



Network Paging Station

User Manual

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Symbol Conventions

The symbols that may be found in this document are defined as follows.




Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter 1 Activation

You should activate the device before the first login. After powering on the device, the system will switch to Device Activation page.

Activation via the device, SADP tool and the client software are supported.

The default values of the device are as follows:

- The default IP address: 192.0.0.64
- The default port No.: 8000
- The default user name: admin

1.1 Activate via Device

If the device is not activated, you can activate the device after it is powered on.

On the Activate Device page, create a password and confirm the password. Tap **Activate** and the device will be activated.

Caution

- The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
 - Proper configuration of all passwords and other security settings is the responsibility of the service provider and/or end-user.
 - Do not contain following characters in the password: the user name, 123, admin (case-insensitive), 4 or more continuously increasing or decreasing digits, or 4 or more consecutively repeated characters.
 - Password cannot contain words such as hik, hkws, and hikvision (case insensitive).
-

1.2 Activate via Web Browser

You can activate the device via the web browser.

Steps

1. Enter the device default IP address (192.0.0.64) in the address bar of the web browser, and press **Enter**.

 **Note**

Make sure the device IP address and the computer's should be in the same IP segment.

2. Create a new password (admin password) and confirm the password.
-

 **Caution**

- The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
 - Proper configuration of all passwords and other security settings is the responsibility of the service provider and/or end-user.
 - Do not contain following characters in the password: the user name, 123, admin (case-insensitive), 4 or more continuously increasing or decreasing digits, or 4 or more consecutively repeated characters.
 - Password cannot contain words such as hik, hkws, and hikvision (case insensitive).
-

3. Click **Activate**.
4. Edit the device IP address. You can edit the IP address via the SADP tool, the device, and the client software.

Chapter 2 Local Configuration

2.1 Parameters Settings

2.1.1 Set Network Parameters

Network connection is mandatory for the use of the device. Set the network parameters after activating the device. Only when the IP address of the device is in the same network segment as other devices, it can work properly in the same system.

Two ways are available for you to set IP address: DHCP, and set IP address manually.

Steps



The default IP address of the device is 192.0.0.64.

1. Tap **Param** and enter the device password (activation password) and tap **OK**.
2. Tap **Network**.

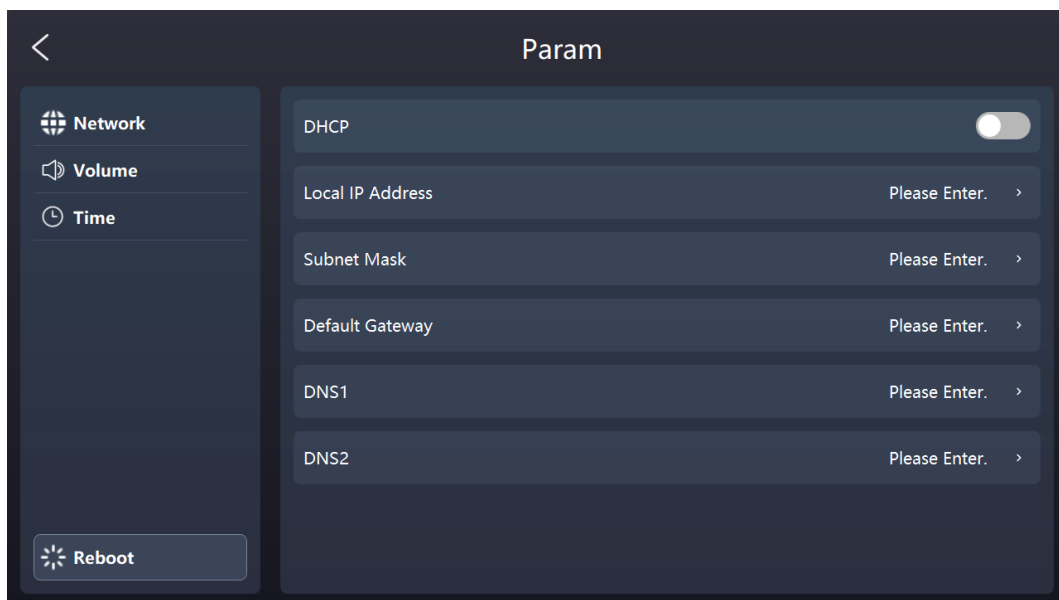


Figure 2-1 Network Settings

3. Edit the network parameters.
 - Disable **DHCP** and set the **Local IP Address**, **Subnet Mask**, **Gateway** and DNS address manually.
 - Enable **DHCP**, then the device can search and get an IP address automatically.

2.1.2 Set Device Volume

Steps

1. Tap **Param** and enter the device password (activation password) and tap **OK**.
2. Tap **Volume**.

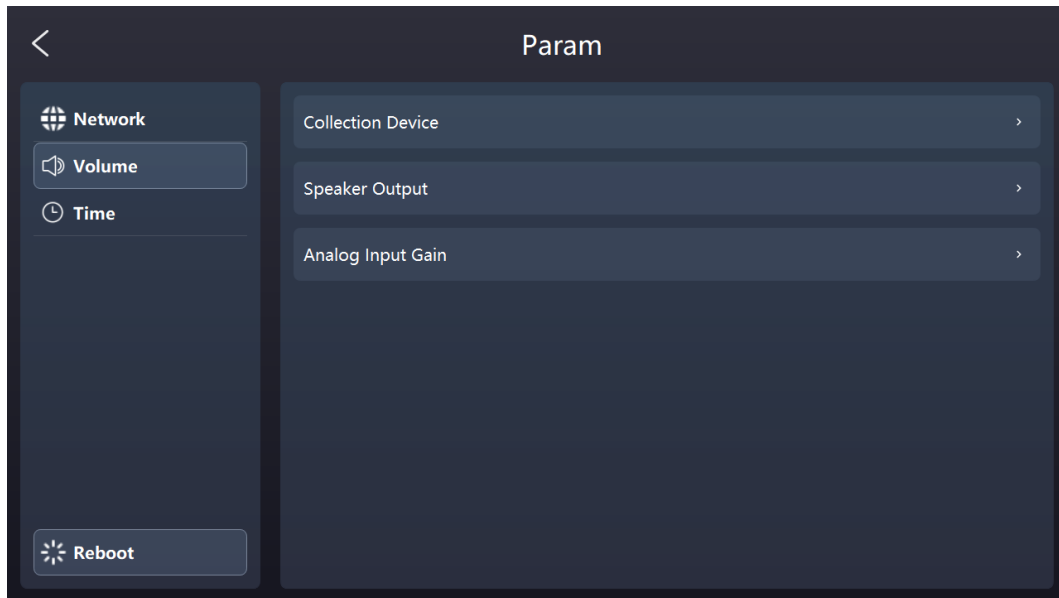


Figure 2-2 Volume Settings

3. Set the network parameters.

Collection Device

You can set the microphone volume, such as Built-in MIC, handset MIC, Gooseneck MIC, and 3.5mm Input.

Speaker Output

You can set the speaker's volume, such as local speaker, handset speaker, and USB speaker..

Analog Input Gain

Set the Analog input gain volume, such as built-in MIC, handset MIC, 3.5mm input, gooseneck MIC, and AEC REF.

Note

- The connection device's volume is used to adjust the volume of device audio input and output.
 - The analog input gain volume is used to adjust the volume when broadcasting and two-way audio. The AEC REF is only for two-way audio.
-

2.1.3 Synchronize Device Time

Steps

1. Tap **Param** and enter the device password (activation password) and tap **OK**.
2. Tap **Time**.

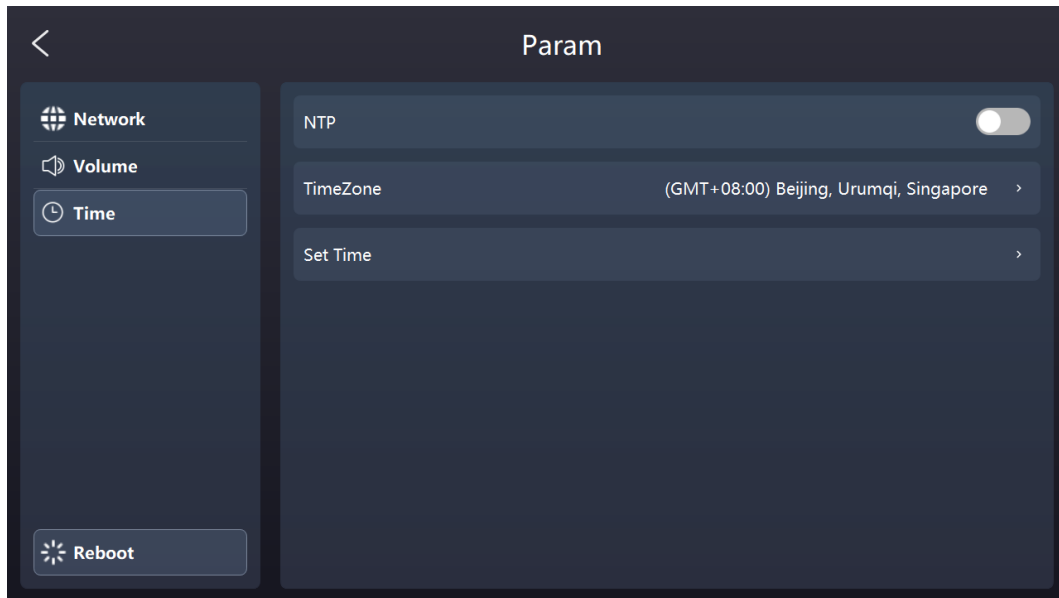


Figure 2-3 Time Settings

3. Select **Time Zone**
4. Synchronize time.
 - Tap **Set Time** and configure the date and time manually.
 - Enable the **NTP** function.
Set the synchronizing interval, enter the IP address of NTP server and port No.

2.1.4 Reboot Device

Steps

1. Tap **Param** and enter the device password (activation password) and tap **OK**.
2. Tap **Reboot** and reboot the device.

2.2 Console

2.2.1 Adjust Volume

Tap **Console** and select a channel. Tap  to adjust the channel's volume.

2.2.2 Play Audio

Steps

1. Tap **Console**.
2. Select a channel and tap **Play Audio**.

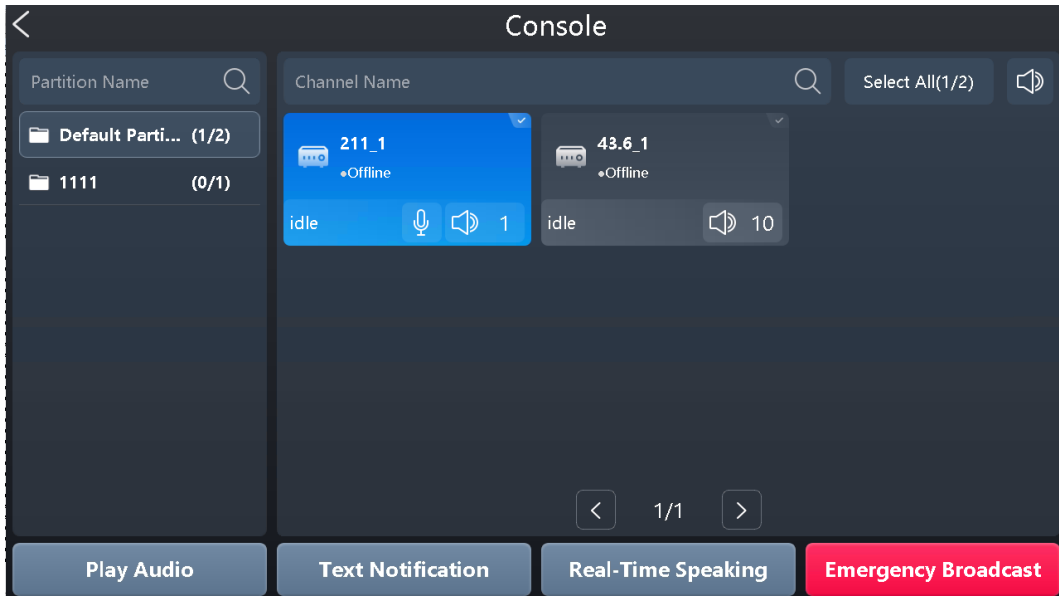


Figure 2-4 Console

3. Select an audio file from the library.

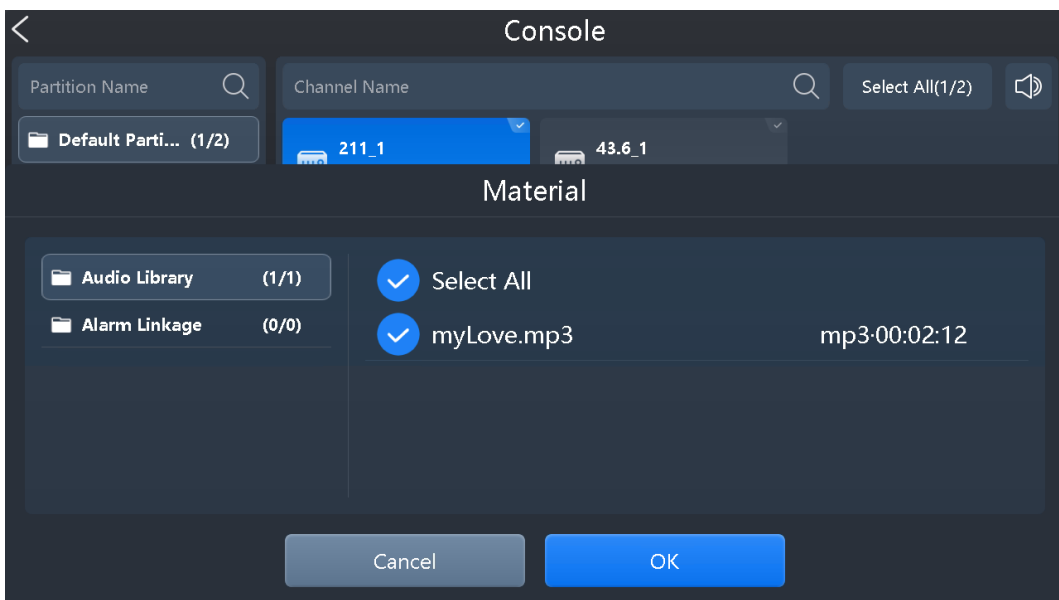










Figure 2-5 Select Audio File

4. Tap **OK**.
5. (Optional) You can also do the following operations.

Button	Descriptions
--------	--------------

	Previous
	Next
	Play
	Pause
	Single Loop
	Sequential
	Volume Control
	Silent

2.2.3 Text Notification

Steps

1. Tap **Console**.
2. Select a channel and tap **Text Notification**.

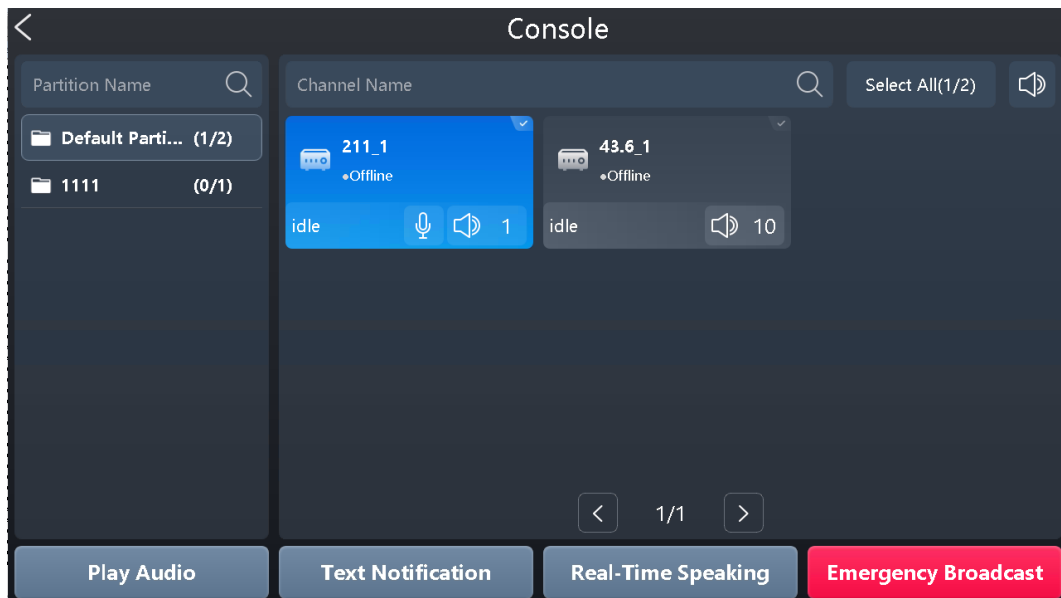


Figure 2-6 Console

3. Enter the content.

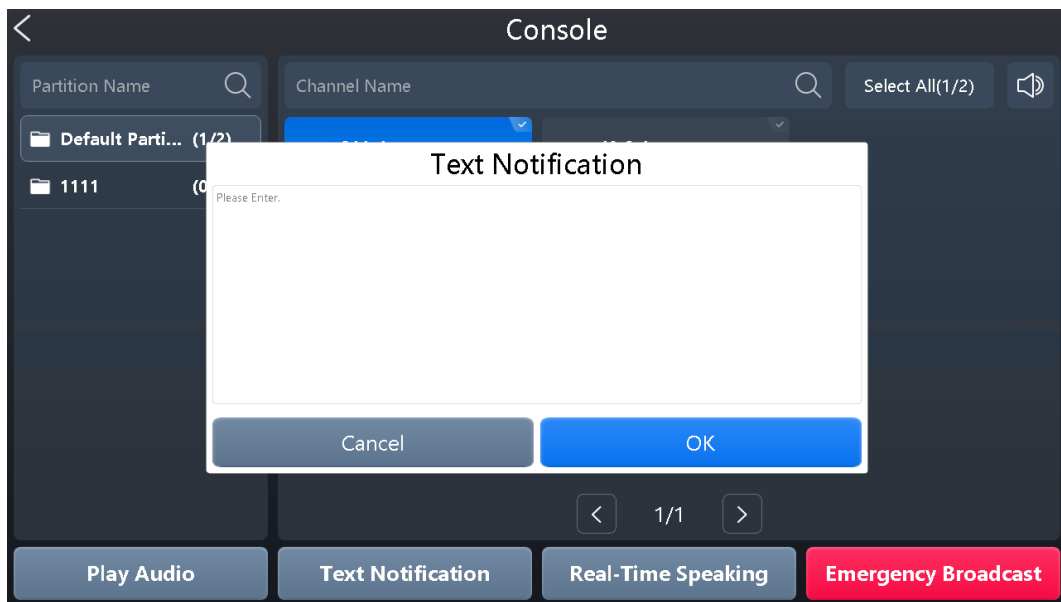


Figure 2-7 Edit Content

4. Set playing times.
5. Tap **OK**. The speaker will play the content for the configured times.

2.2.4 Real-Time Speaking

Steps

1. Tap **Console**.
2. Select a channel and tap **Real-Time Speaking**. The speaker will play the real-time speaking.

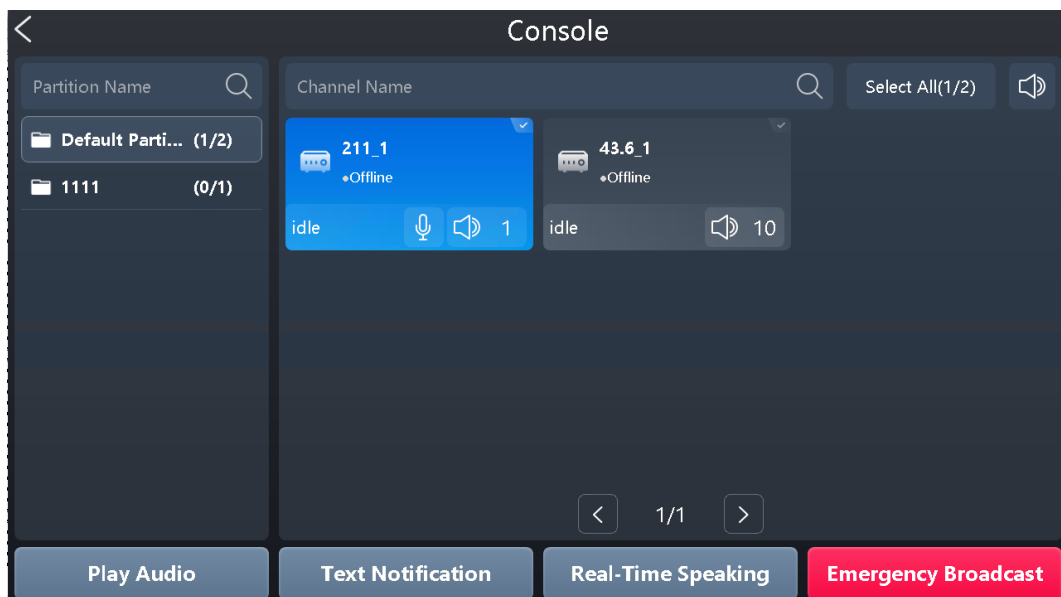



Figure 2-8 Console

3. (Optional) Tap +/- to adjust the volume.
4. (Optional) Tap **Pause** to pause the speaking.
5. (Optional) Tap **Stop** to end the function.
6. (Optional) Tap  an you can set the Equalizer's parameters. It supports high-pass and low-pass filter adjustments, and adjusting the frequency, bandwidth, and gain of the output signal.

2.2.5 Emergency Broadcast

Steps

1. Tap **Console**.
2. Select a channel and tap **Emergency Broadcast**. The speaker will play the emergency speaking.

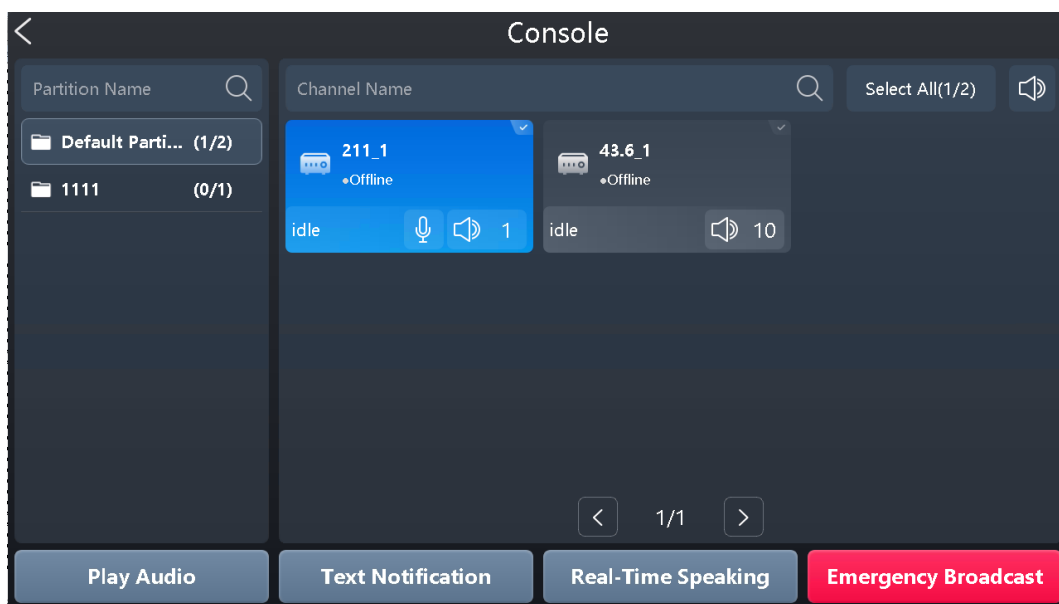



Figure 2-9 Console

3. (Optional) Tap +/- to adjust the volume.
4. (Optional) Tap **Pause** to pause the speaking.
5. (Optional) Tap **Stop** to end the function.
6. (Optional) Tap  an you can set the Equalizer's parameters. It supports high-pass and low-pass filter adjustments, and adjusting the frequency, bandwidth, and gain of the output signal.

2.3 Partition Settings

Steps

1. Tap **Partition**.

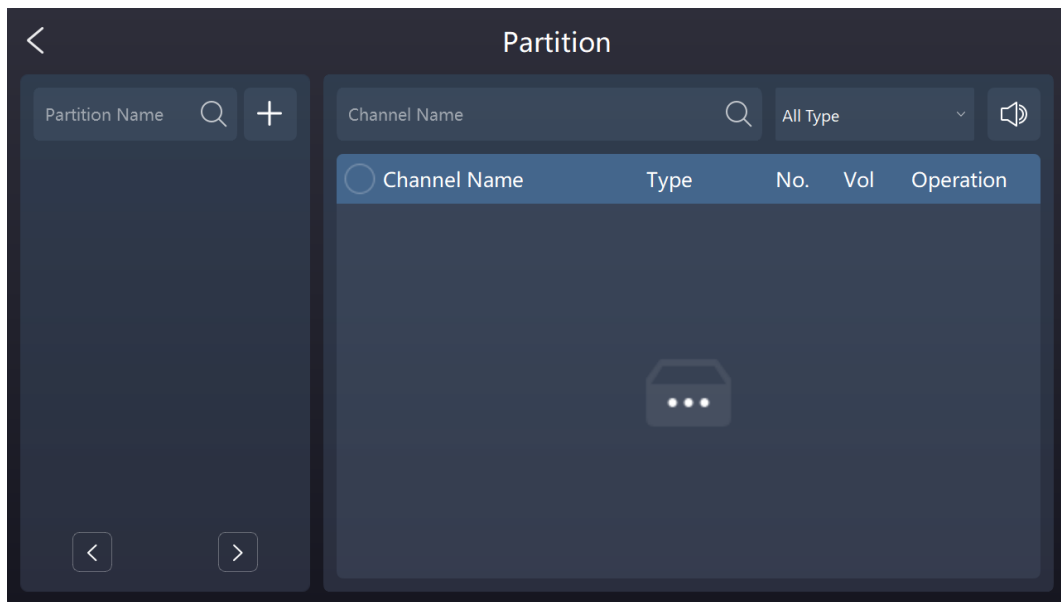








Figure 2-10 Partition

2. Tap **+** on the left.
3. Enter the partition name.
4. Tap **OK**.
5. (Optional) You can also do the following operations.

Button	Description
	Edit the partition's name.
	Delete the partition.

6. (Optional) Set a broadcast channel (except the default partition).
 - 1) Select a partition. Tap **+** on the right.
 - 2) Check the channels that need to add to the partition.
 - 3) Tap **OK**.
 - 4) (Optional) Tap  to delete a single channel. Or check multiple channels and tap  on the right corner to batch delete the channels.
 - 5) (Optional) Tap  to adjust the channel's volume. Or check multiple channels and tap  to adjust volumes in batch.

2.4 Material

Steps

1. Tap **Material**.

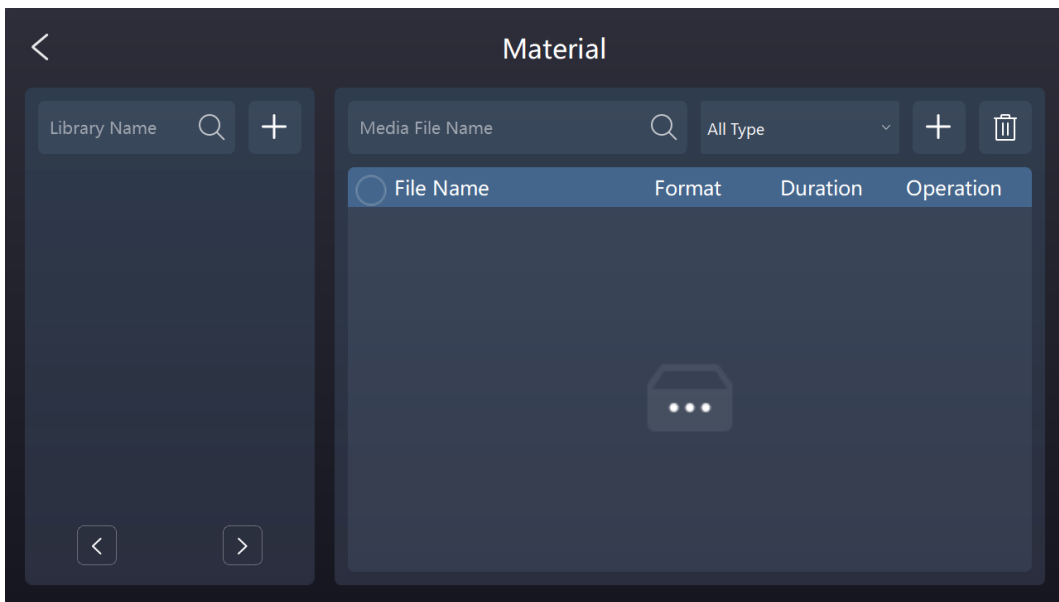


Figure 2-11 Material

2. Tap + on the left.

2.5 Scheduled Broadcast

Add scheduled broadcast task, and the device will broadcast follow the schedule.

Steps

1. Tap **Schedule**.
2. Tap +, and create a broadcast plan.

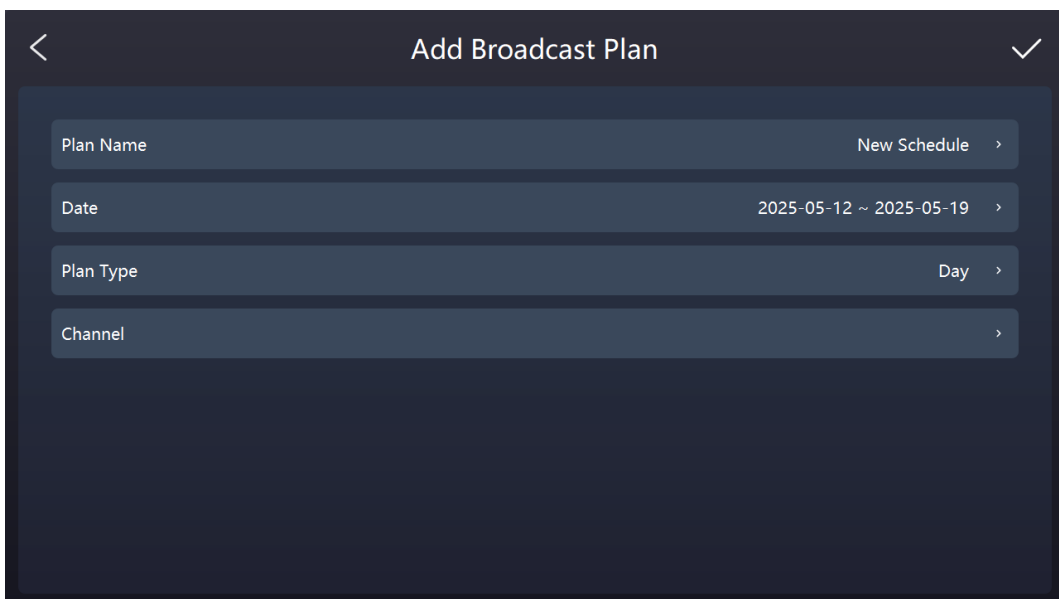


Figure 2-12 Add Broadcast Plan

2. Set plan name.
3. Select a plan type.
 - Day: The broadcast will be played at the specified time every day.
 - Week: The Broadcast will be played at the specified time every week.
4. Set start time and end time.
5. Select channel for play.
6. Tap to finish adding.
7. Tap + to add execution period.

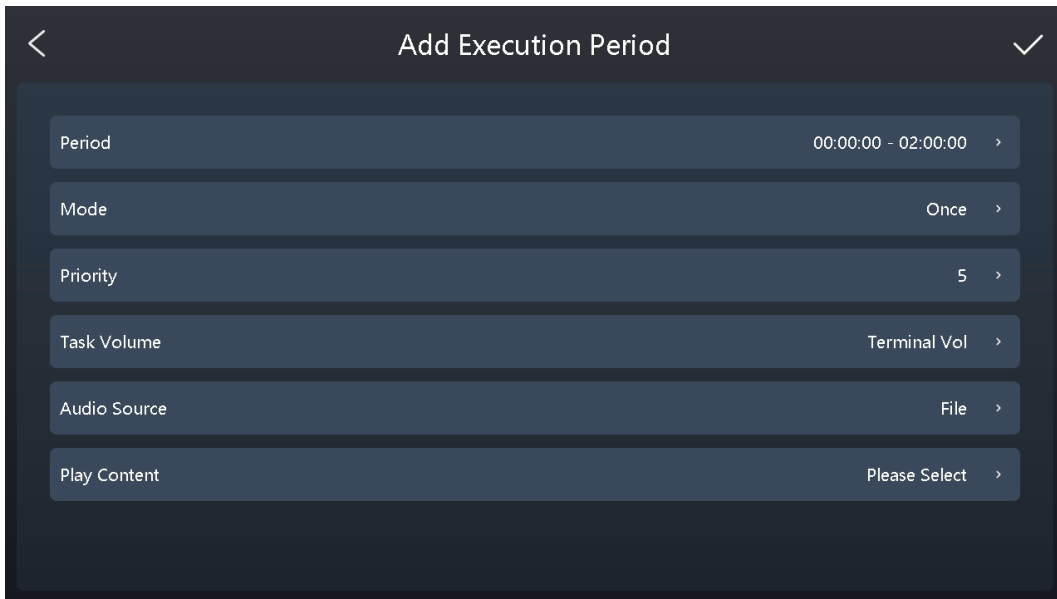


Figure 2-13 Add Broadcast Execution Duration

- 1) Select **Period**.
- 2) Select **Mode**.

Once

Play in the order of audio list. Each audio will be played only once.

Loop

Repeat in order.

 **Note**

When selecting task type as week schedule, you need to select cycle period.

- 3) Adjust the priority.

 **Note**

Range: 0 to 15.

- 4) Adjust task volume.
- 5) Select audio source as the playing file

File

Drag and drop the blue bar on the time line, click **Advanced Configuration**, select **Audio File**, and click + to add audio source file in the material library to play.

Speech Synthesis


Drag and drop the yellow bar on the time line, click **Advanced Configuration**, select **Voice Composition**, enter voice content, and select the parameters to broadcast to male or female.

 **Note**

The following rules apply to the content of voice text:

- Punctuation mark will affect the semantics of pronunciation. Please use punctuation mark correctly. Please view the help for using rules of numbers, Chinese and English.
 - Number Reading Settings [n1][n2]: The default setting is active judgement. Adding [n1] before a number reads as a number, and adding [n2] before a number reads as a numerical value.
 - Word Pronunciation Settings [h1][h2]: The default setting is active judgement. Adding [h1] before a word reads as letters of the word, and adding [h2] before a word reads as the word.
 - English Pronunciation Settings for Number 0[o0]/[o1]: The default [o1] number 0 is pronounced as zero in English. Adding [o0] before the sentence reads as o. The number 0 will only take effect when read as a number, i.e. marking as [n1]. When processed as a numerical value 0, marking as [n2], it will be affected by the marking n, and read as a numerical value.
-

6) (Optional) If select Week, you should set the time.

8. (Optional) If select Week, you can tap  to copy the plan of the current day to other days in the week.

2.6 Device Management

You can add, edit, and delete the linked device. After adding, you can view the device name, type, IP address, port No., status, and operate the linked device.

Steps

1. Tap **Device**.

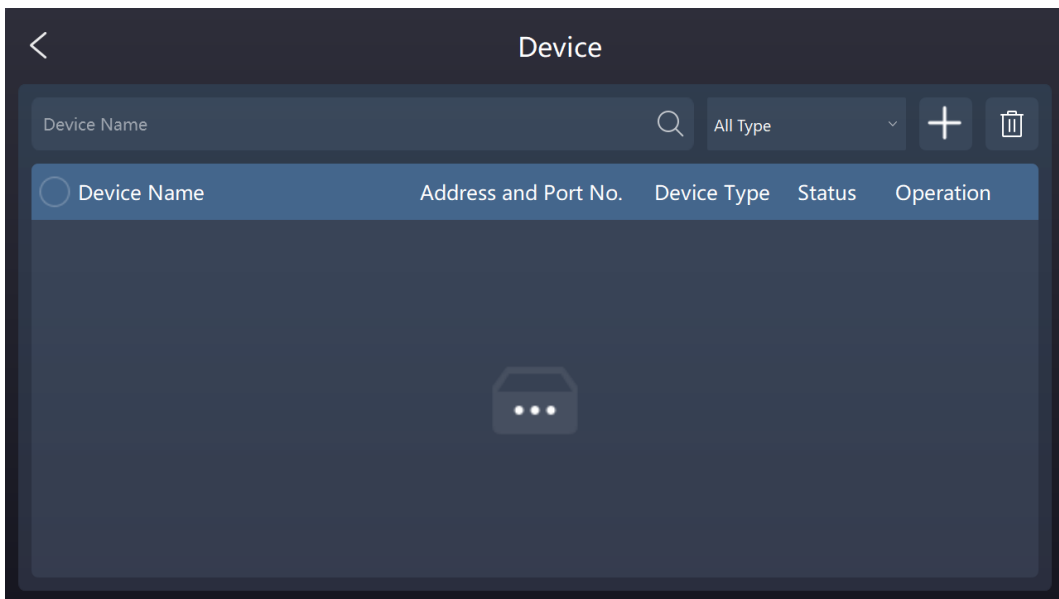


Figure 2-14 Device

2. Tap +.
3. Select **Device Type**, and enter the device **Name**, **IP Address**, **Port No.**, **Device User**, and **Device Password**.
4. Tap to finish adding.
5. (Optional) You can do the following operations.

Edit Device Tap to edit the device information.

Delete Device Delete single device: Tap on the single list.
Batch Delete: Check the devices and tap at the upper right corner.


Apply Paging microphone The linked device of paging microphone, such as speaker, can be applied locally. After adding the paging microphone or its linked devices, tap and select partition/channel or audio file to apply.

Clear Material and Plan Tap to clear the material and plans on the device.

Chapter 3 Operation via Web Browser

3.1 Quick Operation

3.1.1 Time Settings

Click  in the top right of the web page to enter the wizard page. After setting device language, you can click **Next** to enter the **Time Settings** page.

Time Zone

Select the device located time zone from the drop-down list.

Time Sync.

NTP

You should set the NTP server's IP address, port No., and interval.

Manual

By default, the device time should be synchronized manually. You can set the device time manually or check **Sync. with Computer Time** to synchronize the device time with the computer's time.

Server Address/NTP Port/Interval

You can set the server address, NTP port, and interval.

DST

You can view the DST start time, end time and bias time.

Click **Next** to save the settings and go to the next parameter. Or click **Skip** to skip time settings.

3.2 Login

You can login via the web browser or the remote configuration of the client software.

Note

Make sure the device is activated. For detailed information about activation, see **[Activate via Web Browser](#)**.

Enter the device IP address in the address bar of the web browser and press **Enter** to enter the login page.

Enter the device user name and the password. Click **Login**.

Note

5 failed password entering will lock the device. You should try again after 30 min.

3.3 Overview

You can view linked devices, network status and basic information.



Figure 3-1 Overview Page

Function Descriptions:

Network Status

You can view the connected and registered status of wired network, and wireless network.

Basic Information

You can view the model, serial No. and firmware version.

3.4 Device Management

You can manage the linked device on the page.

Click **Device Management** to enter the settings page.



Figure 3-2 Device Management

3.4.2 Add Device

You can add the devices one by one or batch adding the devices.

- **Single Adding:** Click **Add** to add the IP speaker, network power amplifier, or paging microphone. Set the parameters and click **Save**.
- **Batch Adding:** Click **Import**. Enter the information of the device in the template to import devices in batch.

3.4.3 Export

Click **Export** to export the information to the PC.

3.4.4 Delete

Select the device and click **Delete** to remove the selected device from the list.

3.4.5 Apply SIP Phone

Click **Apply SIP Phone**.

The linked device of paging microphone, such as speaker, can be applied via web. After adding the paging microphone or its linked devices, check SIP phone, and click **Apply SIP Phone**, select material or channel to apply.



3.4.6 Send Record

Click **Send Record**. And you can view the applying records of SIP phone application.

3.4.7 Refresh

Click **Refresh** to get the device information.


3.4.8 Other Device Settings



- Click  to edit device information.
- Click  to delete device information from the list.

3.4.9 Set Partition and Linked Devices

Set partition and broadcast channel for the device management.

Steps

1. Click **Partition**.
2. Click  and create a partition name to add a partition in the left list.

You can also click  or  to edit or delete the partition.

1. Click **Batch Add Broadcast Channel** and select the broadcast channel. Tap **OK** to link the device.
2. (Optional) Tap **Adjust Volume** to adjust the linked device volume.
3. (Optional) Tap **Delete** to delete the linked device.

3.4.10 System Settings

View Device Information

Click **Configure** → **System** → **System Configuration** → **Basic Information** to enter the configuration page.

View the device name, No., model, serial No., and version.

Set Time

Set the device's time zone, synchronization mode, server address, NTP port, and interval.

Click **Configure** → **System** → **System Configuration** → **Time Settings**.

Device Time

Display the device time in real time.

Time Zone

Select the device located time zone from the drop-down list.

Time Synchronization Mode

NTP

You should set the NTP server's IP address, port No., and interval.

Manual


By default, the device time should be synchronized manually. You can set the device time manually or check **Sync. with Computer Time** to synchronize the device time with the computer's time.

DST

You can enable DST, set and view the DST start time, end time and bias time.

Change Administrator's Password

Steps

1. Click **Configure** → **System** → **User Management**.
2. Click .
3. Enter the old password and create a new password.
4. Confirm the new password.
5. Click **Save**.

 **Caution**

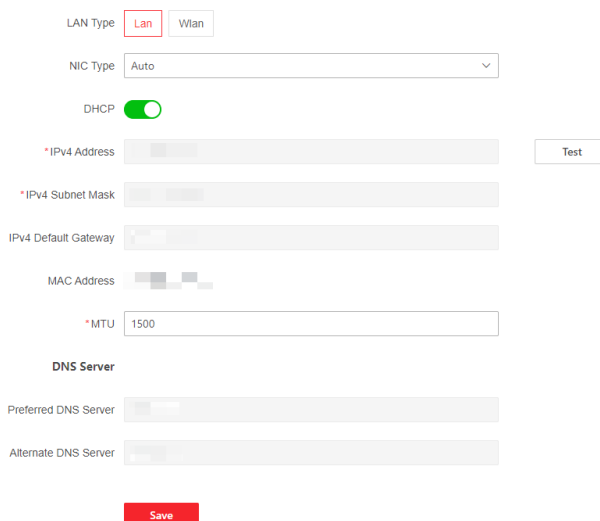
The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.

Proper configuration of all passwords and other security settings is the responsibility of the service provider and/or end-user.

3.4.11 Network Settings

Set Basic Network Parameters

Click **Configure** → **Network** → **Network Configuration** → **TCP/IP**.



LAN Type: Lan Wlan

NIC Type: Auto

DHCP:

*IPv4 Address: Test

*IPv4 Subnet Mask:

IPv4 Default Gateway:

MAC Address:

*MTU: 1500

DNS Server

Preferred DNS Server:

Alternate DNS Server:

Save

Figure 3-3 TCP/IP Settings

Set the parameters and click **Save** to save the settings.

LAN Type

Select **Lan** or **Wlan** according to your network type.

DHCP

If disable the function, you should set the IPv4 address, IPv4 subnet mask, IPv4 default gateway, preferred DNS server and the Alternate DNS server.

If you check the function, the system will allocate the IPv4 address, IPv4 subnet mask, the IPv4 default gateway, preferred DNS server and the Alternate DNS server automatically.

DNS Server

Set the preferred DNS server and the Alternate DNS server according to your actual need.

Set HTTP or HTTPS

Click **Configure** → **Network** → **Network Service** → **HTTP(S)**.

HTTP

It refers to the port through which the browser accesses the device. For example, when the HTTP Port is modified to 81, you need to enter ***http://192.0.0.65:81*** in the browser for login.

HTTPS



Set the HTTPS for accessing the browser. Certificate is required when accessing.

Click **Configuration** → **Network** → **Advanced Configuration** → **RTSP**.

3.4.12 Broadcast Settings

Material Library

Click **Configure** → **Broadcast Settings** → **Material Library** to enter the configuration page.

- Add custom audio folder: Click **+**, enter the custom folder name, click **OK** to save the settings.
- Delete custom audio folder: Select the custom audio folder, click  to delete the corresponding folder.
- Edit custom audio folder: Select the custom audio folder, click  to modify the corresponding folder name.


Set Audio Folder

Steps

1. Click **Configure** → **Broadcast Settings** → **Material Library** to enter the configuration page.
2. Click **Batch Import** to go to local file.
3. After selecting the local file, click **Open** to import the broadcast material in the file to the broadcast material library.

Note

The file size of material library should not exceed 100M, and can store up to 1000 files. It only supports mp3, MP3, wav, WAV, aac, AAC, mp2 and MP2 formats.


4. (Optional) Select the broadcast material and click **Delete** to delete the corresponding broadcast material.
5. (Optional) Click  to edit material name.
6. Click **Save** to finish the settings.

Set Alarm Linkage/EVAC/Custom Audio Library



The built-in alarm linkage and EVAC audio libraries cannot be edited or deleted. Please refer to the actual device for details.

Steps

1. Click **Batch Add**.
2. Select the audio material files, click **Add** to add the broadcast materials to the selected audio library.
3. (Optional) Select the broadcast material and click **Delete** to delete the corresponding broadcast material.
4. (Optional) Click  to edit material name.
5. Click **Save** to finish the settings.

Scheduled Broadcast Configuration

Add scheduled broadcast task. The device will broadcast according to schedule.

Steps

1. Click **Configure** → **Broadcast Settings** → **Scheduled Broadcast** to enter the configuration page.
2. Click **+ Add** to create scheduled broadcast task.
3. Select **Output Channel**.
3. Slide the Enable button.
4. Enter scheduled **Task Name**.
5. Select **Task Type**.
 - **Day Schedule**: broadcast task will be played at a fixed time every day.
 - **Weekly Schedule**: broadcast task will be played every week.
6. Configure broadcast rule.

- 1) Select **Broadcast Rule** .

Audio File

Drag and drop the blue bar on the time line, click **Advanced Configuration**, select **Audio File**, and click **+** to add audio source file in the material library to play.

Speech Synthesis

Drag and drop the yellow bar on the time line, click **Advanced Configuration**, select **Voice Composition**, enter voice content, and select the parameters to broadcast to male or female.

 **Note**

The following rules apply to the content of voice text:

- Punctuation mark will affect the semantics of pronunciation. Please use punctuation mark correctly. Please view the help for using rules of numbers, Chinese and English.
 - Number Reading Settings [n1][n2]: The default setting is active judgement. Adding [n1] before a number reads as a number, and adding [n2] before a number reads as a numerical value.
 - Word Pronunciation Settings [h1][h2]: The default setting is active judgement. Adding [h1] before a word reads as letters of the word, and adding [h2] before a word reads as the word.
 - English Pronunciation Settings for Number 0[o0]/[o1]: The default [o1] number 0 is pronounced as zero in English. Adding [o0] before the sentence reads as o. The number 0 will only take effect when read as a number, i.e. marking as [n1]. When processed as a numerical value 0, marking as [n2], it will be affected by the marking n, and read as a numerical value.
-

2) Slide to adjust volume. Volume range is from 0 to 200. If the volume is over 100, volume gain will be expanded.

3) Adjust **Broadcast Ratings**.

 **Note**

Broadcast ratings should be between 0 and 15.

4) Select **Play Mode**.

Play Once

Play in the order of audio list. Each audio will be played only once.


Loop

Repeat in order.

 **Note**

When selecting task type as week schedule, you need to select cycle period.


5) Click **Save** to finish the configuration.

7. Select **Start Date** and **End Date**.
8. Click **Save** to complete the configuration.
9. (Optional) Copy broadcast task. Click  to copy the current day's audio broadcast schedule to the rest of the week.

3.4.13 Alarm Configuration


Alarm Input

Steps

1. Click **Configure** → **Alarm Configuration** → **Alarm Input** to enter the configuration page.
2. After any alarm input No., click  to enter the editing page.
3. Set alarm type, alarm name and enable alarm input handling, configure the arming schedule and linkage method.
4. Click **Save** to finish the settings.

Alarm Output

Steps

1. Click **Configure** → **Alarm Configuration** → **Alarm Output** to enter the configuration page.
2. After any alarm output No., click  to enter the editing page.
3. Set alarm type and delay time, configure the arming schedule.
4. Click **Save** to finish the settings.

Audio Linkage

Steps

1. Click **Configure** → **Alarm Configuration** → **Alarm Broadcast** to enter the configuration page.
2. Click + and set the task name and select a linkage source.
3. Set alarm output broadcast.
Enable **Link Alarm Output**. Check the alarm output for the broadcast.
4. Set the broadcast parameters.
Select the broadcast audio source as **Audio File** and you should select the audio, terminal, ratings and play mode.
Select the broadcast audio source as **Speech Synthesis** and custom audio content, set synthesis parameters, terminal, ratings and play mode.
5. Click **Save** to finish the settings.

3.5 Upgrade and Maintenance

Reboot device, restore device parameters, and upgrade device version.


Reboot Device

Click **Maintenance and Security** → **System Maintenance** → **Restart**.

Click **Restart** to reboot the device.

Upgrade

Click **Maintenance and Security** → **System Maintenance** → **Upgrade**.

Select an upgrade type from the drop-down list. Click  and select the upgrade file from your local PC. Click **Upgrade** to start upgrading.

If the device has been connected to Hik-Connect and network, when there is a new installation package in Hik-Connect, you can click **Upgrade** after Online Update to upgrade the device system.

Note

Do not power off during the upgrading.

Restore Parameters

Click **Maintenance and Security** → **System Maintenance** → **Backup and Reset**.

Restore All

All parameters will be restored to the factory settings. You should activate the device before usage.

Restore

The device will restore to the default settings, except for the device IP address and the user information.

Import and Export Parameters

Click **Maintenance and Security** → **System Maintenance** → **Backup and Reset**.

Export

Click **Export** to export the device parameters.

Note

You can import the exported device parameters to another device.

Import

Click  and select the file to import. Click **Import** to start import configuration file.

Security Audit Log

Steps

1. Click **Maintenance and Security** → **Maintenance** → **Security Audit Log** to enter the page.
2. Set the major and minor type of the log type. Set the start time and end time for searching, and click **Search**.
3. The results will be displayed below, which including the No., time, the major type the minor type, the channel No., the local/remote user information, the remote host IP, etc.

Device Debugging

You can set device debugging parameters.

Steps

1. Click **Maintenance and Security** → **Maintenance** → **Device Debugging**.
2. You can set the following parameters.

Enable SSH

To raise network security, disable SSH service. The configuration is only used to debug the device for the professionals.

Print Log

You can click **Export** to export log.

Capture Network Packet

You can click **Start Capture** to capture network data.

3. Click **Save**.

Chapter 4 Other Platforms to Configure

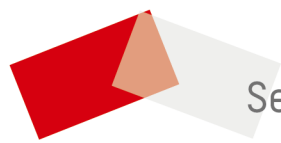
You can also configure the device via HikCentral Professional Web Client. For details, see the platforms' user manual.

HikCentral Professional Web Client

You can refer to the **Chapter 2 Login** and **Chapter 34 Broadcast Management** after scanning the following QR code for the detailed operation of HikCentral Professional Web Client.



Figure 4-1 QR Code of Web Client User Manual



See Far, Go Further