DMA60U DMA120U DMA250U DMA350U DMA500U DMA650U

Digital Mixer Amplifier

Description

DMA60U DMA120U DMA250U DMA350U DMA500U DMA650U Digital Mixer Amplifier is a multi-functional mixer amplifier integrated with the functions of USB flash disk, FM, Bluetooth. DMA60U/120U/250U support 70V/100V and 4-16Ω speaker output, while DMA350U/500U/650U support 100V and 4-16Ω 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 4Ω～16Ω 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.

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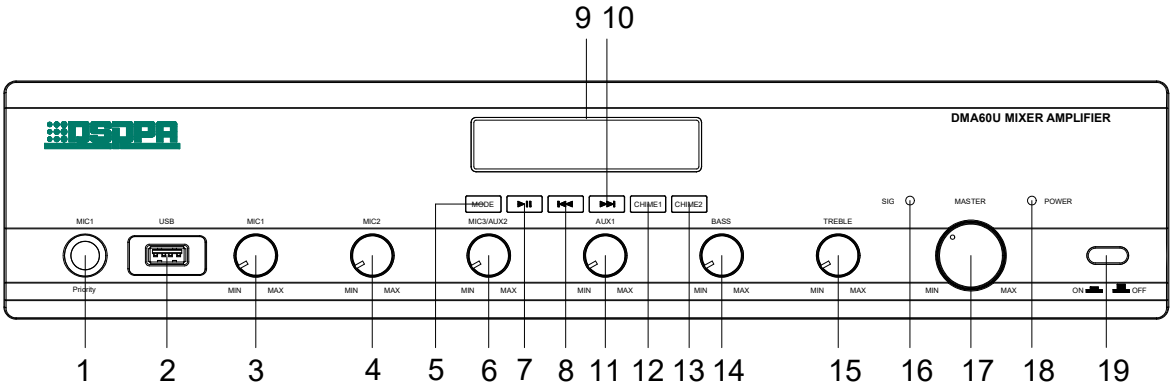
Specifications

Model		DMA60U	DMA120U	DMA250U	DMA350U	DMA500U	DMA650U
Power Supply		AC110-240V 50/60Hz		AC110-120V or 200-240V 50/60Hz	AC110-AC115V or AC220-230V 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%					
SNR (A-weighted)		AUX≥75dB MIC≥71dB					
Treble		10dB (±2)					
Bass		10dB (±2)					
Working Temperature		-10-50℃					
Relative Humidity		20%-80%					
Rated Output Power	AC 110-240V	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

Front 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.

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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.

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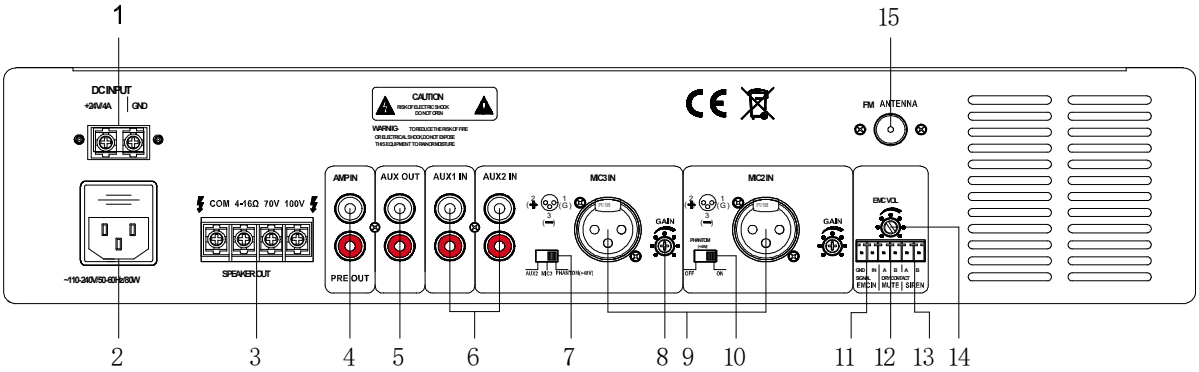
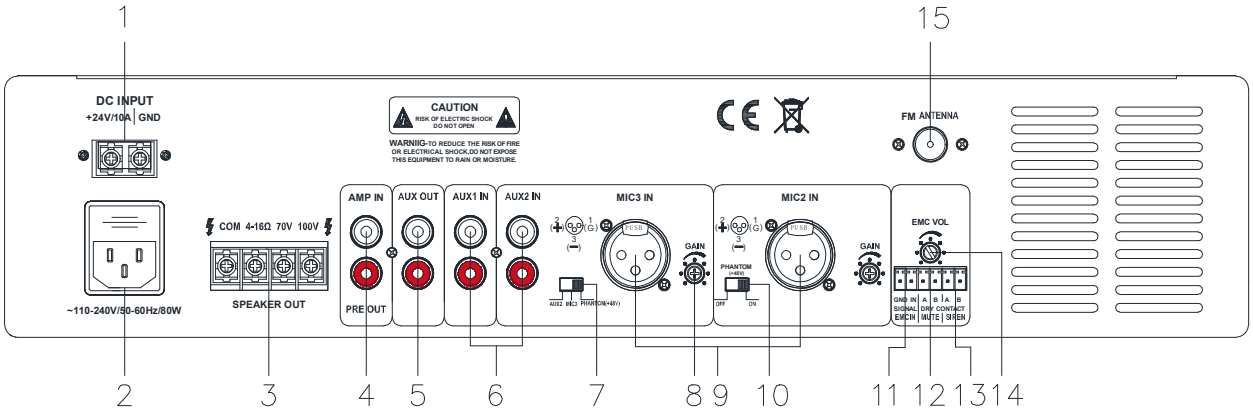
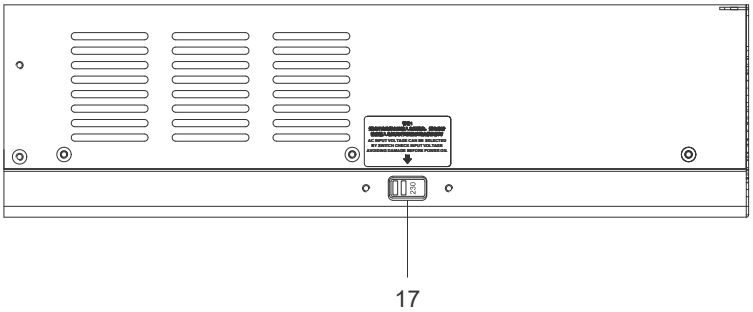
Rear Panel



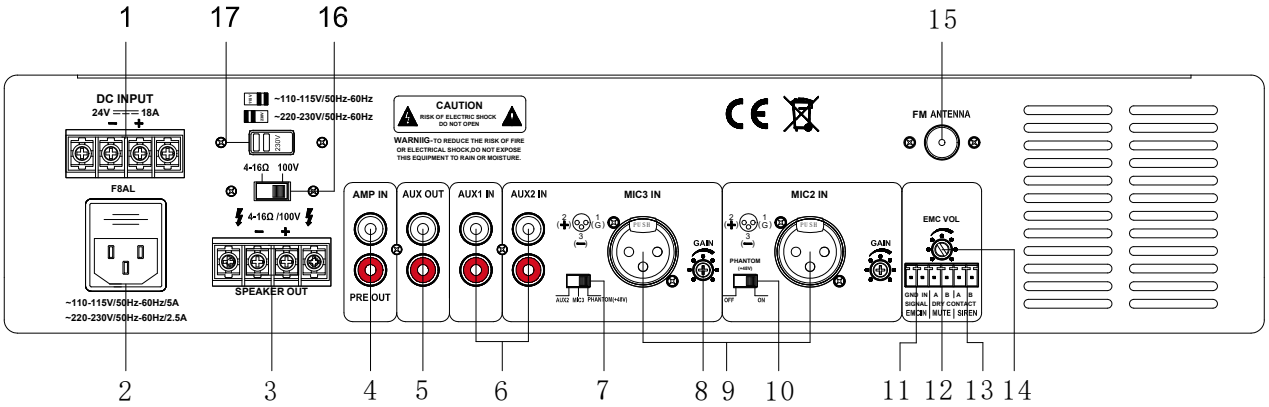
DMA60U/DMA120U Rear Panel



DMA250U Rear Panel



DMA250U Side Panel



DMA350U Rear Panel

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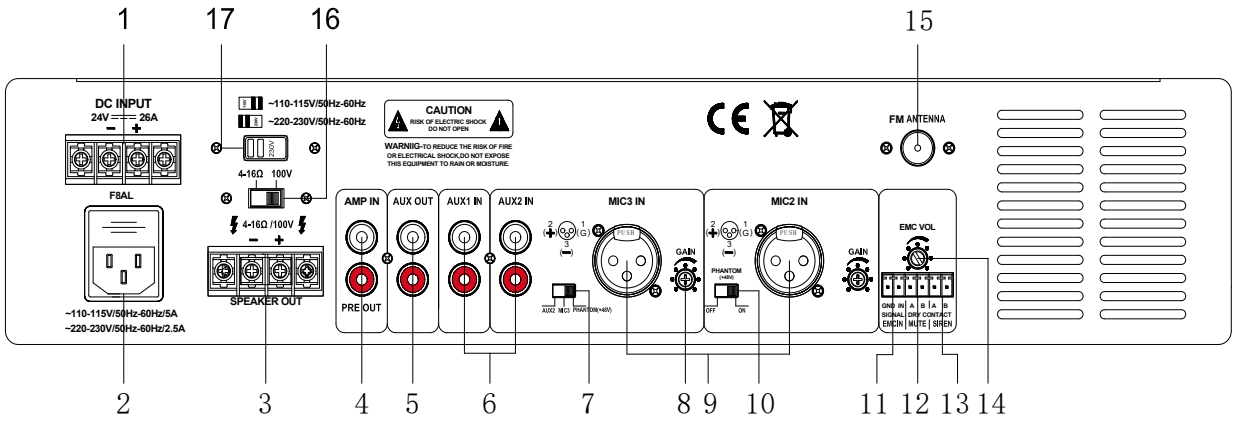
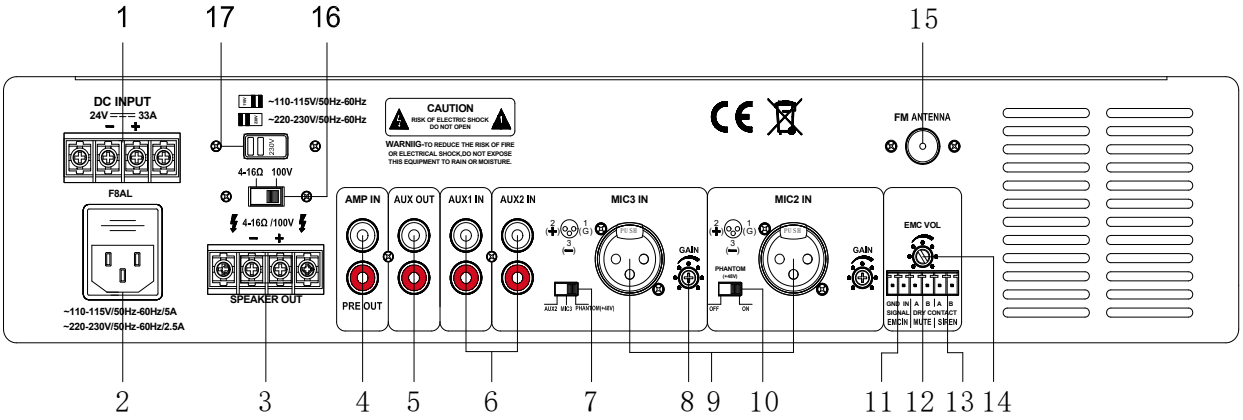


DMA500U Rear Panel



DMA650U Rear Panel

1. DC+24V Power Input Port

Use a power supply that meets the specified output current on the silk screen label, otherwise, there may be stuttering due to insufficient power output from the power supply.

2. Power IN Socket

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 Preamplifier 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 DMA350U, DMA500U and DMA650U）

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 DMA250U, DMA350U, DMA500U and DMA650U)

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

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