

# IP Strobe Speaker User Manual



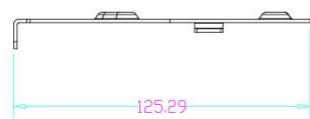
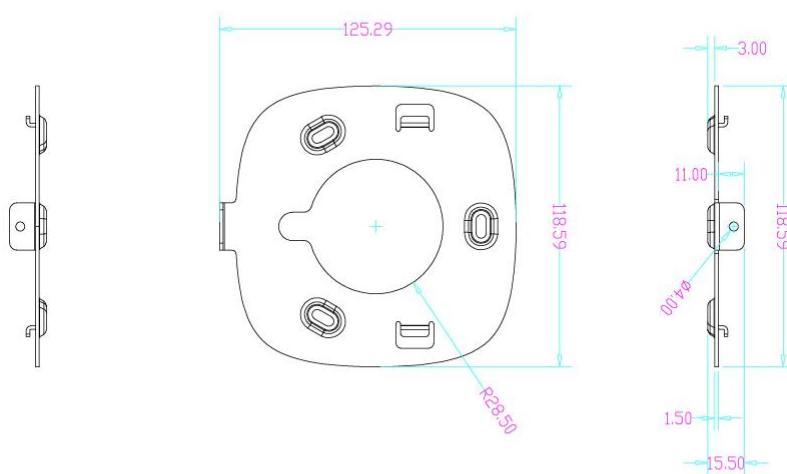
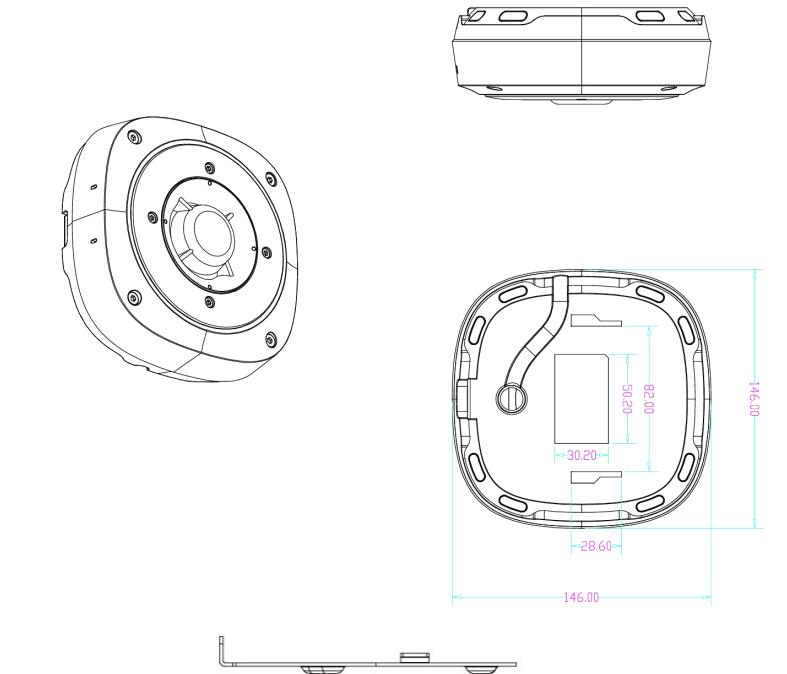
Version:2025.09.18

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# 1. Product Introduction

## 1.1 Product dimensions



## 1.2 Product/ Wiring Description

No./ Name	Description
DC Connector	DC 12-36V, DC12V/4A
LAN	POE++
Alarm In	Yes
Alarm Out	Yes
Reset	Yes
Audio Input	Yes, RCA Female
<b>Caution: IP strobe speaker power can be upto 45W Max!</b>	

## 2. Log in Web Page

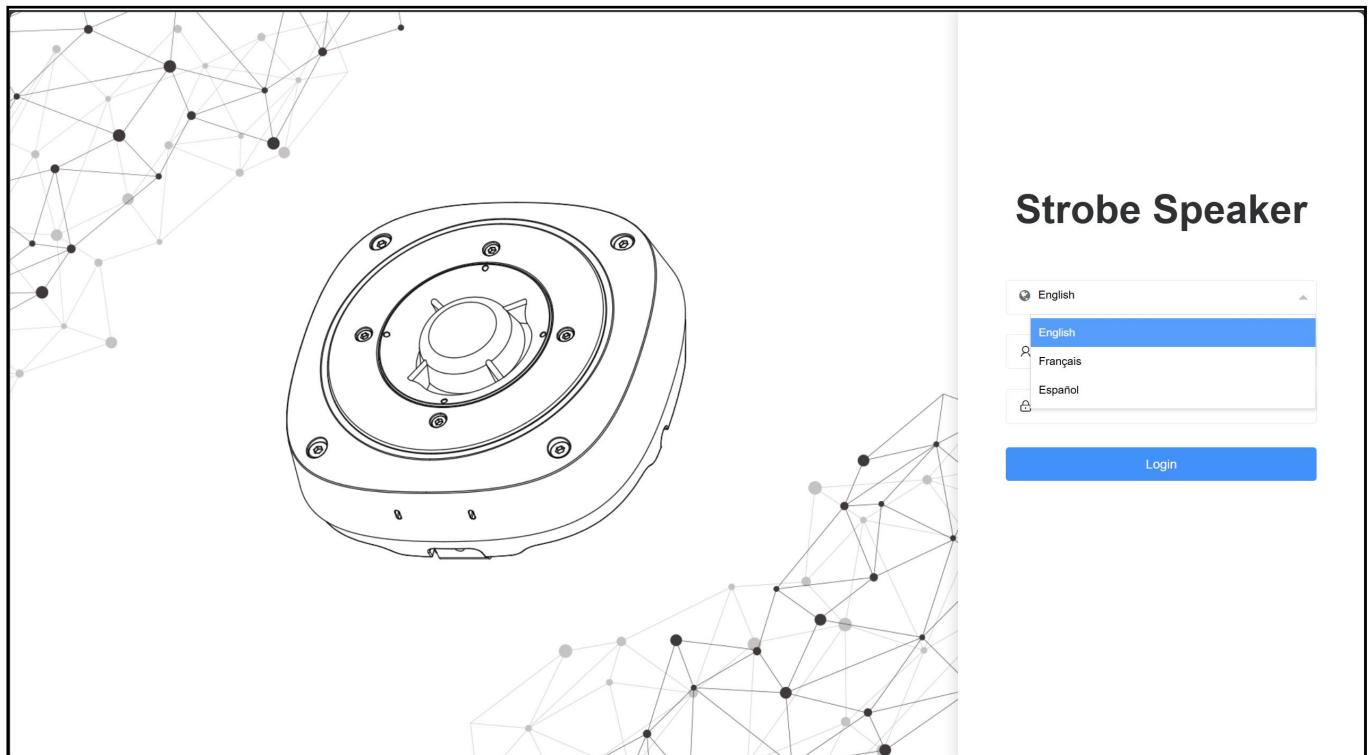
Static IP Address: 192.168.0.100

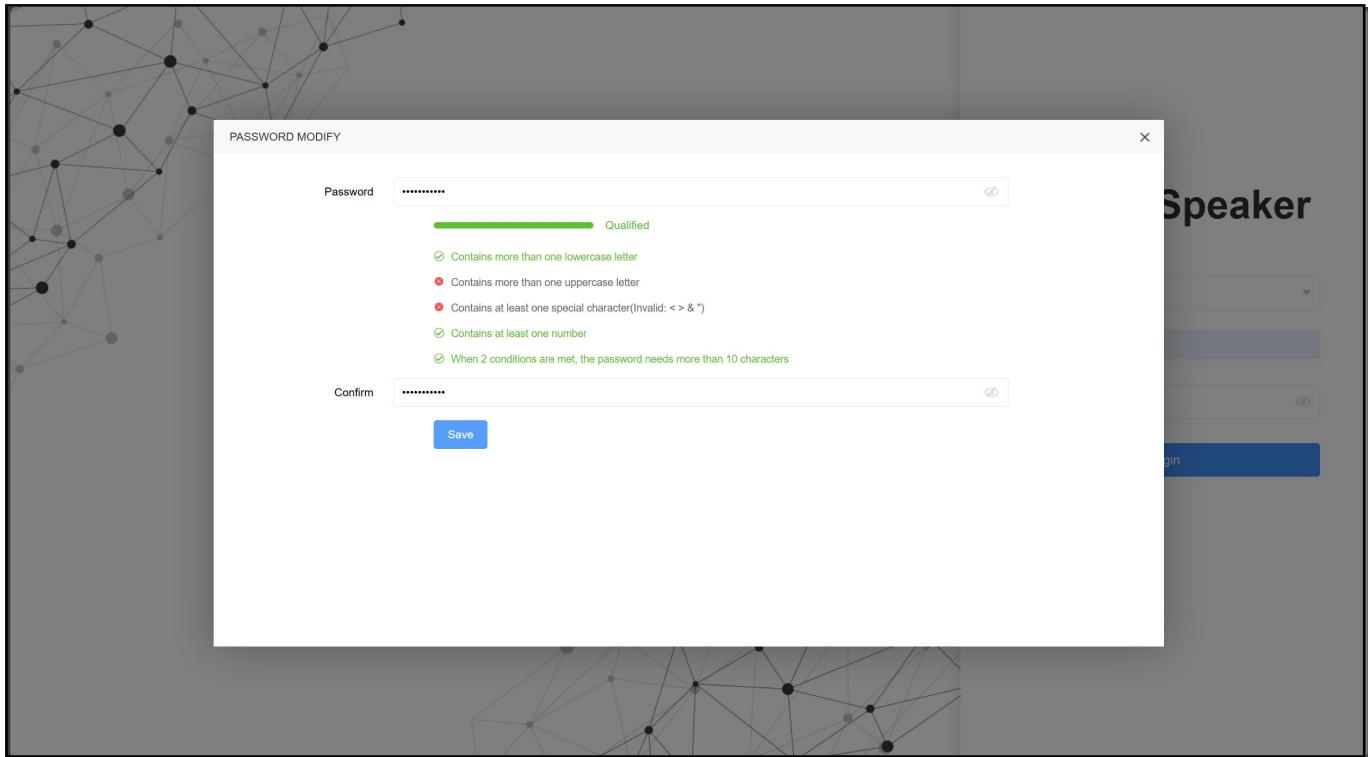
**DHCP Enabled as Default**

Default User Name: admin;

Default PW: 111111

**Note: You must change password**





### 3. Resource

This page includes “Audio” and “Led” resources.

**Audio:** IP strobe speaker has default pre-recorded audios, users can also upload the audios they need to play, by clicking “Custom” button.

**Audio File Format:** WAV      **Channel Type:** Mono      **Sampling Rate:** 8K

**Led:** IP strobe speaker has “Front” and “Back” lights, both are made of RGB.

**Color:** Red/Green/Blue/White/Yellow/Violet/Cyan.

**Pattern:** Front and Back lights will work differently for different application purposes.  
Front Light:Steady/1 Sec Blink/ 2 Sec Blink/ 5 Sec Blink/ Breathe and Strobe.  
Back Light:Steady/Chase.

**Note:** Led intensity and strobe frequency can be customized by user, they are listed in the “Schedule” page.

No.	Name	Operate
1	Stop it.wav	
2	output_stereo.wav	
3	Emergency.wav	
4	You are Monitored.wav	
5	Emergency_8k.wav	
6	You are Monitored_8k.wav	
7	You are not Alone.wav	
8	Stop Fighting.wav	
9	Restricted Area.wav	

## 4. Schedule

### 4.1 Alarm Config

Totally users can config 5 alarm schedules based on different time needs.

No.	Schedule	Name	Time Frame	Audio	Front Light	Back Light	Operate
1			00:00:00 - 23:59:59				
2			00:00:00 - 23:59:59				
3			00:00:00 - 23:59:59				
4			00:00:00 - 23:59:59				
5			00:00:00 - 23:59:59				

When IP strobe speaker is triggered by external devices like camera alarm output, IP strobe speaker will work according to user's configuration there.

**Alarm Schedule**

Alarm Enable

Name

Time Frame  00:00:00 -  23:59:59

Week Sun  Mon  Tue  Wed  Thu  Fri  Sat

Alarm Out

Duration  10 (Sec)

**Audio**

Audio Enable

Audio File  Stop it.wav

Audio Volume  80 (0-100)

**Front Light**

Front Light Enable

Front Light Color1  White

Front Light Color2  None

Front Light Mode  Steady

Front Light Brightness  255 (0-255)

**Back Light**

Back Light Enable

Back Light Color  White

Back Light Mode  Steady

Back Light Brightness  255 (0-255)

Network Notification  HTTP  BroadCast

Send Email

**Buttons**

**Alarm Out:** When IP strobe speaker is triggered, you can choose whether send this alarm signal to send to other devices by GPIO Alarm out on the cable.

**Duration:** It means alarm lasting time.

**Audio Volume:** Here you can config when alarm happens, the audio voice volume.

**Front Light Color 1 and 2:** When alarm happens, front light can work with 1 color or 2 colors together. For example, when alarm happens, if you want red and blue color strobe, then you can

choose color 1 as RED, and color 2 as BLUE, and "Front Light Mode" choose "Strobe".

**Network Notification:** When alarm happens, you can also decide whether to send the alarm event to 3<sup>rd</sup> party by HTTP, or send notification to other IP strobe speakers in the same local network, it is called "BroadCast".

**Email:** When alarm happens, you can decide whether to send email for notification.

**Test:** "Test" button is used to approve your settings are correct or not.

## 4.2 Idle Config

Idle schedule is used for when there is no alarm happens, how you will want the device to work. The IP strobe speaker can be used for audio broadcasting or flash lights as reminding/attract visitors.

Idle totally has 5 schedules based on your different time needs.

**Idle Schedule**

Idle Enable

Name

Time Frame  00:00:00 -  23:59:59

Week  Sun  Mon  Tue  Wed  Thu  Fri  Sat

Cycle Mode

Interval  60 (Sec)

**Audio**

Audio Enable

Audio File  Stop it.wav

Audio Volume  (0-100)

**Front Light**

Front Light Enable

Front Light Color1

Front Light Color2

Front Light Mode

Front Light Brightness  (0-255)

**Back Light**

Back Light Enable

Back Light Color

Back Light Mode

Back Light Frequency  100 (ms)

Back Light Brightness  (0-255)

## 5. Talk(Two Way Communication)

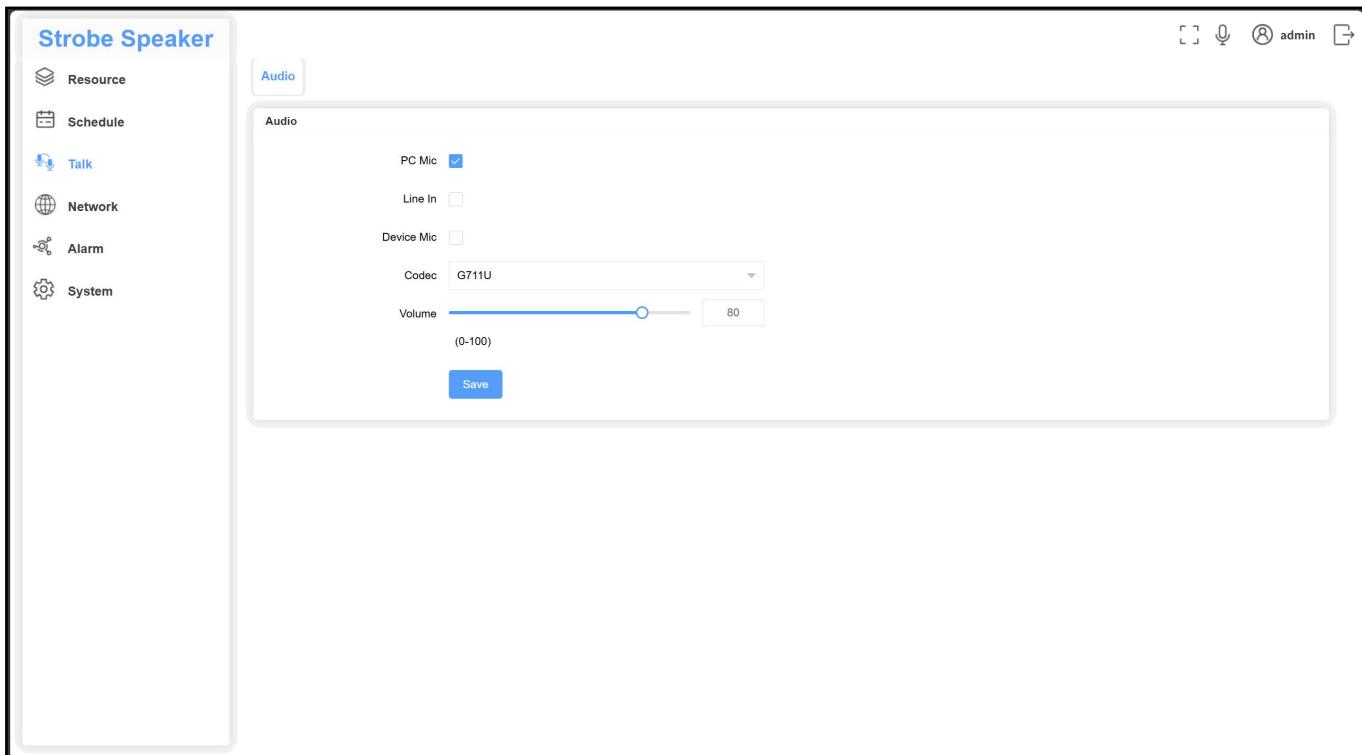
**PC Mic:** If you need to talk via VMS/NVR, you need to ENABLE it. It is default as “Enabled”.

**Line In:** Talk down directly via your analog device.

**Device Mic:** it means IP strobe speaker’s Mic. If you need to listen, you need to enable it first.

**Codec:** G711U,G711A, AAC

**Volume:** Talk down’s voice volume adjustment.



Note: If you need to talk through web directly, please click the talk button on the top right, as picture showed above.

## 6. Network

This page includes: TCP/IP, Email,HTTP/HTTPs,RTSP and WIFI.

**TCP/IP:** DHCP is enabled as default.

**Email:** When alarm happens, you can send email to notify. After your setting done, you can click “Test” to approve your settings are correct or not.

**Strobe Speaker**

TCP/IP Email HTTP/HTTPs RTSP WIFI

Enabled

Alarm Subject

SMTP Server  Enter SMTP server address

SMTP Port  25

Encryption Method  no encryption

Send Email

Sender Password

Recipient Address

Recipient Address

Recipient Address

Recipient Address

Recipient Address

Save  Test

### HTTP/HTTPs:

HTTP default port is 80, Onvif port is same as HTTP.

HTTPs default port is 443.

HTTP

HTTP Port  80

ONVIF Port  80  
(Same as HTTP Port)

Save

HTTPs

Enable

HTTPs Port  443

Save

### RTSP:

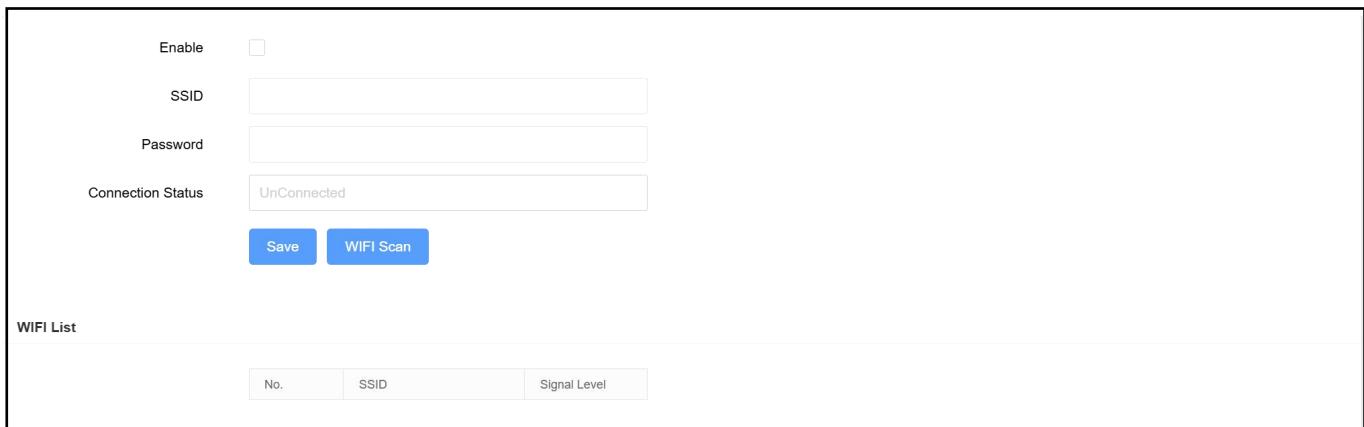
RTSP default port is 554.

Port  554  
(1-65535)

RTSP Authentication  Enable

Save

**WIFI:** WiFi supports 2.4GHz.  
SSID and PW is mandatory for WiFi connection.

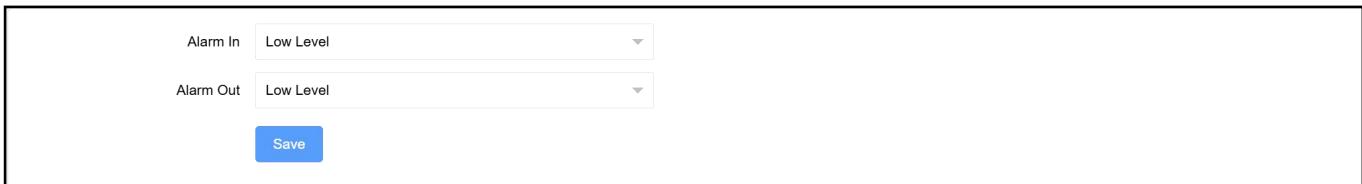


The interface shows the configuration for a WiFi connection. It includes fields for 'Enable' (checkbox), 'SSID' (text input), 'Password' (text input), and 'Connection Status' (text input showing 'UnConnected'). Below these are 'Save' and 'WIFI Scan' buttons. At the bottom, there is a 'WIFI List' section with a table header: 'No.', 'SSID', and 'Signal Level'.

## 7. Alarm

### 7.1 Alarm Level

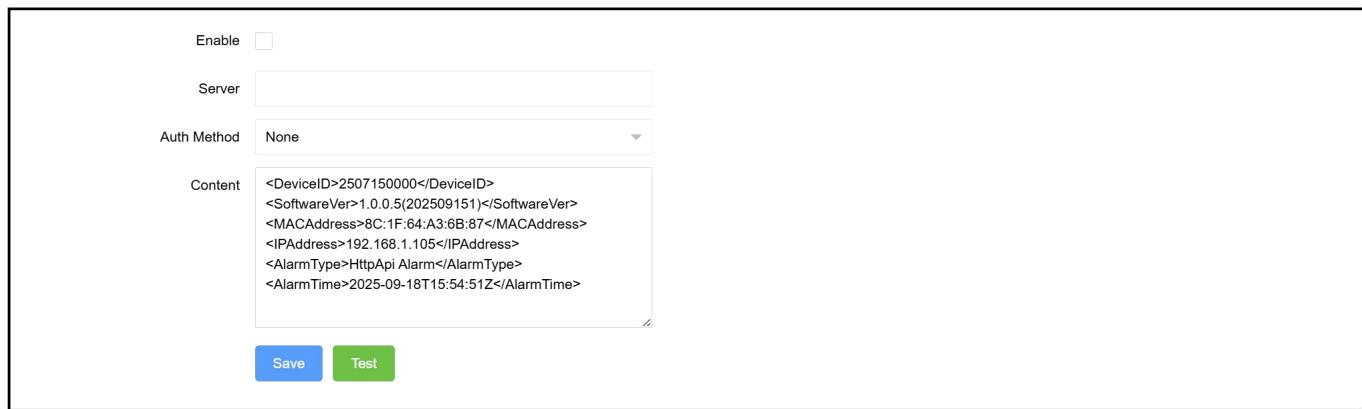
Alarm In has low and high level, default with Low Level;  
Alarm Out has low and high level, default with Low Level.



The interface shows the configuration for alarm levels. It includes dropdown menus for 'Alarm In' (set to 'Low Level') and 'Alarm Out' (set to 'Low Level'). Below these is a 'Save' button.

### 7.2 HTTP Linkage

It means when alarm happens, the device can send alarm to 3<sup>rd</sup> party platform for notification.



The interface shows the configuration for HTTP linkage. It includes fields for 'Enable' (checkbox), 'Server' (text input), 'Auth Method' (dropdown menu showing 'None'), and a 'Content' area containing XML code. Below these are 'Save' and 'Test' buttons.

### 7.3 BroadCast Linkage

It means when alarm happens, users can decide whether to notify the other IP strobe speakers in the same local network. When these IP strobe speakers receive the alarm signal, then they will also work based on the alarm schedules.

Users can configure which IP strobe lights will receive the alarm, and also users can configure these lights whether will accept the alarm.

Send Option	
Full Network	<input type="checkbox"/>
Method	<input type="radio"/> IP List <input type="radio"/> IP Segment
Receive Option	
Enable	<input type="checkbox"/>
<input type="button" value="Save"/> <input type="button" value="Test"/>	

## 8. System

### 8.1 Device Info

Under this page, “Device Name” can be changed based on your needs.

Device Model	Strobe Speaker
Firmware Version	1.0.0.5(202509151)
Device Name	Strobe Speaker
MAC Address	8C:1F:64:A3:6B:87
IP Address	192.168.1.105
<input type="button" value="Save"/>	

### 8.2 Maintenance

**Auto Reboot:** you can config which date to reboot the IP strobe speaker.

**Factory Default:** Here you can default the IP strobe speaker.

**Configuration File:** You can download your configure file.

**Profile Upload:** You can upload your configure file to apply to this strobe speaker.

**Firmware Upgrade:** Here you can upgrade the FW, select the FW file, and then upgrade.

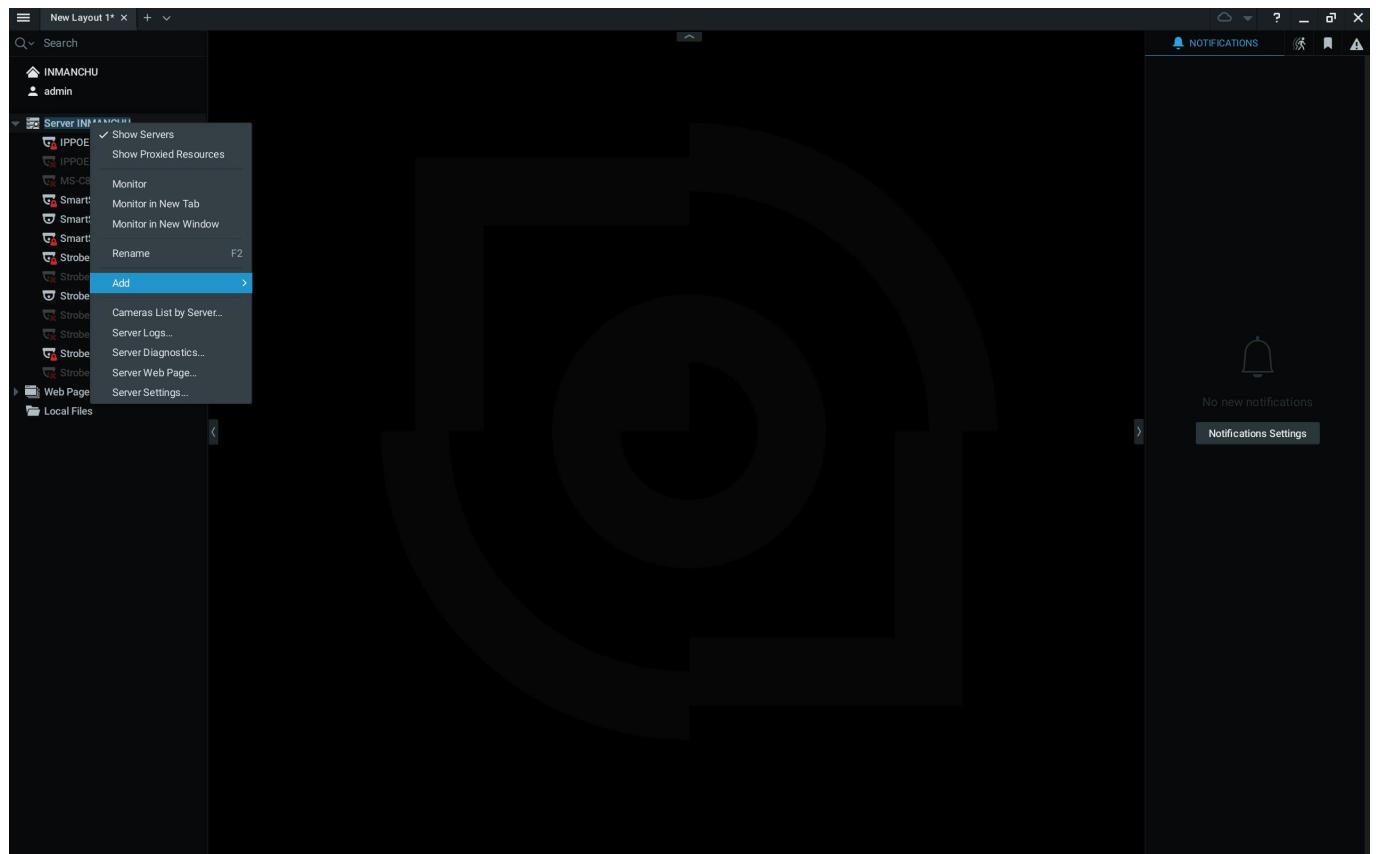
Auto Reboot	<input type="checkbox"/>
<input type="button" value="Save"/>	
Reboot	<input type="button" value="Confirm"/>
Factory Default	<input type="button" value="Confirm"/>
Configuration File	<input type="button" value="Download"/>
Profile upload	<input type="button" value="Select File"/>
Firmware Upgrade	<input type="button" value="Select File"/>

## 9. Integration with VMS(NX Witness VMS as Example)

Integration by Onvif.

Step 1: After you open NX VMS, click server and click “Add” and click “Device”.

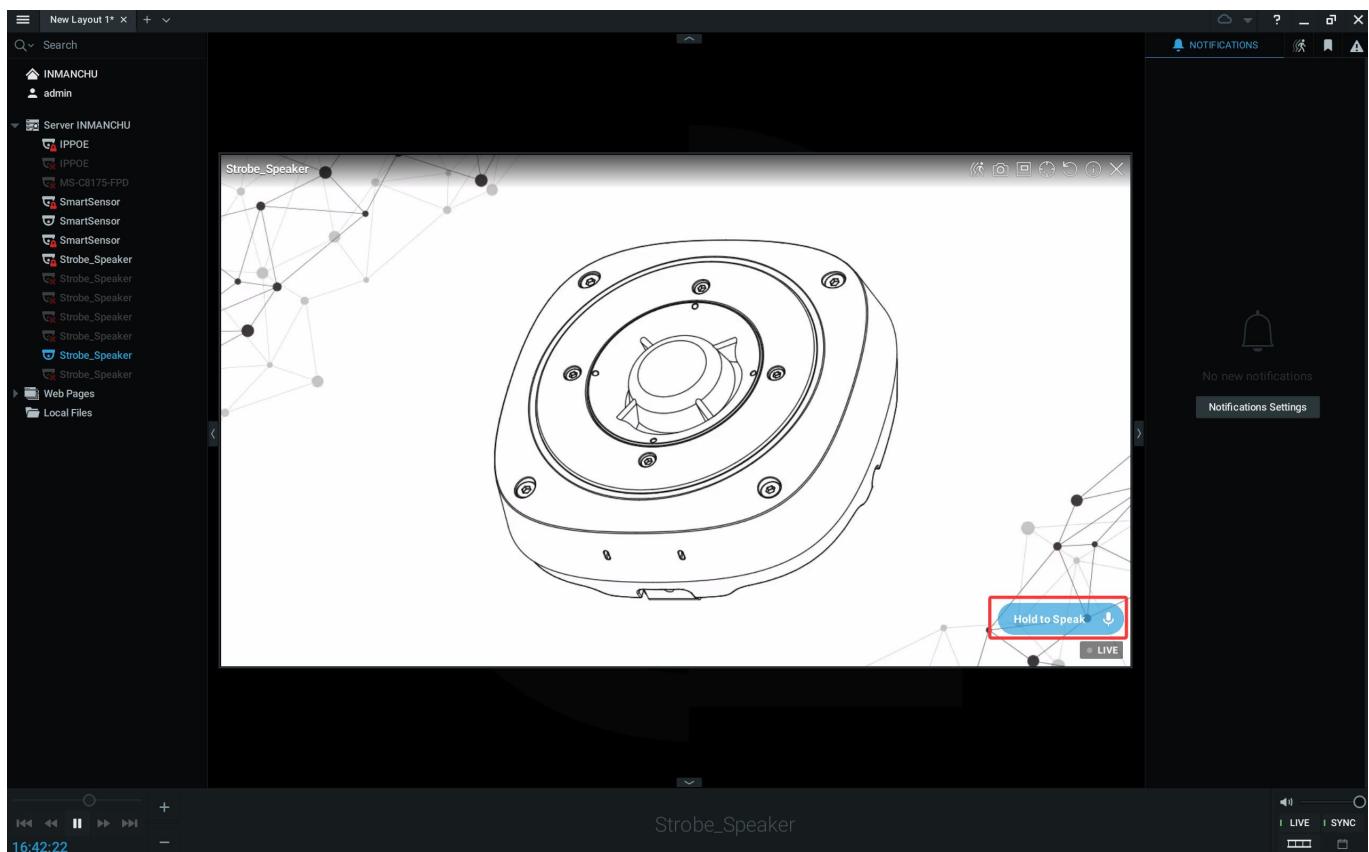
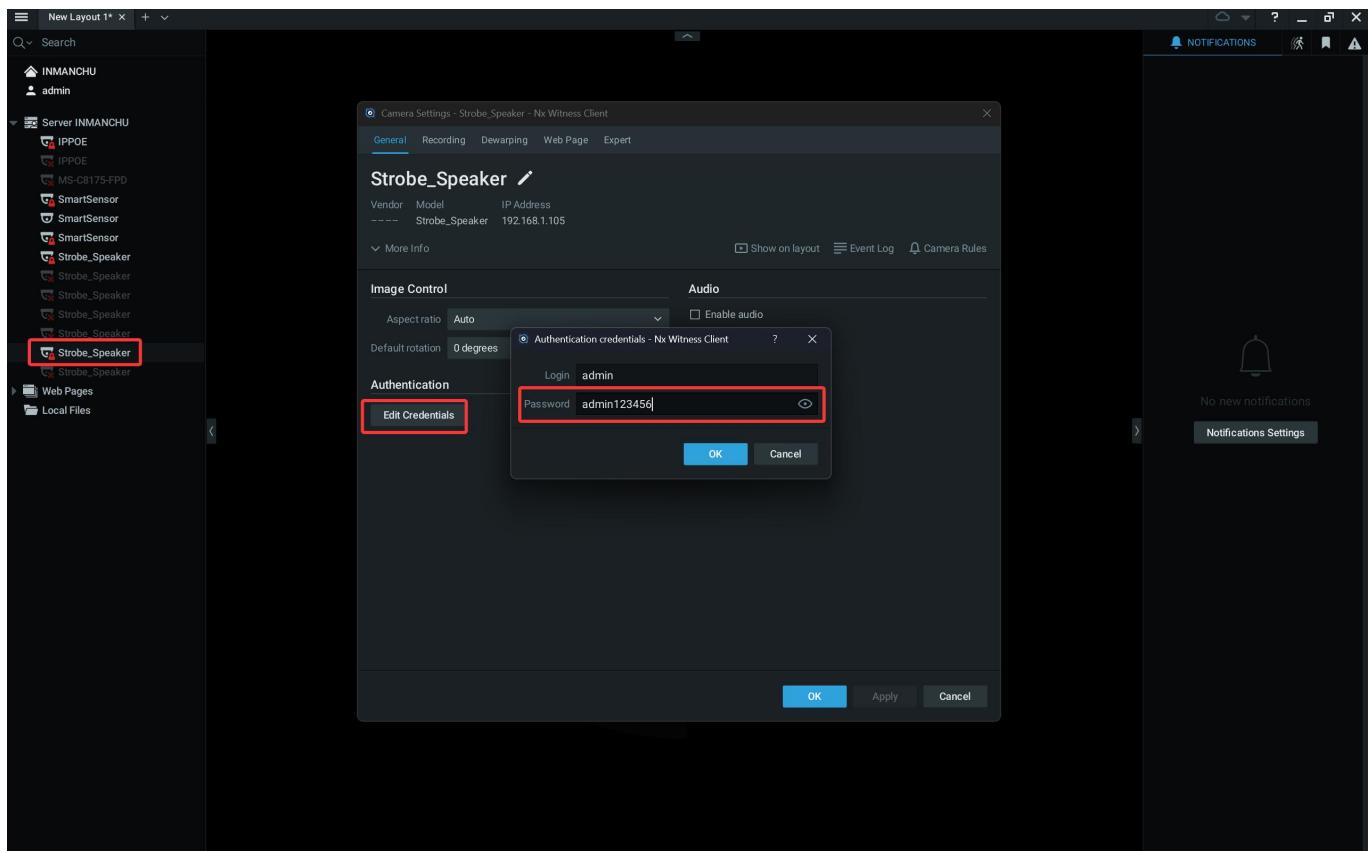
**Note:** Since IP strobe speaker is Onvif compliant, so on the left side of NX VMS, it will find out the IP strobe speaker directly.



Step 2: Right click “Strobe Speaker”, and click “Camera Settings”, and click “Edit Credentials”, and then type in correct User Name and PW of strobe speaker, then click “OK”, then click “Apply”.

After above done, double click “Strobe Speaker”, then the video stream will appear.

And if you want to talk down via NX VMS, please hold the speak button as showed below:



## 10. HTTP API Alarm

URL:

<http://192.168.1.88/ISAPI/Event/ApiAlarm>

Authority: Basic/Digest

XML:

```
<ApiAlarm>
<AlarmEnable>1</AlarmEnable>
<AlarmOutEnable>0</AlarmOutEnable>
<AlarmOutDuration>10</AlarmOutDuration>
<PlayEnable>1</PlayEnable>
<PlayFile>You are Monitored.wav</PlayFile>
<Volume>50</Volume>
<CycleMode>1</CycleMode>
<PlayTimes>3</PlayTimes>
<Interval>5</Interval>
<FrontLightEnable>1</FrontLightEnable>
<FrontLightColor1>1</FrontLightColor1>
<FrontLightColor2>1</FrontLightColor2>
<FrontLightDisplayMode>1</FrontLightDisplayMode>
<FrontLightBrightness>255</FrontLightBrightness>
<FrontLightFrequency>100</FrontLightFrequency>
<BackLightEnable>1</BackLightEnable>
<BackLightColor>1</BackLightColor>
<BackLightDisplayMode>1</BackLightDisplayMode>
<BackLightBrightness>255</BackLightBrightness>
<BackLightFrequency>100</BackLightFrequency>
</ApiAlarm>
```