

## DMA20

# Paging Microphone with Chimes and 6-Zone Selection for DMA6250U Series Amplifiers



### Description

The DMA20 Paging Microphone with Chimes and 6-Zone Selection is designed to operate seamlessly with the DMA series six-zone amplifier. It features a capacitive touch interface combined with a premium glass panel, enhanced by an anti-smudge coating and precision bevel edging. The result is a smooth user experience with a refined, modern appearance.

The system is easy to operate, offering clear and intuitive signal indication. Each zone corresponds directly to the amplifier's six-zone selection, enabling fast and efficient paging control. Built for reliability, the console ensures stable performance with minimal maintenance, making it a dependable solution for professional paging applications.

### Features

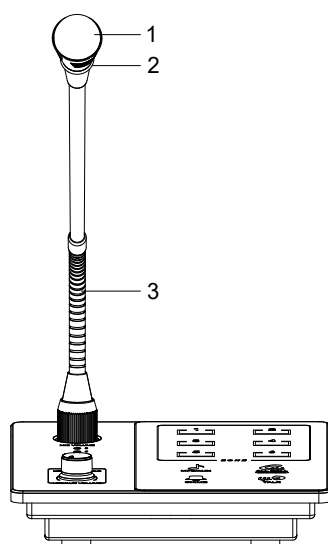
- Independent zone buttons allow direct control of all six amplifier zones.
- Built-in signal level indicators provide clear and visual feedback of paging output.
- Key lock function prevents unintended operation.
- Two selectable chime tones: chime up and chime down.
- Dual RJ45 interfaces supports zone control and override functionality. When daisy-chaining via a single port, one amplifier can connect up to six paging stations with a maximum distance of 300 m. For single-unit connection, transmission distance can reach up to 600 m.
- Powered directly by the DMA six-zone amplifier, eliminating the need for an external power supply. (Note: Each host supports up to six remote paging microphones.)
- Integrated hidden knob for microphone volume adjustment.
- One-touch button for paging all zones simultaneously.

- Anti-fingerprint coating ensures a clean and premium touch surface.
- Priority function supported, with ID6 set as the highest-priority paging microphone.

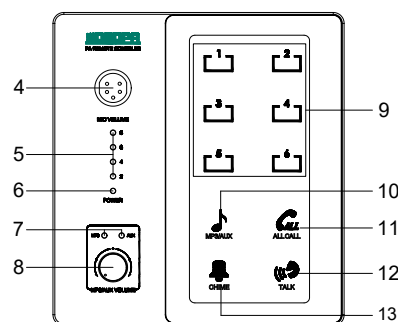
## Specifications

Model	DMA20
Sensitivity	30±3mV
Frequency Response	200Hz-15KHz
SNR	≥70db
RJ45	RS485 communication protocol
Input Power	Host power supply
Package Dimensions (H×W×D mm)	425×285×115mm
Machine Dimensions (H×W×D mm)	172×160×53mm
Gross Weight	1.6KG
Net Weight	0.89KG

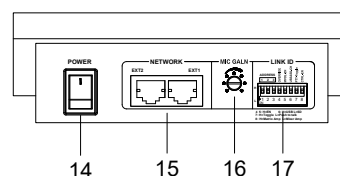
## Front / Rear Panel



Stereo-gram



Front Panel



Rear Panel

1. Microphone Head
2. Microphone Switch Indicator Ring
  - Touch the Voice Broadcast button to enable the it, and the red light indicates that you can speak. The light ring indicator does not light when voice broadcast function is off.
3. Microphone rob (The angle can be adjusted freely)
4. Five pin XLR
  - Dismantle 5-pin screw microphone connector.
5. Four-segment level indicator
  - The maximum volume indicator is orange and the other volume indicators are blue;
6. Power Supply Indicator
7. AUX/MP3 Indicator
  - The MP3 source indicator is blue when the host is playing MP3, and AUX is blue when the host is playing

an AUX source ;

- The key indicator varies according to the host source.

#### 8. AUX/MP3 Volume Knob

- When the AUX or MP3 source indicator is blue, clockwise to the volume up and counterclockwise to volume down

#### 9. 6 Zone Buttons 1-6 (blue backlight marks selected)

In six-zone amplifier mode, it functions as a zone switch; in matrix amplifier mode, it can only be used to select the zone being paged during a paging operation and cannot function as a zone switch.

#### 10. Audio Source Switching Button

In six-zone amplifier mode:

- Touch the button to turn it on with a blue backlight; touch the button to turn it off with a white backlight.

- Short press the touch button to switch the host to AUX or MP3 (the corresponding blue backlight varies from the status of the button).

In matrix amplifier mode:

- Press and hold the button to enter AUX1 override mode. The host screen will display the paging station override (Paging Station Control) indication interface with an Exit button, locking main unit operations and the Bluetooth control panel. The main unit can exit this interface by tapping the Exit button, as shown below.



#### Host Paging Station Override Indication Interface

- Short press the button to toggle between MP3 and AUX1 sources. Press and hold again to exit this mode, restoring all states that were active before entering override mode.

- When the first paging station enters override mode, if the MP3/AUX button on other stations flashes for 0.5 seconds and lights up blue, it indicates that those paging stations also support override function. Press and hold the button on other paging stations or tap the Exit button on the host paging station override indication interface to exit the mode.

#### 11. All-Zone Broadcast Button

In six-zone amplifier mode:

- Touch the button to turn it on with a blue backlight and enable one-key all-zone broadcasting; touch the button to turn it off with a white backlight.

- Press and hold the all-zone broadcast button for 1 second to lock all the buttons, and the all-zone broadcast button indicator will flash once for 1 second. Press and hold the button again for 2 seconds to restore normal operation.

In matrix amplifier mode:

- Touch the button to turn it on with a blue backlight and enable one-key all-zone broadcasting; touch the button to turn it off with a white backlight. The above operation is only effective during a paging state.

- Press and hold the All-Zone Broadcast button for 1 second to lock all buttons, and the All-Zone Broadcast button will flash once for 1 second. Press and hold the button again for 2 seconds to restore normal operation.

#### 12. Voice Broadcast Button

- Touch the button to enable voice talk as backlight is orange, and turn it off when backlight is white.

#### 13. Chime Button

- Touch the button to enable it as backlight is blue, and it will stop when it's over.

- Touch the button to play ascending chime.

- Press and hold for 2–3 seconds to enter the automatic chime playback setting for paging. Press zone button “1” for standard mode, where the chime does not play automatically during paging. Press zone button “2” for automatic mode, where the chime plays once automatically during paging.

#### 14. Power Switch

- Press down button “one” to turn on the power, and press again button “one” to turn off the power.

#### 15. Dual RJ45 remote communication and audio transmission interface

- Support cascading. The single port of the mixer amplifier can support up to 6 paging stations, with the maximum transmission distance of 300m.

- If only 1 paging station is connected to the mixer amplifier, the transmission distance can be up to 600m.

- Note: To ensure the above effective transmission distance, it is required to use CAT 5e network cable or above, with a single line resistance  $\leq 12\Omega$  per 100m.

#### 16. Microphone Gain Knob

- Clockwise to the volume up and counterclockwise to volume down

#### 17. 8 DIP Switches

- 1, 2, 3 is for address bit settings.

- 4 is for the strong cut enable setting switch, and turn the switch to “H” to turn it on, turn the switch to “L” to turn it off.

- 5 is used to enable the MP3 or AUX master volume adjustment potentiometer, turn the switch to “H” to turn it on, turn the switch to “L” to turn it off.

- 6: In 6-zone amplifier mode, it is used to specify the MP3 source as USB or SD card. When set to “L”, it indicates SD card; when set to “H”, it indicates USB. In matrix amplifier mode, it is not available.

- 7 is used to toggle the paging microphone PTT mode. When set to “H”, it functions in standard mode: press the “Talk” button once to start paging and press again to end. When set to “L”, it functions in PTT mode: hold the “Talk” button to keep paging active and release it to end immediately.

- 8 is used to enable compatibility with different unit types. When set to “H”, it is for matrix amplifier mode. When set to “L”, it is for six-zone amplifier mode.