User Manual

TCI

Remote Paging Microphone
TCI-1632RM

Contents

Safety Instructions

1.Read these instructions, retain and follow these instructions, heeding all warnings.

2.Please install the equipment according to manufacturer's instructions.

3.Do not install the equipment near any heat source, such as radiators, heat storage devices, stoves and other heating equipment.

4.Do not expose th e equipment to water leakage or splashing water environment

5.Do not place any dangerous source on this product (such as containers filled with liquids or lit candles, etc.).

6.Please use attachments/accessories specified by the manufacturer.

7.Prevent the power cord from being stepped on or squeezed; especially at plugs, power sockets,and equipment power cord outlets

8.Please unplug the power plug of the product during lightning weather or when it is not used for long time.

9.Please clean the dust on the product, power plug, and socket regularly.

10.All maintenance should be performed by qualified maintenance personnel. Servicing is required when the product has been damaged in any way, such as the power cord or plug is damaged, liquid has been spilled on the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

Notes

● If you find any of the following abnormal conditions during use, please turn off the power immediately, pull out the plug quickly and contact your nearest dealer. Do not continue to use the machine until the problem is solved, as it may cause fire or electric shock.

● If you notice smoke or a strange smell coming from the unit.

● If water or metal objects fall into the unit.

● If the unit is dropped or the casing is damaged.

● If the wire is damaged (the wire core is exposed, the wire is broken, etc.).

● If a fault is found (no sound).

● Because the machine contains high-voltage parts, to avoid fire or electric shock, the casing of this machine must not be opened. If you have any problems, please notify your nearest dealer.

● Never place cups, bowls, vases, or other objects containing liquids on the unit. If liquid is accidentally spilled into the machine, it may cause fire or electric shock.

● Never expose the unit to rain or any humid or water-prone place. It may cause electric shock or fire.

● Never put metal objects or flammable objects, nor coins, into the ventilation openings on the machine cover, as this may cause fire or electric shock.

● Please do not place heavy objects on the machine to avoid personal injury or property damage caused by the machine slipping.

● Please do not continue to use the machine when the sound is distorted. This indicates a malfunction and may cause high temperature and fire inside the machine.

● If the machine needs to be cleaned due to long-term accumulation of dust, please notify your dealer to clean the machine regularly to avoid damage to the machine or fire.

● The product is Class I equipment, and the power supply of the equipment must be connected to a power socket with a grounding device to ensure that the equipment is fully grounded.

● This product uses the power plug or appliance input socket as the disconnection device from the grid power supply. For safety reasons, it must be disconnected when necessary.

● If the panel of this machine is upgraded without further notice, please refer to the actual product for specific conditions.

Product Description

Product Overview

This product is specifically designed for broadcasting products requiring remote paging/programmable control. Through the paging station, devices in the equipment room can be remotely controlled locally, such as zone control, service announcements, background music playback, and announcements to designated zones, among other broadcast operations.

Features

1. Embedded microcomputer control system with built-in MP3 player; 2GB/4GB built-in memory, expandable via SD card; music download via USB.
2. TFT true-color display screen with intuitive graphical menu control; clear and easy-to-use operation; system status displayed at a glance.
3. This remote intelligent paging station can play music from its internal memory or external SD card and transmit it in real-time to designated zone units via network cable.
4. Control commands use the RS485 bus protocol, allowing long-distance calling of any zone or zone group.
5. Each zone can be renamed using the accompanying computer software.
6. Up to 16 zone groups can be customized and renamed using the accompanying computer software.
7. Balanced audio signal transmission ensures strong anti-interference capabilities and high-fidelity sound.
8. Effective transmission distance exceeds 500 meters.
9. Supports AUX input, allowing local music to be broadcast to each zone.
10. Paging stations can be hand-in-hand connected, with up to 16 stations supported.
11. Built-in tone adjustment/tone adjustment.
12. Paging stations can be configured with priority levels 1 to 16.

Interface Instruction
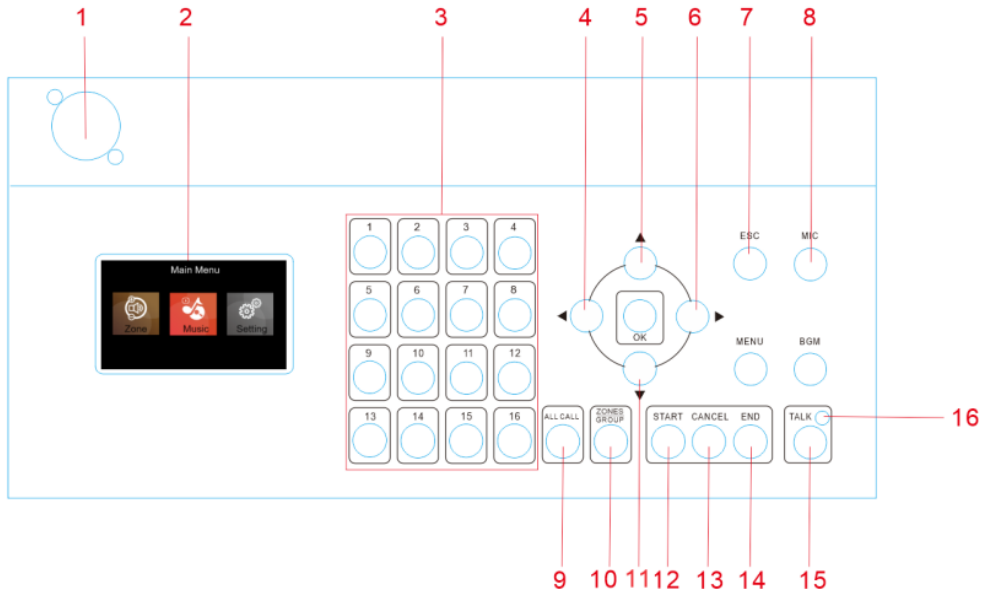
1. MIC Socket:] ress and hold the socket spring to insert the MIC motion.

2. TFT True Color Display: Displays system control information and status.

3. 1-16 Numeric Keypad: ãn the speech, zone, power, and other control interfaces, the numeric keys are used for quick control of zone operations.

For example:] ¦essing the number key "1" toÁ[ ] ^} æ} åÁ&|[•^Ázone 1; pressing the number key "2" ¢[Á[ ] ^}Áse} åÁ&|[•^ zone 2.

4. Left/ÁÁPrevious Track Button: ˇ sed for menu operation or changing music.

5. Up/ÁÁPrevious Page Button: ˇ sed for menu operation or adjusting parameters.

6. Right/ÁÁPrevious Track Button: ˇ sed for menu operation or changing music.

7. ESC: ¦eturn button. When currently in the menu page, press this button to return to the previous menu level.

8. MIC: MIC function toggle button. Turns the MIC motion on/off. Press this button to enter MIC motion mode or stop MIC motion mode.

9. ALL CALL: Selects to open or close all zones.

10. ZONES/GROUP: Switches between zone mode and zone grouping mode.

11. Decrease/Next Page button: Used for menu operation or adjusting parameters.

12. START: Start broadcast button. After selecting a zone or zone group, press this button to send the zone command and start broadcasting.

13. CANCEL: Cancels the selected zone and returns to the zone state before selection.

14. END: Ends the current broadcast, closes all zones, and resets the zoner state.

15. MATRIX: Matrix button. Press this button to enter the audio matrix control interface, allowing remote control of the controlled audio matrix.

16. TALK: Transmitter connection request. The zoner must be connected before stopping broadcasting.

17. Connection indicator: LED stays on when connection is successful; LED flashes quickly when seeking connection; LED flashes slowly when priority is insufficient or the line is occupied; LED is off in standby mode.

Rear Panel
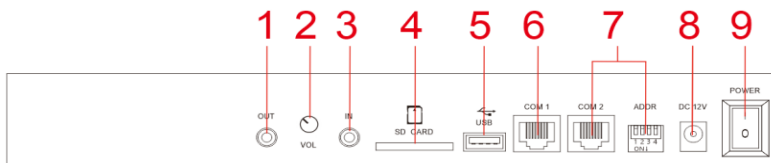
1. OUT: Audio output, synchronous linear output of the paging station's audio signal.

2. VOL: Microphone volume control knob.

3. IN: Audio input, external audio source input.

4. SD Card: SD card slot, expansion SD card slot.

5. PC USB: USB socket, used for connecting to a computer via USB cable.

6. COM1: RS485 input/output port, can be connected in a daisy-chain or star topology.

7. COM2: RS485 input/output port, can be connected in a daisy-chain or star topology.

8. ADDR: Address DIP switch, sets the priority of this paging station (levels 1-16).

9. DC12V: External 12V DC power supply.

10. POWER: Paging station power on/off.

System Diagram
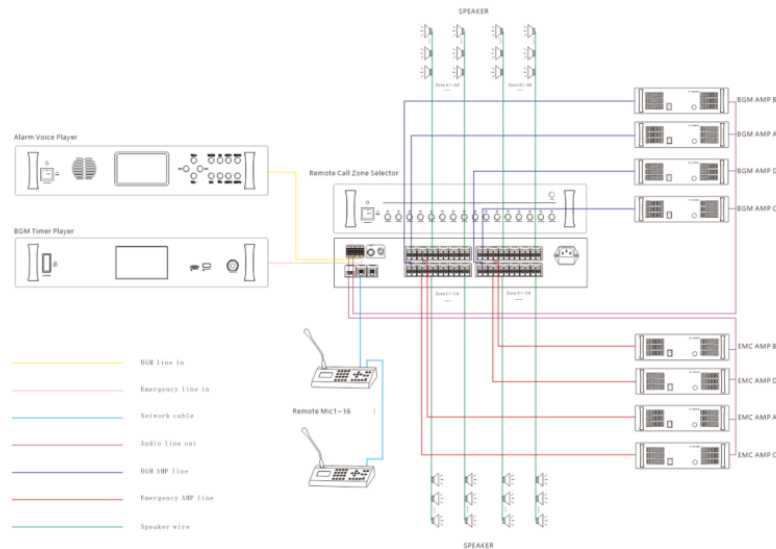
1. Paging and Broadcasting Operation Steps:

Step 1: Press "TALK" button to connect to the zone selector. A successful connection will result in a solid indicator light; otherwise, it will flash rapidly.

Step 2: In the zone operation interface, select the zone you want to open or select a pre-configured zone group.

Step 3: Press the "START" button to send the zone setting command. Once the MIC indicator light is on, you can begin broadcasting. To end the current broadcast and reselect a zone, press the "END" button to reset the zone controller, then repeat steps 2 and 3.

Step 4: To exit broadcasting, press the "TALK" button again to disconnect from the zone selector. This exits broadcasting mode.

2. Background Music Playback Operation Steps:

Step 1: Press the "TALK" button to connect to the zone controller. A successful connection will result in a solid indicator light; otherwise, it will flash rapidly.

Step 2: Press the "BGM" button, select the music file you want to play, and begin playback.

Step 3: In the zone operation interface, select the zone you want to open or select a pre-defined zone group.

Step 4: Press the "START" button to send the zone setting command. To end the current broadcast and reselect the zone, repeat steps 3 and 4. To reselect a music file, press the "ESC" key to return to the music playback interface.

Step 5: To end music playback, press the "BGM" button again, or press the "MIC" button to switch to microphone mode.

Step 6: To exit broadcasting, press the "TALK" button again to disconnect from the zone controller. This exits broadcast mode.

Main Function Instruction

1. Main Menu
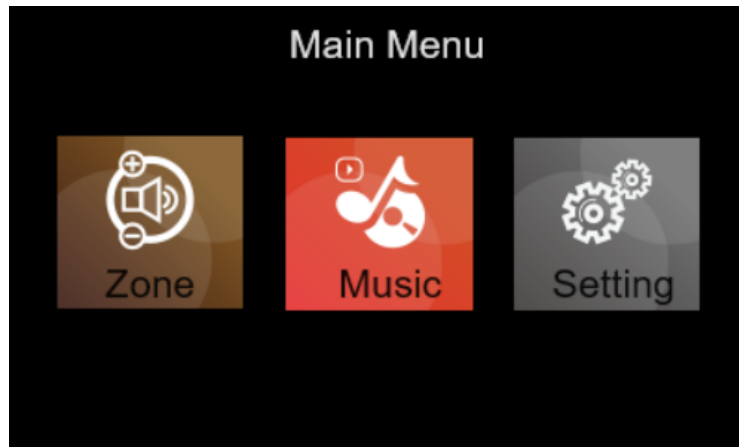
Use the "Left" or "Right" keys to select a function module, and press the "OK" key to enter the corresponding function module.

2. Zone Selection

<1> Press the zone selection shortcut key ("1"~"16", "ALL CALL", "ZONES GROUP") to directly launch the zone selection interface.

<2> Press the "Left"/"Right" key to select the "Zone" function module, and press the "OK" key to enter the "Zone" interface.

<3> Follow the steps in <1> or <2> above to enter the zone selection interface. Use the shortcut keys or menu keys to operate the corresponding zone (open or close). When the zone status indicator is highlighted, the corresponding zone selection is open; when it is off, the corresponding zone selection is closed.

<4> After entering the zone selection interface, you can press "ZONES GROUP" to switch between zone operation mode and zone grouping operation mode.

<5> A maximum of 16 zone groups are supported, and each group can control up to 256 zones. Groups can be preset using the accompanying PC software.

<6> After selecting a zone/zone group, press the "START" button to send zone setting commands (ensure the paging station is connected to the zone selector). Once the corresponding zone is opened, a prompt tone will play. After the prompt tone ends, the MIC light will automatically illuminate, and you can then begin speaking.

3. Background Music

<1> Music playing: Enter the media library through the main interface "MUSIC". You can select from built-in MP3 Player or AUX.
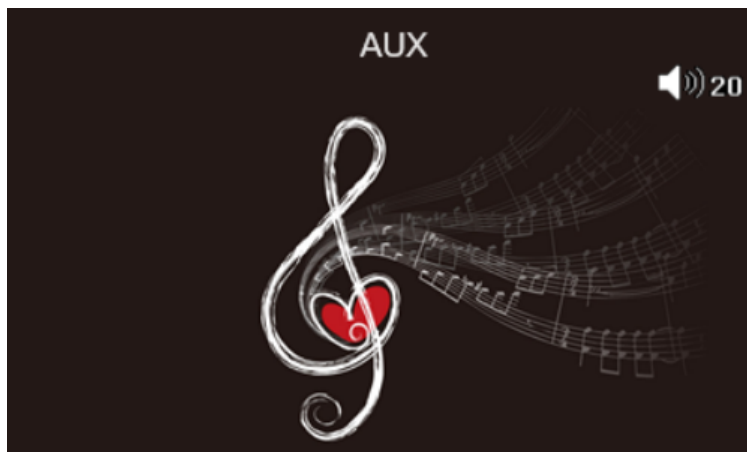
Through the "Music" interface, select "MP3 Player" to access the media library. You can then select "All Music," "Artists," "Albums," "Genre," "My Favorites," "Recordings," "Catalog List," and "Update Media Library."
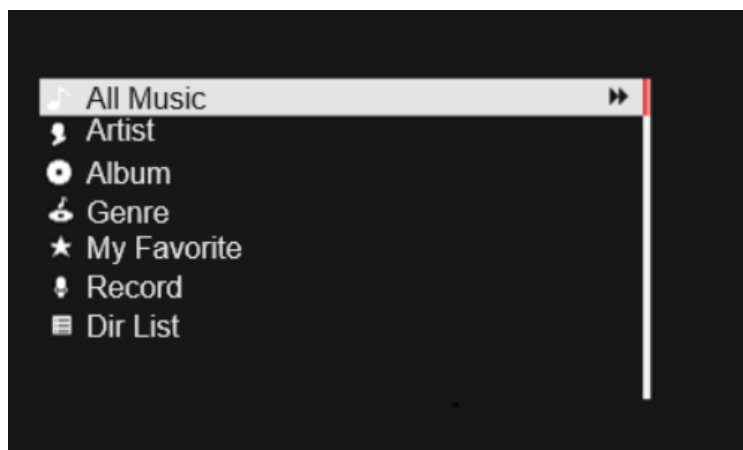
All Music: Lists all music files in the local memory. (Note: Music files on the SD card are not listed.)

Artist: Categorizes music files according to the artist of the song.
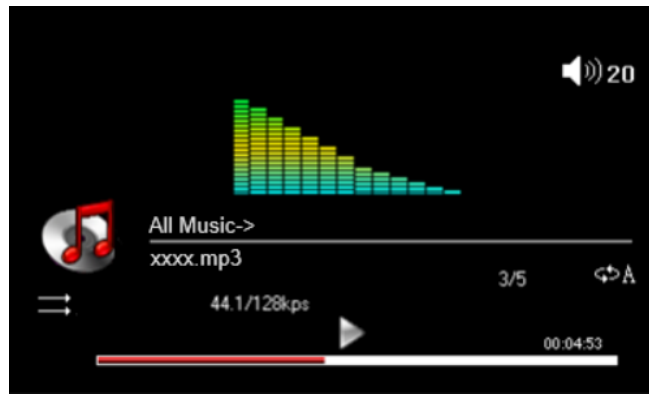
Album: Categorizes music files according to the album.

Genre: Categorizes music files according to the genre.

My Favorite: Saves the user's favorite music.

Record: Lists recorded files.

Directory List: Selects the playback directory path, allowing access to the SD card or memory folder.

Update Media Library: Updates media library information.
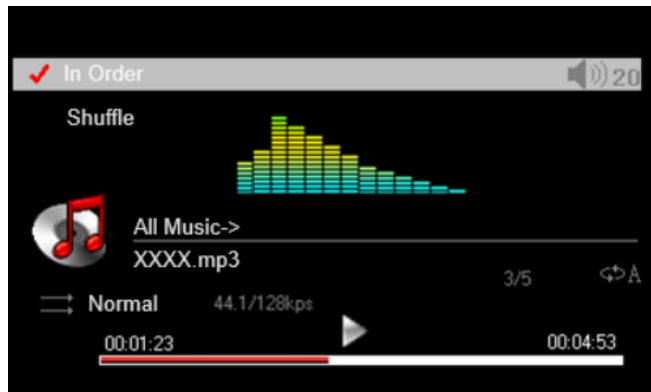
Playback Settings

Press MENU button to enter into playback setting interface. Press OK button to enter into the next step setting. Press ESC to exit the current interface.
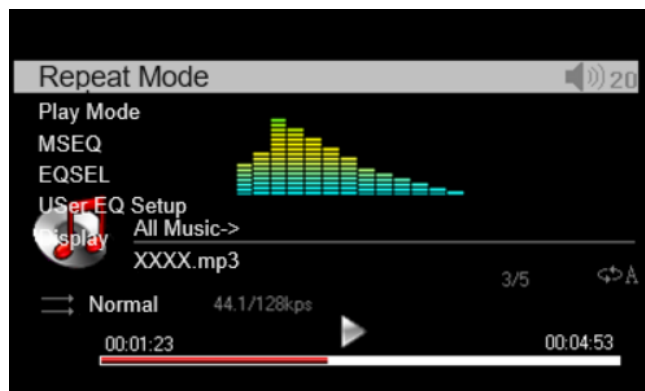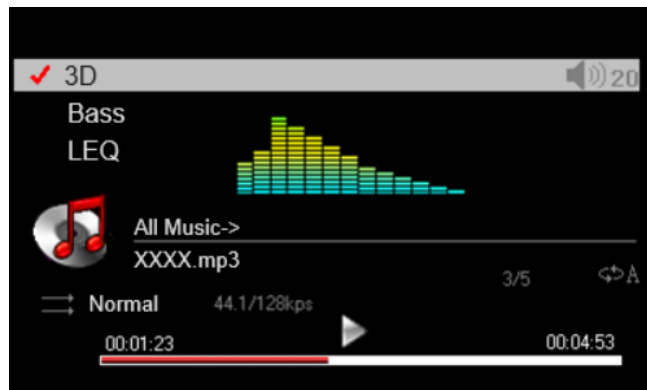

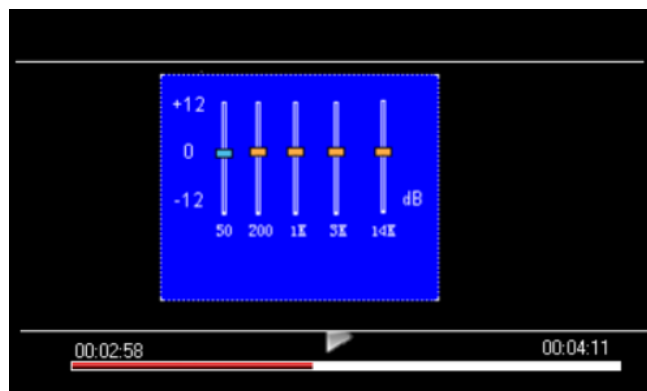**Repeat Mode:** there are 5 modes: Once, Repeat, All, All Report and Intro
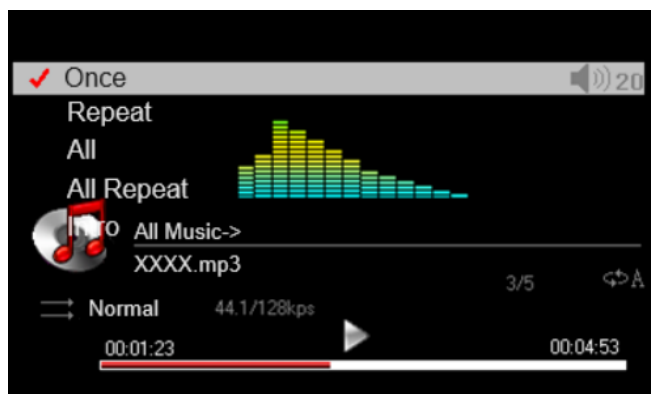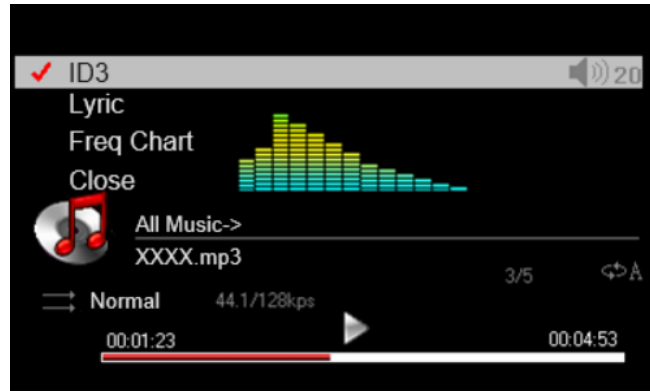
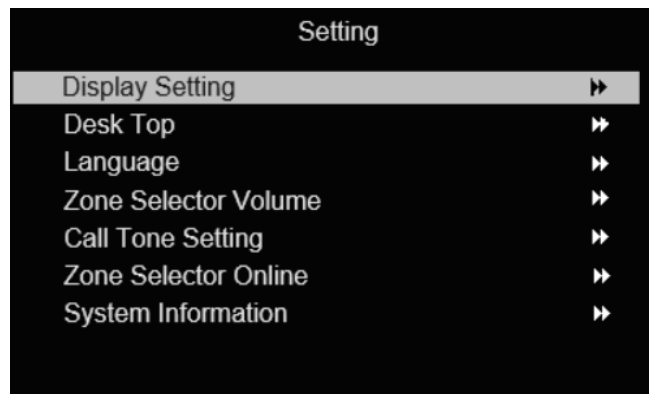**Playback Sequence Setting**

MSEQ (Sound Effect) Setting

Sound Effect Selection

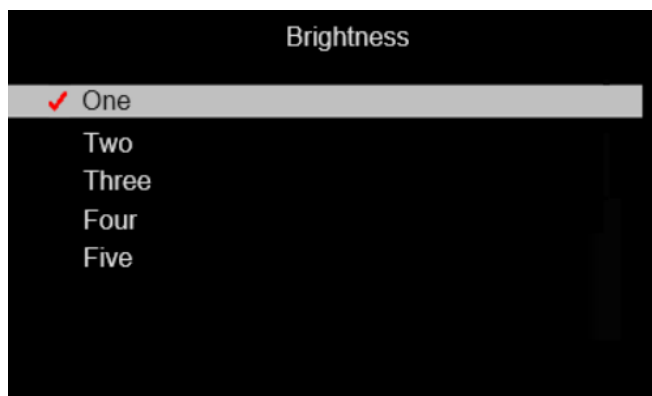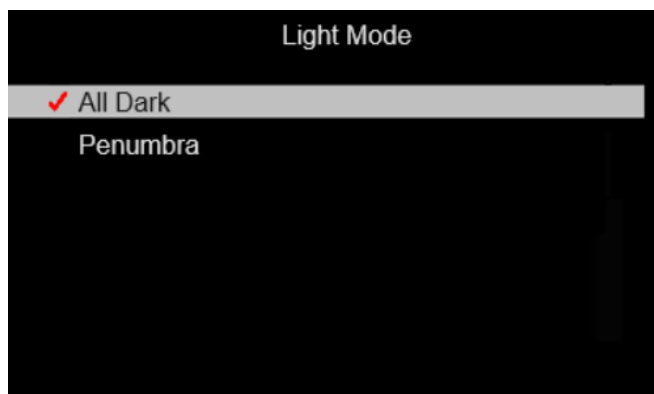**Screen Display**

4. System Settings

Display Setting

Backlight Mode

Backlight Time

Light Time

✓ 5 Seconds
10 Seconds
15 Seconds
20 Seconds
30 Seconds
Always On
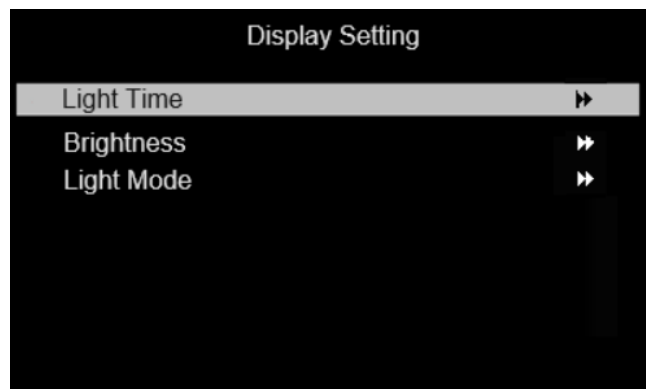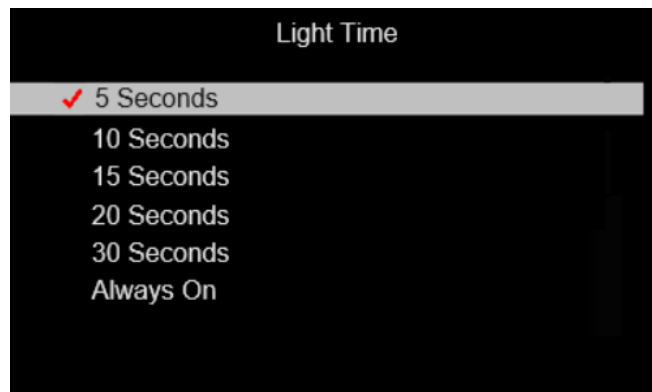
Brightness Adjustment

Brightness

✓ One
Two
Three
Four
Five

Backlight Mode

Light Mode

✓ All Dark
Penumbra

Desktop Setting
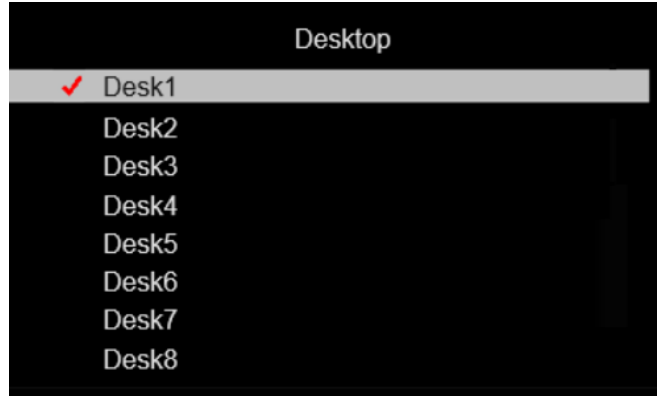
Language Setting

System Information

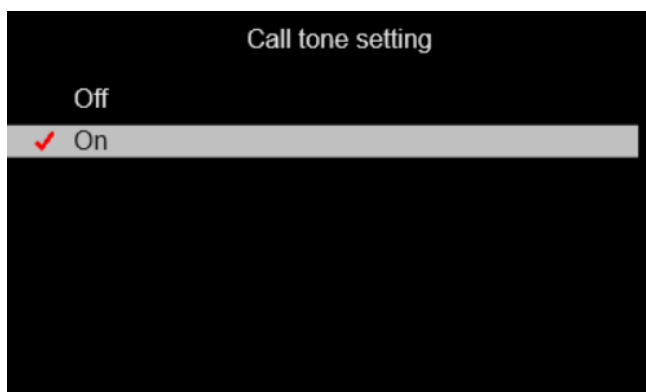| Zone Selector Volume	
DEVICE:	01
MAIN VOL:	🔊 24
LINE IN1:	🔊 24
LINE IN2:	🔊 24
HOME MIC:	🔊 24
TONE:	🔊 24
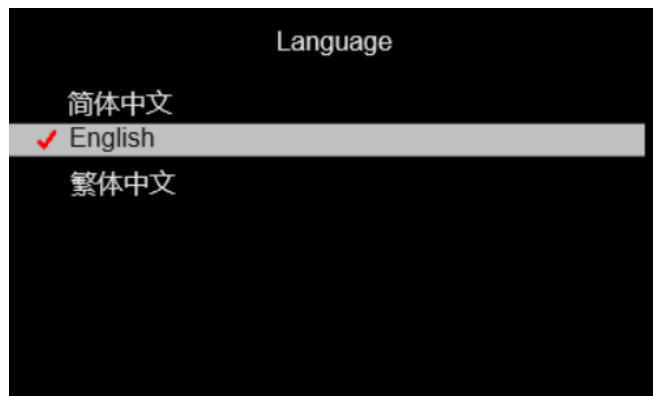
Set the overall volume of the paging zone's built-in preamplifier and the volume of each audio source.

When setting the volume of the built-in preamplifier of the zone selector, you must first select the device address of the target zone selector. One paging microphone can set the volume of preamplifier of multiple zone selectors.

Call Tone Setting
Configure whether to play a notification tone when start a broadcasting or stop paging.

Call tone setting
Off
✓ On

Zone Selector Online Status Checking

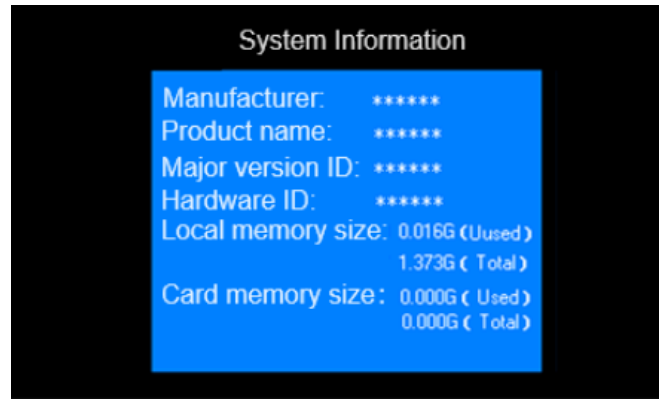| Zone selector online			
01 Online	02 Offline	03 Offline	04 Offline
05 Offline	06 Offline	07 Offline	08 Offline
09 Offline	10 Offline	11 Offline	12 Offline
13 Offline	14 Offline	15 Offline	16 Offline

System Information

View system information, such as version number, capacity, etc.

Priority Setting

Priority levels 1 to 16 can be set via DIP address on the back panel, 1 is the highest priority and 16 is the lowest priority. Higher priority can interrupt lower priority, but lower priority cannot interrupt higher priority. For equal priorities, the last-in, first-out (LIFO) principle applies.
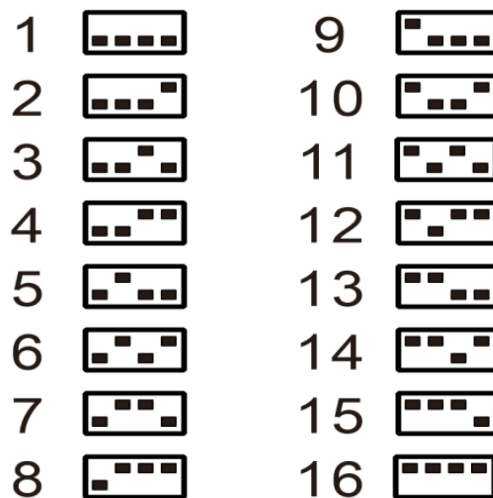
PC Software Tool
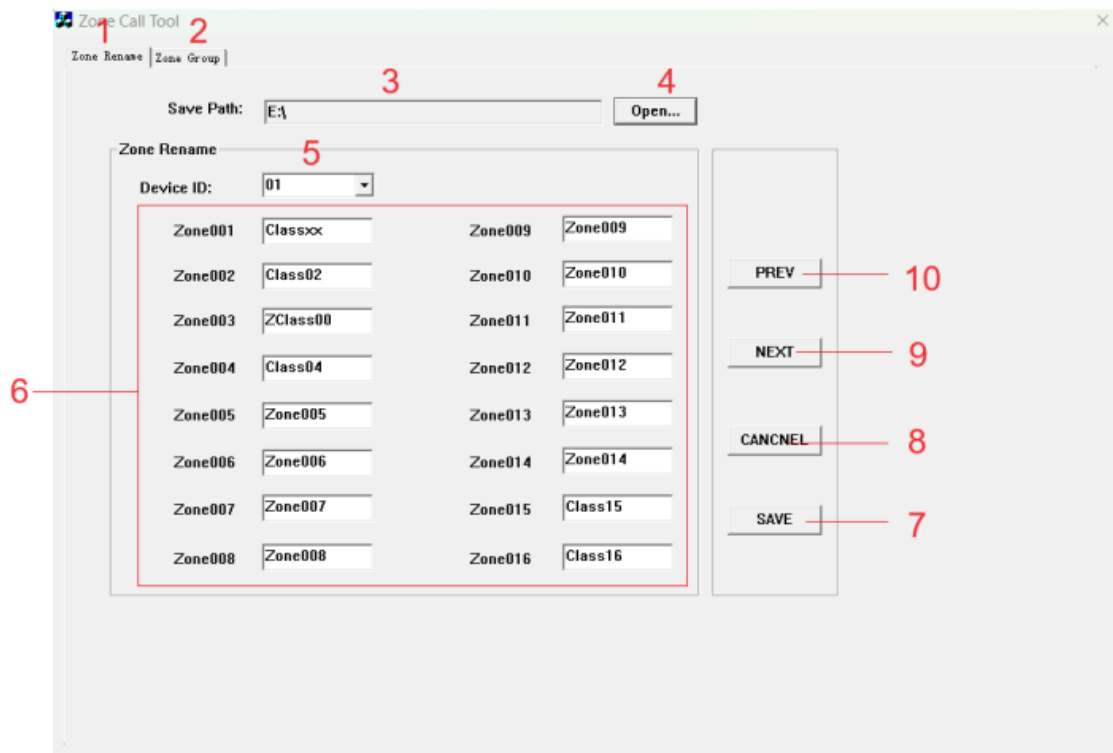
Zone Rename

1. Select the "Zone Rename" tab and choose the "Zone Naming" page.

2. Select the "Zone Group" tab and choose the "Zone Group" editing page.

3. Display the save path for the zone naming configuration file.

4. Select the save path for the zone naming configuration file. Note: Select the root directory of the system disk corresponding to the paging station.

5. Select the zone selector 1-16, corresponding to 16 zone selectors, each with 16 zones.

6. Enter the zone name. The name for each zone can be entered from the corresponding text box (maximum 8 characters).

7. Save the new zone name.

8. Cancel the new name.

9. View the zone name of the next zone selector.

10. View the zone name of the previous zone selector.

Zone Group

1. Select the "Zone Rename" tab and choose the "Zone Naming" page.

2. Select the "Zone Group" tab and choose the "Zone Group" editing page.

3. Display the save path for the zone naming configuration file.

4. Select the save path for the zone naming configuration file. Note: Select the root directory of the system disk corresponding to the paging station.

5. Select the group number (1~16). Up to 16 zone groups are supported.

6. Enter the zone name. The name for each zone can be entered from the corresponding text box (maximum 8 characters).

7. Browse the previous zone group.

8. Browse the next zone group.

9. Select a zone selector (1~16).

10. Browse the zone settings of the previous zone selector.

11. Browse the zone settings of the next zone selector.

12. Open All Zones.

13. Close All Zones.

14. Select to Open/Close a Specific zone.

15. Cancel the current zone setting.

16. Save the current setting.

Zone Rename of Zone Group Operation Steps

Step 1: Connect the paging station to the computer using a USB cable.

Step 2: Run the "Zone Call Tools.exe" editing tool.

Step 3: Click "Open…" button and select the path to the removable disk corresponding to the paging station after it is connected to the computer.

Step 4: Name the zone in the interface and then save. Configure the zone group settings in the zone group page, and then save.

Step 5: Unplug the USB cable. The paging station will automatically update the zone name and zone group configuration. The setup is complete.

The products are constantly improving,subject to change without prior notice.