



**AW-EVC100 Emergency Voice Evacuation Controller**  
**Installation and Operation Manual**



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## Version Description

| Version      | Description           | Date              |
|--------------|-----------------------|-------------------|
| <i>V1.00</i> | <i>First version</i>  | <i>2023.12.25</i> |
| <i>V1.1</i>  | <i>Add Timed Play</i> | <i>2024.04.12</i> |

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# 1 Product Overview & Technical Parameters

## 1.1 Product Overview

*AW-EVC100 emergency voice evacuation controller is suitable for communication and dispatch in case of fire or emergency in the building. When a fire occurs in the application scene, the emergency evacuation audio will be played, and the on-site personnel can make a speaker call through the controller microphone to schedule the on-site evacuation.*

## 1.2 Product Features

- *There is an emergence evacuation button that can be manually operated to activate the fire alarm , displaying with alarm information in editable language*
- *Equipped with EMC Microphone which issued to evacuate people When it is in emergency situation*
- *3.2-inch LCD screen and silicon buttons for visual operation*
- *Provided with various source input including 2 AUX and 2 MIC*
- *Supports playback of audio in MP3, WAV format with USB flash disk and Bluetooth*
- *There are 20 zones of fire detection input, which are activated one by one with the 20 zones of voice zones when the fire alarm is triggered, and when the fire disappears it will automatically recover.*
- *Each broadcast zone needs to connect to constant voltage loudspeaker with 2, 3 wire connection*
- *Autonomously control the opening and closing of the broadcast zone*
- *There are 120 fire zones that can be linked to the broadcast zone via CAN in the Fire Alarm Control Panel ( like FP128, FP200 ). If the linkage is preseted in the EVC100, the evacuation audio will be played when EVC100 receive the fire signal from he Fire Alarm Control Panel.*
- *Each broadcast zone can be set with an individual timer to delay playing the evacuation audio when received fire signal*
- *Support a maximum of 60 broadcast zones by connecting to EV603*
- *2 loops of paging input interfaces, which can connect two paging devices, and can broadcast notification and audio through Paging at a long distance.*
- *Support AC power supply and 24V battery power supply, can automatically identify and switch, AC power supply priority*
- *1 monitoring speaker, which can monitor the audio of the input audio source*
- *Built-in SD card, used to store emergency alarm audio files ( MP3, WAV format)*

**1.3 Technical Parameters**

|                                                           |                                                                    |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| <b>Rated input voltage</b>                                | <i>~ 100V-260V, 50/60Hz</i>                                        |
| <b>Maximum current</b>                                    | <i>T3.15A</i>                                                      |
| <b>Working environment</b>                                | <i>Relative humidity (&lt;95%) at -20 ~40 °C, no condensation)</i> |
| <b>Standby Audio Output</b>                               | <i>Balance 1V,&lt;0.3% 1KHz</i>                                    |
| <b>MIC1/MIC2 input sensitivity and frequency response</b> | <i>Balance,10mV/80Hz~10KHz±3DB</i>                                 |
| <b>MIC1-2 input SNR</b>                                   | <i>&gt;70dB</i>                                                    |
| <b>AUX1-2 input sensitivity and frequency response</b>    | <i>Unbalance,350mV/20Hz~20KHz±3DB</i>                              |
| <b>AUX1-2 Input SNR</b>                                   | <i>&gt;90dB</i>                                                    |
| <b>Paging Input Frequency response</b>                    | <i>20HZ-20KHZ±3DB</i>                                              |
| <b>Alarm Input</b>                                        | <i>20 channel</i>                                                  |
| <b>Paging Distance</b>                                    | <i>&gt;=600m(with CAT-5E OFC cable)</i>                            |
| <b>Remote MIC communication</b>                           | <i>CAN bus</i>                                                     |
| <b>Slave Controller Communication</b>                     | <i>RS485 bus</i>                                                   |
| <b>Battery Input Voltage and Current</b>                  | <i>24V DC±20%/3A</i>                                               |

## 2 Product Appearance and Front Panel Description

### 2.1 Front panel description

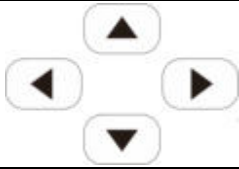
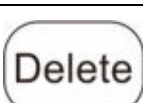


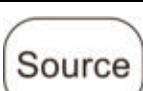
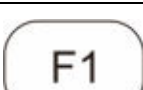
| No. | Name                        |
|-----|-----------------------------|
| 1   | controller status light     |
| 2   | emergency evacuation button |
| 3   | 3.2-inch LCD screen         |
| 4   | microphone                  |
| 5   | USB interface               |
| 6   | silicone button             |

### 2.2 Indicator light description

| Indicator name       | Color  | Description                                                         |
|----------------------|--------|---------------------------------------------------------------------|
| <b>Power</b>         | Green  | When the front panel is working, the LED lights up.                 |
| <b>General Fault</b> | Yellow | When there is a general fault, the LED lights up.                   |
| <b>System Fault</b>  | Yellow | When there is a system fault, the LED lights up.                    |
| <b>Paging</b>        | Green  | When Paging has audio input, the LED light up.                      |
| <b>Emergency</b>     | Red    | When the emergency evacuation button is pressed, the LED lights up. |
| <b>Mic</b>           | Green  | When MIC has audio input, the LED light up.                         |
| <b>EVAC Alert</b>    | Red    | When the emergency evacuation audio is playing, the LED lights up.  |
| <b>BGM</b>           | Green  | When BGM has audio input, the LED light up.                         |
| <b>AUX</b>           | Green  | When AUX has audio input, the LED light up.                         |

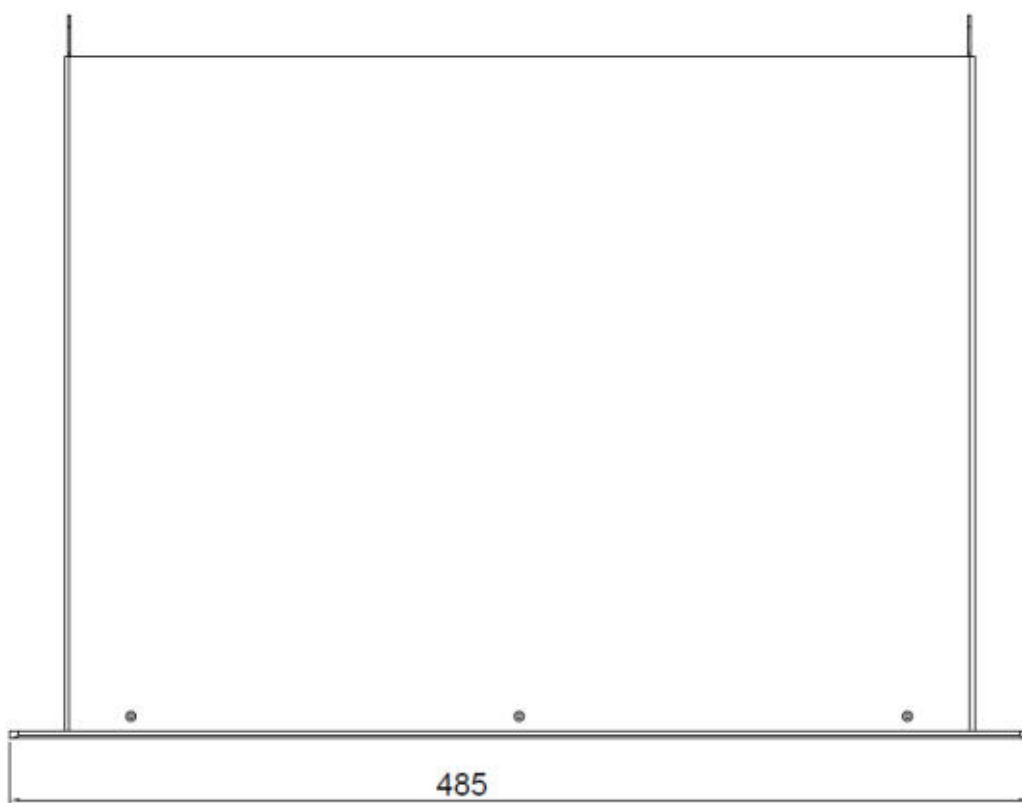
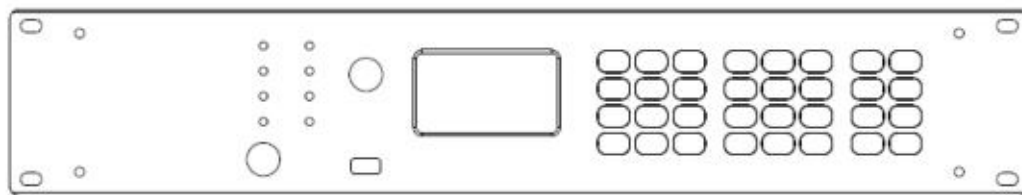
## 2.3 Button description

| Button                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Use when login and setting. When the * <b>button</b> is lit up, it is the English lowercase input mode, when the # <b>button</b> is lit up, it is the English uppercase input mode, when no button is lit up, it is the number input mode (default). If you want to switch the input mode, press * <b>button</b> to switch the number or English mode, and then press # <b>button</b> in the English mode to switch the English case mode.</p> |
|    | <p>Move the cursor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | <p>Copies the entire content as it is typed on the keyboard.</p>                                                                                                                                                                                                                                                                                                                                                                                  |
|    | <p>When typing on the keyboard, paste the content.</p>                                                                                                                                                                                                                                                                                                                                                                                            |
|   | <p>Switch the cursor to the save button /return to the original position.</p>                                                                                                                                                                                                                                                                                                                                                                     |
|  | <p>Confirm/change the current selection.</p>                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <p>Switch to the login page.</p>                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <p>Switch to the main menu page.</p>                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | <p>Delete in input mode.</p>                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <p>Exit the current page.</p>                                                                                                                                                                                                                                                                                                                                                                                                                     |
|  | <p>Switch to home page.</p>                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <p>Switch to MP3 page.</p>                                                                                                                                                                                                                                                                                                                                                                                                                        |

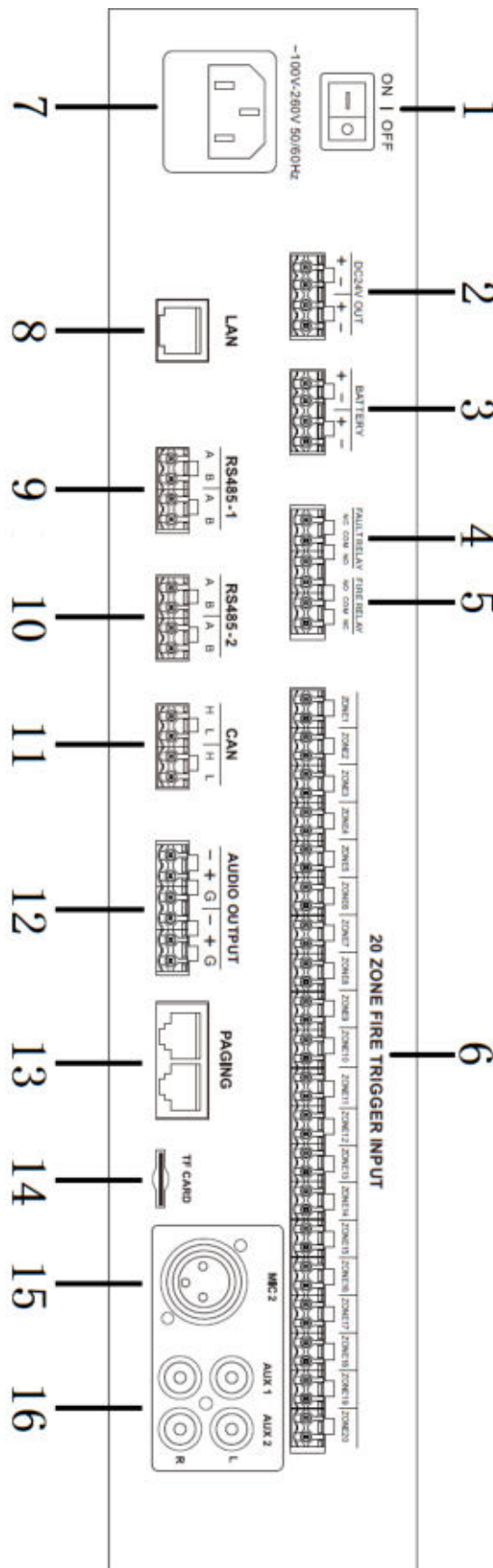
|                                                                                   |                                                                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  | <i>Switch to the voice zone startup page.</i>                                                                          |
|  | <i>All voice zones are muted. (Press it again to cancel the mute mode when the voice zone switch is not operated).</i> |
|  | <i>Confirm the current fault (the fault light no longer flashes)/ mute the local buzzer.</i>                           |
|  | <i>Reset the controller/ controller test.</i>                                                                          |
|  | <i>Press it on the home page can quickly switch to the next audio source.</i>                                          |
|  | <i>Reserve.</i>                                                                                                        |

## 2.4 Mounting

1. *Preparations: Make sure the installation location is free of construction dust, debris, extreme temperature range and humidity.*
2. *The ground wire is then connected to the AC power supply. We recommend 16AWG to the AC power supply.*
3. *Before connecting the power cord to the panel, make sure that the total power supply has been disconnected. Do not operate live.*
4. *Before connecting the backup battery, the EVC100 should be connected to the main power supply.*

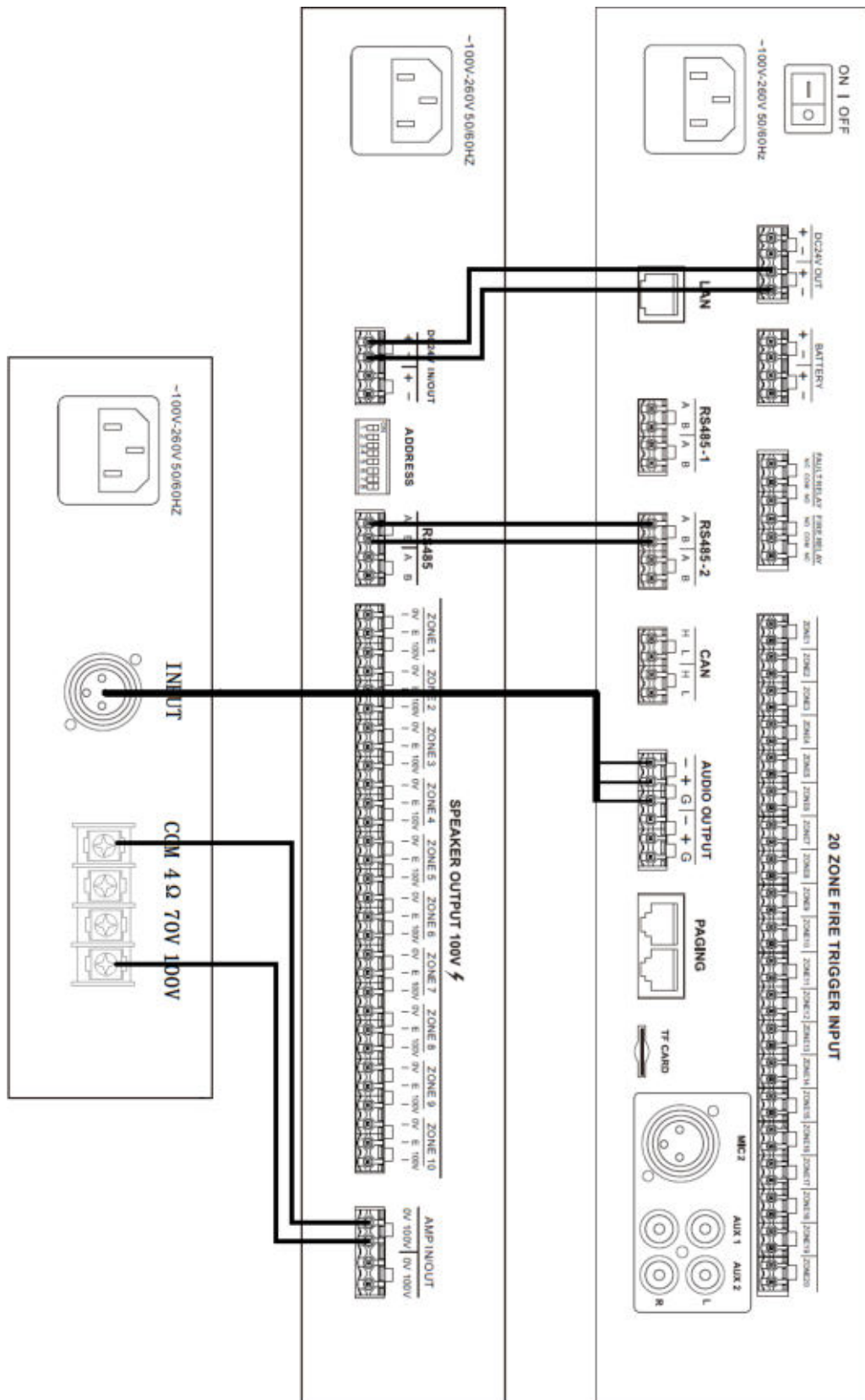
**2.4.1 Panel side view, front view and mounting diagram**

## 2.5 Terminal Description



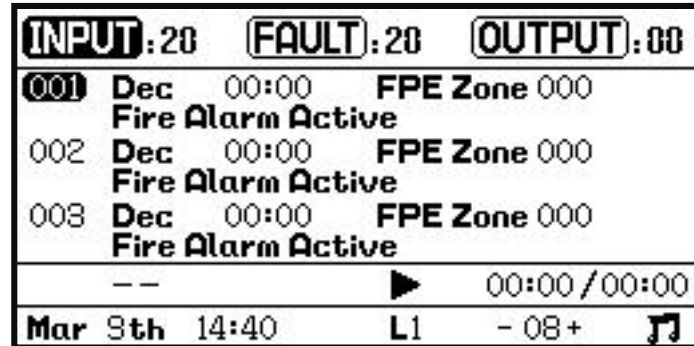
| No. | Description                                                                  |
|-----|------------------------------------------------------------------------------|
| 1   | Main power supply switch of the host.                                        |
| 2   | Two DC24V/0.5A output ports.                                                 |
| 3   | Two standby battery input ports.                                             |
| 4   | Fault output relay.                                                          |
| 5   | Fire alarm output relay.                                                     |
| 6   | 20 fire detection input ports. short-circuit one of them to make it on fire. |
| 7   | Mains input port.                                                            |
| 8   | Reserve port .                                                               |
| 9   | Reserve port.                                                                |
| 10  | Two RS485 ports for expanding connection to a zone speaker selector.(EV603)  |
| 11  | Two CAN ports for expanding connection to the FP128/FP200 fire alarm panel.  |
| 12  | 2 Audio output ports, Connecting the amplifier.                              |
| 13  | 2 PAGING ports used for extended connection to remote microphones.           |
| 14  | SD card for emergency audio storage (MP3,WAV format)                         |
| 15  | MIC2 port for external expansion of MIC audio input.                         |
| 16  | 2 AUX ports for extended AUX1 and AUX2 audio inputs.                         |

## 2.6 Graph that indicate the connection between EVC100 and expand machine



## 3 Operation Page Instructions

### 3.1 Home



**Display information selection:** There are 3 options: Input, Fault, Output.

When the cursor selects **Input**, the main information column displays the current activation status of the fire protection zone.

When the cursor selects **Fault**, the main information column displays the current fault information.

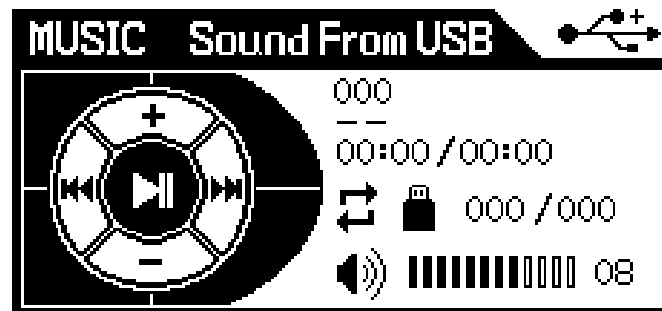
When the cursor selects **Output**, the main information column displays the current activation status of the voice zone and the countdown status of the activated fire zone.

\* The number in the lower right corner of the option represents the number of information items for the current option.

**Column 1:** Display the serial number of the currently playing song such as 001, the name of the current song, the playing status, the playing time, and the total time of the current song.

**Column 2:** Display the current time, user level, current MP3 volume, and current audio source selection.

### 3.2 MP3



**Enter the MP3 page:** Press the BGM button  on the home page.

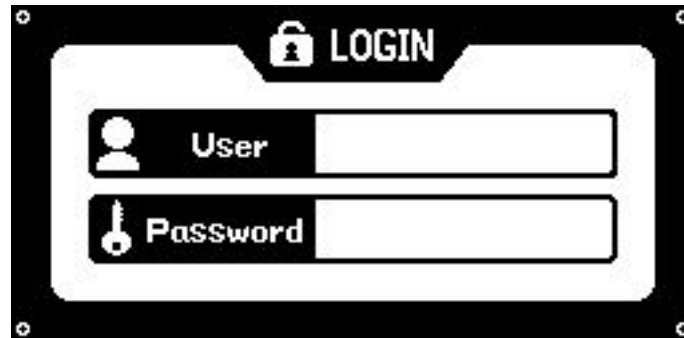
**MP3 playback/pause:** Press the Enter button  to switch.

**MP3 volume adjustment:** adjust the volume through the up and down buttons  , the maximum is 14 and the minimum is 0.

**MP3 song switch:** Use the left and right buttons   to switch songs.

**Exit the MP3 page:** Press the Cancel button  to exit.

## 3.3 LOGIN



**Enter the LOGIN page:** Press the Login button  on the home page.

**Cursor switch:** Switch the position of the cursor through the Tab button .

**User switch:** When the cursor is in the user column, press the Enter button  to switch users.

**Password input:** When the cursor is blinking in the password input box, press the number buttons to enter the password.

**Delete wrong input:** Press the Delete button  to delete wrong input.

**Confirm login:** Press the Enter button . After login, the user level on the home page will be updated to the latest status.

**Exit the LOGIN page:** Press the Cancel button  to exit.

**Default Password :** Admin password 1111

Super Admin password 2222

## 3.4 Voice zone



**Enter the Voice Zone page:** Press the Zone Select button . When entering the page, the current music source will be displayed in the upper right corner of the page. Press the Zone Select button  again to switch music sources, and thus view and modify the Voice Zone of the selected music source.

**Cursor switch:** Switch the cursor position by pressing the up, down, left, and right buttons    , and press the Tab button  to switch the cursor to Save or exit Save or To Zone.

**To Zone:** Input the zone you want to go and press the Enter button  to jump the cursor to that zone.

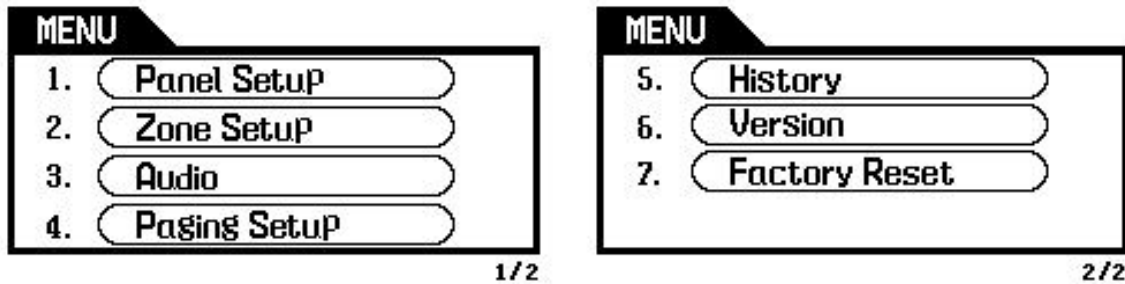
**zone speaker switch setting table:** Press the Enter button  to switch the speaker activation state.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Voice Zone page:** Press the Cancel button  to exit.

**Note:** When All Voice Zones Active is checked, keep all voice zones activated.

## 3.5 Menu



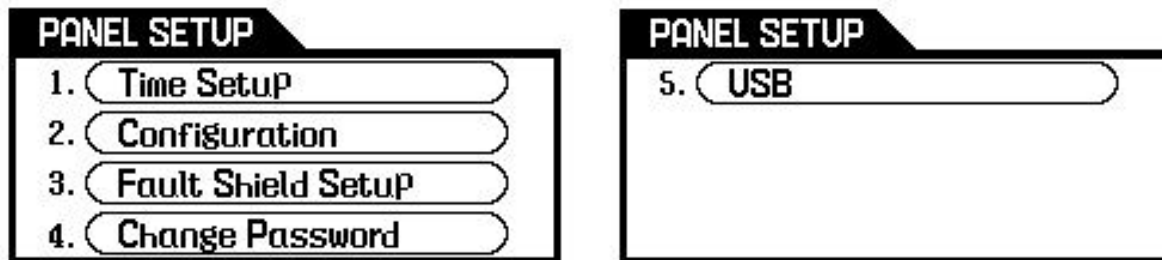
**Enter the Menu page:** Press the Menu button .

**Cursor switch:** Switch the cursor position by pressing the up and down buttons  .

**Enter the next level menu:** Press the Enter button  to enter the next -level menu at the current cursor position.

**Exit the Menu page:** Press the Cancel button  to exit.

## 3.6 Panel Setup



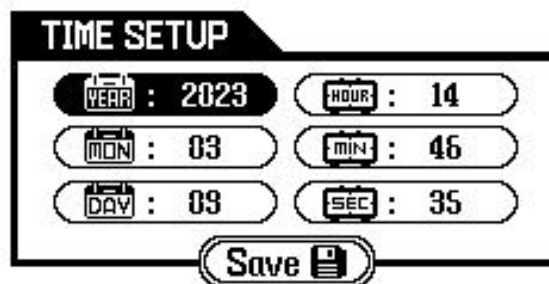
**Enter the Settings page:** Enter the main menu.

**Cursor switch:** switch the cursor position by pressing the up and down buttons  .

**Enter the next-level setting page:** press the Enter button  to enter the lower-level setting at the current cursor position.

**Exit the Settings page:** Press the Cancel button  to exit.

### 3.6.1 Time Setup



**Enter the Time Setting page:** Enter the Panel Setup menu.

**Cursor switch:** In non-input mode, use the up and down buttons   to switch the cursor position, and press the Tap button  to switch the cursor to Save or exit Save.

**Time modification:** Press the Enter button  to enter the input mode at the current cursor position, press the Enter button  again to exit the input mode at the current cursor position.

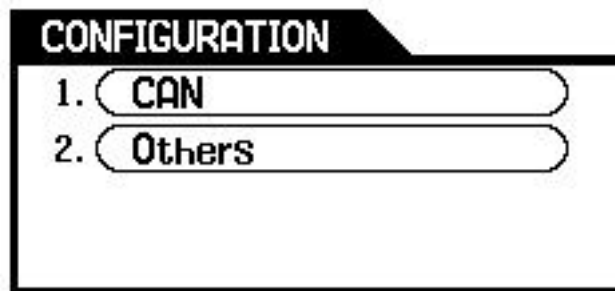
**Input mode:** In the input mode, the cursor is blinking, press the keyboard button to input, press the Delete button  to delete the wrong input information.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current time setting.

**Exit the Time Setting page:** Press the Cancel button  to exit.

## 3.6.2 Configuration

You can set the panel address, baud rate and screen saver time in the following menu. When connecting to other panels, the address of the panel to be connected must be unique, there must be no same addresses, and the baud rate must be the same.



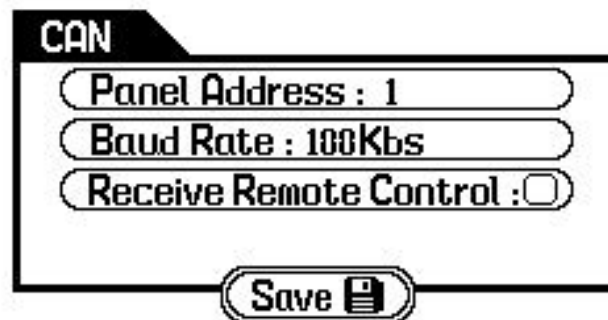
**Enter the Configuration page:** Enter the Panel Setup menu.

**Cursor switch:** switch the cursor position by pressing the up and down buttons  .

**Enter the next-level setting page:** press the Enter button  to enter the lower-level setting at the current cursor position.

**Exit the Configuration page:** Press the Cancel button  to exit.

### 3.6.2.1 CAN



**Enter the CAN page:** Enter the Configuration menu.

**Cursor switch:** switch the cursor position by pressing the up and down buttons  .

**Panel address:** When the cursor is at the panel address, press the Enter button  to enter the input mode, the cursor is blinking, press the keyboard button to input data, press the Delete button  to delete the wrong input information. Press the Enter button  again to exit the input mode at the current cursor position. (address range 8-1)

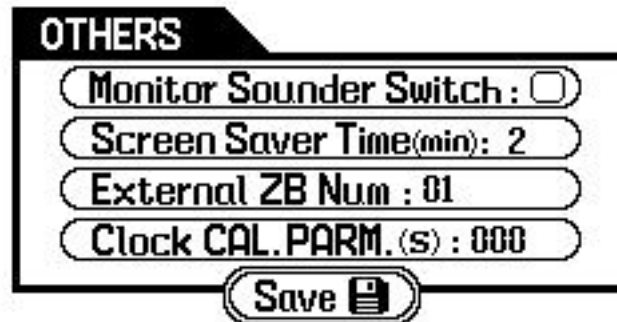
**Baud rate setting:** When the cursor is in the baud rate setting column, press the Enter button  to switch the baud rate.

**Receive Remote Control:** When the cursor moves to the current position, press the Enter button to turn on the receive control mode. After turning on, when the CAN-linked panel is reset or silenced, AW-EVC500 controller will also perform it at the same time.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the CAN Setup page:** Press the Cancel button  to exit.

## 3.6.2.2 Other



**Enter the Other page:** Enter the Configuration menu.

**Cursor switch:** switch the cursor position by pressing the up and down buttons  .

**Monitor Sounder Switch:** Monitor sounder switch, tick it to turn on monitoring speakers.

**Screen saver time:** When the cursor is at the screen saver time, press the Enter button  to enter the input mode, the cursor is blinking, press the keyboard button to input data, press the Delete button  to delete the wrong input information. Press the Enter button  again to exit the input mode at the current cursor position. (Screen saver time range 30-250 seconds)

**External ZB Num:** When the cursor is at the external Zone Board number, press the Enter button  to enter the input mode, the cursor is blinking, press the keyboard button to input value. Press the Delete button  to delete the wrong value, if you want. Press the Enter button  again to confirm and exit the input mode. (External Zone Board Number 1-99)

**Clock CAL.PARM. Setting:** This option is used to delay the offset of the system clock for one month. As an example, if the system clock is 10 seconds faster than the correct time after one month, then enter 10 seconds in this option as a way to synchronize with the correct time.

Move the cursor over the option and press Enter  to start the setting. Enter the number of seconds (0-314 seconds) by pressing the number keys and finally press Enter to confirm.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Other page:** Press the Cancel button  to exit.

## 3.6.3 Fault Shield Setup



**Enter the Fault Shield Setup page:** Enter the Panel Setup menu.

**Cursor switch:** switch the cursor position by pressing the up and down buttons  .

**UPS fault shield:** When the cursor moves to the corresponding position, press the Enter button  to disable the Unattended Power Source fault detection.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Other page:** Press the Cancel button  to exit.

## 3.6.4 Change Password



Only the account passwords of the current level and below can be changed.

**Enter Change Password page:** Enter in the Panel Setup menu.

**Cursor switch:** Press the Tab button  to switch the cursor.

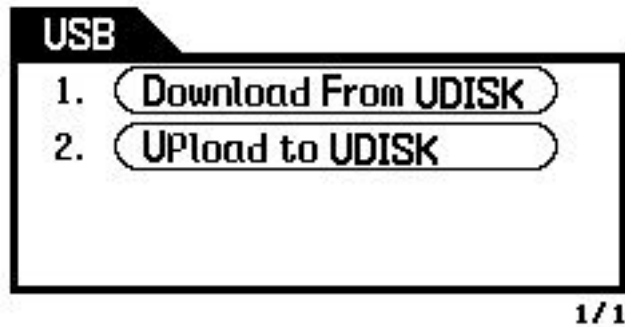
**User selection:** Select the account whose user password needs to be changed. When the cursor is on User, press the Enter button  to switch and select the account.

**New password:** When the cursor is in the password input column, press the keyboard button to input data, and press the Delete button  to delete the wrong input information.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Change Password page:** Press the Cancel button  to exit.

## 3.6.5 USB



**Enter USB page:** Enter in the Panel Setup page.

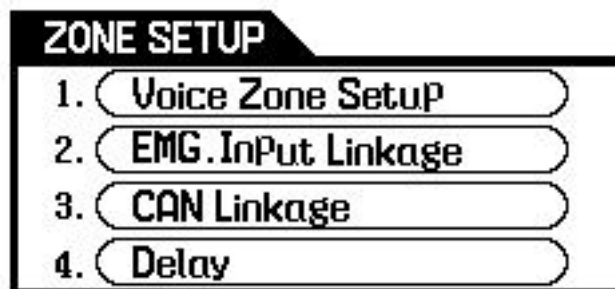
**Cursor switch:** Switch by up and down buttons .

**Download From UDISK:** When the cursor is on this option, press the Enter button  to import the files in the USB to the panel.

**Upload to UDISK:** When the cursor is on this option, press the Enter button  to export the files in the Panel to the USB.

**Exit the USB page:** Press the Cancel button  to exit.

## 3.7 Zone Setup



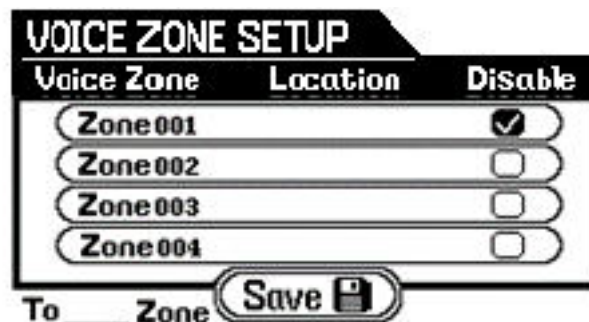
**Enter the Zone Setup page:** Enter the main menu.

**Cursor switch:** switch the cursor position by pressing the up and down buttons .

**Enter the next-level setting page:** press the Enter button  to enter the lower-level setting at the current cursor position.

**Exit the Settings page:** Press the Cancel button  to exit.

### 3.7.1 Voice Zone Setup



**Enter the Voice Zone Setup page:** Enter the setting menu.

**Cursor switch:** In the non-input state, the cursor position can be switched by pressing the up, down, left, and right buttons    . In the non-input state, press the Tab button  to switch the cursor to Save or exit Save or To Zone.

**To Zone:** Input the zone you want to go and press the Enter button  to jump the cursor to that zone.

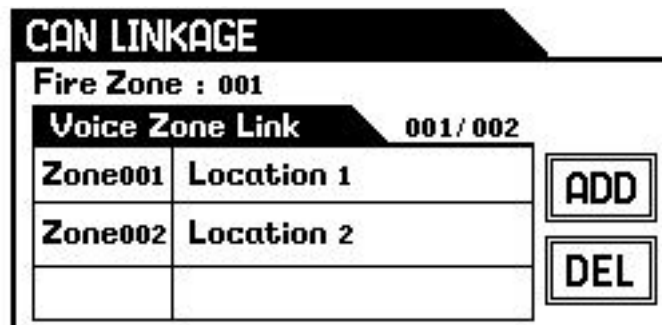
**Voice Zone location information setting:** When the cursor is at Location, press the Enter button  to enter the input mode of the current cursor position, and press the Enter button  again to exit the input mode of the current cursor position. (Location information will be used for all information display of this voice zone).

**Voice zone disable setting:** When the cursor is on Disable, enter the checkable state, and press the Enter button  to switch the disable state. (Voice zone in disable state is equal to disconnection)

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Voice Zone Setup page:** Press the Cancel button  to exit.

## 3.7.2 CAN Linkage



The image shows a screen titled 'CAN LINKAGE'. Below the title, it says 'Fire Zone : 001'. Underneath, there is a header 'Voice Zone Link' followed by '001 / 002'. Below this header is a table with two columns: 'Zone' and 'Location'. The first row shows 'Zone001' and 'Location 1'. The second row shows 'Zone002' and 'Location 2'. To the right of the table are two buttons: 'ADD' and 'DEL'.

| CAN LINKAGE               |            |
|---------------------------|------------|
| Fire Zone : 001           |            |
| Voice Zone Link 001 / 002 |            |
| Zone001                   | Location 1 |
| Zone002                   | Location 2 |
|                           |            |

The linkage setting here is used for other fire alarm panels that can be linked with the Can interface. There are 120 groups of fire alarms in other fire alarm panels, corresponding to the N-zone speakers of this device. When other panels such as: fire alarm panel 1 has a fire alarm, the voice zones 1, 2 that are ticked and linked will be activated, and the voice zones that are not ticked will not be activated.

**Enter the CAN Linkage page:** Enter in the setting menu.

**Cursor switch:** Switch the cursor position according to the button tab, and can switch up and down in the Voice zone Link table.

**State switch:** Press the Enter button  to switch the selected state of the voice zone at the current cursor position.

**Fire Zone :** Press the up and down buttons can change the current fire zone, or press the Enter button to the input mode and input the fire zone number.

**Voice zone Link:** Press the up and down buttons can adjust or check the broadcast zone that has been associated with the current fire zone. (The number in the right side of the Voice zone Link header indicates: The sequence of the linked partition shown on the page in the total linked partitions / the total number of linkage zones in the current fire zone)

**ADD:** Press the Enter button to the broadcast partition add page.

**DEL:** Press the Enter button to delete the current first linkage displayed in the Voice zone Link table.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

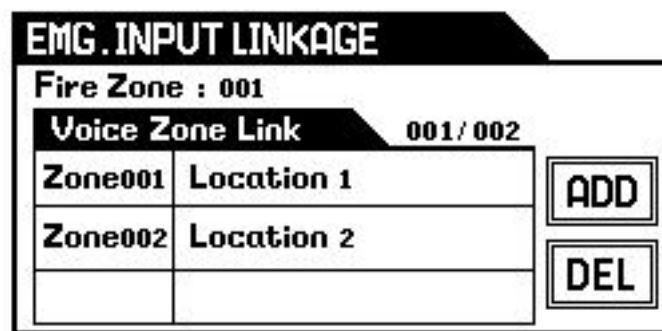
**Exit the CAN Linkage page:** Press the Cancel button  to exit.

The ADD page description: after entering the ADD page, it automatically enter the input mode. Through the # to split the added broadcast partition, the Tab to switch the cursor to save. The figure is to add linkage 1,3,8 broadcast partition for 001 fire zone.



**CAN LINKAGE**  
 Fire Zone : 001  
 Spaker Zone Link : 1#3#8  
 Save

## 3.7.3 EMG.INPUT Linkage



**EMG.INPUT LINKAGE**  
 Fire Zone : 001  
 Voice Zone Link 001/002

|         |            |     |
|---------|------------|-----|
| Zone001 | Location 1 | ADD |
| Zone002 | Location 2 |     |
|         |            | DEL |

This link is used to set the broadcast partition that needs to be activated when the local fire alarm is triggered(local 20 fire alarms, default setting is 1 to 1). Current picture shows: when local fire alarm 1 is triggered, broadcast partitions 1 and 2 are activated.

**Cursor switch:** Switch the cursor position according to the button tab, and can switch up and down in the Voice zone Link table.

**State switch:** Press the Enter button  to switch the selected state of the voice zone at the current cursor position.

**Fire Zone :** Press the up and down buttons can change the current fire zone, or press the Enter button to the input mode and input the fire zone number.

**Voice zone Link:** Press the up and down buttons can adjust or check the broadcast zone that has been associated with the current fire zone. (The number in the right side of the Voice zone Link header indicates: The sequence of the linked partition shown on the page in the total linked partitions / the total number of linkage zones in the current fire zone)

**ADD:** Press the Enter button to the broadcast partition add page.

**DEL:** Press the Enter button to delete the current first linkage displayed in the Voice zone Link table.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the EMG.INPUT Linkage page:** Press the Cancel button  to exit.

The ADD Page Description: after entering the ADD page, it automatically enter the input mode. Through the # to split the added broadcast partition, the Tab to switch the cursor to save. The figure is to add linkage 1,3,8 broadcast partition for 001 fire zone.

**EMG.INPUT LINKAGE**  
 Fire Zone : 001  
 Speaker Zone Link : 1#3#8\_

Save

## 3.7.4 Delay

**DELAY**  

| VoiceZone | DelayTime(s) | DelayOn/Off                         |
|-----------|--------------|-------------------------------------|
| Zone001   | 000          | <input checked="" type="checkbox"/> |
| Zone002   | 000          | <input checked="" type="checkbox"/> |
| Zone003   | 000          | <input checked="" type="checkbox"/> |
| Zone004   | 000          | <input checked="" type="checkbox"/> |

To 001 No
 

Save

Voice zone delay activation setting, the voice zone without delay will be activated directly when there is a fire alarm, and the voice zone with delay checked will need to wait for the countdown to complete before it will be activated. (When the countdown starts, you can see it in the Output on the homepage, press the Enter button  to skip the currently selected delay and activate it directly).

**Enter Delay page:** Enter in the Settings menu.

**Cursor switch:** In the non-input state, you can switch the cursor position by pressing the up, down, left, and right buttons    , and press the Tap button  to switch the cursor to Save or exit Save or To Zone.

**To Zone:** Input the zone you want to go and press the Enter button  to jump the cursor to that zone.

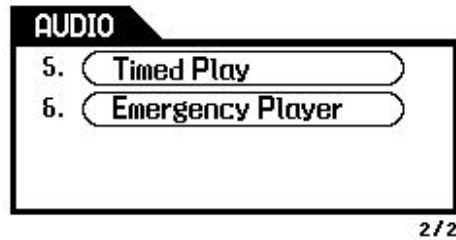
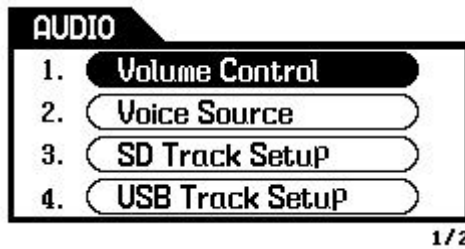
**Delay value adjustment:** When the cursor is at the position of the delay value, press the Enter button  to enter the input mode, the cursor is blinking, press the keyboard button to input data, press the Delete button  to delete the wrong input information. Press the Enter button  again to exit the input mode at the current cursor position. (Delay range 600-0 seconds)

**Delay switch:** When the cursor is in the Delay On/Off column, press the Enter button  to switch the check status of the voice zone at the current cursor position.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Delay page:** Press the Cancel button  to exit.

## 3.8 Audio



**Enter the Settings page:** Enter the main menu.

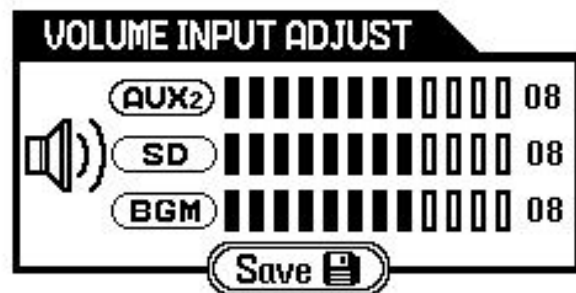
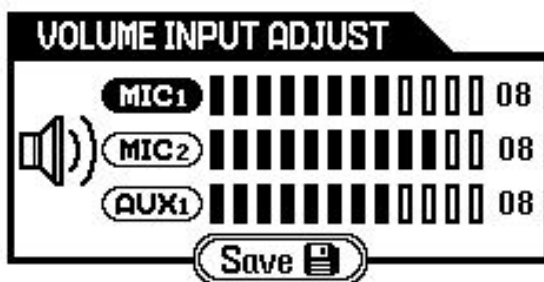
**Cursor switch:** switch the cursor position by pressing the up and down buttons .

**Enter the next-level setting page:** press the Enter button  to enter the lower-level setting at the current cursor position.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Audio page:** Press the Cancel button  to exit.

### 3.8.1 Volume Control



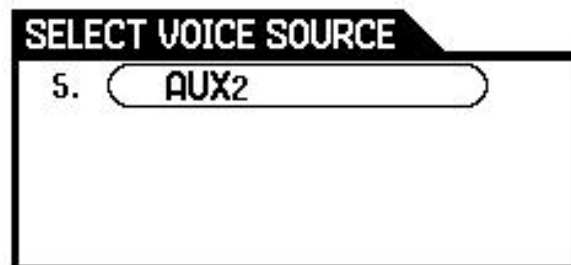
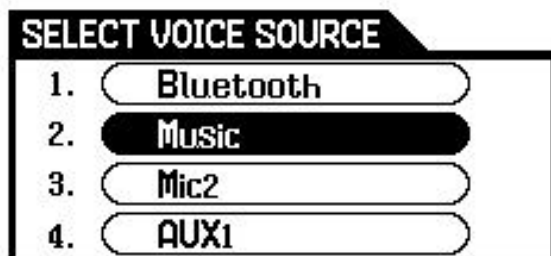
**Enter Volume control page:** Enter in the Audio page.

**Volume control setting:** Use the up, down, left, and right buttons  to switch the volume to be adjusted.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the Volume control page:** Press the Cancel button  to exit.

### 3.8.2 Voice Source



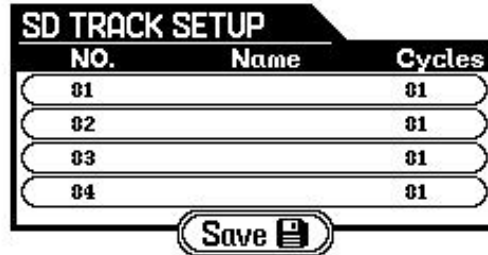
**Enter Select Voice Source page:** Enter in the Audio page.

**Audio source setting:** Use the up, down, left, and right buttons  to switch the audio source that needs to be played currently.

**Exit the Select Voice Source page:** Press the Cancel button  to exit.

## 3.8.3 SD Track Setup

The time of looping for emergency audio can be preset. The audio will be played in a preset loop when the emergency audio is triggered.



| NO. | Name | Cycles |
|-----|------|--------|
| 01  |      | 01     |
| 02  |      | 01     |
| 03  |      | 01     |
| 04  |      | 01     |

Save

**Enter SD Track Setup page:** Enter in the Audio page.

**Cursor switch:** In the non-input state, the cursor position can be switched by pressing the up, down, left, and right buttons    . Press the Tap button  to switch the cursor to Save or exit Save.

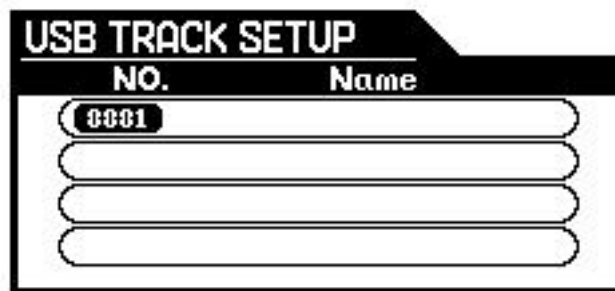
**Song ID setting:** the cursor is at the position where the song ID needs to be modified, press the Enter button  to enter the input mode, the cursor is blinking, press the keyboard button to input data, press the Delete button  to delete the wrong input information. Press the Enter button  again to exit the input mode at the current cursor position.

**Loop time setting:** the cursor is at the loop time setting position, press the Enter button  to enter the input mode, the cursor is blinking, press the keyboard button to input data, press the Delete button  to delete the wrong input information. Press the Enter button  again to exit the input mode at the current cursor position. (number of cycles range 0 - 99)

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit the SD Track Setup page:** Press the Cancel button  to exit.

## 3.8.4 USB Track Setup



| NO.  | Name |
|------|------|
| 0001 |      |
|      |      |
|      |      |
|      |      |

Save

**Enter USB Track Setup page:** Enter in the Audio page.

**Cursor switch:** In the non-input state, the cursor position can be switched by pressing the up and down buttons  . Press the Tap button  to switch the cursor to Save or exit Save.

**Song ID setting:** the cursor is at the position where the song ID needs to be modified, press the Enter button  to enter the input mode, the cursor is blinking, press the keyboard button to input data, press the Delete button  to delete the wrong input information. Press the Enter button  again to exit the input mode at the current cursor position.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

Exit the USB Track Setup page: Press the Cancel button  to exit.

## 3.8.5 Timed Play

| TIMED PLAY |       |      |                                     |
|------------|-------|------|-------------------------------------|
| NO.        | Time  | Name | On/Off                              |
| 01         | 08:00 | 001  | <input checked="" type="checkbox"/> |
| 02         | 08:30 | 000  | <input type="checkbox"/>            |
| 03         | 09:00 | 000  | <input type="checkbox"/>            |
| 04         | 09:30 | 000  | <input type="checkbox"/>            |

To \_\_\_ No 

Enter Timed Play page: Enter in the Audio page.

Cursor switch: In the non-input state, the cursor position can be switched by pressing the up and down buttons  . Press the Tap button  to switch the cursor to Save or exit Save.

Configuration saving: When the cursor is on Save, press the Enter button  to save the current settings.

Exit the USB Track Setting page: Press the Cancel button  to exit.

### 3.8.5.1 Alarm Setting

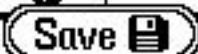
| TIMED PLAY             |  |
|------------------------|--|
| Time: 08:00            |  |
| Cycle Week: 1, 2, 3, 4 |  |
| Music number: 1        |  |



Enter sub-menu: Go to the timed play page, move the cursor to the "Time" and press Enter  to enter the sub-menu.

Alarm setting: Move the cursor to the "Time" option and press Enter  to enter input mode. Input a number on the numeric keyboard and press Enter  to exit input mode.

| TIMED PLAY                                    |                                   |
|-----------------------------------------------|-----------------------------------|
| Monday <input checked="" type="checkbox"/>    | Friday <input type="checkbox"/>   |
| Tuesday <input checked="" type="checkbox"/>   | Saturday <input type="checkbox"/> |
| Wednesday <input checked="" type="checkbox"/> | Sunday <input type="checkbox"/>   |
| Thursday <input checked="" type="checkbox"/>  |                                   |



Cycle Week Setting: Move the cursor to "Cycle Week" option, press Enter  to enter its sub-menu, check/uncheck these options in week 1-7, and finally press "Tab" to save and exit the sub-menu.

Audio serial number setting: The serial number here corresponds to the audio serial number under the

"SD Track Setup" menu. For example: if you set 5 here, then the fifth music in the SD card will be played when the alarm time comes. Here is the method to set it: Move the cursor to the "Music number" option, and press Enter  to enter the input mode. Input the number on the numeric keyboard, and finally press Enter  to exit the input mode.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

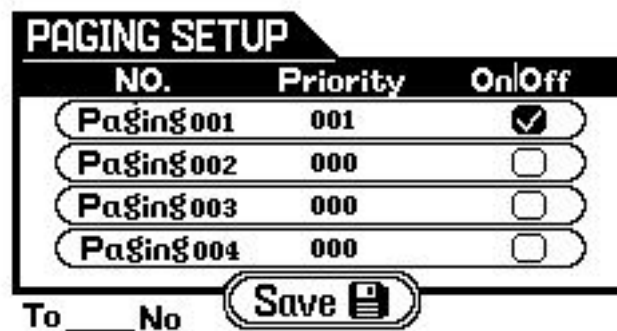
**Exit the sub-menu:** Press the Cancel button  to exit.

## 3.8.6 Emergency play



In case of emergency, it is automatically triggered to jump to this page, and the emergency playback song can be switched by pressing the left and right buttons  , and the single song will be looped after switching.

## 3.9 Paging Setup



**Enter Paging page:** Enter in the main menu.

**Cursor switch:** In the non-input state, the cursor position can be switched by pressing the up, down, left, and right buttons    . In the non-input state, press the Tap button  to switch the cursor to Save or exit Save.

**Paging priority setting:** When the cursor is in Priority, press the Enter button  to enter the input mode at the current cursor position, press the Enter button  again to exit the input mode at the current cursor position. (For Paging priority setting, the smaller the value, the higher the priority, the priority ranges from 1 to 15. The MIC of a high-priority Paging can interrupt the MIC of a low-priority Paging).

**Paging activation setting:** When the cursor is on/off, enter the checkable state, press the Enter button to switch the Paging on/off state.

**Configuration saving:** When the cursor is on Save, press the Enter button  to save the current settings.

**Exit Paging page:** Press the Cancel button  to exit.

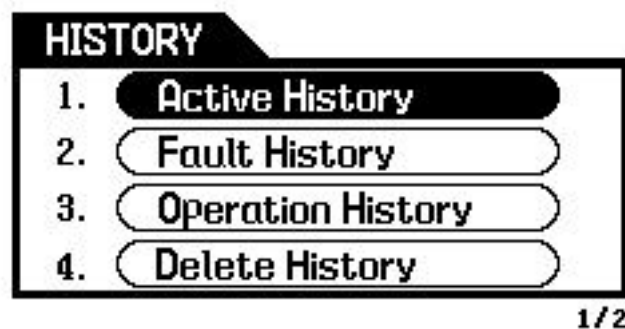
## \*Notes on Priority:

Between the panel and Paging, the panel has the highest priority, and the operation of the panel will automatically interrupt Paging.

Between two Pagings: The priority of the USB MP3 playing of Paging is always lower than the microphone's priority. Any Paging's microphone activation can interrupt Paging's MP3 playing.

The microphone priority between Pagings is based on the panel settings. For example, the priority of Paging1 is set to 1, and the priority of Paging2 is set to 2. When Paging 1's microphone is active, Paging 2 will not be active. If Paging 2 is activated before Paging 1 activates its microphone, Paging2 will be deactivated.

## 3.10 History menu



**Enter History Menu page:** Enter in the main menu.

**Cursor switch:** Switch the cursor position by pressing the up and down buttons  .

**Enter the next menu page:** Press the Enter button  in History to enter the history menu page at the current cursor position.

**Exit History Menu page:** Press the Cancel button  to exit.

### 3.10.1 Active history

001 Jan 1st 2023 12:42 Voice Zone03 Acti  
ve

Active History 001 / 001

**Enter Active History page:** Enter in the History page.

**Record switch:** switch and activate the record display by pressing the up and down buttons   (the maximum number of records can be stored is 999, and each time the storage reaches the upper limit, the first 25 records will be automatically deleted).

**Exit the Active History page:** Press the Cancel button  to exit.

## 3.10.2 Fault history

001 Jan 1st 2023 12:42 Voice Zone01 Output Open

**Fault History** 001 / 001

**Enter Fault History page:** Enter in the History page.

**Record switch:** Switch the fault record display by pressing the up and down buttons   (the maximum number of records can be stored is 999, and each time the storage reaches the upper limit, the first 25 records will be automatically deleted).

**Exit the Fault History page:** Press the Cancel button  to exit.

## 3.10.3 Operation history

001 Jan 1st 2023 12:42 Panel Emergency

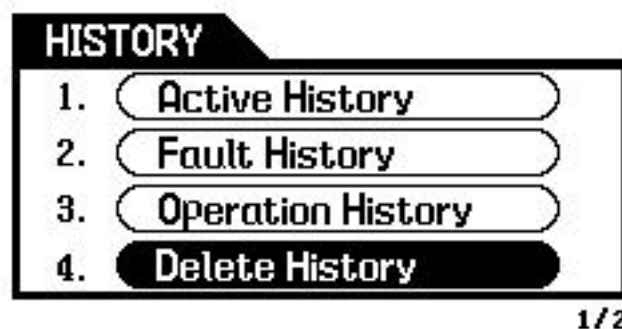
**Operation History** 001 / 001

**Enter Operation History page:** Enter in the History page.

**Record switch:** Switch the fault record display by pressing the up and down buttons   (the maximum number of records can be stored is 999, and each time the storage reaches the upper limit, the first 25 records will be automatically deleted).

**Exit the Operation History page:** Press the Cancel button  to exit.

## 3.10.4 Delete history



**Enter Delete History page:** Enter in the History page.

**Record switch:** switch the operation record display by pressing the up and down buttons  .

**Clear history:** When the cursor is on Clear History, press Enter button  to clear all history information.

**Exit the Delete History page:** Press the Cancel button  to exit.

## 3.11 Version

| Board         | Version |
|---------------|---------|
| Main Board    | V 1.0.0 |
| IB Board      | V 1.0.0 |
| Zone Board 01 | V 1.0.0 |
|               |         |

001 / 001

**Version View Page:** allows you to view the current version of the main panel, back panel and the partitions it is connected to. The up and down buttons are used to turn the page.

**Enter Version page:** Choose item 6 of the menu.

**Exit Version page:** Press the Cancel button  to exit.

## 3.12 Factory reset

When the cursor is on the factory reset, press the Enter button  to restore the factory defaults.

## 4 Operating Authority

**L1:** You can only see basic operations such as homepage information.

**L2:** Can see MP3 details page, monitor volume, history page operation, and all permissions of L1.

**L3:** Can see setting page, USB menu operation, and all permissions of L2.

| Operation             | Normal | Admin | Super-Admin |
|-----------------------|--------|-------|-------------|
| Home view             | ✓      | ✓     | ✓           |
| MP3 page              | ✓      | ✓     | ✓           |
| Login page            | ✓      | ✓     | ✓           |
| Voice Zone page       | ✓      | ✓     | ✓           |
| Menu page             | ✓      | ✓     | ✓           |
| Panel Setup page      | ✗      | ✗     | ✓           |
| Time Setup page       | ✗      | ✗     | ✓           |
| Voice Zone Setup page | ✗      | ✗     | ✓           |
| CAN Linkage page      | ✗      | ✗     | ✓           |
| Delay page            | ✗      | ✗     | ✓           |
| Change Password page  | ✗      | ✗     | ✓           |
| Configuration page    | ✗      | ✗     | ✓           |
| Factory Reset page    | ✗      | ✗     | ✗           |
| Audio page            | ✓      | ✓     | ✓           |
| Volume Control page   | ✓      | ✓     | ✓           |
| SD Track Setup page   | ✗      | ✗     | ✓           |
| USB Track Setup page  | ✗      | ✗     | ✓           |
| Timed Play page       | ✗      | ✗     | ✓           |

|                               |   |   |   |
|-------------------------------|---|---|---|
| <i>History page</i>           | ✓ | ✓ | ✓ |
| <i>Active History page</i>    | ✓ | ✓ | ✓ |
| <i>Fault History page</i>     | ✓ | ✓ | ✓ |
| <i>Operation History page</i> | ✓ | ✓ | ✓ |
| <i>Clear History page</i>     | ✗ | ✗ | ✗ |
| <i>USB page</i>               | ✗ | ✗ | ✓ |

## 5 Installation Instructions

### 5.1 Installation Notes

- *The panel should be installed on a dry and flat wall, keeping sight height and horizontal position, so as to ensure the balance of the panel.*
- *The panel should not be installed in a closed environment or near a heat source.*
- *Make sure the installation environment is dry, free of debris and extreme temperature.*
- *When connecting the power wires, please make sure that the main power supply has been cut off, and do not operate with power on.*

### 5.2 Interface Description

- *CAN*  
*To connect to the CAN interface of other fire panels, a 120R resistor needs to be connected in parallel.*
- *AUX IN*  
*AUX audio input interface, which can be connected to an external front audio output.*  
*Input sensitivity: 360MV±50mV*
- *PER OUT*  
*PER audio output interface.*
- *Fire Relay*  
*Fire alarm output interface, when there is a fire alarm, the NO port is closed, and the NC port is disconnected.*
- *Fault Relay*  
*Fault output interface, when there is a fault, the NO port is closed, and the NC port is disconnected.*
- *Fire Trigger Inputs 1-20 Zones*  
*The device has 20 fire alarm interfaces.*

### 5.3 Use Instructions

#### 5.3.1 SD card and USB instructions

- 1) *The format is FAT32, and the capacity is ≤16G*
- 2) *It will play the SD card music when alarming, and play the music in the USB in normal times (the default audio has been stored in the SD card when it leaves the factory, and it can be replaced according to the actual situation)*
- 3) *When storing music, you need to name the song with 0001, 0002 and so on.*
- 4) *The order of the songs will be sorted according to the order in which the files are copied into the SD card (USB)*
- 5) *The SD card stores a fixed alarm audio by default, which can be changed according to the actual situation.*

---

### 5.3.2 Speaker Using Instructions

*Only supports constant pressure speakers.*

## 6 Maintenance

*6.1 The control panel should be kept dry. If the control panel becomes dirty, wipe it with a dry cloth to ensure that no water enters the case.*

*6.2 System testing can only be carried out by trained personnel, and appropriate isolation measures must be taken to avoid accidental losses.*

*6.3 Before the test starts, please notify all members in the area.*

*6.4 Be careful when removing cables.*

*6.5 The battery should be checked regularly.*

## 7 Installation Information

Installer: \_\_\_\_\_ Company: \_\_\_\_\_

Tel: \_\_\_\_\_ Add: \_\_\_\_\_

Date: \_\_\_\_\_ Serial No.: \_\_\_\_\_