

## DMA20

## Remote Paging Station



## Description

This product is a remote paging station used in conjunction with the DMA series six-zone amplifier. Adopting touch-key technology, glass panel craft, anti-fingerprint coating and high-gloss bevel cutting techniques, it is smooth in touching, exquisite and beautiful in appearance and fashion in style. With simple operation, intuitive signal display, it corresponds to the amplifier 6-zone toggle switch, which makes switching calls easy and fast. This paging station is highly stable and has a low failure rate, making it an ideal choice for a high-quality paging station.

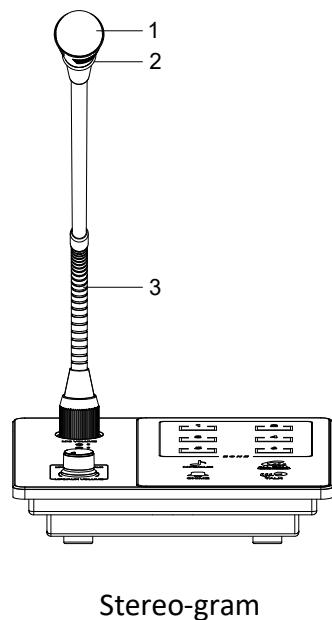
## Features

- Zone-independent switches for quick control of six-zone switches of the amplifier.
- Featured by signal level indication, it has more intuitive paging sound pressure.
- With key lock function.
- 2 chime tones, chime up and chime down.
- With dual RJ45 ports. With zone control and override function. When cascading paging stations with a single port, this single port of the mixer amplifier can support up to 6 paging stations, with the maximum transmission distance of 300m. If only one paging station is connected to the mixer amplifier, the transmission distance can be up to 600m. The paging station does not require an independent power adapter, and is powered by the DMA series 6-zone amplifier for audio transmission. **Note: Each host can support up to 6 remote paging microphones.**
- One-channel hidden microphone volume knob.
- One key to page all zones.
- With anti-fingerprint coating for the touch panel.
- With priority function, with the ID6 as the highest-priority paging microphone.

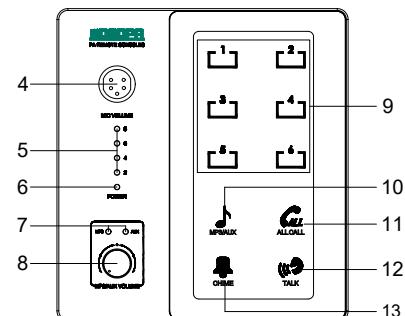
## Specifications

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

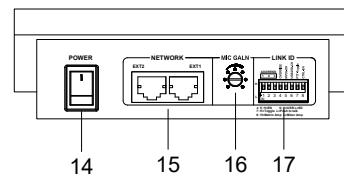
## Product Information



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.