IP Speaker

User Manual

V1.00

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1 About this Manual

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Disclaimer

Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.

This manual is for reference only, and all statements, information, and recommendations in this manual are presented without warranty of any kind. The illustrations in this manual are for reference only and may vary depending on the version or model. The screenshots in this manual may have been customized to meet specific requirements and user preferences. As a result, some of the examples and functions featured may differ from those displayed on your monitor.

- The symbols in the following table may be found in this manual. Carefully follow the instructions indicated by the symbols to avoid hazardous situations and use the product properly.

Symbol	Description
	NOTE! Indicates useful or supplemental information about the use of product.
	CAUTION! Indicates a situation which, if not avoided, could result in damage, data loss or malfunction to product.
	WARNING! Indicates a hazardous situation which, if not avoided, could result in bodily injury or death.

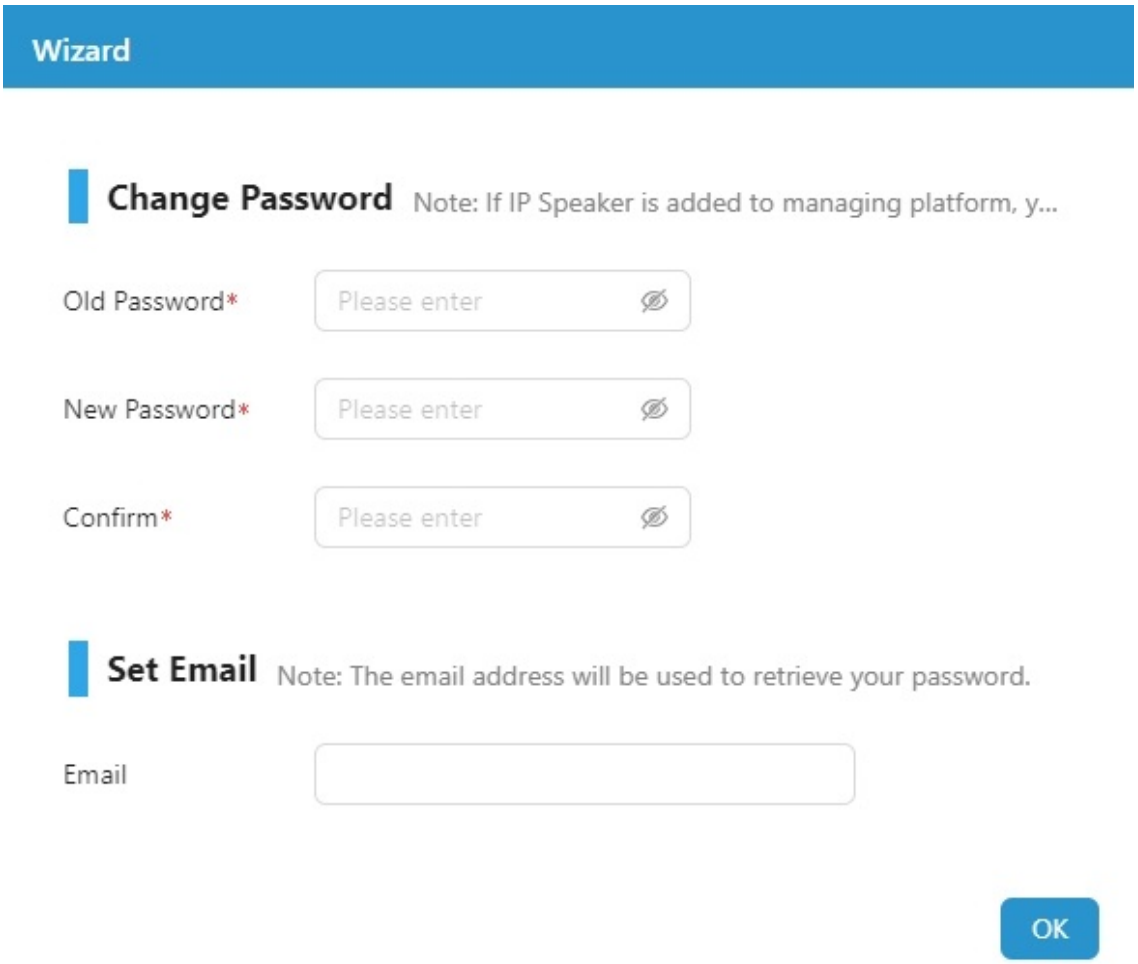
2 Device Login

1. Open a Web browser on your PC, enter the IP address of the IP speaker in the address bar (**192.168.1.20** by default), and then press **Enter**.

   Note: DHCP is enabled by default. If a DHCP server is deployed in the network, the device may be assigned an IP address, and you need to use the assigned IP address to log in.



2. Choose a language as needed.
3. Enter the username and password (**admin**/**123456** by default).
4. Click **Login**.
5. Follow the wizard to configure the related parameters.



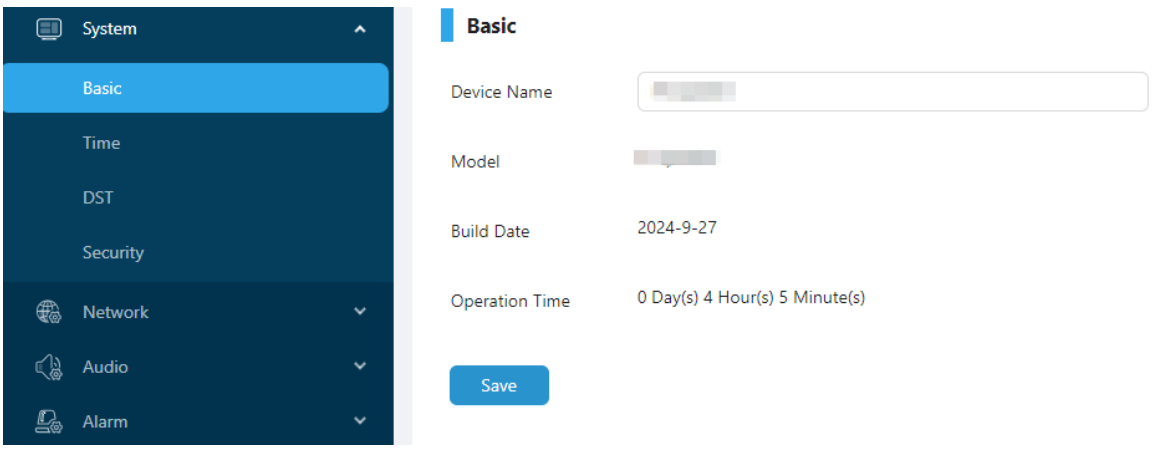
Note: If you have not reserved an email address and forgot the password, you can contact technical support to change the password.

6. Click **OK** to return to the login page and log in with the new password.

Note: After login, you can click English admin in the upper-right corner to switch the language, change the password, set an email address, or log out from the account.

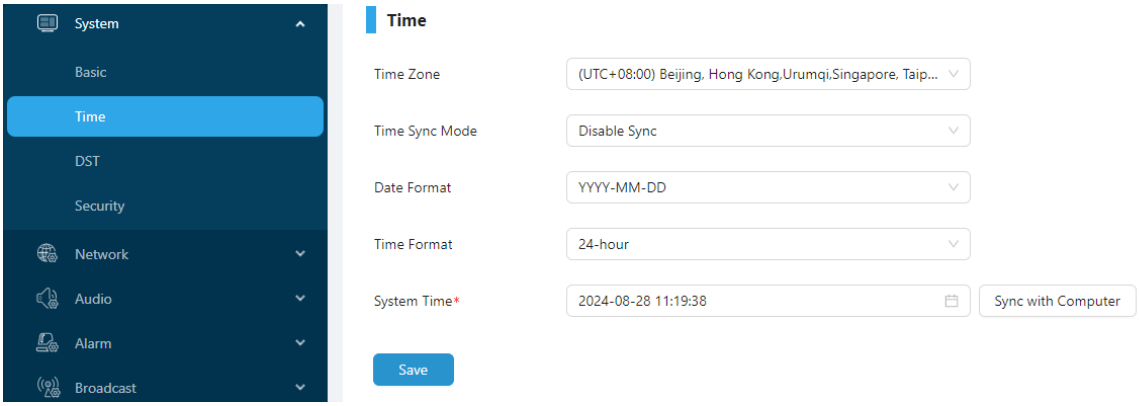
3 System

3.1 Basic



Change the device name as needed, and click **Save**.

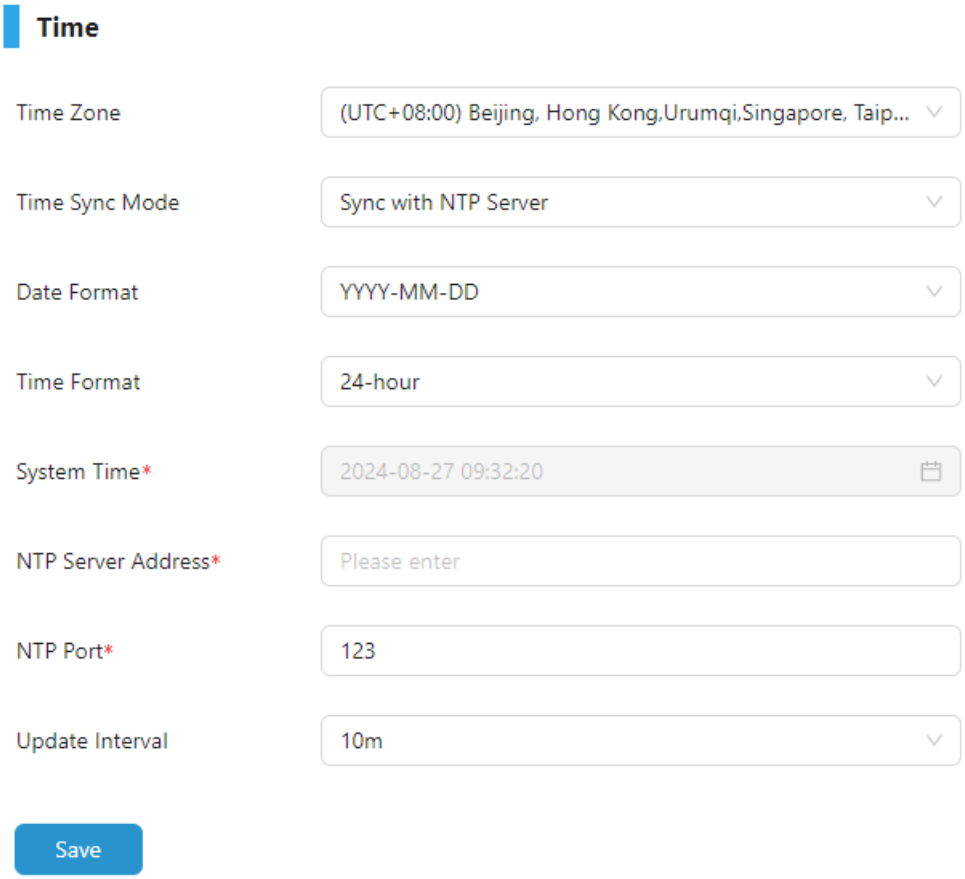
3.2 Time



Configure the time zone, date format, time format, and system time as needed. The following three ways are available.

Sync with NTP Server

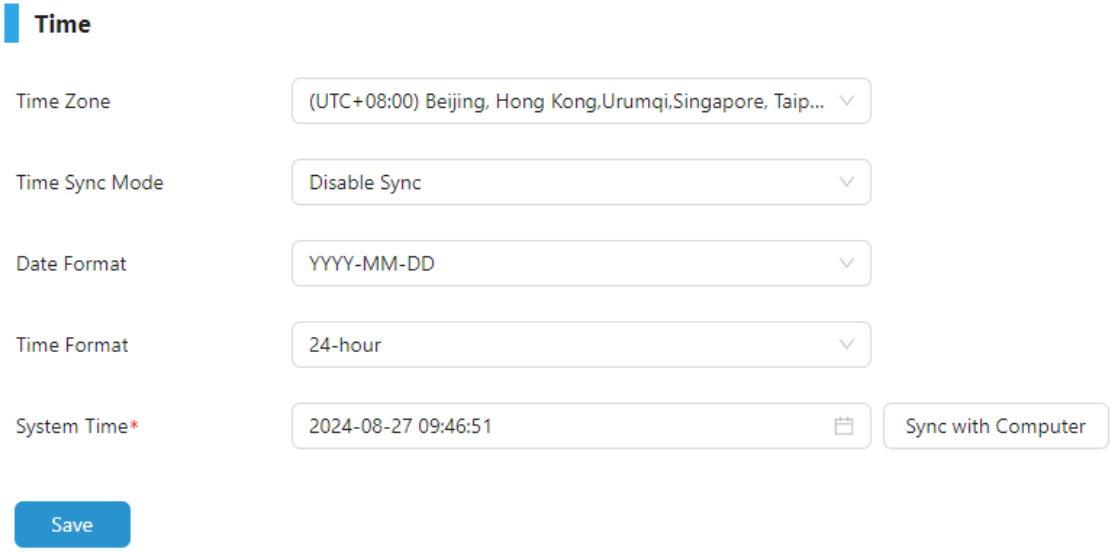
1. Choose **Sync with NTP Server** from the **Time Sync Mode** drop-down list.



2. Configure the NTP server address, NTP port, and update interval. The NTP port should be consistent with the NTP server port.
3. Click **Save**.

Sync with Computer

1. Click **Sync with Computer**, and the device will sync time with the computer.

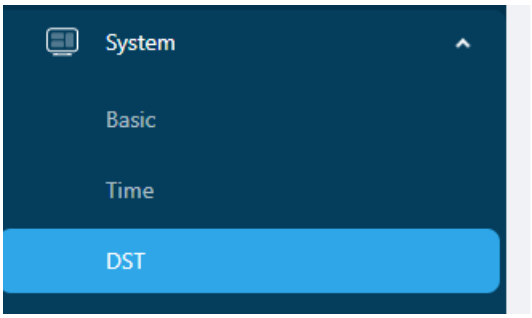


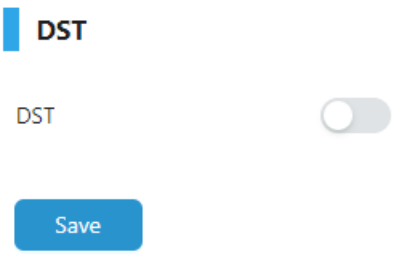
2. Click **Save**.

Set Manually

1. Click to set the system time manually.
2. Click **Save**.

3.3 DST



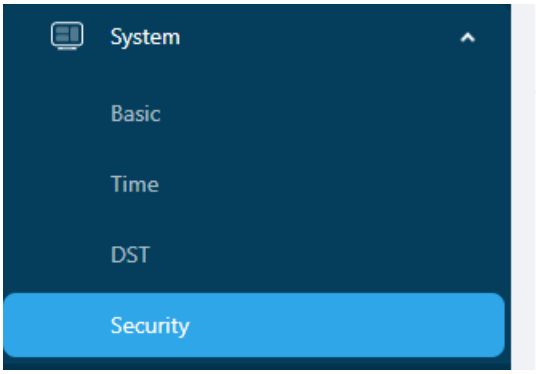


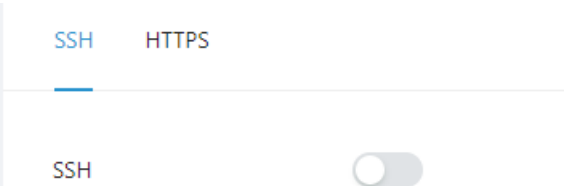
1. Click to enable **DST**.
2. Set the DST parameters as needed.
3. Click **Save**.

3.4 Security

3.4.1 SSH

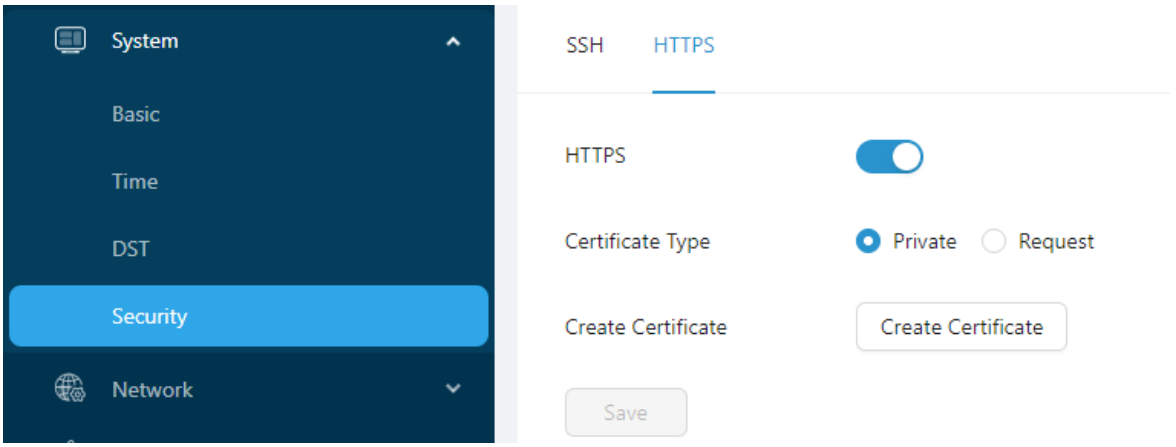
You can enable SSH only for device maintenance and debugging.





3.4.2 HTTPS

Use a digital certificate to encrypt the data transmission between the client (browser) and the device to ensure data security.



Note: Please do not create or delete the certificate when HTTPS is enabled.

Private Certificate

A digital certificate generated by the device.

1. Click **Create Certificate**, enter the certificate information, and click **OK**.
   - Country: Abbreviation for the name of the country.
   - Hostname/IP: Device's IP address.
   - Valid Days: Supports customizing the validity period of the certificate.
2. Click to enable **HTTPS**.
3. Click **Save**.
4. Log out from the account and log in again with Https://IP address,and install the certificate to the **Trusted Root Certification Authorities** folder of the browser so that you can log in normally.

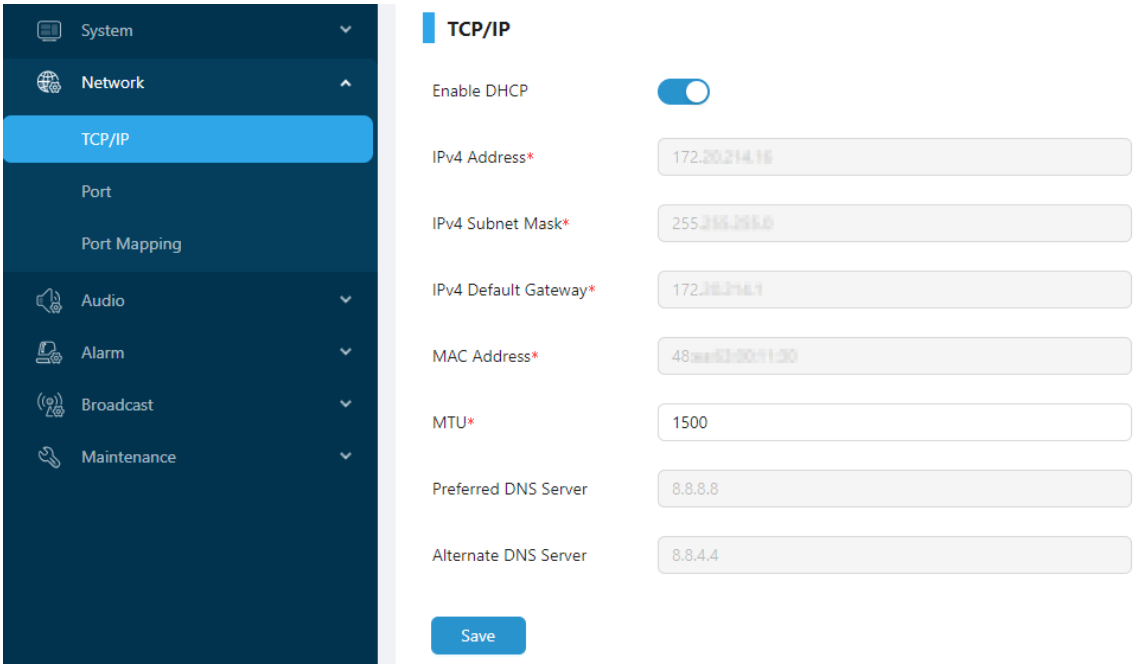
Certificate Request

A digital certificate signed by a CA authority.

1. Click **Create Certificate**, enter the certificate information, and click **OK** to generate a certificate request.
   - Country: Abbreviation for the name of the country.
   - Hostname/IP: Device's IP address.
2. Click **Download** to download the certificate request and send the request to the CA authority for signature.
3. Click ··· , choose the signed .crt file, and click **Upload**.
4. Click to enable **HTTPS**.
5. Click **Save**.
6. Log out from the account and log in again with Https://IP address.

4 Network

4.1 TCP/IP



IP Address

DHCP is enabled by default. The device may be assigned an IP address after it connects to the network. You can disable DHCP, set the IP address as needed, and click **Save**.

Note: MTU (Maximum Transmission Unit): Maximum data transmission unit defined in the network protocol, maximum size of data packets that can be sent in network communication, measured in bytes. When data traverses the network, it is divided into multiple packets, with each packet's size limited by MTU.

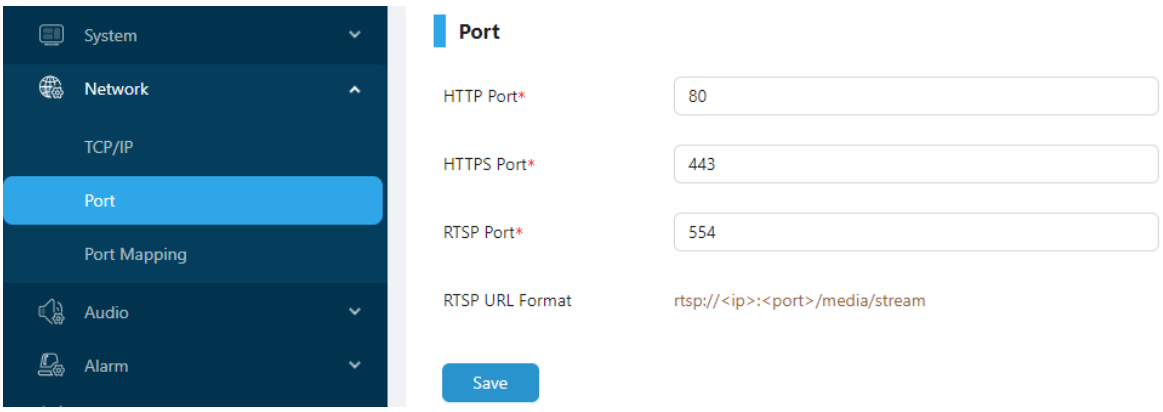
DNS

Domain name system. When a device accesses a domain name, such as cloud server, DNS can resolve the domain name to an IP address for easy access. It is recommended to use the default server.

4.2 Port

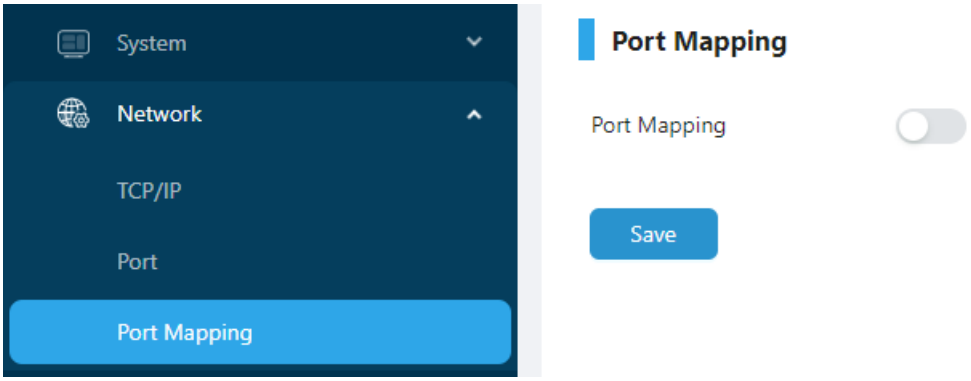
Configure internal ports including HTTP, HTTPS, and RTSP.

Note: The internal ports are used to access the device's applications on the LAN via a LAN client (browser).



4.3 Port Mapping

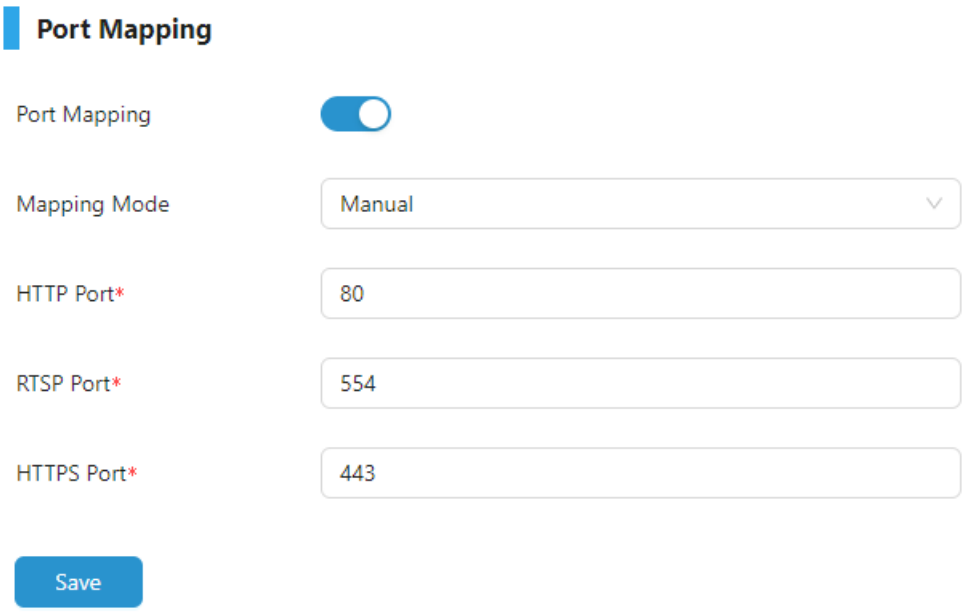
Configure a public network client (browser) to access a private network device's port.



Manual

Configure external ports manually.

Note: The external ports are used to access the device's applications of the device on the LAN via a public network client (browser).



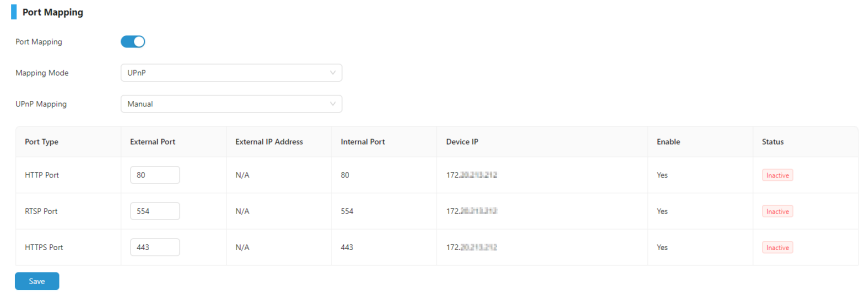
UPnP

UPnP is short for Universal Plug and Play. UPnP-enabled network address translation (NAT) can perform automatic port mapping to enable computers on the public network to access the device on the private network.

Note:

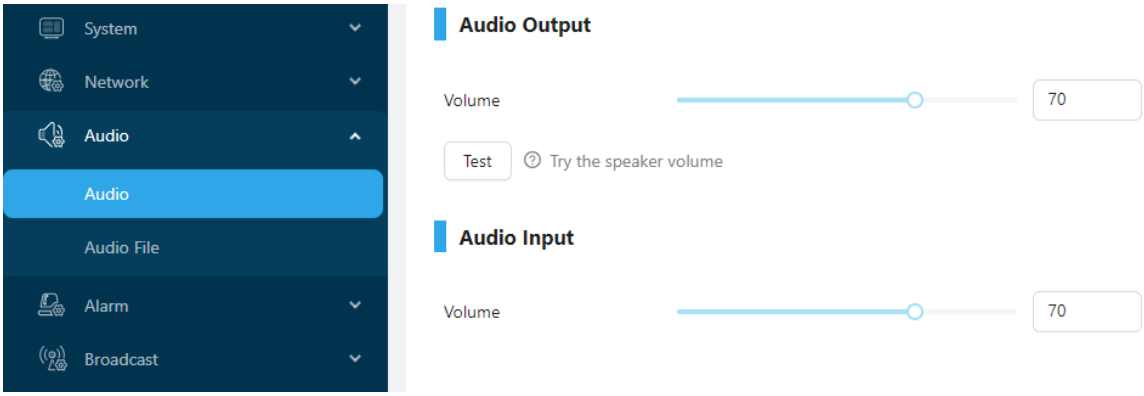
- This function requires router support. You need to enable UPnP on the router before starting configuration on the DEVICE.
- External IP Address: The IP address of the router's WAN port.
- Device IP: The speaker's IP address.

UPnP Mapping	Description
Auto	The device automatically assigns external port numbers, which are usually the same as the internal port numbers.

UPnP Mapping	Description
Manual	 Choose **Manual** from the **UPnP Mapping** drop-down list, configure the external port as needed, and click **Save**. **Note:** After the port mapping is configured, you can enter the IP address of the WAN port of the router in the browser: **HTTP external port number** to log in to the web interface of the device. For example: If the external IP address of the router is 10.2.2.10 and the external port of HTTP is 82, enter **http://10.2.2.10:82** in the address bar of the browser.

5 Audio

5.1 Audio



Audio Output

Adjust the volume of device test and two-way audio. Click **Test** to try the volume on the IP speaker.

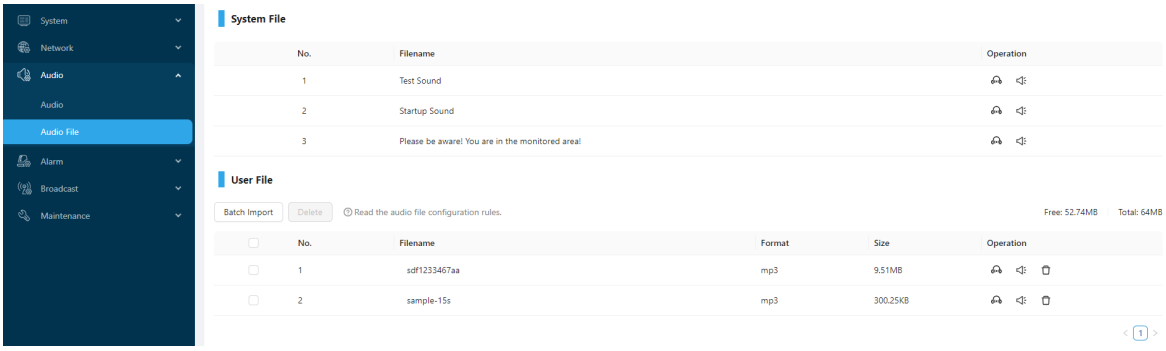
Note: If the volume set in Broadcast Schedule is inconsistent with audio output volume, please adjust the audio output volume to match the volume set for the broadcast before test.

Audio Input

Adjust the volume of the device on the NVR or app. That is, the volume of the audio played on the NVR or app during the two-way audio.

5.2 Audio File

The audio file includes system audio and custom audio, which can be used for broadcasting and sound alarm.



System File

- : Click to play audio on your PC.
- : Click to play audio on the local device.

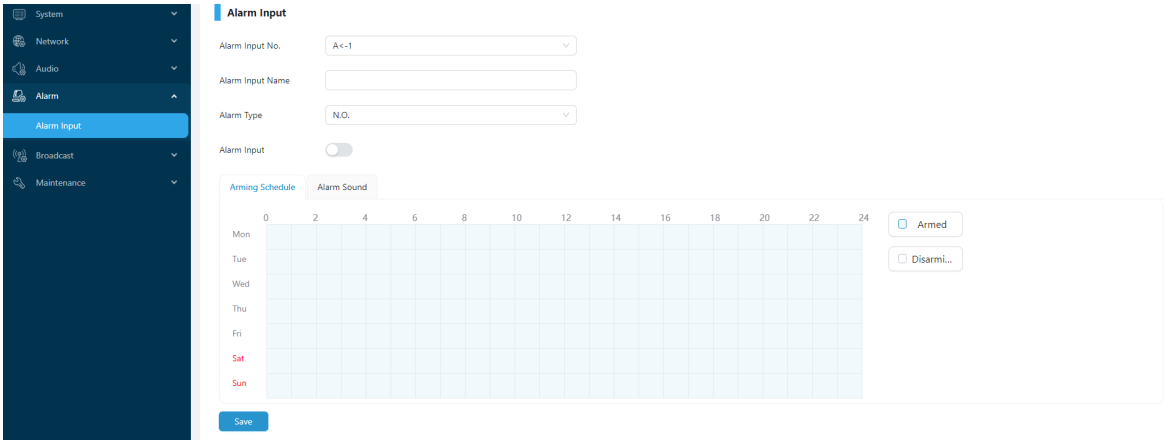
User File

Click **Batch Import** to import the custom audio.

6 Alarm

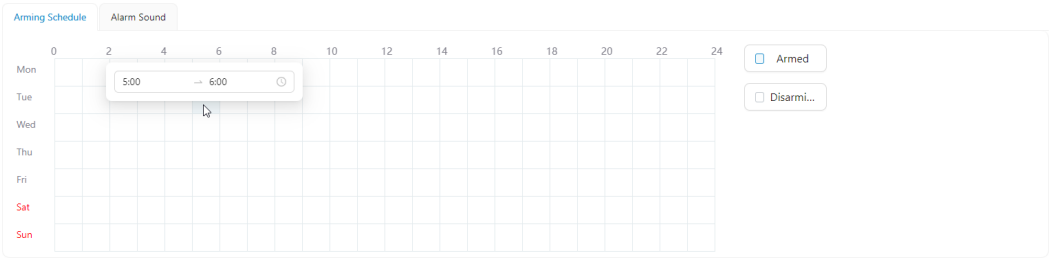
6.1 Alarm Input

Configure the alarm mode, arming schedule, and alarm-triggered actions for external alarm input devices connected to the IP speaker via the ALARM IN interface. For example, access control devices, doorbells, etc.



1. Set other parameters as needed.
   - Alarm Input No.: The hardware interface of the IP speaker to which the alarm input device is connected. A<-1 means that the alarm input device is connected to the IP speaker via the ALARM IN 1 interface.
   - Alarm Input Name: Set the name as needed.
   - Alarm Type
     - N.O.: Choose this option if the alarm input device is normally closed. The normally closed alarm device opens the circuit to input an alarm, triggers the device to open the alarm circuit and generate an alarm.
     - N.C.: Choose this option if the alarm input device is normally opened. The normally opened alarm device closes the circuit to input an alarm, triggers the device to close the alarm circuit and generate an alarm.
2. Enable **Alarm Input**.

3. Set the arming schedule. A 24/7 normal recording schedule is enabled by default. To change the arming schedule, you can cancel all arming schedules first and reset the arming schedule as needed. The following mainly introduces the arming method. To disarm the schedule, click **Disarming**, and follow the steps below.
   - Set a schedule: Set the arming schedule in minutes. You can only set the arming schedule for one day at a time.
     (1) Click **Armed**.
     (2) Click any time cell of the day you want to set, and the cell becomes blue. Move the mouse away from the blue cell, and hover it again until the setting box appears.



     (3) Set the start time and end time.
     (4) Click **OK**.
   - Draw a schedule: Draw the arming schedule in hours. You can draw the arming schedule for multiple days at a time.
     (1) Click **Armed**.
     (2) Right-click or drag on the schedule to select the time cells you want to enable arming.
     (3) Click **OK**.

Note: You can draw the arming schedule roughly, and then set the precise period.

4. Set the alarm sound.

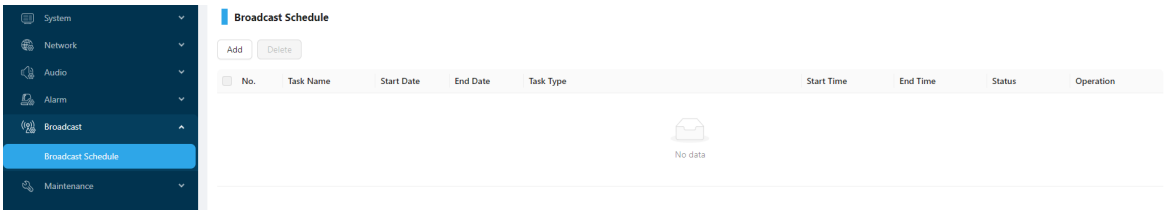
Item	Description
Enable	Click to enable alarm sound.
Audio	Choose an alarm audio.
Volume	The volume at which the alarm audio is played.
Play Mode	By Play Count: The number of times that the alarm audio is played. By Duration: The duration that the alarm audio is played.
Play Count	Set it as needed.
Duration	Set it as needed.

5. Click **Save**.

7 Broadcast

7.1 Broadcast Schedule

Configure the play time of the broadcast file.



1. Click **Add**.

2. Configure the basic information.

Basic Info	Description
Task Name	Set it as needed.
Start/End Date	The start/end date of the schedule.
Task Type	Daily: Play the broadcast during the schedule time every day. Weekly: Play the broadcast during the schedule time every week.
Repeat Day(s)	Repeated days of the weekly schedule.
Start/End Time	Play time every day or on the specified day(s) according to the schedule.
Play Mode	Repeat: Play broadcast repeatedly during the schedule. If there are multiple audio files, all audio files will be played in a single loop. By Play Count: Play audio based on the set times during the schedule. If there are multiple audio files, all audio files will be played in a single loop.
Play Count	Set it as needed. **Note:** If the set play count reaches but the end time has not reached, the audio will stop.
Volume	The volume of the current file played by the device. **Note:** To try the volume of the broadcast task, adjust the audio output volume to the volume set by the current task before test.

3. Configure the audio file.

   (1) Click **Add**, and choose the desired audio file(s).

   (2) Click **OK**.

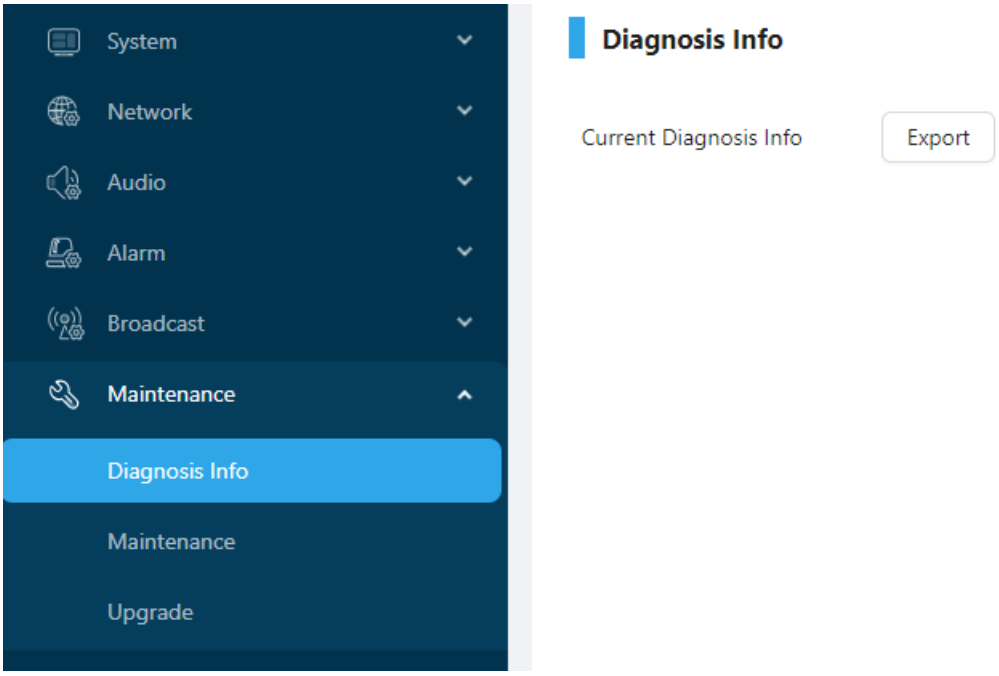
Note:

Click to delete the audio file.

Click and drag to sort the audio file.

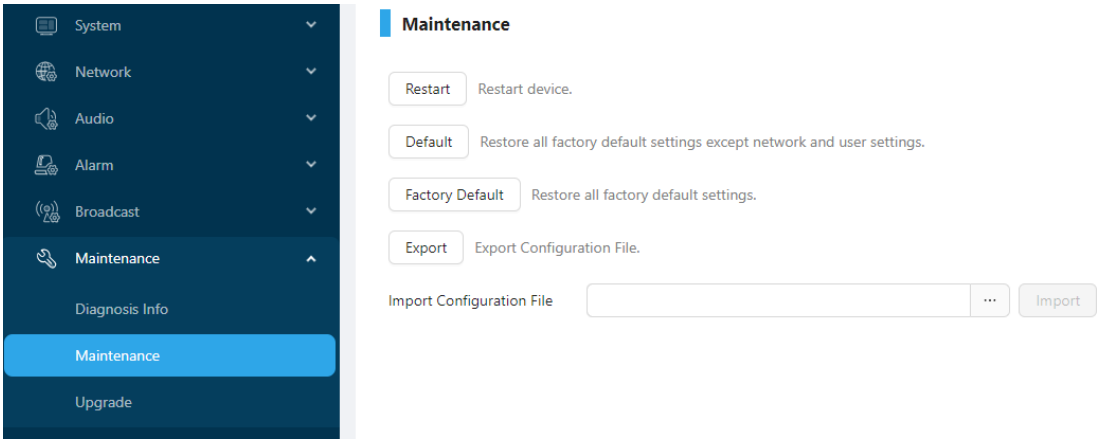
8 Maintenance

8.1 Diagnosis Info



Click **Export** to export the current diagnosis information.

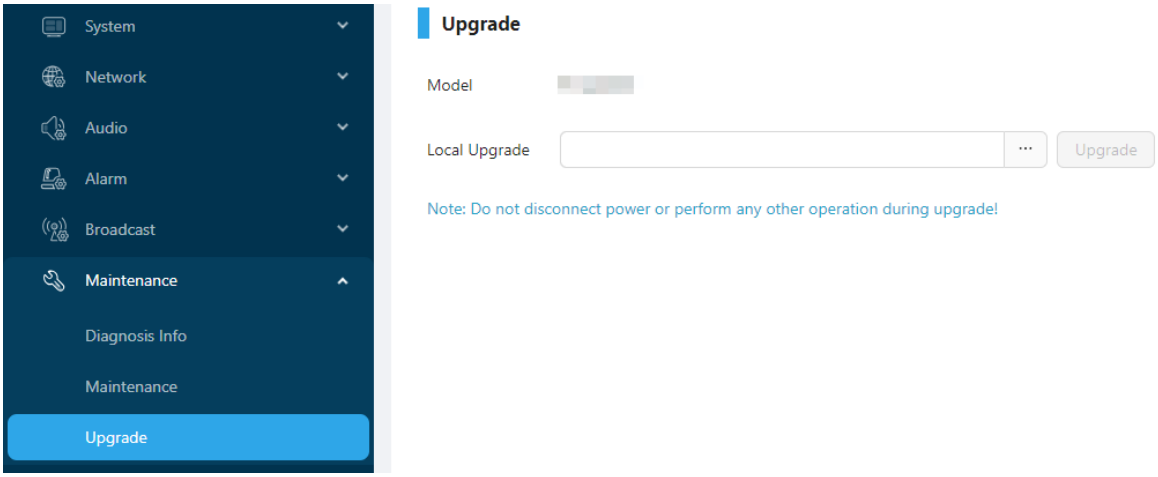
8.2 Maintenance



Click ··· , choose the configuration file, and click **Import** to import the configurations of other speakers to the current device.

Note: The software version of the device to which the configuration file resides must be the same as that of the device to which the configuration file is imported.

8.3 Upgrade



Click ··· , choose an upgrade file, and click **Upgrade** to upgrade the system version to the new one.