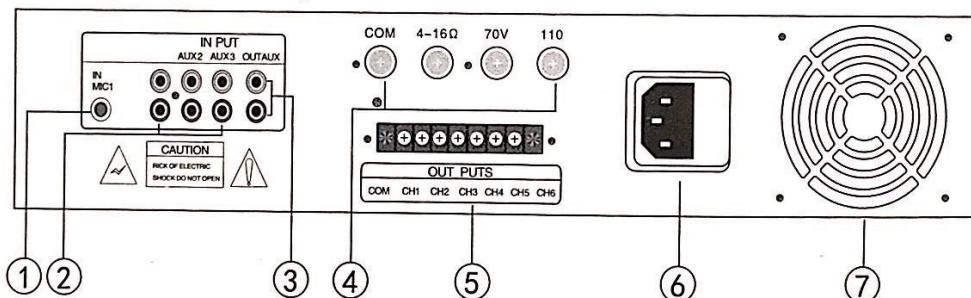
2U Power Amplifier (6-Zone)

Front panel function diagram



1. Independent zone switch, zone 1 - 6
2. Level indicator light
3. Power switch
4. MIC 2 input can forcibly cut off the music, with silent function
5. MIC1/MIC 2 music control switch
6. Line 3 and MP3 control volume switch
7. Line 1 and Line 2 volume control switch
8. Treble and Bass 0dB- 12dB adjustment
9. Play/Pause (receive/save in the radio)
10. Previous track/volume down
11. Next track/volume up
12. SD interface
13. USB disk interface
14. LED display
15. Infrared receiving port
16. Repeat playback
17. EQ sound mode switch button
18. Function switch (switch / USB / SD / FM / LINE IN)

Back panel function diagram



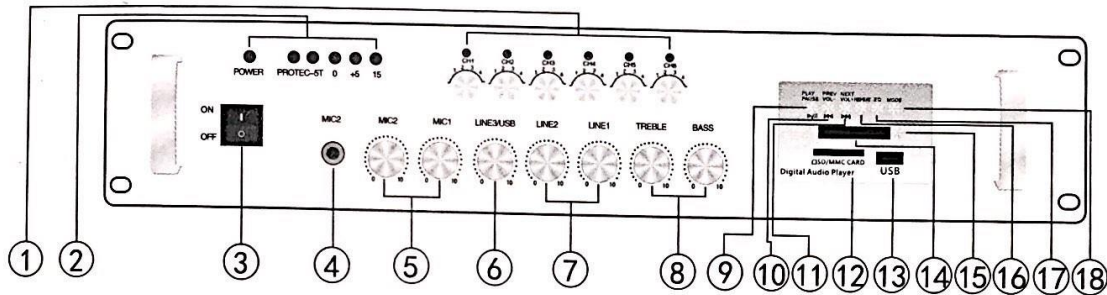
1. MIC 1 input
2. External input source
3. Recording output
4. Power output, can output (4 - 16Ω / 70V 110V Voltage) can choose the corresponding matching audio access
5. Independent partition output
6. Protection fuse/power socket
7. Fan cooling vent

Technical Parameters

| Rated Output Power | 50W | 60W | 80W | 100W | 120W | 150W | 180W | 250W | 360W | 500W | 650W | 700W | 800W |
|------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Output Mode | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V | 4-16Ω 70V/110V |
| Frequency Response | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB |
| Microphone Input | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB | 600Ω-52dB |
| Line Input | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB | 10KΩ-10dB |
| Recording Output Level | 600Ω-0dB (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) |
| Line Output | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB |
| Voltage | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ |
| Output Current | 0.7A | 0.9A | 1.2A | 1.3A | 1.4A | 1.7A | 2.2A | 3.6A | 5.0A | 6.6A | 8.4A | 8.4A | 8.4A |
| Dimension | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482*455*88 | 482X455X88 |

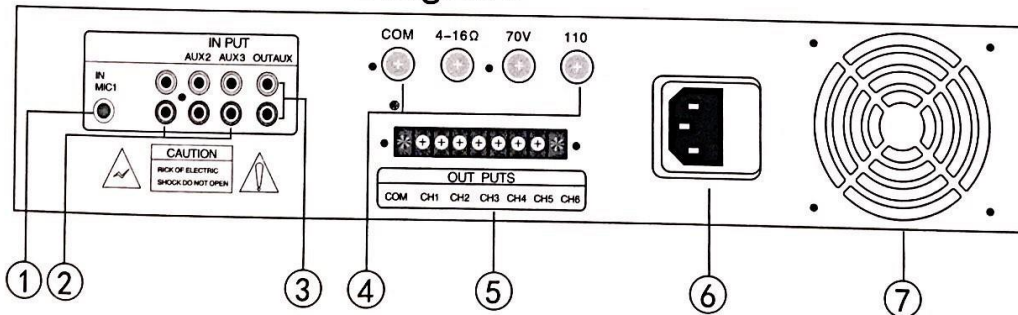
2U Power Amplifier (6-Zone independent volume adjustment)

Front Panel Function Diagram



1. Independent zone switch, zone 1 - 6
2. Level indicator light
3. Power switch
4. MIC 2 input can forcibly cut off the music, with silent function
5. MIC1/MIC 2 music control switch
6. Line 3 and MP3 control volume switch
7. Line 1 and Line 2 volume control switch
8. Treble and Bass 0dB- 12dB adjustment
9. Play/Pause (receive/save in the radio)
10. Previous track/volume down
11. Next track/volume up
12. SD interface
13. USB disk interface
14. LED display
15. Infrared receiving port
16. Repeat playback
17. EQ sound mode switch button
18. Function switch (switch / USB / SD / FM / LINE IN)

Back Panel Function Diagram



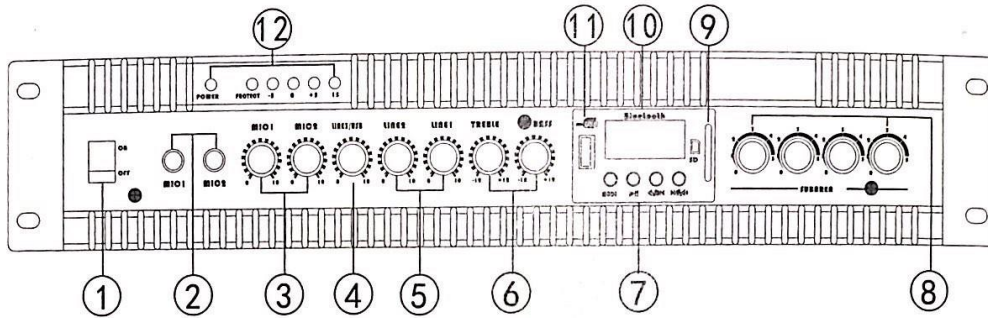
1. MIC 1 input
2. External input source
3. Recording output
4. Power output, can output (4 - 16 Ω / 70V 110V Voltage) can choose the corresponding matching audio access
5. Independent partition output
6. Protection fuse / power socket
7. Fan cooling vent

Technical Parameters

| Rated Output Power | 50W | 60W | 80W | 100W | 120W | 150W | 180W | 250W | 360W | 500W | 650W | 700W | 800W |
|------------------------|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Output Mode | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V | 4-16 Ω 70V/110V |
| Frequency Response | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB | 35HZ-20KHZ 2dB |
| Microphone Input | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB | 600 Ω -52dB |
| Line Input | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB | 10K Ω -10dB |
| Recording Output Level | 600 Ω -0dB (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) | (-10dB) |
| Line Output | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB | +40dB |
| Voltage | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ | 220V 10% 50HZ |
| Output Current | 0.7A | 0.9A | 1.2A | 1.3A | 1.4A | 1.7A | 2.2A | 3.6A | 5.0A | 6.6A | 8.4A | 8.4A | 8.4A |
| Dimension | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482X390X88 | 482*455*88 | 482X455X88 |

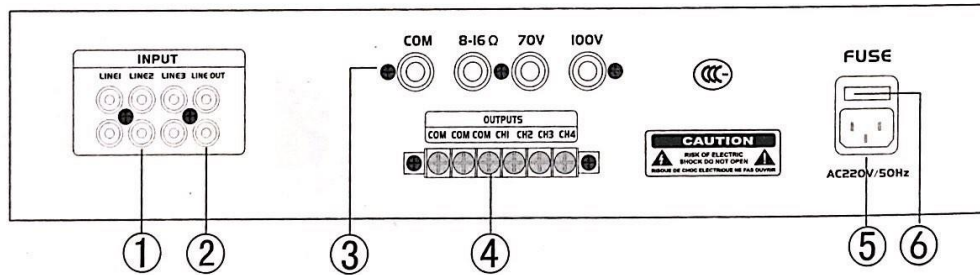
2U Digital Power Amplifier (4-Zone independent volume adjustment)

Front Panel Function Diagram



1. Power switch
2. MIC 1 and MIC 2 input jacks
3. MIC1 and MIC2 volume control knobs
4. MP3 volume control knob
5. Line input volume control knob
6. Treble and Bass control knob
7. MP3 control keys, from left to right: mode function button, play/pause button, previous song (volume minus), next song (volume plus).
8. Partition volume control knob
9. SD card slot
10. Digital tube display
11. USB interface
12. Level indicator.

Bront Panel Function Diagram



1. Line input
2. Line output
3. Power output, can output (4- 1 6 Ω . 70V/110V Voltage) can be selected to match the speaker
4. Independent partition output
5. Power cable, Connect AC220V
6. Power fuse

Technical Parameters

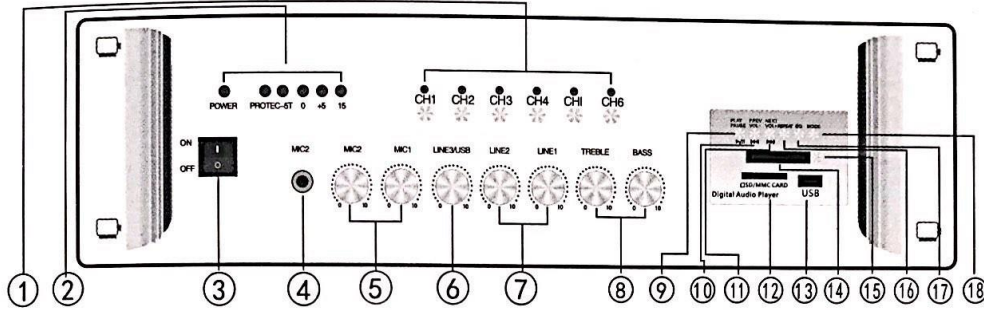
| Rated Output Power | Output Mode | Frequency Response | Microphone Input | Line Input | Recording Output Level | Line Output | Voltage | Output Current | Dimension |
|--------------------|--------------------|--------------------|------------------|------------|------------------------|-------------|-------------------|----------------|------------|
| 150W | 4-16 Ω 70V/110V | 35HZ-20KHZ 2 dB | 600 Ω -52dB | 10 Ω -10dB | 600 Ω -0dB (-10dB) | +40 dB | 220V 1 0% 50HZ | 1. 7 A | 482*305*89 |
| 300W | 4-16 Ω 70V/110V | 35HZ-20KHZ 2 dB | 600 Ω -52dB | 10 Ω -10dB | 600 Ω -0dB (-10dB) | +40 dB | 220V 1 0% 50HZ | 3.2 A | 482*305*89 |

Use Attention Points:

1. Input the correct power supply voltage
2. Keep the machine well ventilated and heat dissipated to avoid damage to the machine due to excessive temperature.
3. Avoid short circuit at the output Load
4. If the machine is abnormal, non-professionals should not open the machine for maintenance to avoid electric shock.

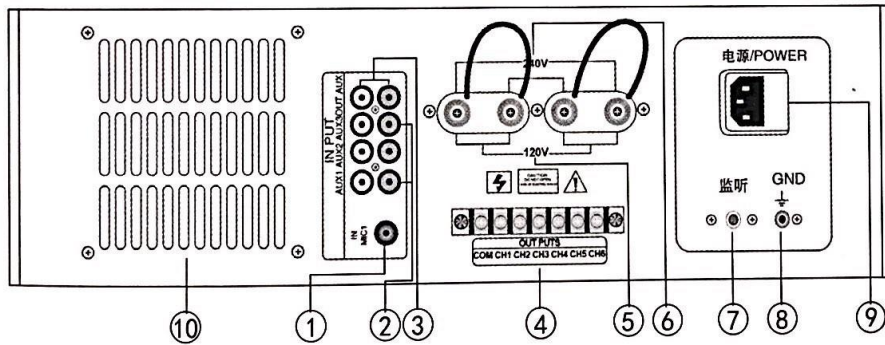
3U Power Amplifier (6-Zone)

Front Panel Diagram



1. Independent partition switch, partition 1 - 6.
2. Level indicator light.
3. Power switch.
4. MIC 2 input can forcibly cut off the music, with silent function.
5. MIC1/MIC 2 music control switch.
6. Line 3 and MP3 control volume switch.
7. Line 1 and line 2 volume control switch.
8. Treble and Bass 0dB- 12dB adjustment.
9. Play/pause (receive/save in the radio).
10. Previous song/volume minus.
11. Next song/volume plus.
12. SD card interface.
13. USB Disk interface.
14. LED display.
15. Infrared receiving port.
16. Repeat play.
17. EQ sound mode switch button.
18. Function switch (Switch/USB/SD/FM /LINE IN).

Back Panel Diagram



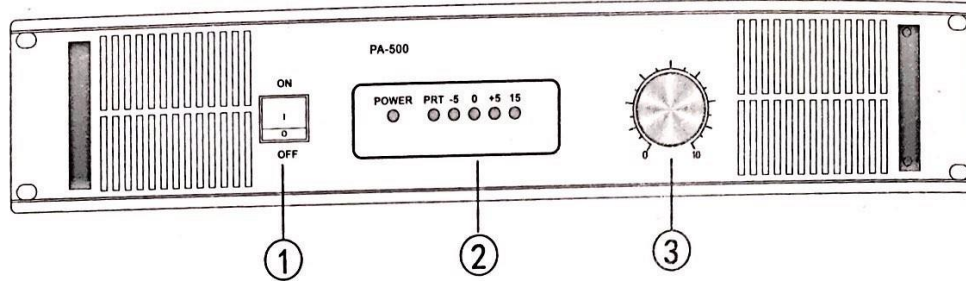
1. MIC1 input
2. External input source
3. Recording output
4. 120V independent partition output
5. 120V output and diagram
6. 240V output and diagram
7. Monitor output
8. Ground protection terminal
9. Protection fuse/power socket
10. Cooling vent

Technical Parameter

| | | | | | | | | |
|--|-----------------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| Rated Output Power | 250W | 350W | 500W | 650W | 1000W | 1200W | 1500W | 2000W |
| Dimension | 480X430X88 | 480X430X88 | 480X430X88 | 480X430X88 | 485X510X132 | 485X510X132 | 485X510X132 | 485X510X132 |
| Other technical parameters are the same as the Pre Power Amplifier | | | | | | | | |
| Output Mode | 4-16Ω/70V/110V (120V) | | | | 120V/240V | | | |

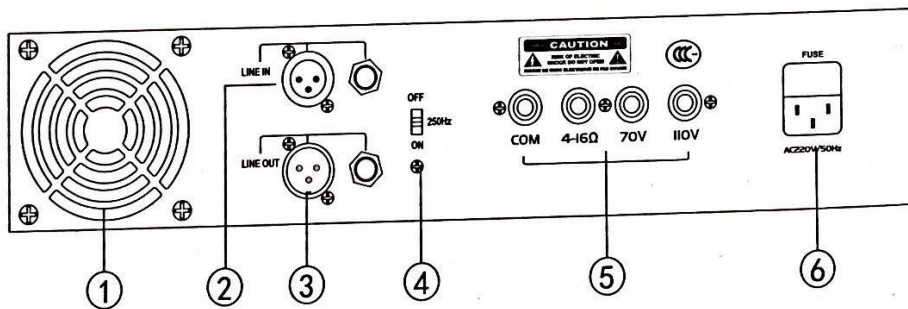
2U Post-stage Power Amplifier

Front Panel Function Diagram



1. Power switch to control the working power of the whole machine
2. Level signal indicator, where +15 is red light, please try not to turn on red light.
3. Volume master switch, control the volume of the whole machine.

Back Panel Function Diagram



1. Cooling fan
2. External audio line input
3. Line output
4. 250Hz low pass filter switch
5. Power output, can output (4- 16Ω/ 70V 110V Voltage) can be connected with the corresponding matching speaker
6. Protection fuse / power outlet

Technical Parameters

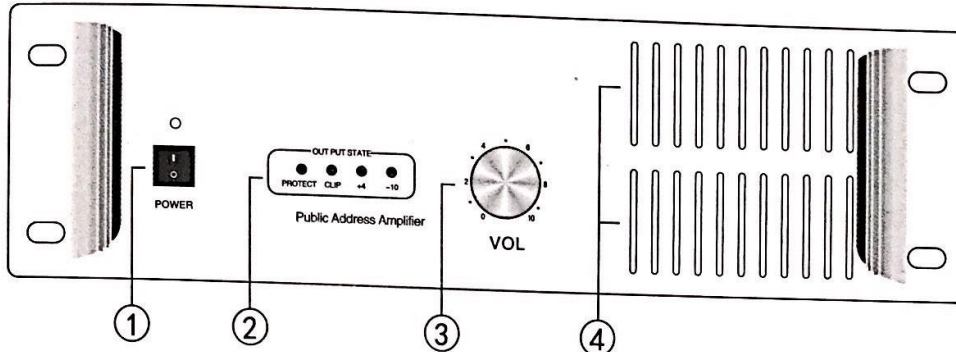
| Rated Output Power | Output Mode | Frequency Response | Line Input | Line Output | Voltage | 输出电流 | 体积 |
|--------------------|----------------|--------------------|------------|-------------|---------------|------|--------------|
| 350W | 4-16Ω 70V/110V | 35Hz-20KHz(-2dB) | 10KΩ-10dB | (-10dB) | 220V 10% 50HZ | 5.0A | 482X390X88mm |
| 650W | 4-16Ω 70V/110V | 35Hz-20KHz(-2dB) | 10KΩ-10dB | (-10dB) | 220V 10% 50HZ | 8.4A | 482X390X88mm |

Use Attention Points:

1. Input the correct power supply voltage
2. Keep the machine well ventilated and heat dissipated to avoid damage to the machine due to excessive temperature.
3. Avoid short circuit at the output Load
4. If the machine is abnormal, non-professionals should not open the machine for maintenance to avoid electric shock.

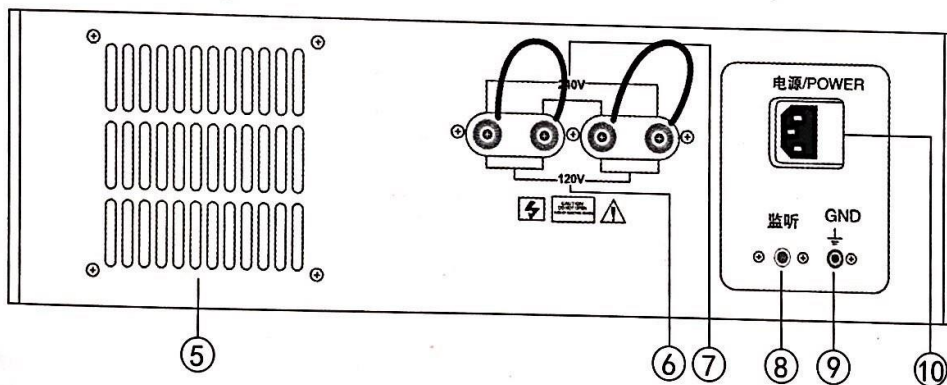
3U Post-stage Power Amplifier

Front Panel Diagram



1. Power switch 2 Level indication 3 Total volume control switch 4. Cooling vent

Back Panel Diagram



5. Cooling vents 6. 120V output and diagram 7. 120V output and diagram
8. Monitor output 9. Ground protection terminal 10. Protective fuse/power socket

Technical Parameters

| Rated Output Power | 250W | 350W | 500W | 650W | 1000W | 1200W | 1500W | 2000W |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|
| Dimension | 480X430X88 | 480X430X88 | 480X430X88 | 480X430X88 | 485X510X132 | 485X510X132 | 485X510X132 | 485X510X132 |
| Other technical parameters are the same as the Pre Power Amplifier | | | | | | | | |
| Output Mode | 120V/240V | | | | | | | |

Connection and Operating Instructions

1. Check that the power supply voltage should match the unit (the power supply requires a grounding wire).
2. When connecting the input signal output cable, turn off the power switch of the unit.
3. Confirm that the speaker load matches the amplifier output impedance.
4. Input and output lines are connected, the volume should be adjusted to the minimum volume before power-on to prevent damage to the speaker and transmit and receive audio transformer.
5. The total volume of the unit is adjusted, when starting to play, slowly adjust the volume knob from a small time.
6. When the microphone is inserted, slowly adjust the volume to prevent howling.