

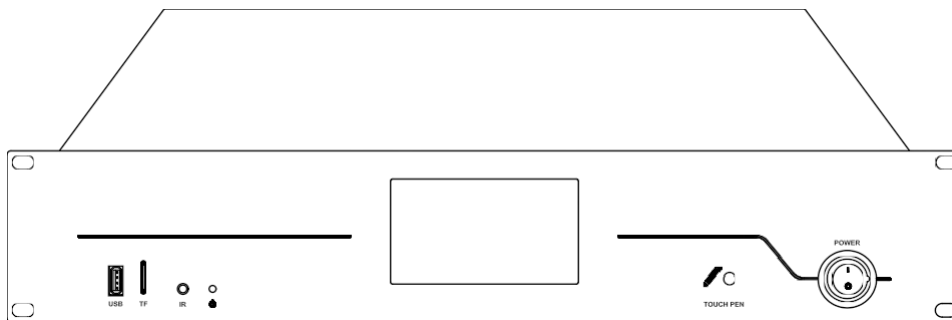
Multi-function Matrix PA System

CNS5612MX

CNS5624MX

CNS8210PM

CNS4620BT



User Manual

Thank you for using our products. For a better user experience, please read the user manual carefully prior to use.

Canscorp Engineers Pvt. Ltd.

<http://www.canscorp.com>

This page is left blank for users to take notes.

About the User Manual

The user manual is available and effective upon completion of the development of the device. The user manual includes product description, safety precautions, system connection instructions, operating instructions, and technical specifications of the device. Please read this manual carefully before connection, installation and use, and follow the corresponding instructions in the manual.



The instructions marked with this symbol on the rear panel of the machine are all matters that must be noted, and be sure to follow these instructions when using or operating the machine.

Please keep the user manual properly for unexpected needs.

V1.5

Facture 2025-05-30

Warning

To prevent potential personal injury, equipment damage, and property loss to the user and others, be sure to follow the basic precautions outlined below.



This symbol indicates what is “prohibited”.



This symbol indicates what is “required”.

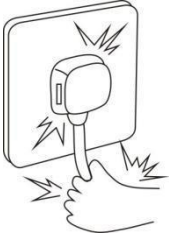

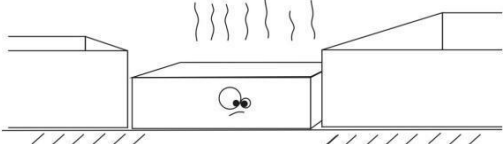

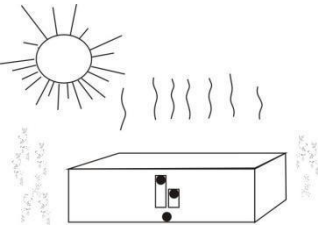

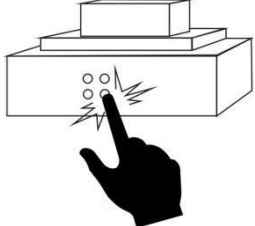

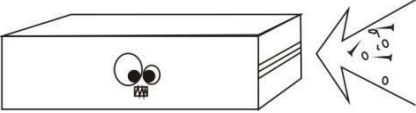

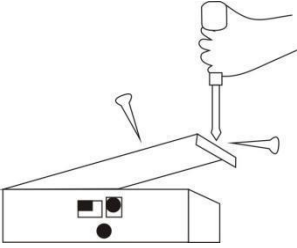

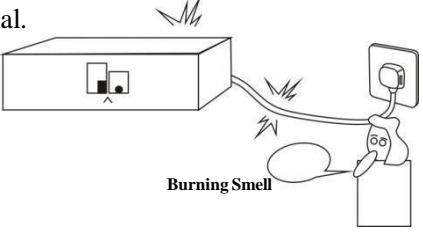

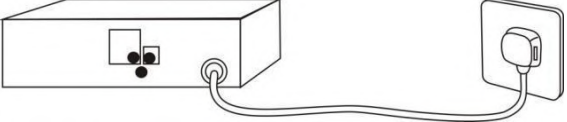

<p>■ Check whether the power cord is damaged. Do not pull the power cord but hold the plug directly to remove the plug, otherwise it may cause electric shock, short circuit or fire.</p>  	<p>■ Do not block the vents during operation. All vents should remain unobstructed to prevent overheating.</p>  
<p>■ Do not place the equipment in an environment that is dusty, frequently vibrating, extremely cold or hot.</p>  	<p>■ Do not place something heavy on the equipment. Do not use excessive force when operating switches or buttons or connecting external audio equipment.</p>  
<p>■ Do not allow any external objects (such as paper and metal) to enter any gaps or openings of the equipment. If this happens, disconnect the equipment from the power grid immediately.</p>  	<p>■ Do not attempt to disassemble or modify the internal parts of the equipment in any way.</p>  
<p>■ If the equipment suddenly breaks down or emits an abnormal odor or smoke during use, unplug it immediately in case of electric shock, fire or other accidents, and have it serviced by a professional.</p>  	<p>■ If the equipment is not in use for a long time, unplug the AC power cord or turn off the wall outlet for zero power consumption.</p>  

Table of Contents

1. Product Description.....	1
1.1 About the System.....	1
1.2 Features.....	1
2. CNS5612MX CNS5624MX Host.....	3
2.1 Product Appearance	3
2.2 Appearance Description	4
2.2.1 Front Panel.....	4
2.1.2 Rear Panel.....	4
2.3 System Architecture Diagram	7
2.4 Program Guide.....	7
2.4.1 PLAYER.....	8
2.4.2 ZONE.....	10
2.4.3 VOLUME	10
2.4.4 SETTINGS.....	11
2.4.5 CHIME	12
2.5 Remote Control.....	14
2.6 Specifications	15
3. CNS4620BT Remote Paging Microphone	16
3.1 Product Features.....	16
3.2 Product Information	17
3.2.1 Address Settings.....	20
3.2.2 Paging Operations	21
3.2.3 Typical Applications.....	22
3.3 Specifications	22
4. CNS8210PM Bluetooth Control Panel.....	23
4.1 Front Panel.....	23
4.2 Rear Panel.....	25
4.3 Installation Notes	26
4.4 Specifications	26
CNS5612MX CNS5624MX Packing List.....	28
CNS4620BT Packing List.....	28
CNS8210PM Packing List	28

1. Product Description

1.1 About the System

The CNS5612MX CNS5624MX CNS8210PM CNS4620BT multi-function matrix public address system is a newly designed and highly integrated audio matrix host system. This new system not only features an 8×6 signal matrix but also includes multimedia playback capabilities. It incorporates a six-channel output design that supports 100V constant voltage output. Additionally, it supports the CNS4620BT remote paging microphone with a glass panel touch button design and the CNS8210PM Bluetooth touch panel, both as expansion peripherals. The multi-function matrix PA hosts CNS5612MX and CNS5624MX are specified at 6×120W and 6×240W, respectively, both designed with a 2U chassis. The high degree of integration in these devices helps save space and reduce wiring complexity. They come with a comprehensive set of logical interfaces and a well-defined priority system, making them suitable for most small to medium-sized broadcast system applications. Additionally, they can be integrated with other systems for enhanced functionality.

1.2 Features

- With a 4.3" resistive touch screen and a push-button power switch.
- Support 100V constant voltage function, configurable through the system.
- Chime function operable via the touch screen, with chimes and SIREN alarm sources changeable through USB.
- SIREN alarm function, which can be triggered by dry contacts (2P or 7P) of 3.81mm Phoenix connectors on the rear panel.
- With treble and bass adjustment for AUX1, AUX2, MIC1/LINE1, and MIC2/LINE2 (rear

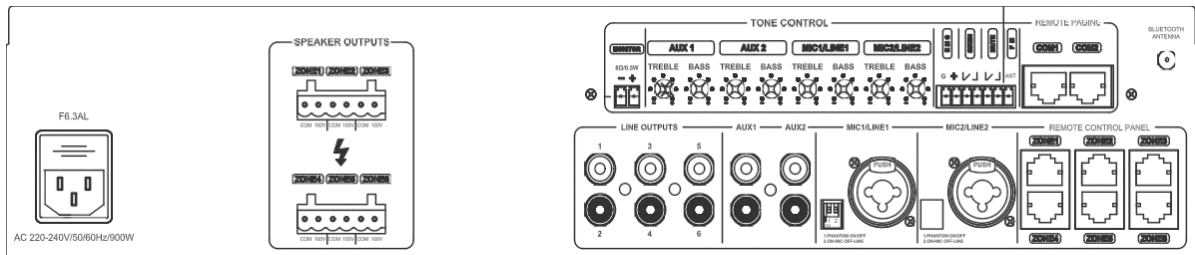
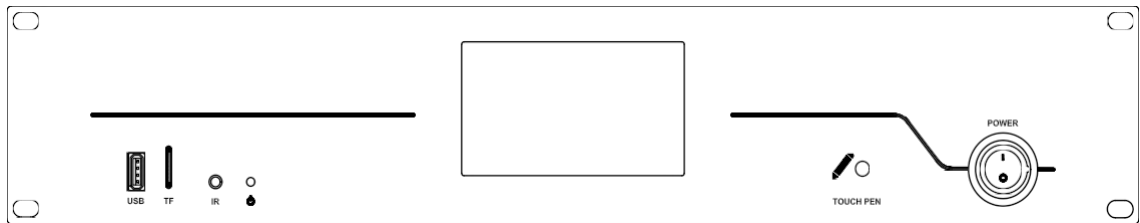
panel).

- With 2 XLR input connectors for MIC1/LINE1 and MIC2/LINE2, selectable among MIC with 48V phantom power, standard MIC, and LINE via separate dip switches.
- With 2 RCA line input connectors for AUX1 and AUX2 (rear panel).
- With zone monitoring function, with monitoring volume varying with zone volume.
- Priority level: MUTE > EMC IN > SIREN > CHIME > remote paging microphone > remote paging microphone AUX/MP3 override > Bluetooth touch panel > AUX1 = AUX2 = MIC1/LINE1 = MIC2/LINE2 = MP3 = BT = FM.
- With 6 LINE OUT (RCA) output connectors (corresponding to channels).
- With 6 Bluetooth panel interfaces with fixed zone addresses, powered by DC 48V, with a maximum transmission distance of 300-600 meters for each channel. You can only be allowed to control the audio source and volume of the corresponding zone via the Bluetooth panel.
- With 2 RJ-45 remote paging microphone interfaces, allowing for specific-zone or all-zone paging. Up to 6 remote paging microphones can be cascaded, powered by DC 48V, with a maximum transmission distance of 300-600 meters for each channel. You can control the playback of AUX1 or MP3 player audio sources across all zones and adjust the volume of the source with the paging microphone.
- With 1×3.81mm Phoenix connector (1P of 7P) for FM antenna.
- With 1×3.81mm Phoenix connector (2P of 7P) for EMC IN.
- With 1×3.81mm Phoenix connector (2P of 7P) for MUTE.
- With 1×3.81mm Phoenix connector for MONITOR SPEAKER OUTPUT, to monitor signal output, linked with zone volume.

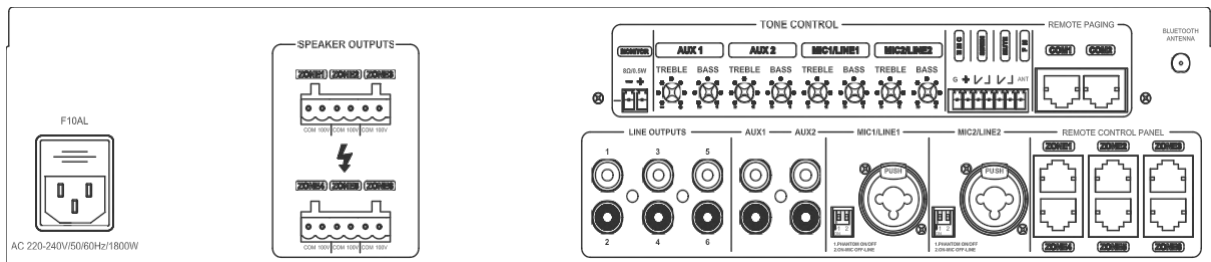
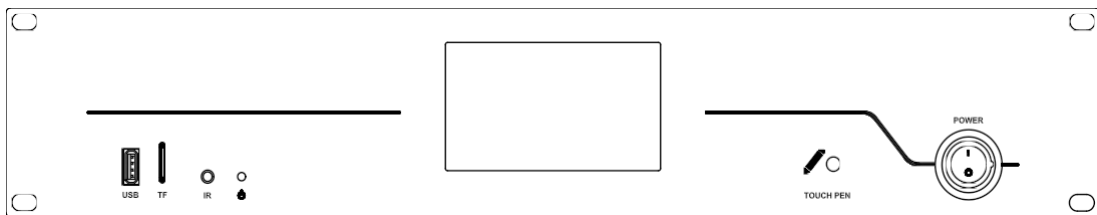
- With 6×2-pin 5.08mm terminal block power output interfaces.
- With one independent Bluetooth antenna.
- Designed for AC220-240V power supply.

2. CNS5612MX CNS5624MX Host

2.1 Product Appearance



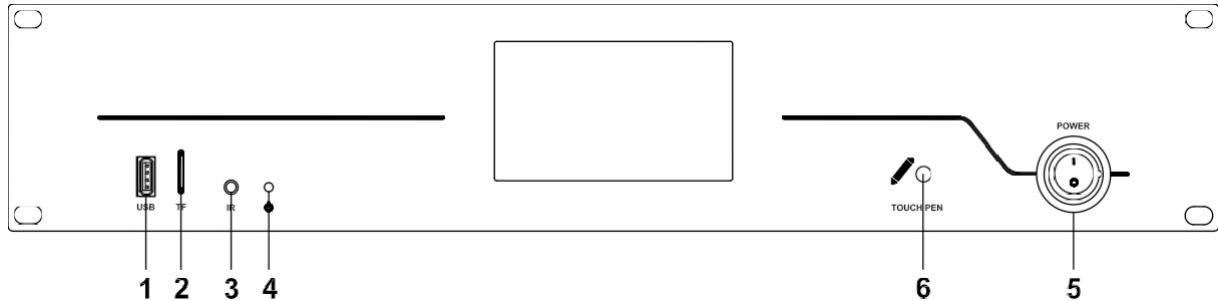
CNS5612MX



CNS5624MX

2.2 Appearance Description

2.2.1 Front Panel



CNS5612MX CNS5624MX Front Panel

1. USB Interface

Insert a USB flash drive here to provide programs to the built-in MP3.

2. TF Card

3. Infrared Receiving Window

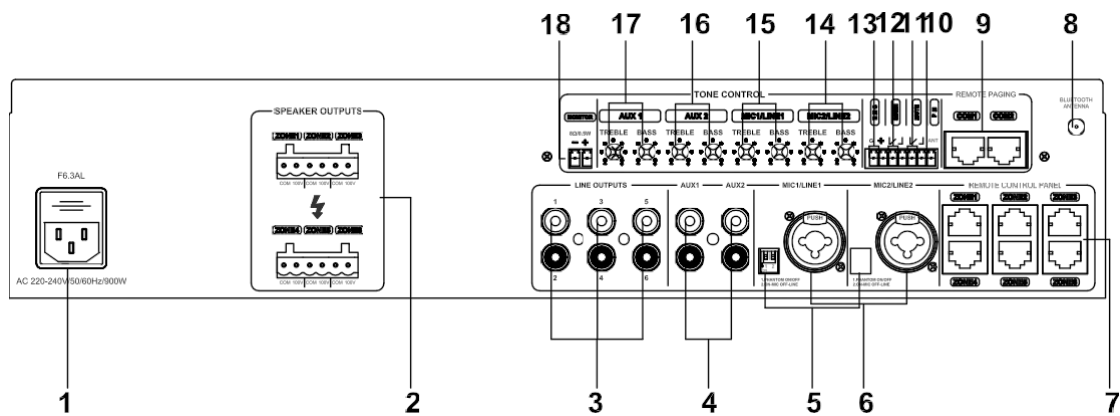
4. Power Indicator

The indicator light is yellow when the power is on.

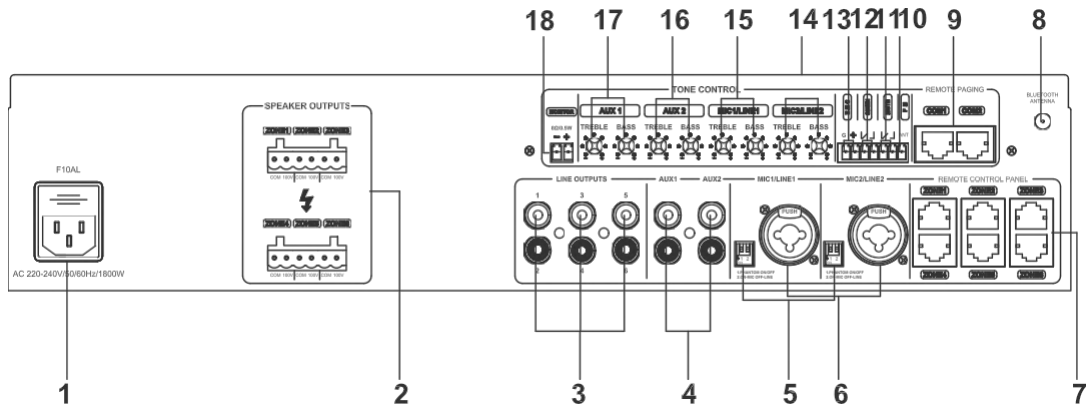
5. Power Switch

6. Stylus

2.1.2 Rear Panel



CNS5612MX Rear Panel



CNS5624MX Rear Panel

1. Power Input Socket (AC220V-240V)

Connect the power plug to this interface. When connecting, please insert the plug into the machine first, then connect to the power grid.

2. 6 Speaker Output Connectors

- ◆ Connected to constant-voltage speakers.
- ◆ Output voltage: 0~100V.

3. LINE1/LINE2/LINE3/LINE4/LINE5/LINE6 Auxiliary Output Connector

4. AUX1/AUX2 Auxiliary Input Connector

5. 2 DIP Switches

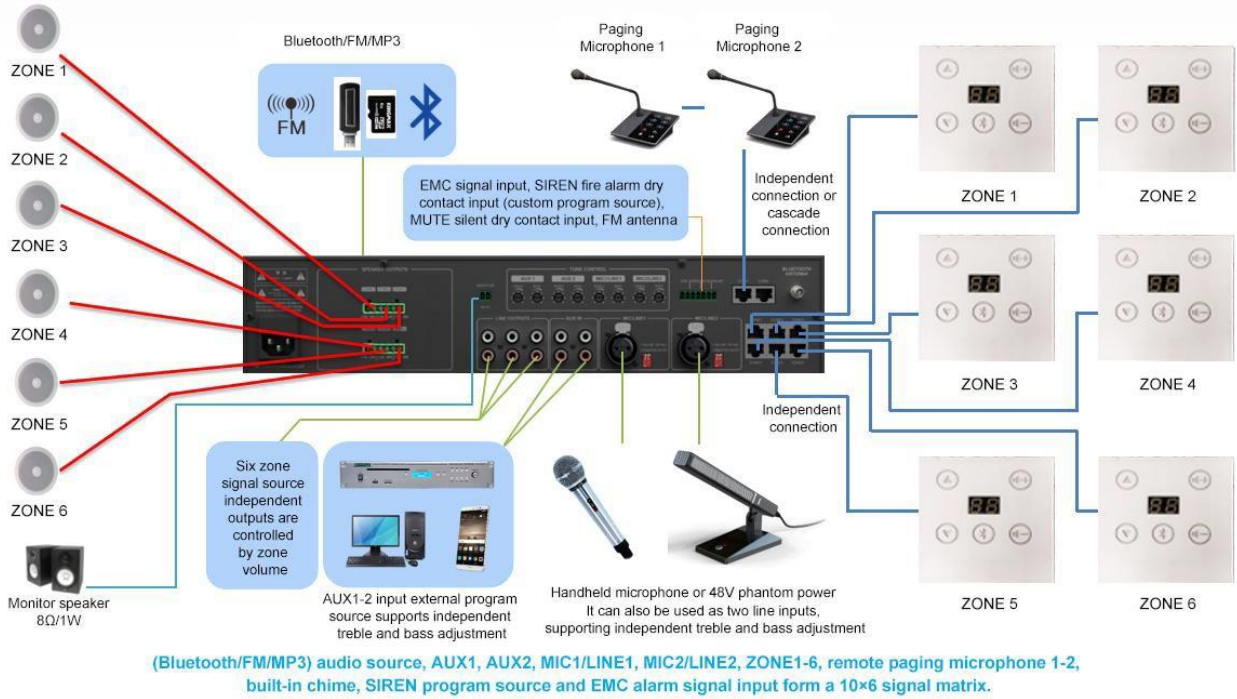
6. MIC1/LINE1 / MIC2/LINE2 Balanced Input Connector

7. 6 Audio Bus Interfaces: ZONE1 is connected to CP1, ZONE2 is connected to CP2, ZONE3 is connected to CP3, ZONE4 is connected to CP4, ZONE5 is connected to CP5, and ZONE6 is connected to CP6. Strict adherence to this wiring is required; otherwise, the audio source of the Bluetooth touch panel can be controlled but cannot be output.

- 8. Bluetooth Antenna**
- 9. Remote Paging Microphone Interface**, connected to up to 6 paging microphones.
- 10. FM Antenna Connector**
- 11. MUTE Short Circuit Trigger**
- 12. SIREN Short Circuit Trigger**
- 13. EMC Emergency Trigger Input**
- 14. MIC2/LINE2 Treble/Bass Potentiometer**
- 15. MIC1/LINE1 Treble/Bass Potentiometer**
- 16. AUX2 Treble/Bass Potentiometer**
- 17. AUX1 Treble/Bass Potentiometer**
- 18. Monitor Output, 8Ω/0.6W**

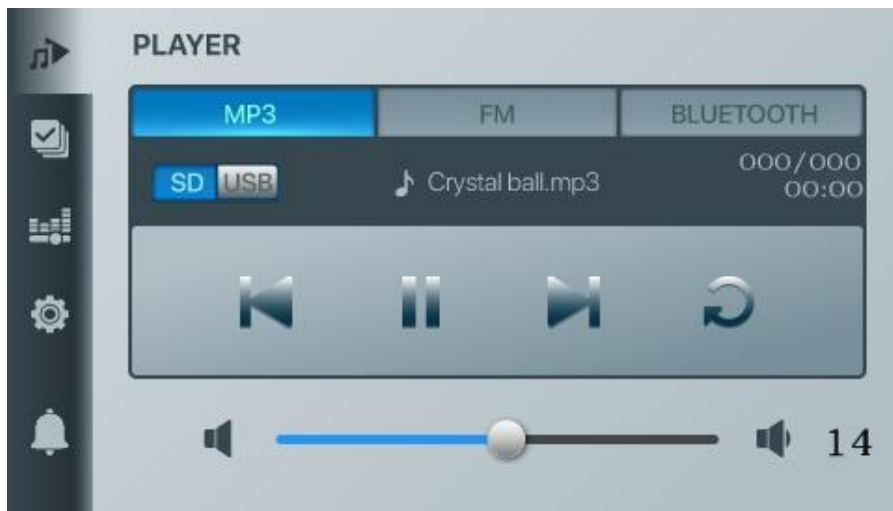
Note: When installing the device into the rack and routing the cables, do not bundle the signal input and power output together for the expansion unit. If they are bundled, it may cause the amplifier to self-oscillate, potentially leading to amplifier damage.

2.3 System Architecture Diagram










2.4 Program Guide

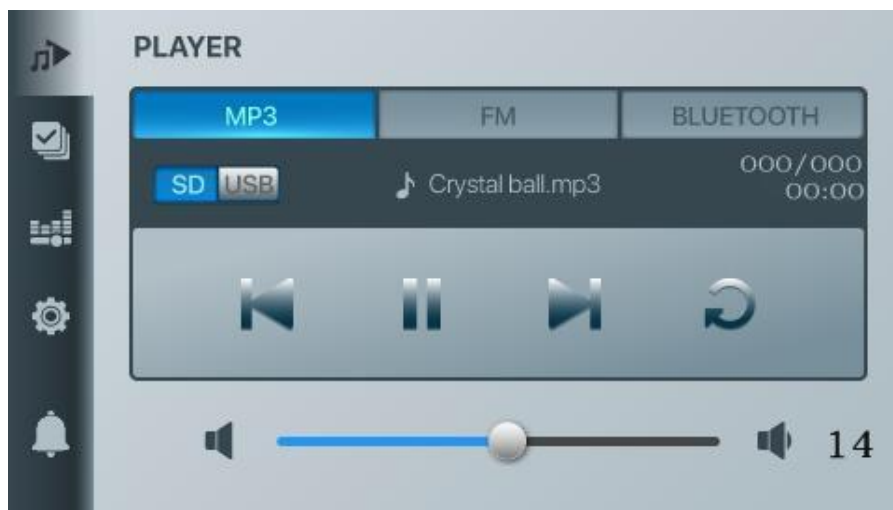
After turning on the power switch, the device starts up and enters the main interface. The main interface consists of five sections: PLAYER, ZONE, VOLUME, SETTINGS, and CHIME. Various operations can be performed on the interface.





2.4.1 PLAYER

Click on the “PLAYER” button to the player interface, which consists of three sections: MP3, FM, and BLUETOOTH. In this interface, you can perform operations such as playing, stopping, skipping to the previous or next track, and selecting play modes for MP3. For FM, you can perform functions like automatic frequency search, tuning, and switching to the previous/next channel. Additionally, you can connect to the Bluetooth of your mobile phone to play, stop, skip to the previous or next track, and select play modes.

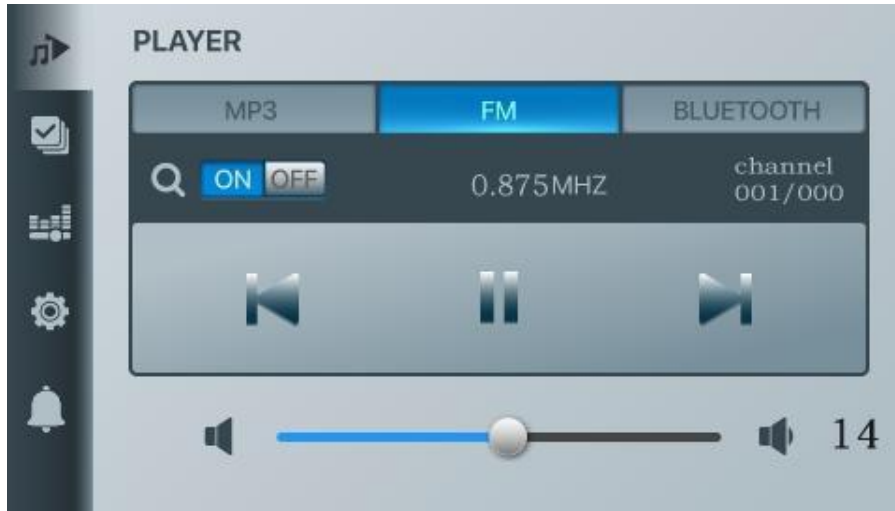
- ◆ When you click on the “MP3” interface and insert an SD card/USB, the machine automatically detects and reads the content from the SD card/USB. Click the “” button below to automatically play/pause songs. Click the “” button to play the previous or next track. The MP3 player supports 4 play modes:  single play,  single loop,  order play, and  random play, which is user-defined. Slide the “” below to adjust the song volume.






- ◆ When you click on the “FM” interface, press the “ON” button to enable FM channel reception. Click the “” button to play or pause the FM channel content. Press the “”

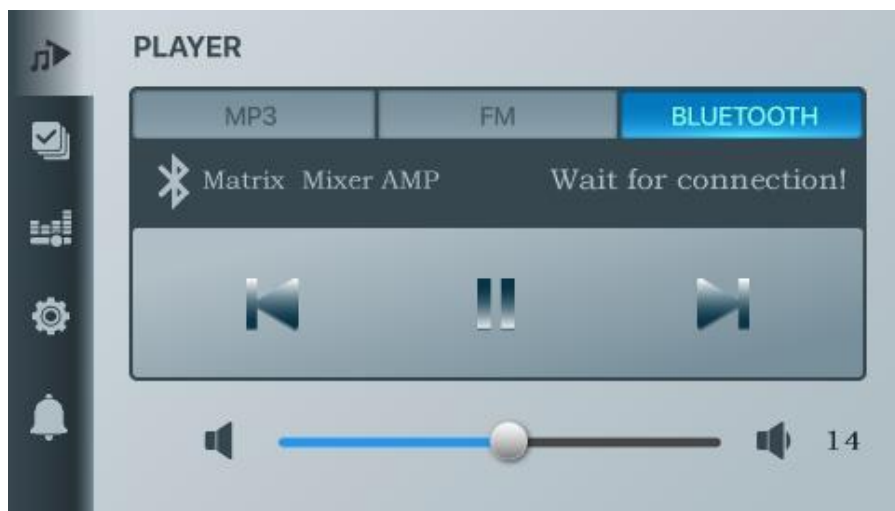
button to play the previous or next FM channel. Slide the

“” to adjust the FM channel volume.



- ◆ When you click on the “BLUETOOTH” interface, enable the Bluetooth of your mobile phone and search for the device named “Matrix Mixer AMP”. At this time, your phone will prompt you to enter a password, and then enter the default password (1234) to pair. Once paired, your phone will display “Connected to device”, allowing you to play music from your phone. Click

the “ / ” button to play the previous or next track, and slide the “” below to adjust the song volume.



2.4.2 ZONE

Click the “FM” button to perform various operations on this interface.

The screenshot shows a control panel with the following layout:

- 6 zone channels:** A grid of 6 columns labeled ZONE1 through ZONE6.
- Zone on/off button:** A row of 6 red buttons labeled "OFF" under each zone header.
- Zone volume:** A row of 6 buttons labeled "VOL" under each zone header.
- Audio sources:** A grid of 6 columns and 6 rows of buttons labeled CP 1-6, PLAYER, AUX1-2, and MIC/LINE1-2.
- Monitors:** A row of 6 buttons labeled "Monitor" at the bottom of the grid.
- Summary buttons:** A vertical column on the right with buttons for "ZONE ALL ON", "PLAYER ALL ON", "AUX 1 ALL ON", "AUX 2 ALL ON", "MIC/LINE 1 ALL ON", and "MIC/LINE 2 ALL ON".

Callout 1 (6 zone channels): Points to the ZONE1-ZONE6 headers.

Callout 2 (Zone on/off button): Points to the "OFF" buttons.

Callout 3 (Zone volume): Points to the "VOL" buttons.

Callout 4 (Audio sources): Points to the CP 1-6 buttons. Text: "Different audio sources can be accessed individually. Note: CP1-CP6 will be displayed in blue when online, but if they are in gray, they cannot be clicked or used."

Callout 5 (Monitors): Points to the "Monitor" buttons. Text: "There are 6 channels and 6 monitors. When one of the monitors is activated, the button will turn orange."

Callout 6 (Summary buttons): Points to the "ZONE ALL ON" button. Text: "These six buttons are respectively Zone all on, Player all on (including MP3, FM, Bluetooth), AUX1 all on, AUX2 all on, MIC/LINE1 all on, MIC/LINE2 all on. When you click on any one of the audio sources, the corresponding sound source will be all on, and the button will turn green."

2.4.3 VOLUME

Click the “VOLUME” button to enter the interface where you can adjust the volume for ZONE and AUDIO SOURCE.

- ◆ Click the “ZONE” button to enter the volume setting interface for “ZONE”, where you can adjust the volume for ZONE1-ZONE6 by sliding the volume bar up or down. The volume can be adjusted freely within the range of 0 to 32.
- ◆ Click the “AUDIO SOURCE” button to enter the volume setting interface for “AUDIO

SOURCE”, where you can adjust the volume for PLAYER, AUX1, AUX2, MIC/LINE1, and MIC/LINE2 by sliding the volume bar up or down. The volume can be adjusted freely within the range of 0 to 32.





VOLUME Setting Interface




AUDIO SOURCE Setting Interface

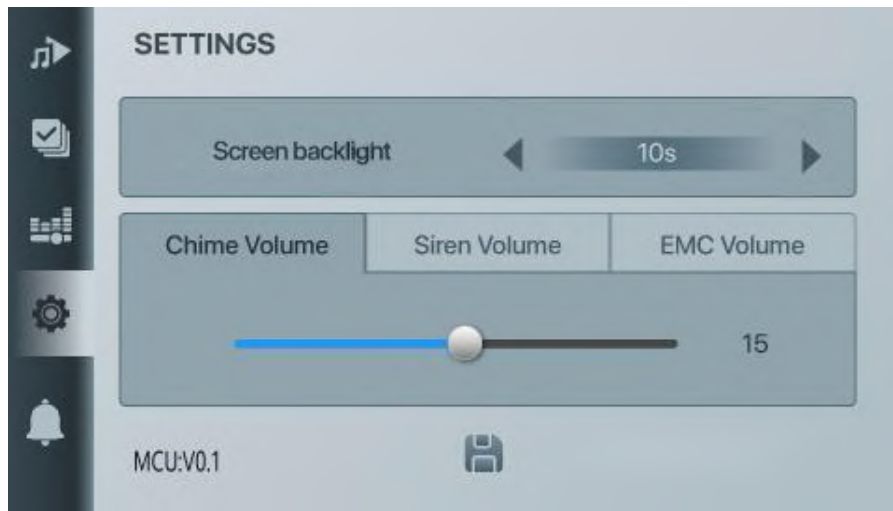
2.4.4 SETTINGS

Click the “SETTINGS” button to enter the interface where you can adjust settings such as Backlight Time, Chime Volume, Siren Volume, and EMC Volume.

- ◆ Backlight Time: Click the “ / ” button to set the backlight time to “ON”, “1min”, “5mins”, “10mins”, etc.
- ◆ Chime Volume, Siren Volume, EMC Volume: Adjust the volume by sliding the volume bar left or right. The volume can be adjusted freely within the range of 0 to 32.

After setting the Backlight Time, Chime Volume, Siren Volume, and EMC Volume, click the

“” button at the bottom to save and apply the changes.



SETTINGS Interface

Note: The Chime and Siren can be customized by inserting an SD card with new music. To do this, create a new folder on the SD card named "MSG," then rename the custom chime file as "MSG1-xxxx" and the custom siren file as "MSG3-xxxx." Place "MSG1-xxxx"/"MSG3-xxxx" into the "MSG" folder. The 'X' in the filename can be modified.

Note: When multiple custom tracks are present in the folder, only the first recognized track will be played. Do not remove the SD card while using custom chime/alarm sounds.

2.4.5 CHIME

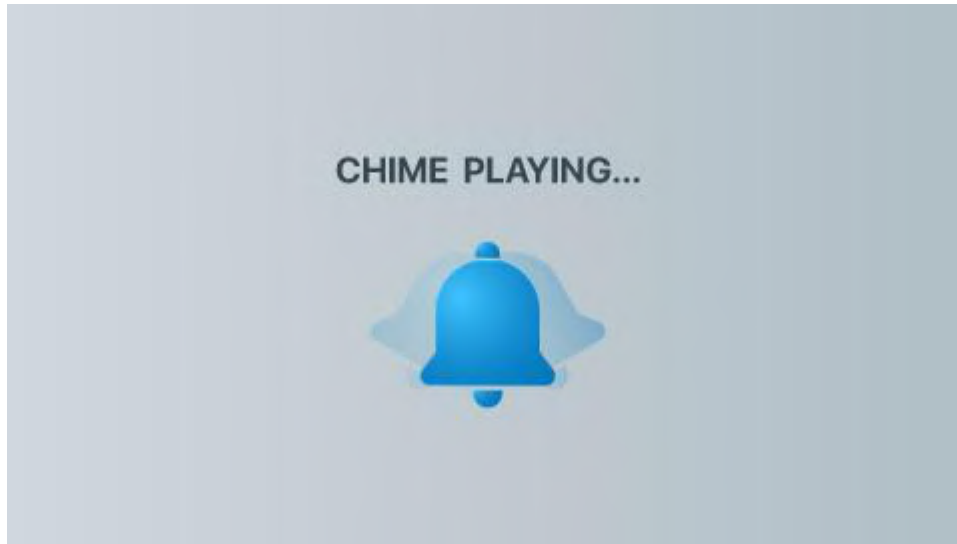
Click the “CHIME” button to enter the chime operation interface where you can see options for ZONE1, ZONE2, ZONE3, ZONE4, ZONE5, and ZONE6, along with functional operation buttons

like **PLAY** **SELECT** and **PLAY** **ALL**.



CHIME Interface

- ◆ **PLAY SELECT**: Zone playback button. Click the “**PLAY SELECT**” button, and then select any zone. For example, if you click ZONE1, it will display in green, and a full-screen chime playback interface will appear, displaying the message “Chime Playing...” in English to notify the user that the chime is currently playing. The popup window will automatically close after playback is finished.
- ◆ **PLAY ALL**: All-zone chime playback button. Click the “**PLAY ALL**” button directly to bring up a full-screen chime playback interface, displaying the message “Chime Playing...” in English to notify the user that the chime is currently playing. The popup window will automatically close after playback is finished.



CHIME Playback Interface

2.5 Remote Control

As shown below, the details of the remote control buttons are explained below.

1 NC

2 Mode: Switch between AUX, FM, BT (Bluetooth), and MP3 audio sources.

3 Mute: Mute MP3, FM, and BT. Press this button to silence the current program, and the LED display will flash.

4 MP3/BT Play/Pause Button & FM Channel Recall Button: Press repeatedly to recall stored FM channels in sequence.

5 MP3/BT Next Track & FM Forward Search Button: Move to the next MP3/BT track or search forward in FM mode.

6 MP3/BT Previous Track & FM Backward Search Button: Move to the previous MP3/BT track or search backward in FM mode.

7 NC: Reserved for future functionality.

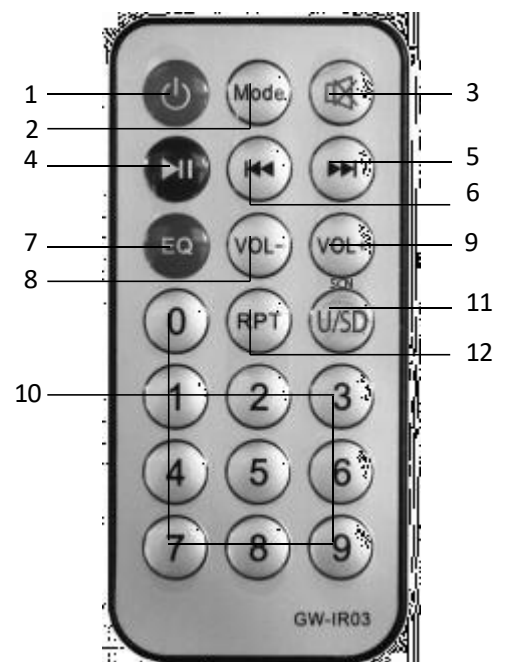
8 Volume Down: Decrease volume in MP3, FM, or BT mode.

9 Volume Up: Increase volume in MP3, FM, or BT mode.

10 Numeric Keys: Select an MP3 track number or press a number to store a searched FM channel.

11 U/SD: In MP3 mode: Switch between USB and SD card playback. In FM mode: Automatically search for radio stations.

12 RPT: In MP3 mode: Toggle between single repeat and all loop modes.



2.6 Specifications

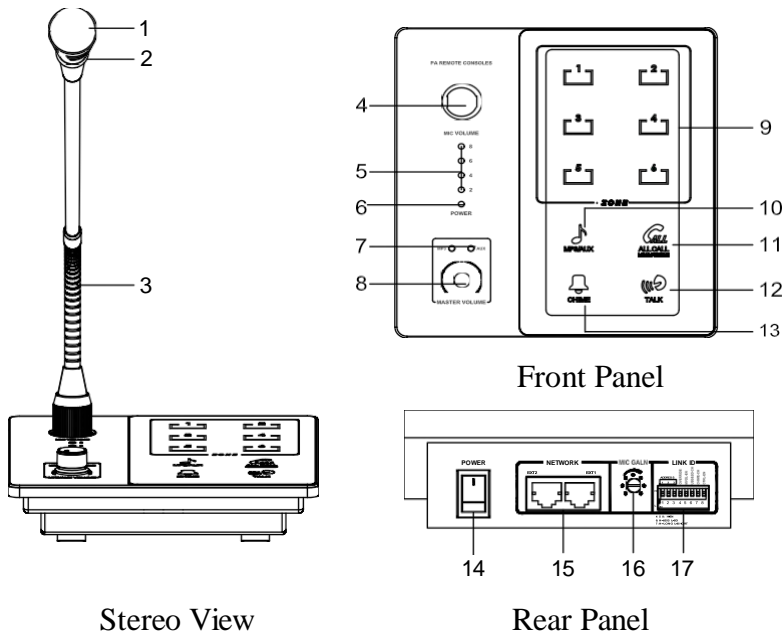
Model	CNS5612MX	CNS5624MX
AUX Input Sensitivity	AUX1=AUX2=775±100mV	
MIC Input Sensitivity	MIC1=MIC2=5±1mV	
LINE Input Sensitivity	LINE1=LINE2=350±50mV	
Output Power	120W*6	240W*6
Distortion at Rated Power (Within Frequency Response Range)	95V<1%	100V<5%
Microphone S/N Ratio A-Weighted	≥71dB	
Line S/N Ratio A-Weighted	≥76dB	
Line Input Frequency Response	80Hz-15kHz (under normal operating conditions ±3dB)	
Overload Source Electromotive Force	≧ 14dB (constant voltage)	
Operating Voltage	AC220-240V	
Tone Adjustment Range	Bass: ±10dB (100Hz), Treble: ±10dB (10kHz), both with an error of ±2dB	
LINE OUT Output Level	1000±100mV	
MIC1-2 Phantom Power	48V±5V	
Operating Temperature	-10-50°C	
Package Dimensions	560×550×155mm	
Machine Dimensions	483×353×88mm	
Gross Weight	8.5kg	9.0kg
Net Weight	6.7kg	7.0kg

3. CNS4620BT Remote Paging Microphone

3.1 Product Features

- With independent zone switches for quick control of the 6 zones of the amplifier.
- With signal level indication function for more intuitive paging volume.
- With key lock function.
- One chime tone with a descending tone.
- With dual RJ45 interfaces for zone control and override functions. When cascading paging stations with a single port, the mixer amplifier can support up to 6 paging stations on a single port, with a 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 microphone does not require a separate power adapter and it is powered by and receives audio transmission from the DMA series 6-zone amplifier. **Note: Each host supports a maximum of 6 remote paging microphones.**
- With 1-channel microphone volume adjustment.
- With one-touch all-zone paging function.
- With anti-fingerprint coating for the touch panel.

3.2 Product Information



1. Microphone Head
2. Microphone Light Ring
 - Lightly touch the voice broadcast button to activate the voice broadcast function. The light ring indicator will turn red, indicating that you can speak. Once the voice broadcast is turned off, the light ring indicator will go off.
3. Microphone Stem (with freely adjustable angle)
4. 5-Pin XLR Connector
 - Removable 5-pin microphone connector.
5. 4-Segment Level Indicator
 - The maximum volume indicator light is orange, while the other volume indicator lights are blue.
6. Power Indicator
7. AUX/MP3 Source Indicator

- When the host is playing MP3 sources, the MP3 source indicator light will be blue. When the host is playing AUX sources, the AUX source indicator light will be blue.

- This button indicator light changes according to the current audio source of the host.

8. AUX/MP3 Volume Knob

- When the DIP 5 switch is on and the AUX or MP3 source indicator light is blue, you can adjust the AUDIO SOURCE volume of the current AUX or MP3 audio source by turning clockwise to increase the volume and counterclockwise to decrease it.

9. 6-Zone Touch Buttons 1-6 (The button backlight is blue when selected)

10. Audio Source Switching Button

- Press and hold this button to enter AUX1 override mode, and the host's screen will display the override indication interface with a message of "Paging Station Control" and an "Exit" button, locking the host's operations and the Bluetooth control panel. However, the host can exit this interface by clicking the "Exit" button, as shown below.



Host Override Indication Interface

- Short press this button to toggle between the MP3 source and the AUX1 source, while long

press to exit this mode (after exiting, all states prior to entering override mode need to be restored).

- When the first paging device enters override mode, if the MP3/AUX1 indicator on this button blinks for 0.5 seconds and shows a blue light, it indicates that other paging devices also have override function. In this case, other paging devices can press and hold the button or exit this mode from the host override interface.

11. All-Zone Broadcast Button

- Touch the button to enable all-zone broadcasting, indicated by a blue backlight; touch the button again to disable all-zone broadcasting, indicated by a white backlight.
- Press and hold this button to lock the Bluetooth control panel, which can only be operated through the paging device.
- Press and hold the all-zone broadcast button for 1 second to lock all buttons, causing the all-zone broadcast button to blink once. Press and hold the button again for 2 seconds to return to normal.

12. Voice Broadcast Button

- Touch the button to enable voice intercom, indicated by an orange backlight; touch the button again to disable voice intercom, indicated by a white backlight.

13. Chime Button

- Touch the button to play a chime, indicated by a blue backlight. The chime will automatically stop after it finishes playing.
- Touch the button to play a chime.

14. Power Switch

- Press the "I" position to turn on the power, and press the other side to turn off the power.

15. Dual RJ45 Remote Communication and Audio Transmission Interfaces

- It can be cascaded, with a single port supporting up to 6 remote paging microphones, providing a maximum transmission distance of 300 meters.
- If a single port is connected to one remote paging microphone, the maximum transmission distance can reach up to 600 meters.
- Note: To ensure the effective transmission distance, use CAT5e cables or higher, with a single cable resistance of $\leq 12\Omega$ per 100 meters.

16. Microphone Gain Control

- Turn clockwise to increase the volume and counterclockwise to decrease it.

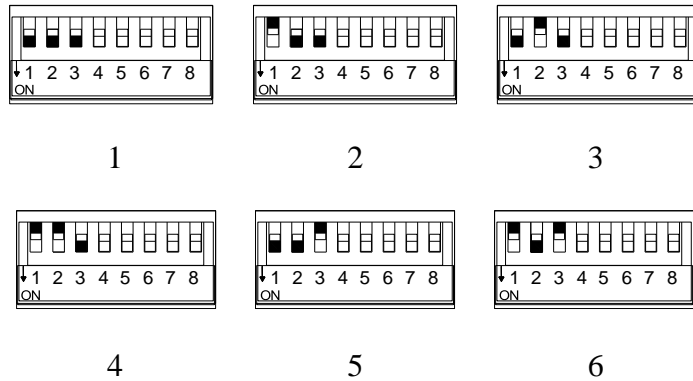
17. 8 DIP Switches

- DIP 1, 2, 3 - for address settings.
- DIP 4 - for the override switch. When the switch is set to “H”, it is on; when set to “L”, it is off.
- When the DIP 5 switch is on and the AUX or MP3 source indicator light is blue, you can adjust the AUDIO SOURCE volume of the current AUX or MP3 audio source by turning clockwise to increase the volume and counterclockwise to decrease it.
- DIP 6 - Not enabled yet.
- DIP 7 - Not enabled yet.
- DIP 8 - must be set to “H” for normal use on CNS5612MX/CNS5624MX.

3.2.1 Address Settings

DIP switches “1~3” are used for setting the paging station ID. In the diagram below, the paging station IDs are respectively: the binary values of paging stations ID1~6 (dialed up for “1”, dialed

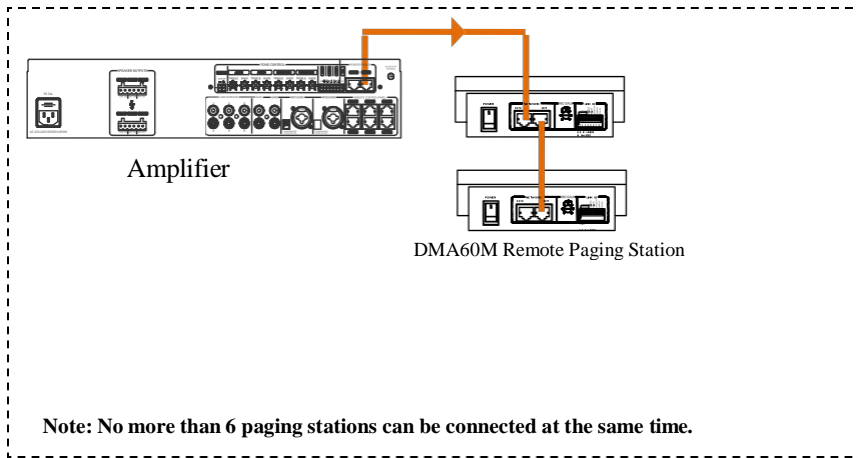
down to the “ON” position for “0”). Note: The silkscreen printing “1” on the switch represents the lowest binary bit, and “3” represents the highest binary bit.



3.2.2 Paging Operations

1. All-Zone Paging: Touch the “ALL CALL” button for all-zone broadcasting. At this time, the indicator lights of zones 1-6 on the machine panel all turn blue. When the gooseneck microphone light ring turns red, you can initiate all-zone broadcasting.
2. Zone Paging: Touch any selected zone or multiple zones among zones 1-6, then touch the “TALK” button on the machine panel for voice broadcasting. When the gooseneck microphone light ring turns red, you can start voice intercom.
3. Priority: Devices with ID1-5 are of the same level. When a high-priority device with ID6 initiates paging, the orange “TALK” light on the panels of low-priority devices flashes at a fixed frequency. When a low-priority device initiates paging, the orange “TALK” light on the panel of the high-priority device does not light up (indicating that it can override the paging), while the orange “TALK” light on the panels of other low-priority devices flashes at a fixed frequency.

3.2.3 Typical Applications

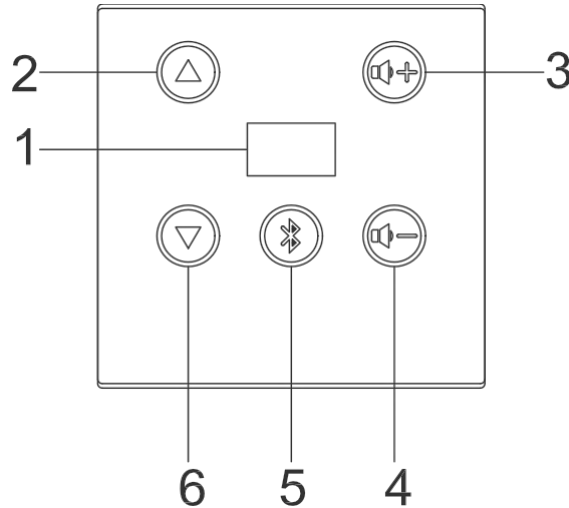


3.3 Specifications

Specifications	Parameters
Sensitivity	30±3mV
Frequency Response	200Hz-15KHz
S/N Ratio	≥70db
RJ45 Connector	RS485 communication protocol
Input Power	Powered by the host
Package Dimensions (H×W×D)	425×285×115mm
Machine Dimensions (H×W×D)	172×160×53mm
Gross Weight	1.6KG
Net Weight	0.89KG

4. CNS8210PM Bluetooth Control Panel

4.1 Front Panel



1. Digital Display Screen

00: It indicates no audio source is selected.

A0: Composed of MP3, FM, and Bluetooth sources.

A1: Composed of AUX1 source.

A2: Composed of AUX2 source.

A3: Composed of MIC1/LINE1 source.

A4: Composed of MIC2/LINE2 source.

A5: Composed of Bluetooth source.

Notes:

- ◆ Status codes: C0-MUTE, C1-SIREN, C2-EMC, C3-Remote Paging Microphone.

- ◆ Error codes: E0-Communication failure (no response from the host for 3 seconds), E1-Associated zone amplifier failure.

Note: When the CNS4620BT audio source switching button performs the override function, and the audio source is one of A0-A5, the display code will blink.

2. Previous Audio Source

Click this button to return to the previous audio source, and it will automatically cycle through A0-A5 to return to the previous audio source.

Notes:

◆ Three-bit address settings ADD1-3 (three IOs for PE4, PE6, PE7): ADD of 0-0-0 (Zone 1), 1-0-0 (Zone 2), 0-1-0 (Zone 3), 1-1-0 (Zone 4), 0-0-1 (Zone 5), 1-0-1 (Zone 6) represents the address of this Bluetooth control panel.

◆ The Bluetooth name changes according to the address bits: for 0-0-0 (Zone 1), the Bluetooth name is CP1; for 1-0-0 (Zone 2), the Bluetooth name is CP2; for 0-1-0 (Zone 3), the Bluetooth name is CP3; for 1-1-0 (Zone 4), the Bluetooth name is CP4; for 0-0-1 (Zone 5), the Bluetooth name is CP5; and for 1-0-1 (Zone 6), the Bluetooth name is CP6.

3. Volume Increase

The volume can be adjusted freely within the range of 0-32.

4. Volume Decrease

The volume can be adjusted freely within the

range of 0-32.

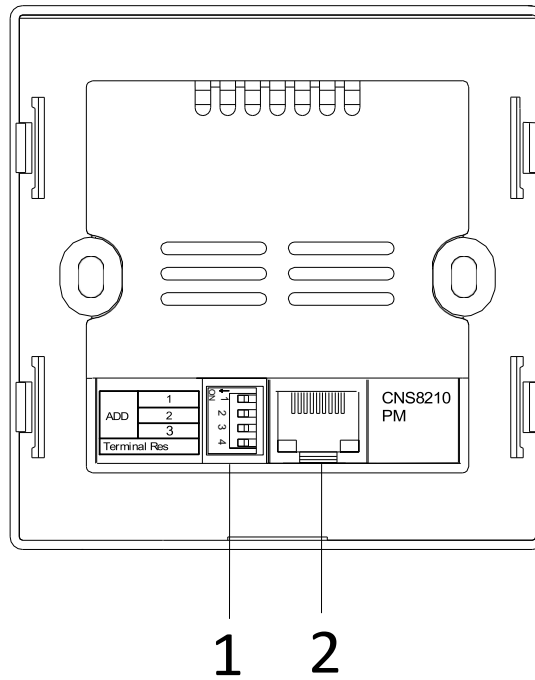
5. Bluetooth

Short press this button to quickly switch to channel A5. Long press this button to enable Bluetooth. If the Bluetooth connection is not established, the Bluetooth indicator will flash; otherwise, it will be normally on. On your phone, enable Bluetooth and search for Bluetooth names CP1-CP6. The phone will prompt you to enter a password. Enter the default password (1234) to pair. Once the phone displays “Connected to device”, you can start playing music from your phone.

6. Next Audio Source

The function is the same as the previous audio source button, but with a difference: clicking this button will switch to the next audio source, and it will automatically cycle through A0-A5 to the next audio source.

4.2 Rear Panel



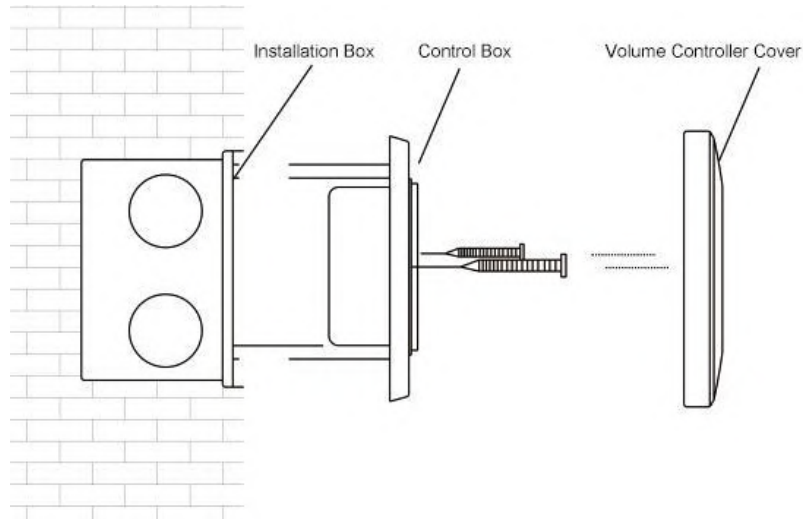
1. DIP Switch

Comparison table of zone address, DIP settings and Bluetooth name.

Address	DIP	Zone	Bluetooth Name
1	000	1	CP1
2	001	2	CP2
3	010	3	CP3
4	011	4	CP4
5	100	5	CP5
6	101	6	CP6

2. Network Interface

4.3 Installation Notes



4.4 Specifications

Model	CNS8210PM
Outer Package Dimensions (L×W×H) (mm)	144×121×91mm
Machine Dimensions (L×W×H) (mm)	86×86×38mm
Gross Weight	0.25kg
Net Weight	0.1kg

Precautions for Use

1. Safety Precautions

- Do not connect the equipment to the power grid before the system is connected properly.
- Make sure that the voltage input to the equipment is completely consistent with the required voltage of the equipment, otherwise the equipment may be burned out.
- There is a dangerous voltage inside the machine, which can cause electric shock. Do not open the case without authorization in case of electric shock.
- When the power switch of the equipment is in the “off” state, the machine is not completely disconnected from the power grid. For the sake of safety, unplug the power cord from the power socket when the equipment is not in use.
- Do not place the equipment in a place that is extremely cold or hot.
- Make sure that the equipment is operating in a well-ventilated environment, so as to avoid damage to the equipment caused by overheat and high temperature during operation.
- Unplug the power cord on rainy and wet days or during extended periods of inactivity.
- Unplug the power cord to ensure that the equipment is completely disconnected from the power grid before removing or reinstalling any parts of the equipment, disconnecting or reconnecting any electrical plugs or others of the equipment.
- When the equipment is faulty, do not open the case for maintenance without authorization to avoid accidents or aggravated damage to the equipment.
- Do not place any corrosive chemicals near or on the equipment.

2. After-sales Service Precautions

- The Company provides a three-year free warranty service (including free replacement of parts) over quality issues within the normal use range as from the date of purchase, provided that the equipment is installed and used in accordance with requirements specified in this manual.
- For warranty, the user is required to present the warranty card, the self-retained copy by user and the sales invoice of the equipment as supporting documents.
- The following situations are not covered by the free warranty:
 1. The product is damaged due to improper installation, use or handling;
 2. The product is damaged due to abnormal conditions (such as excessive power supply voltage or ambient humidity);
 3. The product is damaged due to unexpected events such as natural or man-made disasters;
 4. The product serial number is converted, altered or removed;
 5. The product has been repaired or modified by an unauthorized technician.
- Please keep the user manual and warranty card properly.
- For issues or precautions not mentioned in this manual, please contact the dealer or visit our website at <http://www.dsppatech.com> when necessary.
- During the warranty period, if the equipment is faulty, please contact our service technician (or the dealer) for maintenance. If the damage is caused by unauthorized disassembly or maintenance by an unauthorized technician, the Company will not be responsible for free warranty.

CNS5612MX CNS5624MX Packing List

No.	Checklist	Quantity
1	Multi-function Matrix PA System Host	1 piece
2	User Manual	1 copy
3	3.81MM 7P Green Plug	1 piece
4	3.81MM 2P Green Socket	1 piece
5	5.08MM 6P Green Plug	2 pieces
6	Resistive Screen Stylus	1 piece
7	Infrared Remote Controller (Paired with Bluetooth module)	1 piece
8	1500MM Audio Cable	1 piece
9	Power Cord	1 piece
10	Network Cable	1 piece
11	Cross Recessed Raised Countersunk Head Screw	4 pieces
12	Packer Washer	4 pieces

CNS4620BT Packing List

No.	Checklist	Quantity
1	Paging Station	1 piece
2	Microphone Cap	1 piece
3	Microphone Stem	1 piece
4	Network Cable	1 piece

CNS8210PM Packing List

No.	Checklist	Quantity
1	Bluetooth Control Panel	1 piece
2	Cross Recessed Round Head Screw Colored/4×22	2 pieces
3	Bottom Box	1 piece

Caution

- When the power switch of the equipment is in the “off” state, the machine is not completely disconnected from the power grid. For the sake of safety, unplug the power cord from the power socket when the equipment is not in use.
- The equipment cannot be exposed to water droplets or splashes and objects filled with water such as vases cannot be placed on the equipment.
- Do not open the cover of the machine in case of electric shock. If necessary, have it repaired by a certified professional.
- The terminals marked with the symbol ⚡ on the equipment are hazardous live parts, and the connection of these terminals must be completed by an instructed technician.
- The equipment is connected to the power grid through a power cord. When the equipment is faulty or dangerous, it can be disconnected from the power grid by unplugging the power cord. Therefore, it is required to place the power socket in a place where it is convenient to plug and unplug the power cord.

Guangzhou DSPPA Audio Co., Ltd.