DMA6250U DMA6350U DMA6500U DMA6650U

Digital Mixer Amplifier



Description

DMA6250U Series Digital Mixer Amplifier can be used in conjunction with the DMA20 Remote Paging Station, supporting 2-channel RJ-45 remote paging microphone. The amplifier has a screen for intuitive display, with such input sources as 4 MIC, 4 AUX, USB, FM, Bluetooth and TF. It also provides protection function when overload, clipping, short circuit and abnormal working temperature occur. It is an amplifier integrating multiple functions to meet users' demand.

Features

- LCD lattice screen with backlight to display more information, more user-friendly;
- Five-segment level indicator;
- Built-in Bluetooth, FM, MP3 playback;
- Two-channel RJ-45 remote paging microphone interfaces with zone control and strong cut function, DC+24V power supply, 6 paging stations cascaded per channel, as far as 300m-600m transmission distance.
- With independent volume adjustment knob of six zones ;
- With strong cut and one-touch to switch functions when broadcast certain zones;
- AC and DC24V power supply can be turned off;
- 4 microphone inputs, 1 emergency signal input, 4 line inputs and 1 line output;
- 70V/100V fixed voltage output and 4-16Ω fixed-resistance output;
- With priority function, the order is MUTE>EMC IN>SIREN>MIC1>CHIME>Remote paging>LINE1=MIC2/LINE2=MIC3/LINE3=MIC4/LINE4=MP3=BT=FM (no chime output when there is an alarm sound);
- With total volume control; Zone, Siren, Chime, EMC IN, MIC and AUX volume control; treble and bass tone control;
- SIRNE short-circuit trigger function, the device can be remotely controlled or controlled by other equipment, with independent alarm sound output;

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- MUTE short-circuit triggered mute function, which can be controlled remotely or by other devices;
- 1-channel EMC alarm signal input to input alarm signals from other devices;
- Can be controlled by an infrared remote control;
- With power-off memory function, it will display the last content when powers on.

Specifications

Model		DMA6250U	DMA6350U	DMA6500U	DMA6650U
Power		AC220-230V 50 / 60Hz			
Input Sensitivity	MIC1	5mV ±1mv (Balanced XLR Input)			
	MIC2/MIC3/MIC4	5mV ±1mv (Unbalanced Phoenix Jacks)			
	AUX1	350mV±50mv (Unbalanced RCA Input)			
	AUX2	350mV ±50mv (Unbalanced Phoenix Jacks)			
	EMC	350mV ±50mv (Unbalanced Phoenix Jacks)			
MIC Frequency Response		120Hz ~ 12kHz (±3dB)			
AUX Frequency Response		80Hz ~ 15kHz (±3dB)			
THD		<1%			
Treble Adjustment Range		10dB （±2）			
BASS Adjustment Range		10dB （±2）			
Phantom Power		+ （48±5） V			
Rated Output Power		250W	350W	500W	650W
Static Power Consumption	AC220-230V Power Supply	21W	21W	40W	40.8W
	DC24V Power Supply	22.8W	23W	34.5W	37.7W
Rated Power Consumption	AC220-230V Power Supply	337W	450W	600W	800W
	DC24V Power Supply	183W	252W	323.5W	435W
Output Voltage of Port		4-16Ω,70V,100V(fixed voltage output)			
Current		2A	3A	4A	
Protection		F3.15AL	F6.3AL	F8AL	
Machine Dimension(D×W×H)		430×390×88mm			
Package Dimension:		545×500×165mm			
Net Weight		8.6KG	9KG	10.1KG	11KG
Gross Weight		9.8KG	10.2KG	11.3KG	12.2KG

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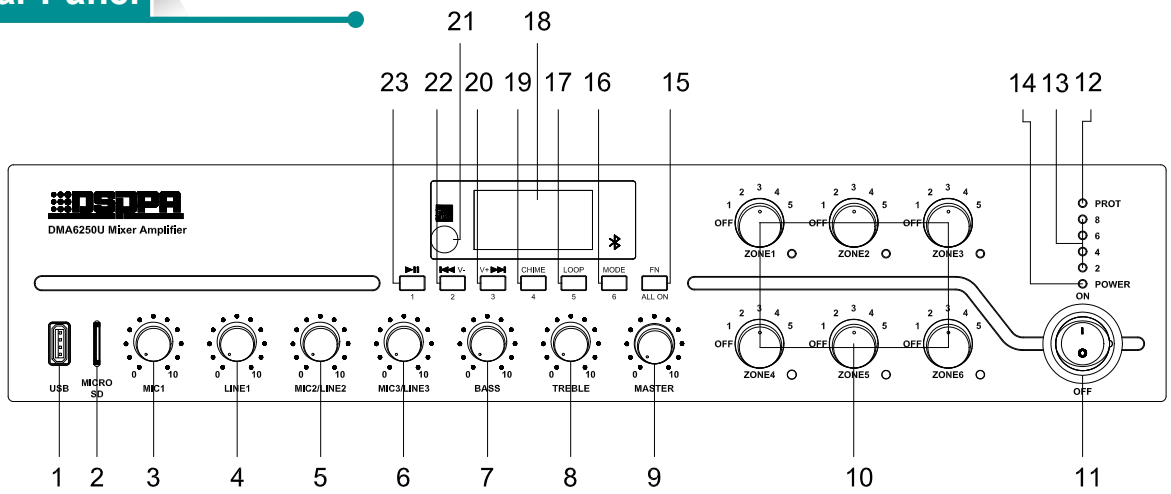
Front / Rear Panel



1.USB

Insert a USB flash drive here to provide programs to the built-in MP3, whose memory is 32G;

2.SD Card

3. MIC1 Volume Adjustment Knob

Adjust the volume of the MIC1, clockwise to volume up and counterclockwise to volume down;

4. LINE1 Volume Adjustment Knob

Adjust the volume of the LINE1, clockwise to volume up and counterclockwise to volume down;

5. MIC2/LINE2 Volume Adjustment Knob

Adjust the volume of the MIC2/LINE2, clockwise to volume up and counterclockwise to volume down;

6. MIC3/LINE3 Volume Adjustment Knob

Adjust the volume of the MIC3/LINE3, clockwise to volume up and counterclockwise to volume down;

7. Bass Volume Adjustment Knob

With the center position as the reference, clockwise to volume up and counterclockwise to volume down;

8. Treble Volume Adjustment Knob

With the center position as the reference, clockwise to volume up and counterclockwise to volume down;

9. Main Volume Adjustment Knob

Adjust the volume of all signals (except the emergency input signal on the rear panel), clockwise to volume up and counterclockwise to volume down;

10. 6-Zone Volume Adjustment Knob & Indicator

- Adjust the volume of 6 zones, clockwise to volume up and counterclockwise to volume down;
- When the zone is open, the corresponding indicator is blue;

11. Power Switch

Press down button“ON” to turn on the power, and “OFF” to turn it off;

12. Protection Indicator (DC temperature, overcurrent, or short circuit protection)

13. Level Indicator

Level display of audio output;

14 . Power Supply LED

15.FN Zone Switch

Short press to control zone 1-6 to be on or off, press it to turn on the zones, then use the button “1”, “2”, “3”, “4”, “5”, “6” on the panel to turn on or off the corresponding zone. If you press the FN button for more than

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1s, all the zones will be opened, and if you press the FN button for more than 1s again, the zones will be restored to the state before they were all opened.

16. Mode

The modes that can be switched are USB mode, AUX line mode, Bluetooth play mode and FM radio mode;

17. LOOP Volume Adjustment Button

Adjustable volume of MIC4/LINE4, EMC, Chime, and SIREN, volume 0-32 (for detailed operation, please refer to No.8 of the "Operating Instructions" item below);

18. Display screen

19. Chime button

Press the button to trigger playback of either the built-in alarm source or a custom alarm source from the TF card.

20. Next song / (FM mode for next program)

- In USB and Bluetooth modes, press this button to the "next song";
- In FM mode, press this button to the "next program";
- In FM, AUX, USB, SD and Bluetooth modes, long press this button to turn down the volume of MP3 sources (including FM, SD, USB and Bluetooth)

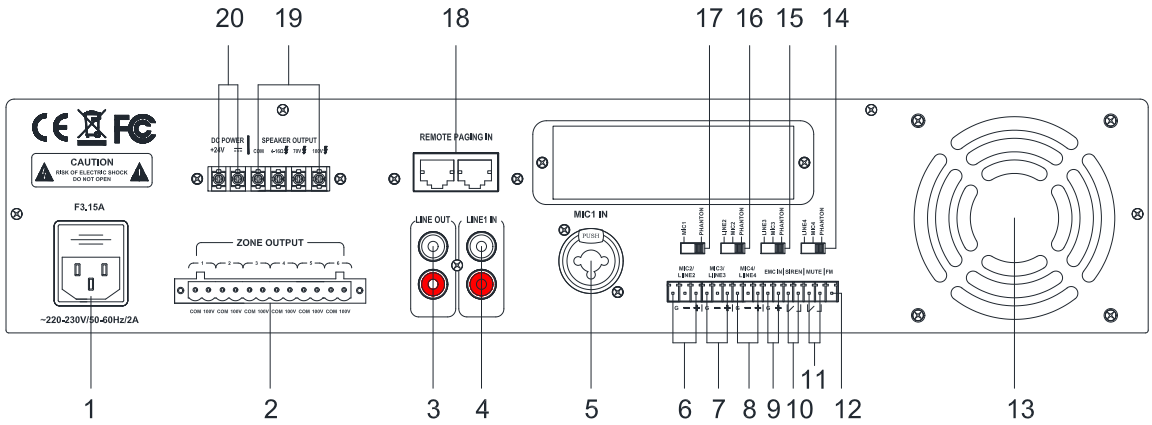
21.Infrared Remote Control Receiving

22. Previous Song / (FM mode for previous program)

- In USB and Bluetooth modes, press this button to the "Previous song";
- In FM mode, press this button to the "Previous program";
- In FM, AUX, USB, SD and Bluetooth modes, long press this button to turn up the volume of MP3 sources (including FM, SD, USB and Bluetooth)

23. Play/Pause

- In USB and Bluetooth modes, press this button to Pause;
- In FM mode, press this button to the search;



Take the rear panel of DMA6250U as an example

1. Power Input Connector AC220-230V

Access the power plug to this connector. When connecting, please insert the plug of this device first, and then connect to the grid.

2. 6-zone Output

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3. **LINE Output**
4. **LINE1 Input**
5. **MIC1 Balanced Input**
6. **MIC2, LINE2 Input**
7. **MIC3, LINE3 Input**
8. **MIC4, LINE4 Input**
9. **EMC Trigger Input**
10. **SIREN Short-circuit Trigger**

A short circuit continuously triggers playback of either the built-in alarm source or a custom alarm source from the TF card. When the short circuit is cleared, playback stops immediately.

11. **Silent Short-circuit Trigger**
12. **FM Antenna**
13. **Fan Port**
14. **LINE4, MIC4 Phantom Voltage Switch**

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)

15. **LINE3/ MIC3 Phantom Voltage Switch**

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)

16. **LINE2/ MIC2 Phantom Voltage Switch**

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)

17. **MIC1 Phantom Voltage Switch**

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)

18. **DMA20 Remote Paging MIC Input**
19. **Fixed resistance and voltage output**

Fixed resistance/voltage Speakers

20. **DC+24V Power Input (emergency power input)**

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