

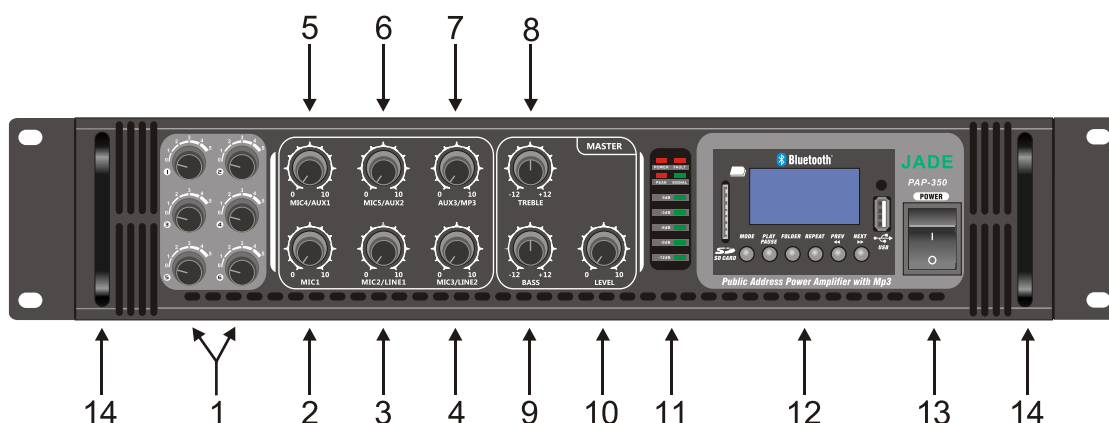
NOTES

- Please read the entire attached documents carefully before using the device, and keep this manual for your reference.
- Please use the original packaging if the device is to be transported. Never remove the serial barcode from the device as this would make the guarantee void.
- Please don't use organic cleaner but dry soft cloth to clear the device.
- The device should be equipped far away high temperature, moisture and powerful electromagnetic field.
- The power supply must match the demand of the device with reliable ground wire.
- All covering signal should be complied with the demand of the device.
- Make sure to shut off before connecting.
- Please consider that unauthorized modifications on the speaker system are forbidden due to safety reasons!
If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, hearing loss etc.

FEATURE

- 5 MIC inputs, 2 LINE inputs and 3 AUX inputs, 1 Pre-amp output, 1 group of Aux Send and Aux Return
- MIC1 input with priority-function, automatically mute other input
- Main volume control, treble and bass adjustors
- Power, fault, signal and peak indication, 5-segments signal level indication
- Built-in Mp3 player with Bluetooth
- Protection: turn on delay, over current, over heating, short-circuit protection and limit
- 6 zoning output with separate volume controllers
- Use CMOS power transistor
- Output type: 100V, 70V, 4~16ohm
- Power supply: AC230V, DC24V(backup power)

FRONT PANEL DESCRIPTION



1. Zone Volume Control

There are six rotatable band switches, to control six Zones volume in five steps. When they are setting to 0 position, Zone outputs are turned off.

2. Mic1 Volume Control

This control determines the proportion of the MIC1 channel signal in the mix, and provides a visual indication of channel vol.

3. Mic2/Line1 Volume Control

This control determines the proportion of the MIC2/LINE1 channel signal in the mix, and provides a visual indication of channel vol.

4. Mic3/Line2 Volume Control

This control determines the proportion of the MIC3/LINE2 channel signal in the mix, and provides a visual indication of channel vol.

5. Mic4/Aux1 Vol

This control determines the proportion of the MIC4/AUX1 channel signal in the mix, and provides a visual indication of channel vol.

6. Mic5/Aux2 Vol

This control determines the proportion of the MIC5/AUX2 channel signal in the mix, and provides a visual indication of channel vol.

7. Aux3/Mp3 Vol

This control determines the proportion of the AUX3/MP3 channel signal in the mix, and provides a visual indication of channel vol.

8. Treble Control

Turn this knob clockwise to boost high frequency. The control has a shelving response giving 15dB of boost or cut at 10kHz.

9. Bass Control

Turn this knob clockwise to boost low frequency. The control has a shelving response giving 15dB of boost or cut at 100Hz.

10. Level Vol

Turn this knob to adjusts the final level of the Main output.

11. The Led Indicator For Power, Fault, Peak, Signal And Level

When the power switch is turned on, the POWER LED will be illumed, so the user may be aware of it.

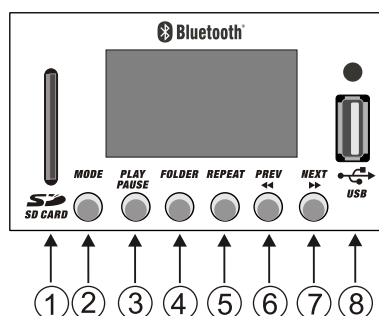
When the FAULT LED is illumed, means the device is damaged, so you must stop using it.

The PEAK indicator circuit monitors the output signal level. When it illuminates, means that the gain or EQ boost should be reduced.

The signal LED lights when the output signal level reaches approximately -30dBu.

10-segment LED METER monitors output signal level.

12. Mp3 Player With Bluetooth



- (1) The SD card connector.
- (2) **MODE**: Push this key and release, change playing mode to USB, SD or Bluetooth. Push it with 1 second, turn on/off the player.
- (3) **PLAY/PAUSE**: In playing state, push this key and release to pause playing, push it again to recover playing.
- (4) **FOLDER**: Push this key and release, enter the folder menu. Then push the “PREV” or “NEXT” key to select a song, and push the “PLAY/PAUSE” key to play it.
- (5) **REPEAT**: Push this key to change cycle mode.
- (6) **PREV/◀**: Push this key and release, play the previous song. In USB or SD playing mode, push it and hold, enter the fast rewind state. In Bluetooth playing mode, push it and hold, decrease playing volume.
- (7) **NEXT/▶**: Push this key and release, play the next song. In USB or SD playing mode, push it and hold, enter the fast forward state. In Bluetooth playing mode, push it and hold, increase playing volume.
- (8) The USB connector.

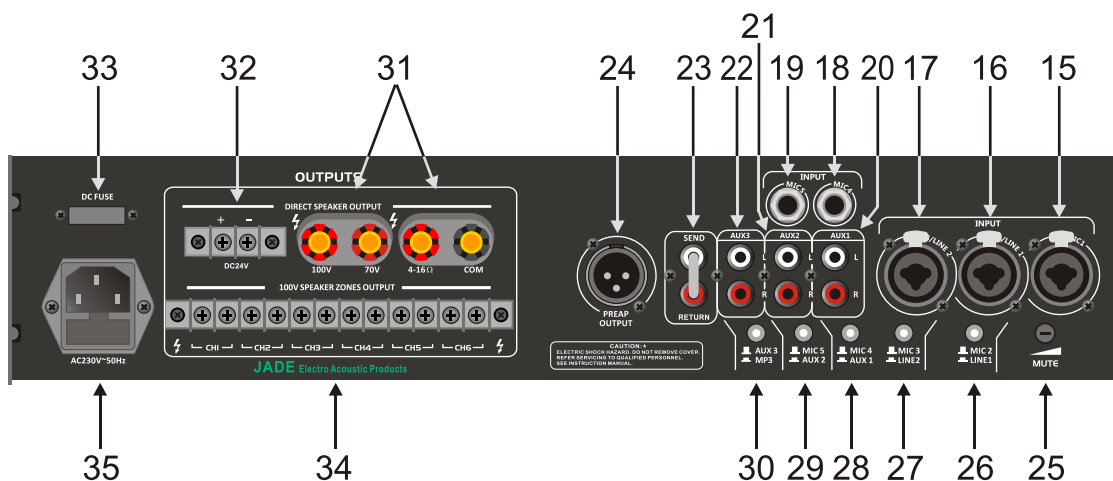
13. Power Switch

Depressing the power switch supplies power to the power amplifier.

14. Handles

Handles are used for easy transportation.

REAR PANEL DESCRIPTION



15. Mic1 Input

The MIC1 input accepts XLR/TRS phone jack. Please use a low impedance microphone and a properly wired cable for best results. MIC1 input with priority-function, automatically mute other inputs channel. Adjusting the Mute Control(25) to increase or decrease other input channels volume when MIC1 working.

16. Mic2/Line1 Input

The MIC2 input accepts XLR phone jack while the LINE1 input accepts a 1/4" type TRS jack. Please use a low impedance microphone and a properly wired cable for best results.

17. Mic3/Line2 Input

The MIC3 input accepts XLR phone jack while the LINE2 input accepts a 1/4" type TRS jack. Please use a low impedance microphone and a properly wired cable for best results.

18. Mic4

The MIC4 input accepts a 1/4" type TRS phone jack. Please use a low impedance microphone and a properly wired cable for best results.

19. Mic5

The MIC 5 input accepts a 1/4" type TRS phone jack. Please use a low impedance microphone and a properly wired cable for best results.

20. Aux1 Input

The AUX1 input (with RCA sockets) allows cassette recorder or CD player and sent to the Main output.

21. Aux2 Input

The AUX2 input (with RCA sockets) allows cassette recorder or CD player and sent to the Main output.

22. Aux3 Input

The AUX2 input (with RCA sockets) allows cassette recorder or CD player and sent to the Main output.

23. A Group Of Send And Return

Connect SEND(RCA socket) connector to an external device for sending output signal to that device.
Connect RETURN(RCA socket) connector to an external device for accepting signal from that device.
If you don not use an external device, please connect SEND and RETURN for short-circuit.

24. Preamp Out

The PREAMP(previous amplifier) OUTPUT with XLR-M socket provides signal to a cassette deck or home audio equipment.

25. Mute Control

Adjusting the Mute Control to increase or decrease other input channels volume when MIC1 working.

26. Mic2/Line1 Button

A button for changing input source between Mic2 and Line1.

27. Mic3/Line2 Button

A button for changing input source between Mic3 and Line2.

28. Mic4/Aux1 Button

A button for changing input source between Mic4 and Aux1.

29. Mic5/Aux2 Button

A button for changing input source between Mic5 and Aux2.

30. Mp3/aux3 Button

A button for changing input source to Mp3 player or Aux3.

31. Speaker Output Connector With Pole

3 direct speaker outputs with pole connectors. These poles contain: COM, 4~16 Ω , 70V and 100V.

32. Dc 24v In

Outside DC 24V input connector with 2 terminals.

33. Dc24v Fuse Holder

A fuse in this fuse holder for DC24V power supply.

34. Zone 1~6 Output Connector

6 zone outputs with terminal connectors. The maximum voltage of these outputs is 100V.

35. Ac Power Input Connector With Fuse

Connect the POWER INPUT CONNECTOR to an electrical outlet by a power cord. This PA-amplifier can be supplied with the AC127V/60Hz power.

TECHNICAL SPECIFICATIONS

Model	PAP-180	PAP-350	PAP-450
Rating power	180W RMS	350W RMS	450W RMS
Mic input	5 mV, 600 ohm		
Line input	300 mV, 10k ohm		
AC FUSE	5A/250V	7A/250V	7A/250V
DC FUSE	20A/250V	25A/250V	30A/250V