

PA106U PA112U PA125U PA135U PA150U PA165U

Digital Mixer Amplifier



Description

PA106U PA112U PA125U PA135U PA150U PA165U Digital Mixer Amplifier is a multi-functional mixer amplifier integrated with the functions of USB flash disk, FM, Bluetooth. PA106U/120U/250U support 70V/100V and 4-16 Ω speaker output, while PA135U/500U/650U support 100V and 4-16 Ω speaker output. With 3 Mic, 2 AUX, 2 EMC for audio input. With various functions, including clear screen display of status, EMC IN, MIC IN with phantom power, priority of inputs, user-friendly and easy to use. The device can meet the requirements of the users and can be widely used.

Features

- With segment code tube screen, and intuitive display, more convenient for users to use.
- With built-in Bluetooth, FM and USB function.
- With 3 MIC IN, 1 EMC IN, 2 AUX IN, 1 AUX OUT.
- Support 100V and 70V constant voltage output, and 4 Ω ~16 Ω constant resistance output.
- Can be controlled by the infrared remote controller.
- With priority function, and the priority is MUTE>EMC=Alarm=Chime>MIC1>Others (When there is an alarm, no chime can be output).
- With master volume control, independent volume control of MIC and AUX, and TREBLE and Bass volume control.
- With SIREN short circuit trigger function, which can be remotely controlled by this machine or controlled by other devices, with independent alarm output.
- With MUTE short circuit trigger function, which can be remotely controlled by this machine or controlled by other devices.
- With 1 EMC IN, which can be used to input alarm signals from other devices to this machine.
- With power-off memory function.

Specifications

Model	PA106U	PA112U	PA125U	PA135U	PA150U	PA165U
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Power Supply	AC110-240V 50/60Hz	AC110-120V or 200-240V 50/60Hz	AC115V or 230V 50/60Hz				
MIC1 IN Sensitivity	10mV ±1mv						
MIC2 IN Sensitivity	10mV±1mv						
AUX1 IN Sensitivity	350mV±50mv						
AUX2 IN Sensitivity	350mV±50mv						
EMC IN Sensitivity	350mV±50mv						
MIC Frequency Response	120Hz ~ 12kHz (±3dB)						
AUX Frequency Response	80Hz ~ 15kHz (±3dB)						
Distortion	<1%						
Treble	10dB (±2)						
Bass	10dB (±2)						
Working Temperature	-10-50°C						
Relative Humidity	20%-80%						
Rated Output Power	AC110-240V	60W	120W	250W	350W	500W	650W
	DC24V	60W			175W	250W	325W
Port Output Voltage	4-16Ω, 70V, 100V (constant-voltage output)			4-16Ω, 100V (constant-voltage output)			
Machine Dimensions (D×W×H)	430×280×88mm		430×330×88mm		430×380×88mm		
Package Dimensions	500×450×165mm		500×500×165mm		550×500×165mm		
Net Weight	3.8KG	4.6KG	6.8KG	6.1KG	6.3KG	7KG	
Gross Weight	5KG	5.8KG	8.3KG	7.6KG	7.8KG	8.5KG	

Front / Rear Panel

1. MIC1 IN

2. USB Port

Insert a USB to provide programs for the built-in MP3.

3. MIC1 Volume Control

Adjust MIC1 volume, turn clockwise to turn up the volume, and turn counterclockwise to turn down the volume.

4. MIC2 Volume Control

Adjust MIC2 volume, turn clockwise to turn up the volume, and turn counterclockwise to turn down the volume.

5. Mode Button

It can switch to line input mode (AUX), USB mode (USB), Bluetooth mode (BLUE), and FM mode (FM).

6. MIC3/AUX2 Volume Control

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

7. Play/Pause Button

- In USB and Bluetooth mode, press this button to pause / play.
- In FM mode, press this button to search the radio

automatically.

8. Previous Song / (Previous Radio in FM)

- In USB and Bluetooth mode, press this button to switch to the "Previous Song".
- In FM mode, press this button to switch to the "Previous Radio".
- In FM/Bluetooth/USB mode, long press this button to turn down the volume.

9. Display Screen

10. Next Song / (Next Radio in FM)

- In USB and Bluetooth mode, press this button to switch to the "Next Song".
- In FM mode, press this button to switch to the "Next Radio".
- In FM/Bluetooth/USB mode, long press this button to turn up the volume.

11. AUX1 Volume Control

Adjust AUX1 volume, turn clockwise to turn up the volume, and turn counterclockwise to turn down the volume.

12. Chime 1 Button

- Press this button to play Chime 1 at the default maximum volume. At this time, this indicator at the lower right corner of the display screen is green, and it will be off after the Chime 1 finishes playing.
- Long press this button and release it to decrease the volume of Chime 1/Chime 2 gradually from 15 to 0. Each time the volume is adjusted, the indicator at the lower right corner of the display screen will flash a green light, and when the volume is adjusted to the maximum or minimum, the indicator will turn green on for 2-3s.
- Each time the machine is powered off and restarted, the volume will automatically return to the maximum.

13. Chime 2 Button

- Press this button to play Chime 2 at the default maximum volume. At this time, this indicator at the lower right corner of the display screen is green, and it will be off after the Chime 2 finishes playing.
- Long press this button and release it to increase the volume of Chime 1/Chime 2 gradually from 0 to 15. Each time the volume is adjusted, the indicator at the lower right corner of the display screen will flash a green light, and when the volume is adjusted to the

maximum or minimum, the indicator will turn green on for 2-3s.

- Each time the machine is powered off and restarted, the volume will automatically return to the maximum.

14. BASS Volume Control

Take the central position as the benchmark, turn counterclockwise to turn down the bass, and turn clockwise to turn up the bass.

15. TREBLE Volume Control

Take the central position as the benchmark, turn counterclockwise to turn down the treble, and turn clockwise to turn up the treble.

16. LEVEL LED

Display the audio output level.

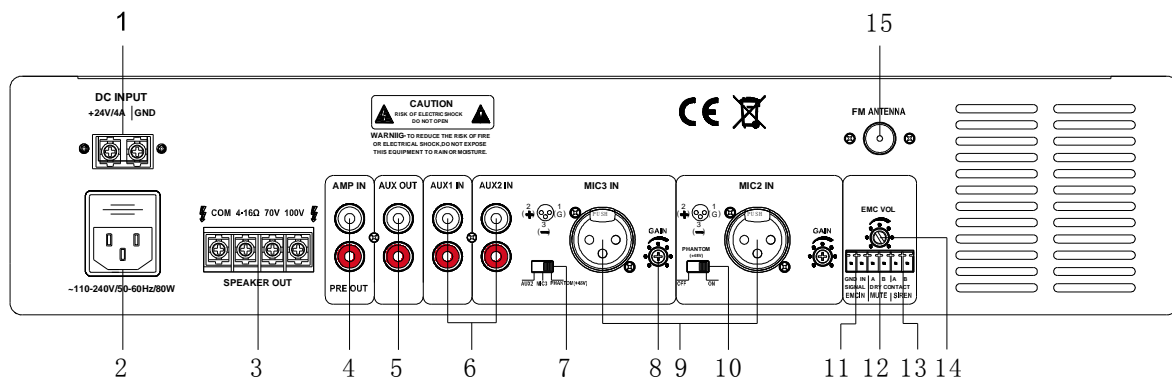
17. MASTER Volume Control

Adjust the level of all signals (except for EMC IN on the rear panel), turn clockwise to turn up the volume, and turn counterclockwise to turn down the volume.

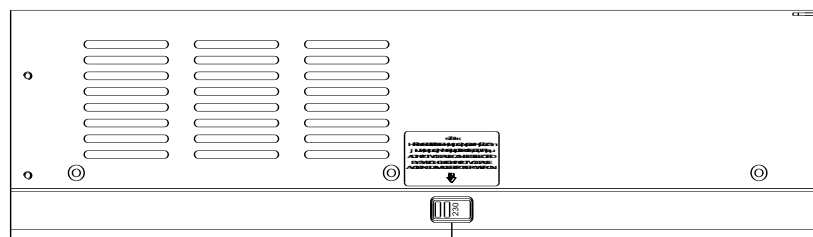
18. POWER LED

19. POWER

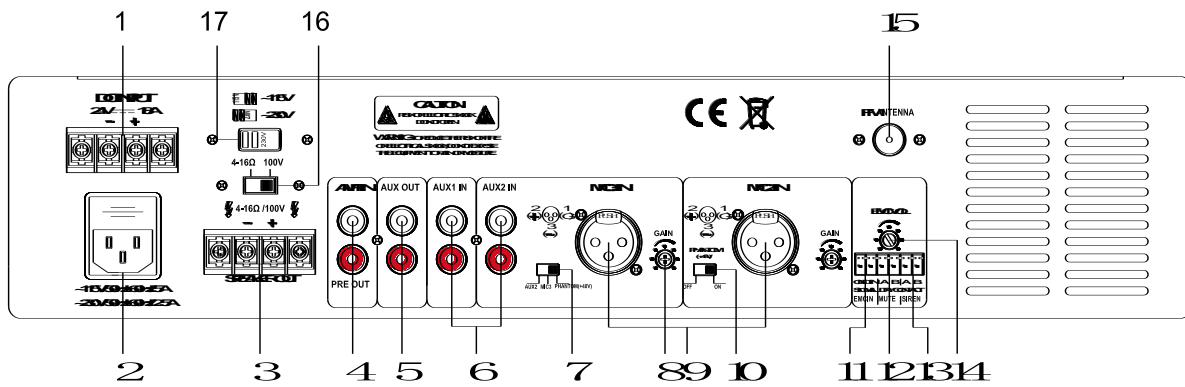
Press "ON" to turn on the power, while press "OFF" to turn off the power.



PA106U/PA112U/PA125U Rear Panel



PA125U Side Panel



PA135U/PA150U/PA165U Rear Panel

1. DC+24V Power IN (EMC Power IN, can only output 60W)

2. Power IN AC110-240V

Connect a power plug from this interface. Insert the plug into the machine and then connect the power grid.

3. Constant Resistance and Constant Voltage Output End

Output to constant resistance or constant voltage speakers.

4. Extended Preamp Interface

5. AUX OUT

6. AUX1 IN and AUX2 IN

7. Audio Source Selection Switch (AUX2-MIC3. Note: Please turn down the volume or turn off the device before using the switch.)

AUX2 and MIC3/48V. Phantom voltage switch. You can toggle the switch left and right to choose.

8. MIC Gain Control

9. MIC2 and MIC3 Balanced IN

10. Phantom Power Switch

11. EMC Trigger IN

12. MUTE Short Circuit Trigger

13. SIREN Short Circuit Trigger

14. Alarm Gain Control

15. FM Antenna

Connect the FM antenna to this port.

16. Constant-resistance and Constant-voltage Switch (Can switch to 4-16Ω or 100V, only for PA135U, PA150U and PA165U)

Select the output gear through the switch. Please check the output mode and switch gear before power-on to avoid module damage.

17. AC Power Switch (Can switch voltage, only for PA125U, PA135U, PA150U and PA165U)

Select the AC input voltage through the switch. Please check the input voltage and switch gear before power-on to avoid module damage.