



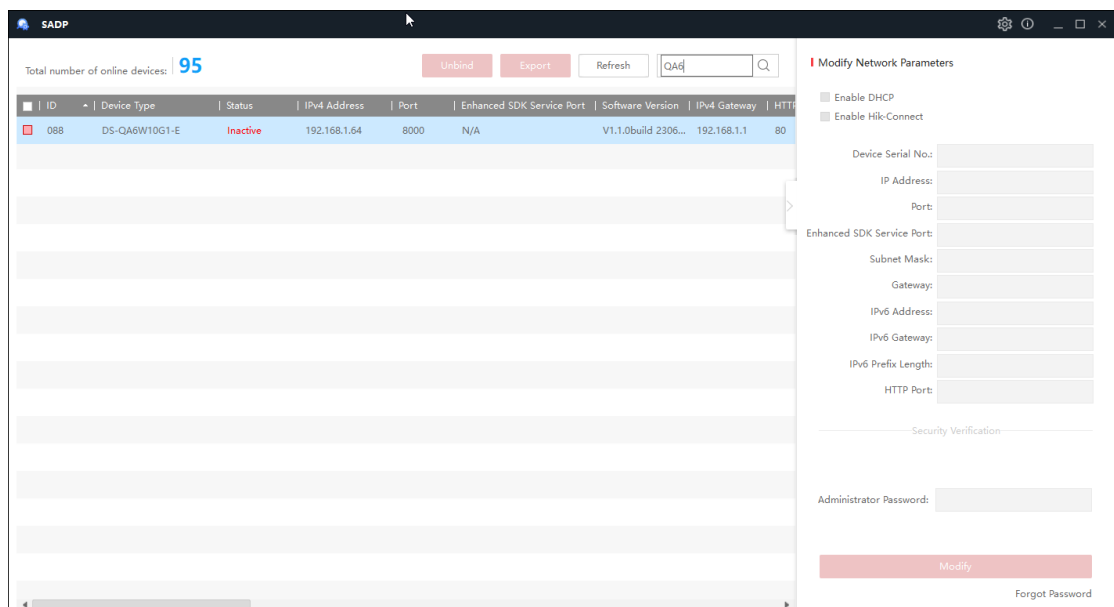
IP Speaker Function Instruction

Note

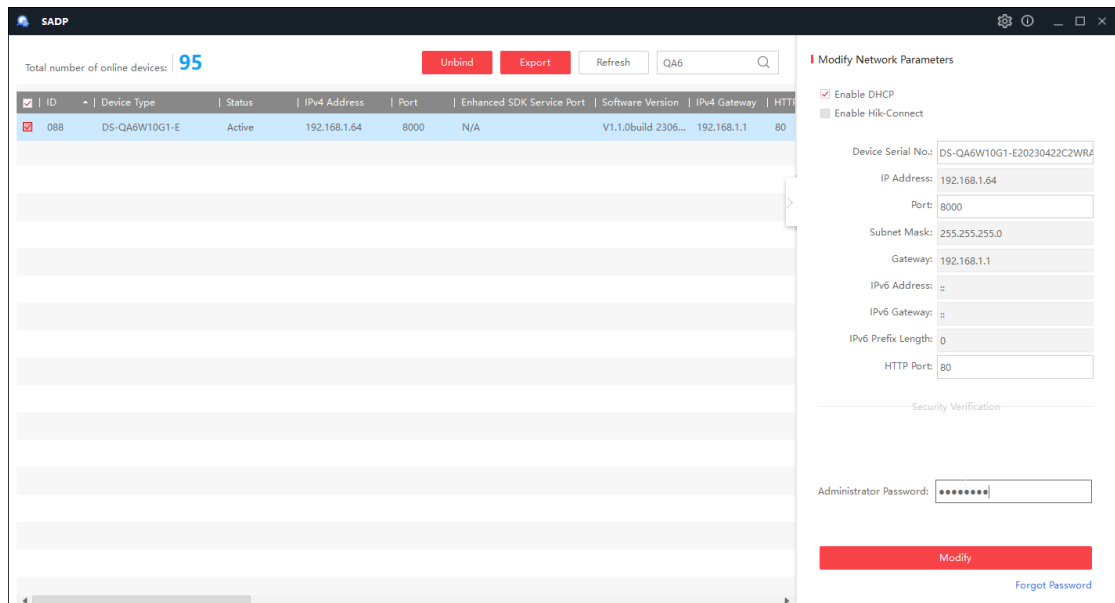
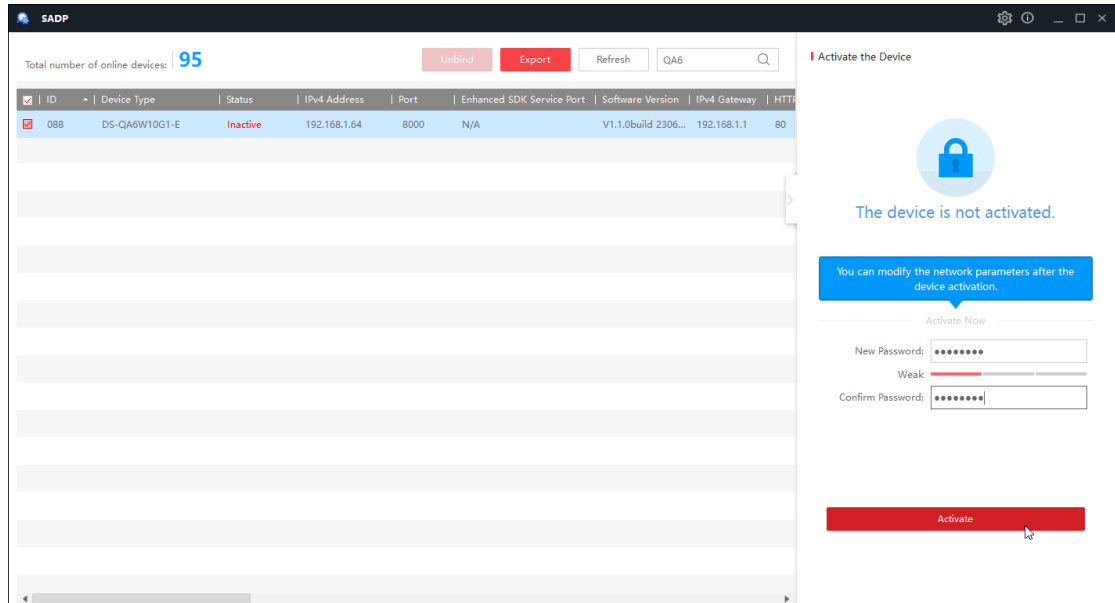
Those functions that this document mentions do not differentiate between models and versions of IP Speaker. For details about the functional differences between different models, see the comparison table of product functions of IP speakers in Appendix 2.

Device Activation

- 1) Download Hikvision SADP tool and install.
SADP download link: [SADP - HiTools - Hikvision](#)
- 2) When SADP is turned on, if the PC and Speaker are on the same LAN, SADP can find the device and display related information on its interface.



- 3) Choose device, set password to activate device, and configure network parameter according to the actual usage situation.



- 4) After completing network Settings, user can log in to the web page of the device to configure and use related functions.

IP Speaker WEB Function Introduction

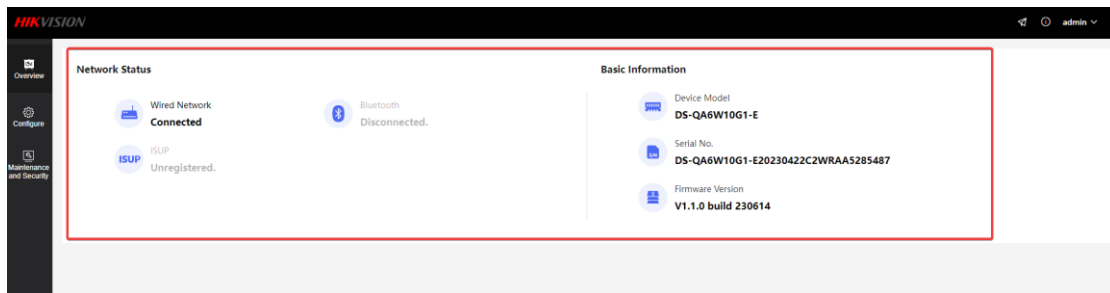
1. Web Login

As shown in the following picture, enter the user name and device password, and select the required language to log in to the device.



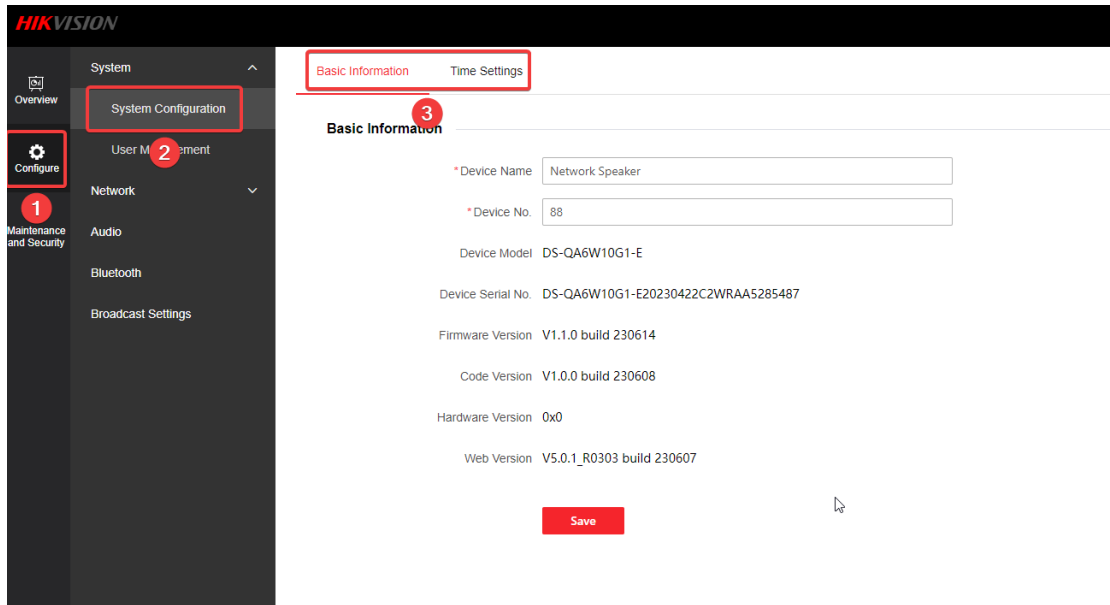
2. Introduction of Device Basic Information

After users log in to the web side of speaker, the device Overview interface will display the basic device status, including the wired network status, Bluetooth status, ISUP registration status, device model, serial number, and firmware version.

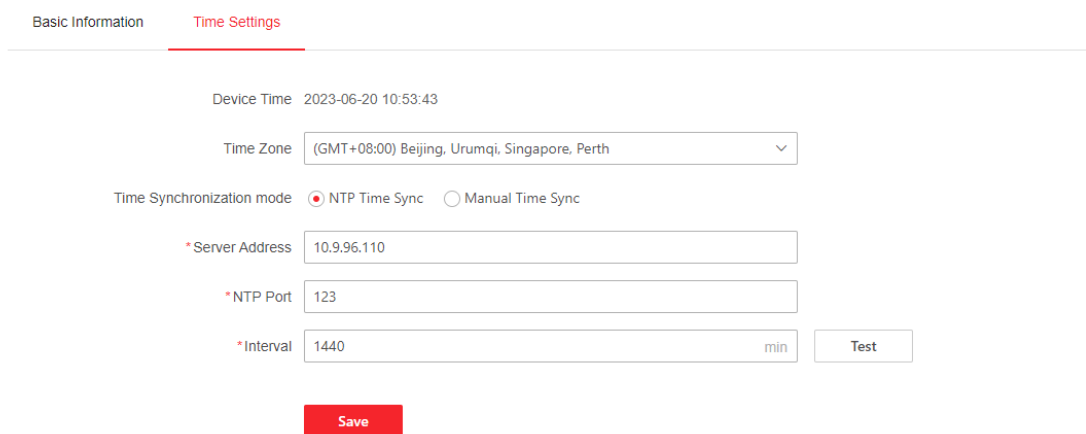


3. System Configuration

Enter System Configuration Interface of device, and choose Basic Information, then user can check basic model and version information of speaker.



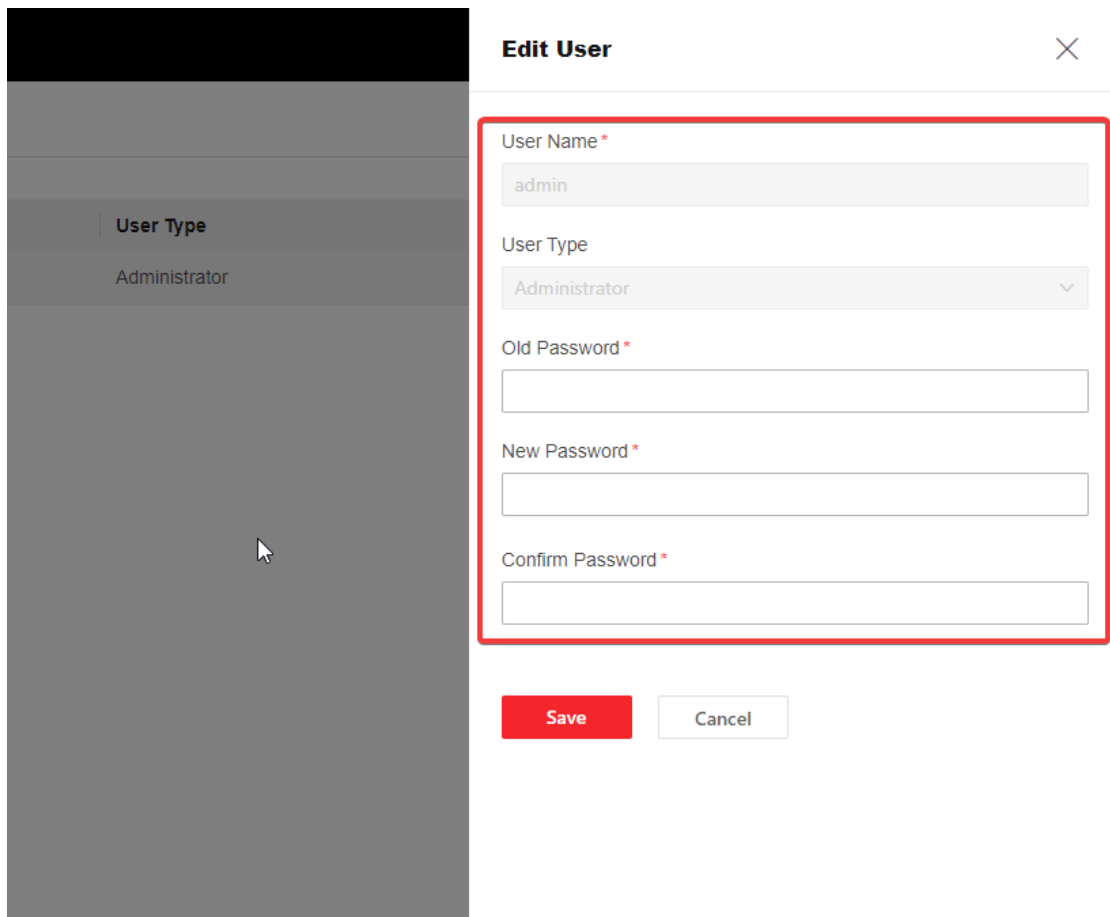
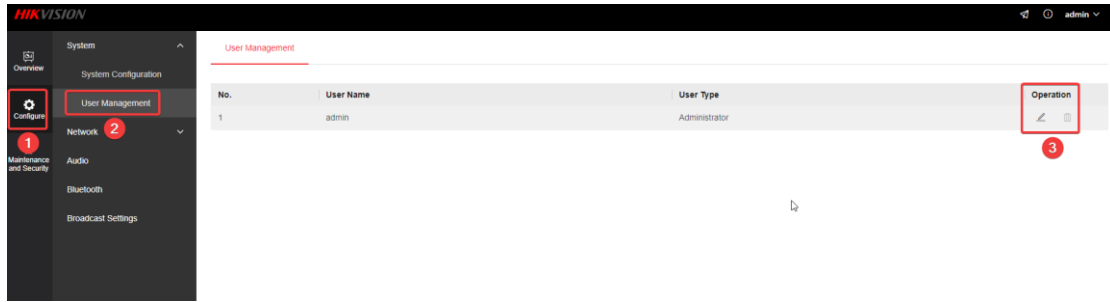
If users select Time Settings, they can modify device time by manual or NTP. Since the device supports schedule audio play, ensure that device time is consistent with service time.



Note: The DST function is not supported in the current device version, but will be supported in future baseline versions.

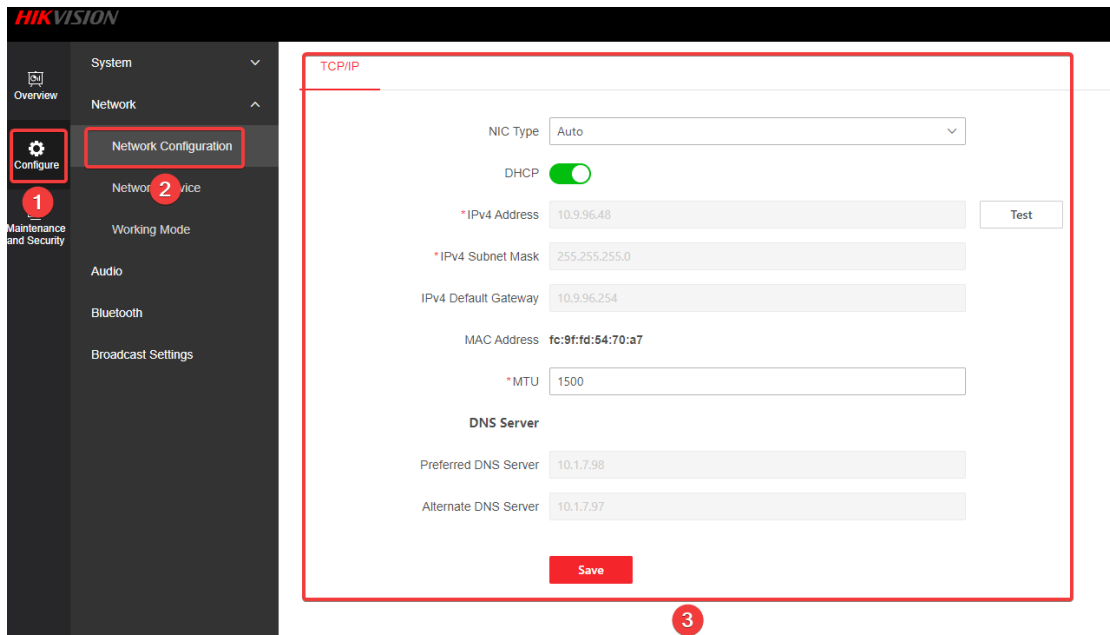
4. User Management

Enter User Management Interface, and users can change the password using the original password.



5. Network Configuration

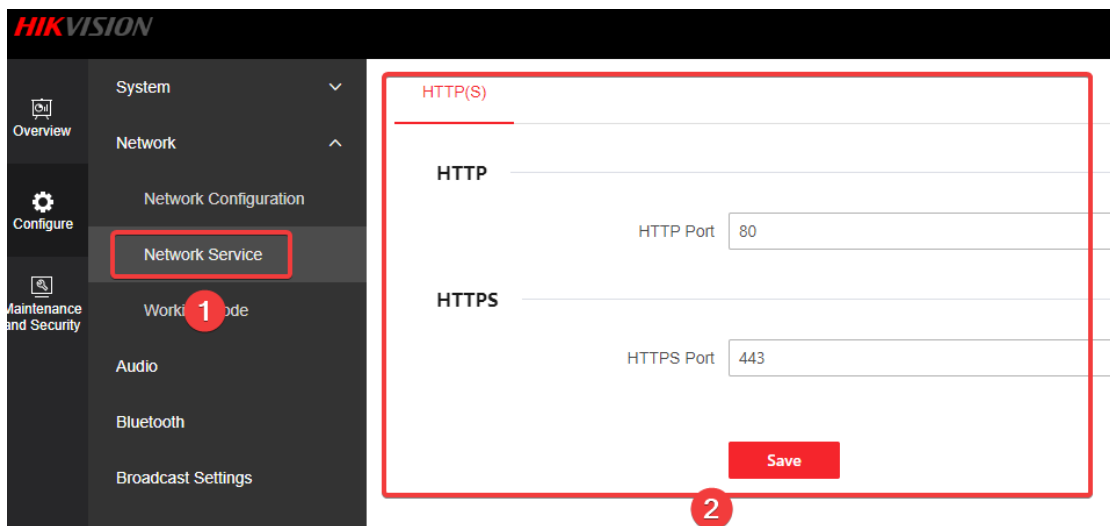
Enter Network Configuration interface, users can configure the network based on the onsite network situation.



Note: The Test function is used to test whether the IP address configured by the customer is occupied. If the IP address is occupied, you need to replace it with another IP address.

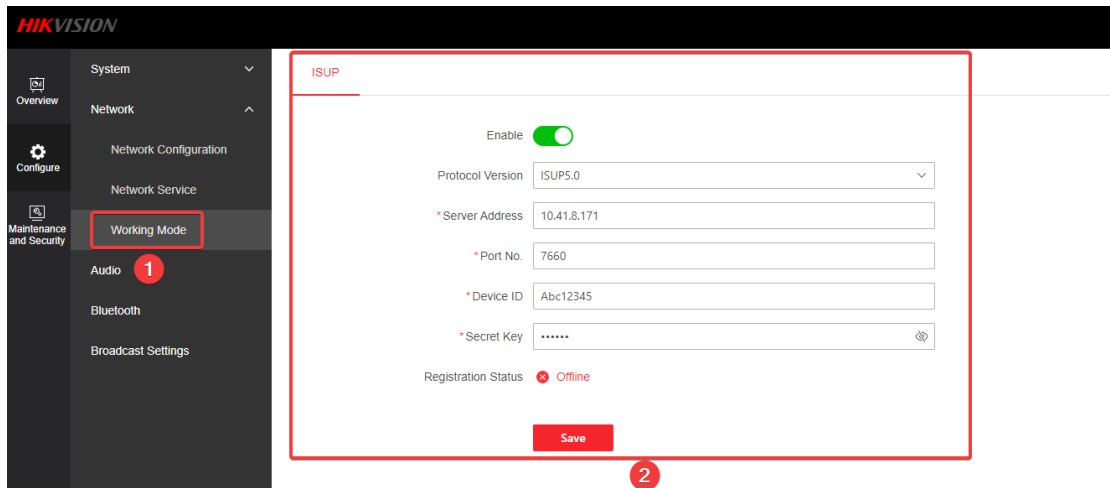
6. Network Service

On Network Service page, customer can customize the network port of speaker.



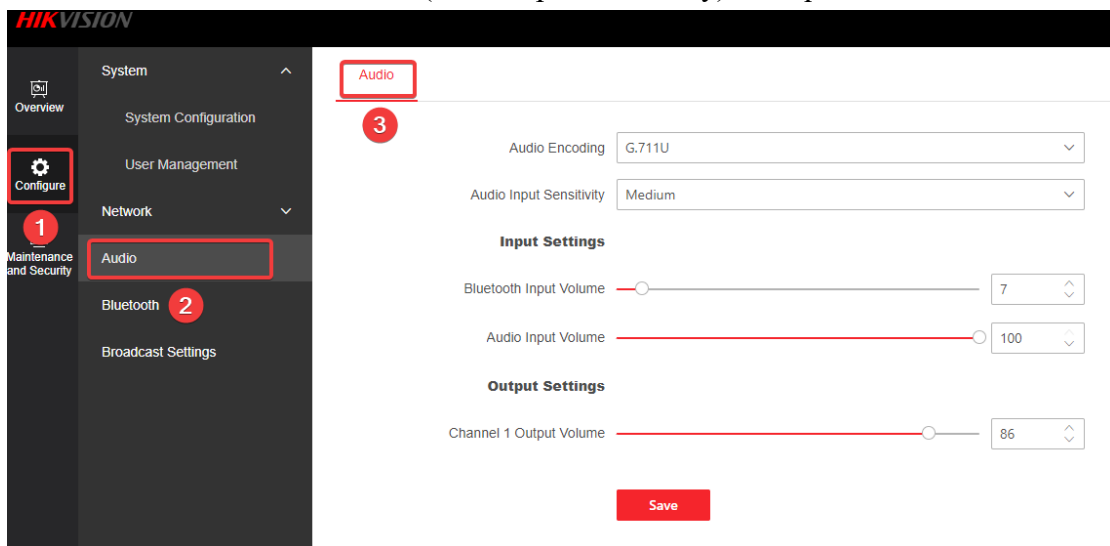
7. Working Mode

On the working mode page, users can configure ISUP via entering the service address, port number, device ID, and private key. After the ISUP service is registered, the device can be added to the server (HCP) and related audio functions can be applied on HCP. For details, please check the HCP instructions in the appendix.

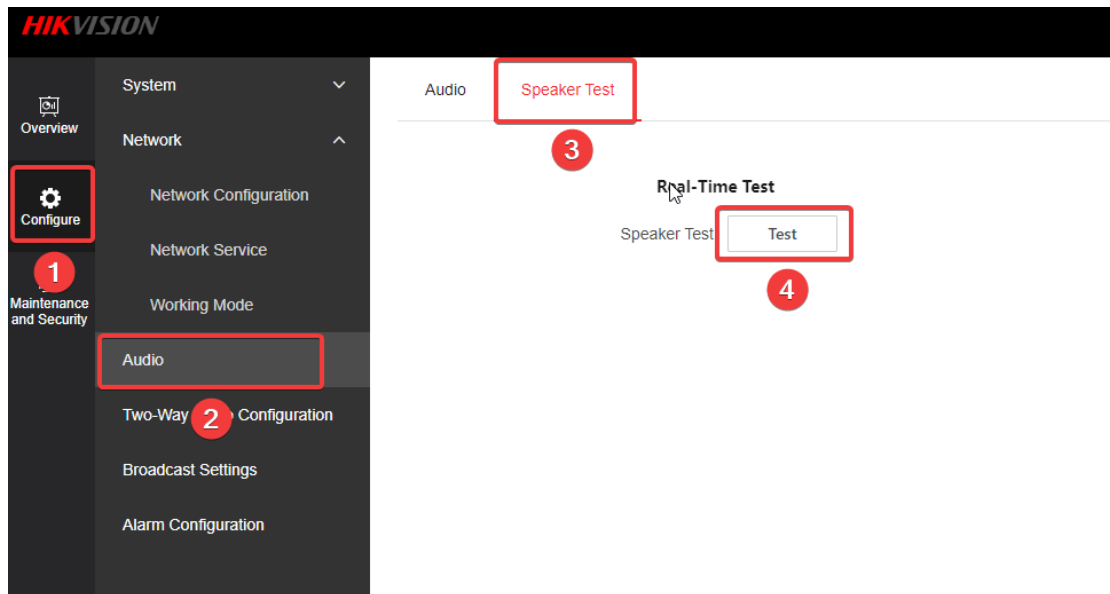


8. Audio Configuration

On the audio configuration page, users can set the audio encoding format, input/output volume, and noise reduction level (audio input sensitivity) as required.

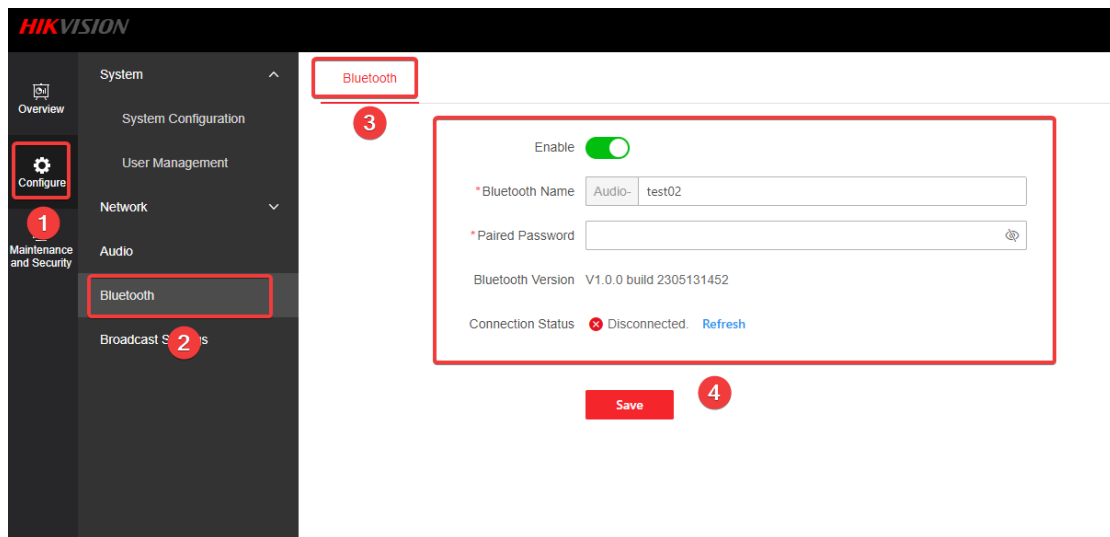


Horn speaker supports audio real-time test. When click Test button, speaker will play a built-in audio to help customers determine whether the hardware is normal.



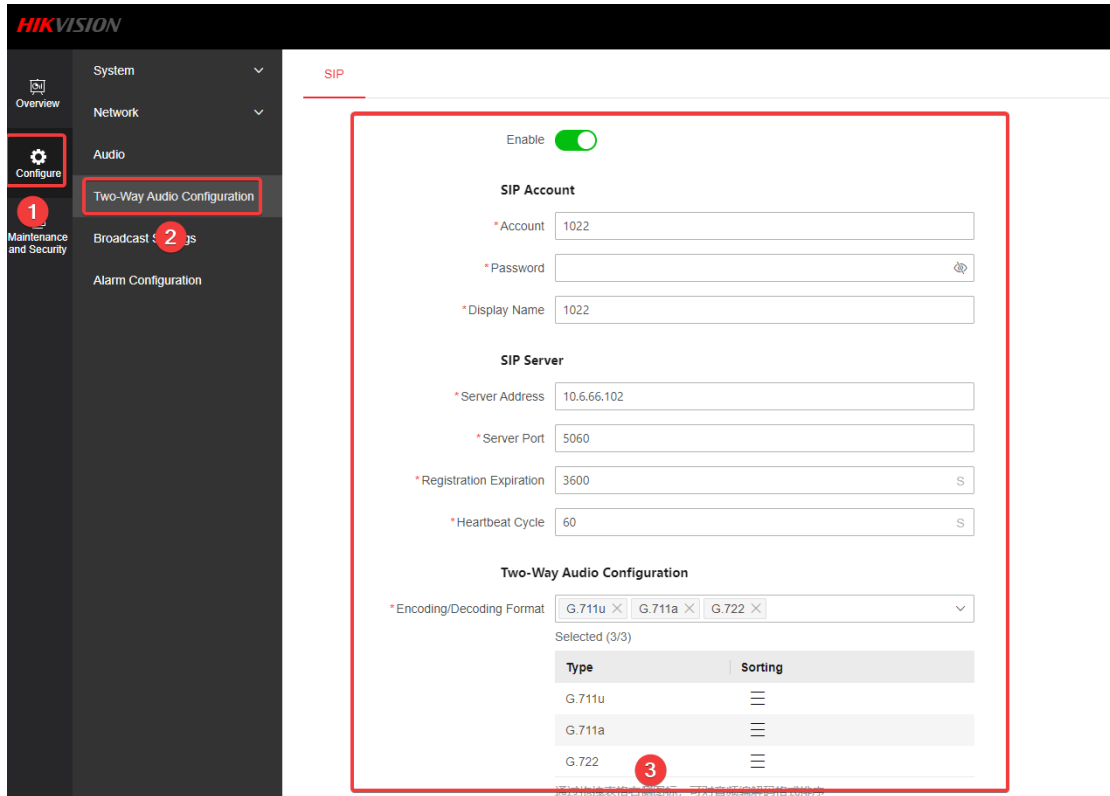
9. Bluetooth Configuration

On Bluetooth configuration page, after enabling the Bluetooth function and setting the Bluetooth name and password, a user can use a Bluetooth-enabled device such as a mobile phone to connect to the IP Speaker to play music or do one-way speak.



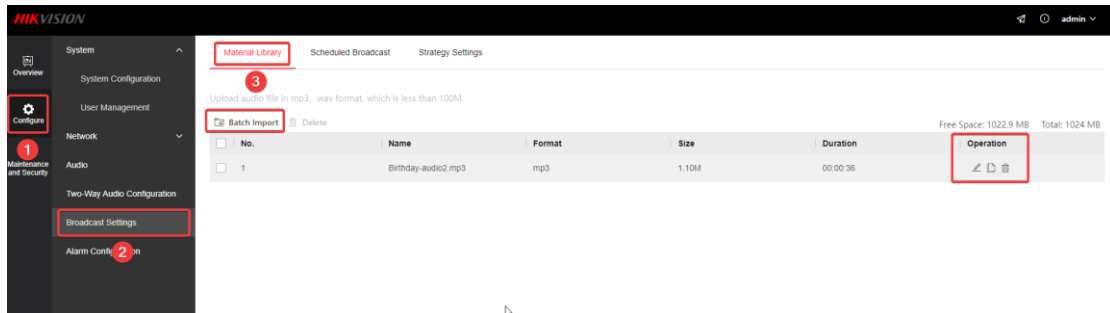
10. SIP Configuration

On SIP configuration page, users can do SIP two-way audio configuration. For the detailed information, please check the document attached in Appendix.



11. Material Library Management

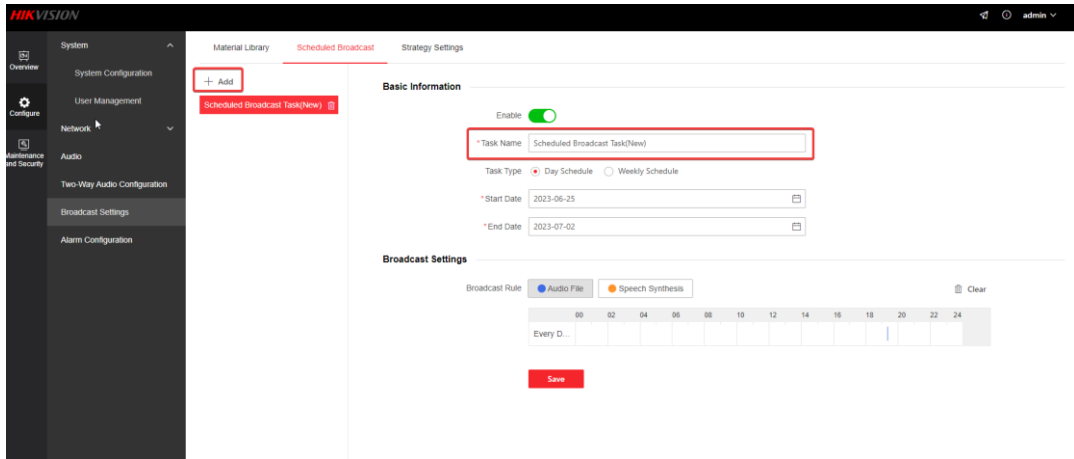
On material library management page, users can import, rename, and delete audio materials of IP Speaker.



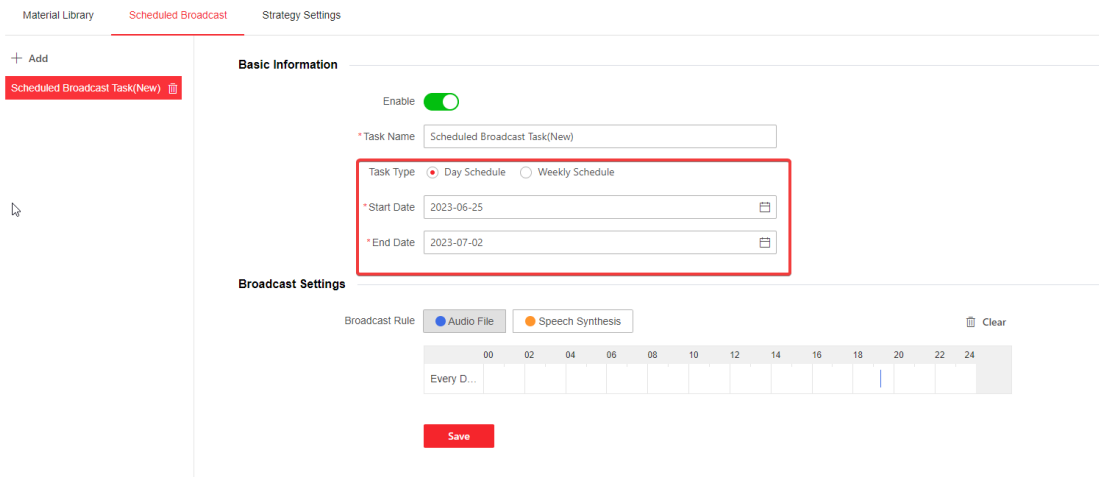
12. Scheduled Broadcast Configuration

The IP Speaker supports periodic broadcasting on the Web side. The configuration procedure is as follows:

- 1) Click Add to add a scheduled broadcast plan. Users can customize and name the plan.



- 2) Choose task type as day schedule or weekly schedule, and set the start date and end date of the task.



- 3) According to the actual requirements, select the broadcast rule as audio file or TTS voice, and drag the mouse to configure the broadcast time in the following schedule.

Basic Information

Enable

*Task Name

Task Type Day Schedule Weekly Schedule

*Start Date

*End Date

Broadcast Settings

Broadcast Rule Audio File Speech Synthesis Clear

1

	00	02	04	06	08	10	12	14	16	18	20	22	24	
Monday	[Blue bar from 00:00 to 10:00]													
Tuesday					[Orange bar from 06:00 to 08:00]		[Blue bar from 10:00 to 16:00]							
Wedne...														
Thursday														
Friday														
Saturday														
Sunday														

2

Save

Note:

Schedule can be copied to other dates via clicking the sheet icon.

Broadcast Rule Audio File Speech Synthesis Clear

Copy to...

Select All Monday Tuesday Wednesday Thursday Friday Saturday Sunday

OK Cancel

1

- 4) Click on the color bar of the schedule to refine the time range by entering a specific time.

1st Rule Audio File Speech Synthesis Clear

01:17:00 - 10:47:00

Advanced Configuration Delete

2

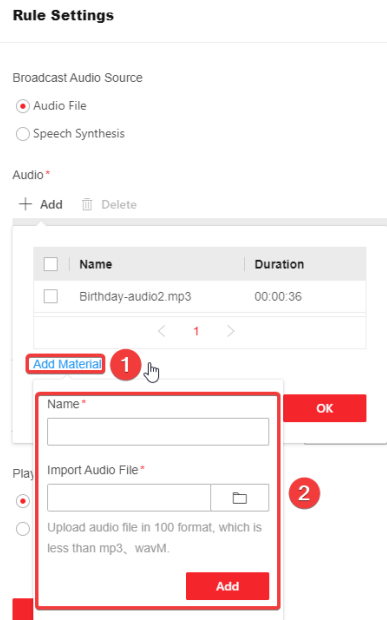
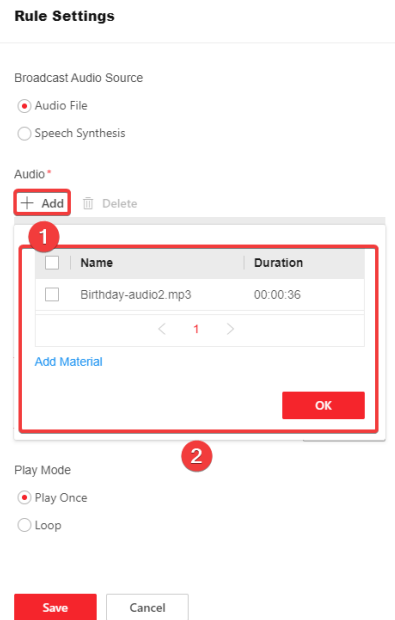
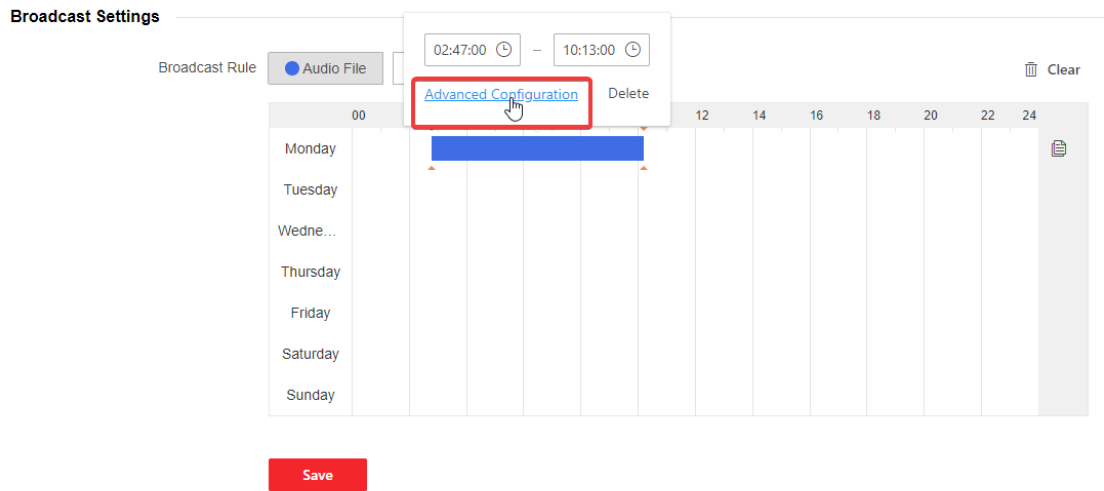
	00	12	14	16	18	20	22	24						
Monday	[Blue bar from 00:00 to 10:00]													
Tuesday														
Wedne...														
Thursday														
Friday														
Saturday														
Sunday														

1

- 5) Click Advanced Configuration for further setting the schedule broadcast.

If users want to select an audio file as the broadcast audio source, you can click Add

to add an audio file in the library or upload a new audio file from your computer.



If users select TTS as the audio source file to broadcast, they can input text and select the voice type. Then the built-in TTS module of the device will convert text into voice for broadcasting.

Rule Settings

Broadcast Audio Source

Audio File

Speech Synthesis

Audio Content* 0/8192

Punctuation will affect semantics during TTS. Please use punctuation correctly, or check rules of numbers and letters in the help document.

Audio Type

Male

Female

Volume

100

Broadcast Ratings

5

Play Mode

Play Once

Loop

Save Cancel

After the audio source is configured, you can further configure the voice volume, broadcast priority (for details, see the IP Speaker Priority Strategy in appendix), and broadcast mode (single broadcast or loop broadcast).

Rule Settings

Broadcast Audio Source

Audio File

Speech Synthesis

Audio Content* 0/8192

Punctuation will affect semantics during TTS. Please use punctuation correctly, or check rules of numbers and letters in the help document.

Audio Type

Male

Female

Volume

100

Broadcast Ratings

5

Play Mode

Play Once

Loop

Play Duration*

08:11:00

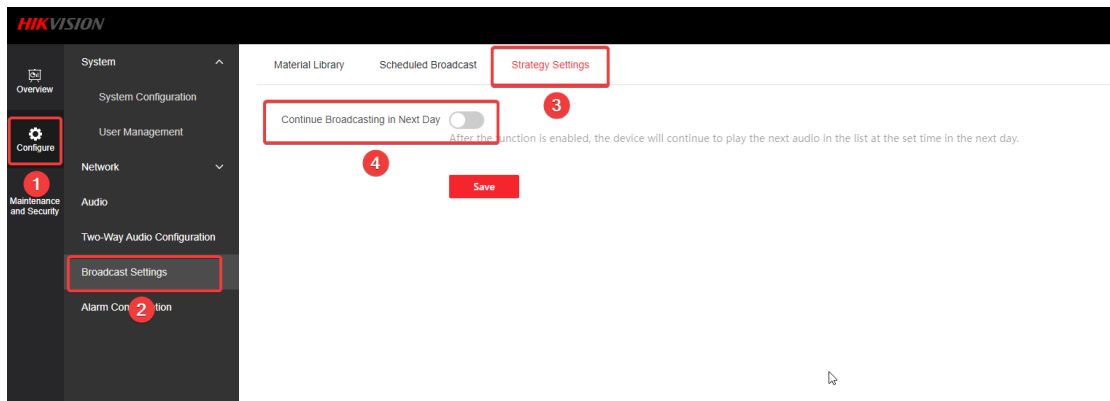
Save Cancel

6) Click 'Save' to save configuration.

13. Strategy Settings

On Strategy Settings interface, users can enable Continue Broadcast in Next Day, which means that in the case of scheduled broadcast, if the configured audio file list is not

completed in one day, the broadcast will start from the next unbroadcast file in the list on the next day.

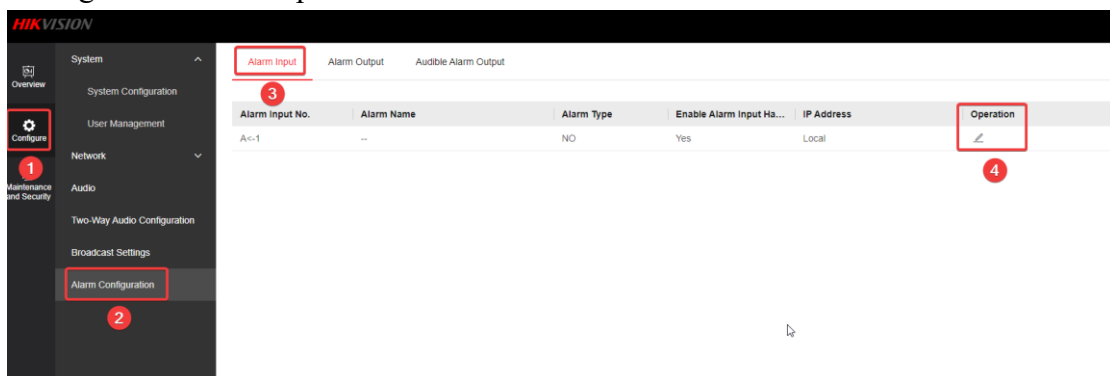


14. Alarm Input Configuration

If the device supports the alarm input/output interface, users can configure the alarm input/output on the web side of the device.



Enter the alarm input configuration interface and click the pencil icon under Operation to configure the alarm input.



The specific configuration of alarm input can refer to the following steps:

- 1) Customize the alarm name, select the alarm type (normally open or normally closed), enable the alarm input, and configure the alarm input arming schedule.

Edit
✕

Alarm Input No.
A->1

IP Address
Local

Alarm Type
NO

Alarm Name
test

Enable Alarm Input Handling

Arming Schedule

Instant ...
Clear

	00	02	04	06	08	10	12	14	16	18	20	22	24
Monday													
Tuesday													
Wednesday													
Thursday													
Friday													
Saturday													
Sunday													

Linkage Method

Save
Cancel

2) Configure the alarm input linkage mode, you can choose linkage audio, or linkage alarm output.

Edit
✕

Alarm Type
NO

Alarm Name
test

Enable Alarm Input Handling

Arming Schedule

Instant ...
Clear

	00	02	04	06	08	10	12	14	16	18	20	22	24
Monday													
Tuesday													
Wednesday													
Thursday													
Friday													
Saturday													
Sunday													

Linkage Method

Audio Linkage

Link Alarm Output

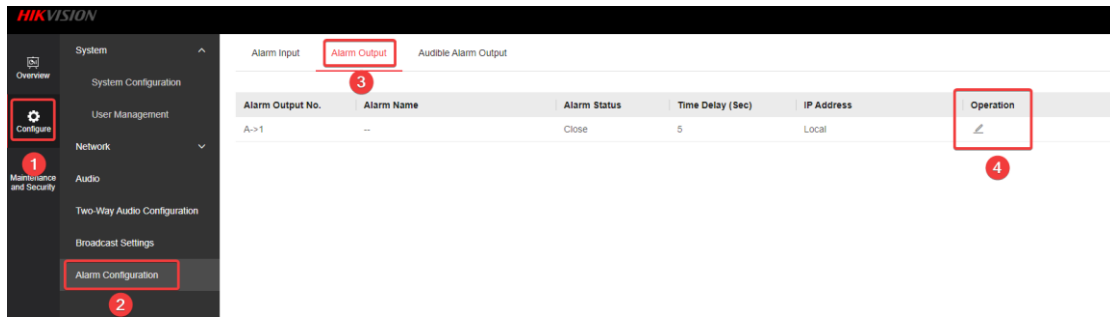
Select All

A->1

Save
Cancel

15. Alarm Output Configuration

On the alarm output configuration interface, users can click the pencil icon under Operation to configure the alarm output.



When configuring the alarm output, the user needs to customize the alarm output name, set the alarm output duration time and arming schedule. Users can also click Manual Alarm to trigger the alarm output manually.

Edit ✕

A->1

IP Address
Local

Alarm Status
Close

Alarm Name

Delay
5 sec

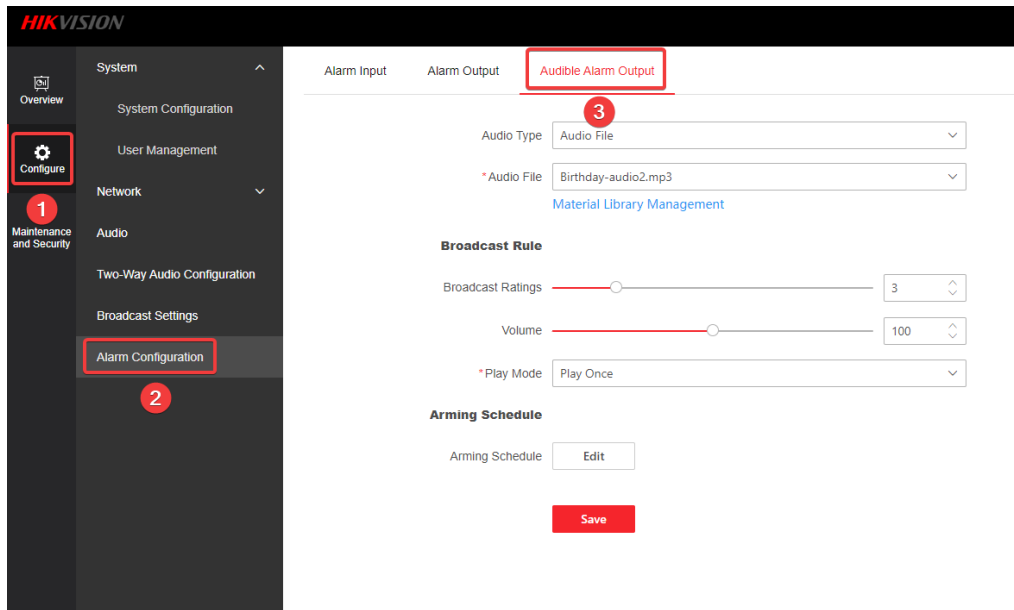
Arming Schedule

	00	02	04	06	08	10	12	14	16	18	20	22	24
Sunday													
Monday													
Tuesday													
Wednesday													
Thursday													
Friday													
Saturday													

Manual Alarm

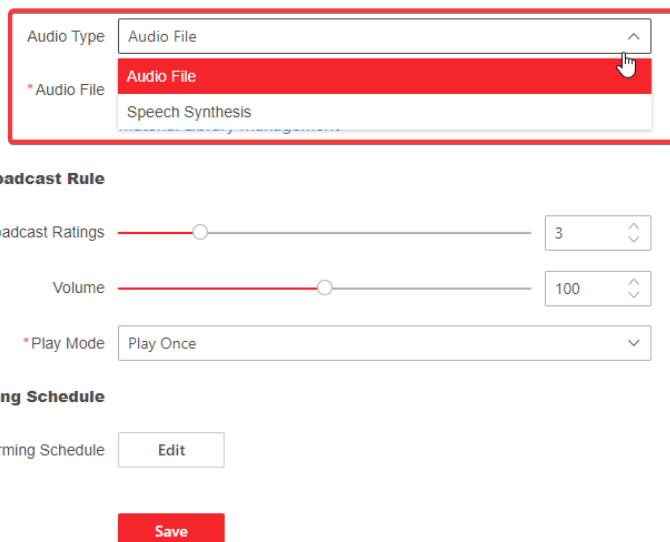
16. Audible Alarm Output Configuration

On alarm input audio configuration interface, users can configure the audio of the alarm input linkage.

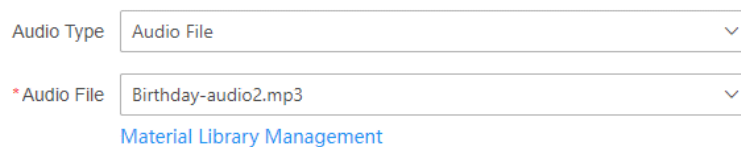


The configuration steps are as follows:

- 1) Select the Audio Type as Audio File or Speech Synthesis.



- 2) If the audio type is set to audio file, users need to select the audio in the material library as the play material. If TTS is selected, users need to enter the speech content and the speech type (male or female) to be synthesized.



Audio Type

*Audio Content

Audio Type Male Female

- 3) Set broadcast priority (for the priority strategy, see the attached "Audio Priority Strategy" in appendix), volume, and broadcast mode (play once or loop).

Broadcast Rule

Broadcast Ratings

Volume

*Play Mode

- 4) Configure the audio broadcast arming schedule as required.

The screenshot shows the 'Arming Schedule' configuration interface. On the left, the 'Arming Schedule' section is highlighted with a red box, and a red '1' is placed next to the 'Save' button. On the right, a separate 'Arming Schedule' dialog box is shown, featuring a calendar grid for days of the week (Monday to Sunday) and hours of the day (00 to 24). The grid is currently empty, and a red '2' is placed next to the dialog box.

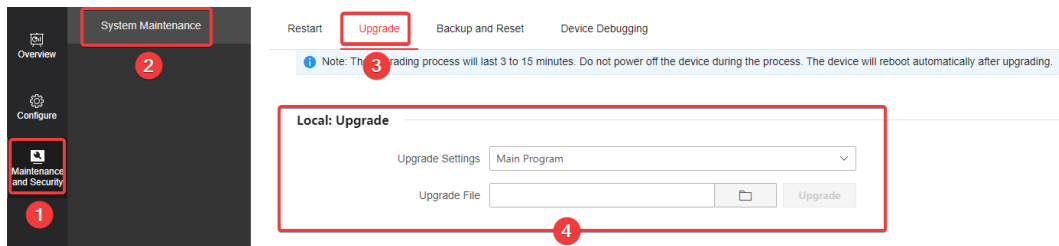
17. Device Restart

On the Restart interface, users can click Restart to reboot IP Speaker.

The screenshot shows the 'System Maintenance' interface. The 'Restart' button is highlighted with a red box, and a red '4' is placed next to it. The 'Restart' button is located in the 'Manual Restart' section. The 'Restart' button is located in the 'Manual Restart' section.

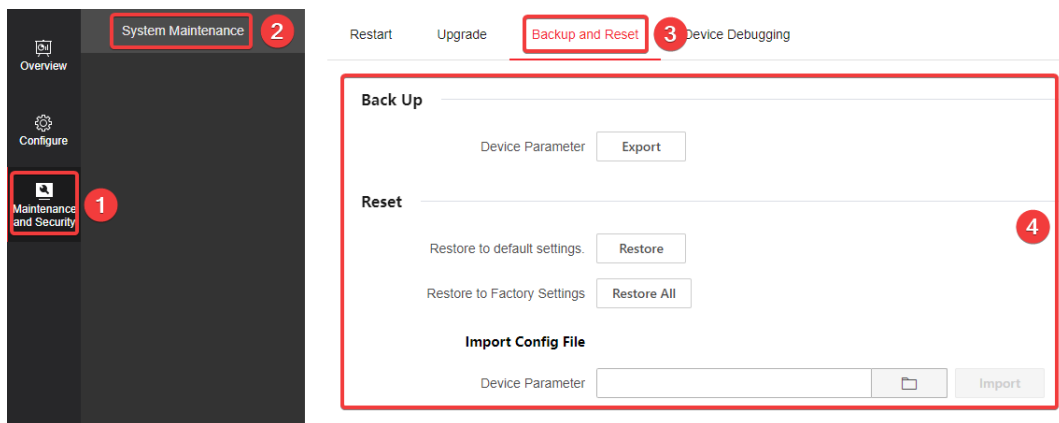
18. Device Upgrade

On Upgrade interface, users can upgrade device after selecting upgrade file path of computer.



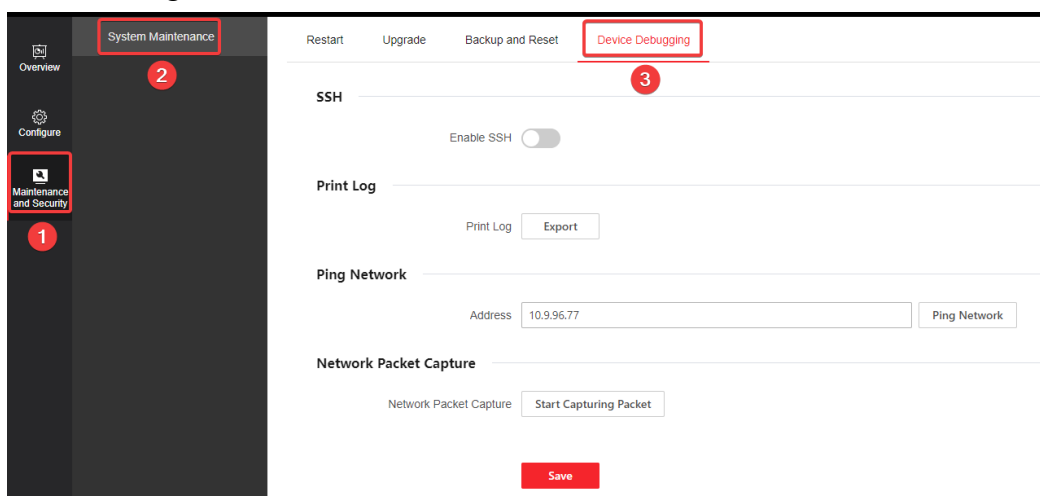
19. Device Backup and Reset

On Backup and Reset interface, users can manually reset the device or import/export parameter files to back up the device.



20. Device Debugging

On Device Debugging page, users can perform the following operations to do troubleshooting for the device:



1) The device supports the SSH function to obtain device running information for

troubleshooting.

SSH

Enable SSH

- 2) If the device is abnormal, you can export the printed logs of the device to technical support or R&D for troubleshooting.

Print Log

Print Log

- 3) After you enter an IP address in the Ping Network function, the device will check whether other devices occupy the IP address or not.

Ping Network

Address

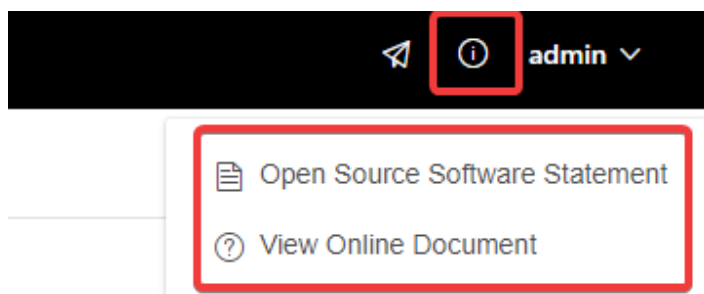
- 4) The IP Speaker can capture packets on the device directly on the Web. After capturing packets, the IP speaker can download and export them directly on the PC.

Network Packet Capture

Network Packet Capture

21. Other

Click help at the upper right corner of the Web terminal to open the open source information and online help documents. Users can view them as required.



Instruction of HCP solution



HCP2.4.1-自研IP
Speaker业务交付方

Appendix

1. Audio Priority Strategy



IP Speaker
优先级.xlsx

2. IP Speakers Selection Guide

3. SIP Configuration Guide



IP
Speaker配合使用S