

How Does IP Speaker Work On the HikCentral V2.1

Applicable to:

HikCentral Professional: Version 2.1

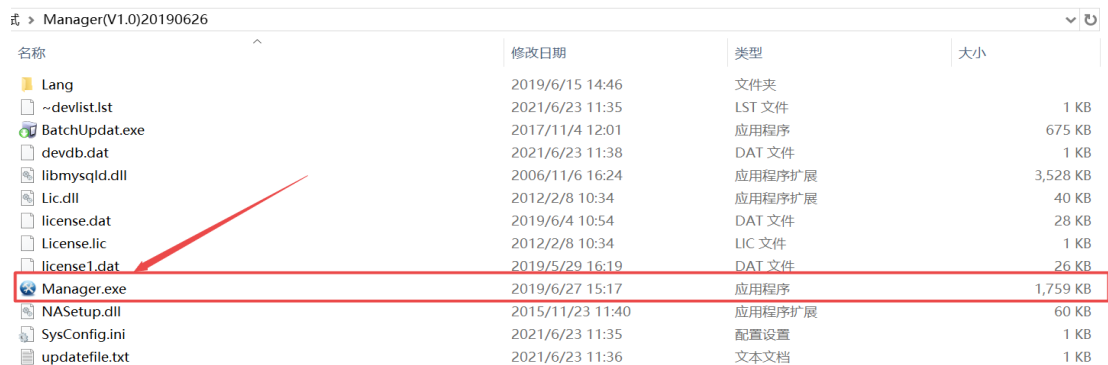
IP Speaker: DS-PA0103 (Firmware: V6.1.0b9)

Configuration On Web Client

1. Configure the Device IP

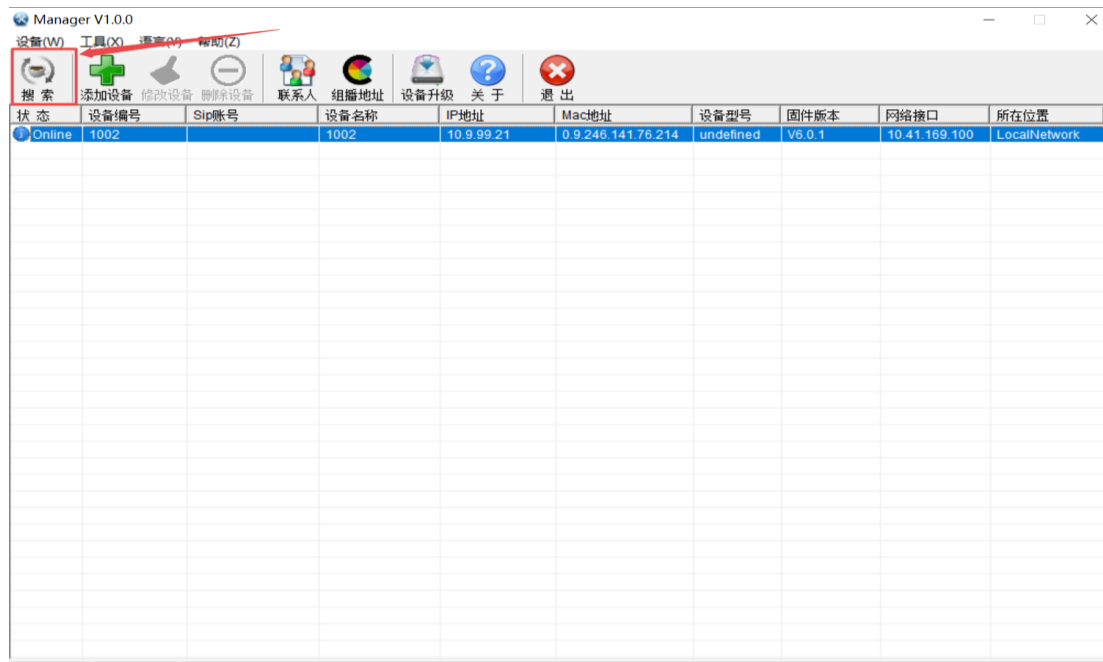
We have to use the specific tool which is called Manager to search for the device' s ip when adding firstly. Please make sure your PC is on the same LAN with the device.

Note: If the device' s IP is not set on the same LAN, it cannot be searched. You should link the PC with device directly.



名称	修改日期	类型	大小
Lang	2019/6/15 14:46	文件夹	
~devlist.lst	2021/6/23 11:35	LST 文件	1 KB
BatchUpdat.exe	2017/11/4 12:01	应用程序	675 KB
devdb.dat	2021/6/23 11:38	DAT 文件	1 KB
libmysql.dll	2006/11/6 16:24	应用程序扩展	3,528 KB
Lic.dll	2012/2/8 10:34	应用程序扩展	40 KB
license.dat	2019/6/4 10:54	DAT 文件	28 KB
License.lic	2012/2/8 10:34	LIC 文件	1 KB
license1.dat	2019/5/29 16:19	DAT 文件	26 KB
Manager.exe	2019/6/27 15:17	应用程序	1,759 KB
NASetup.dll	2015/11/23 11:40	应用程序扩展	60 KB
SysConfig.ini	2021/6/23 11:35	配置设置	1 KB
updatefile.txt	2021/6/23 11:36	文本文档	1 KB

Open the tool and click " Search" to find the device:

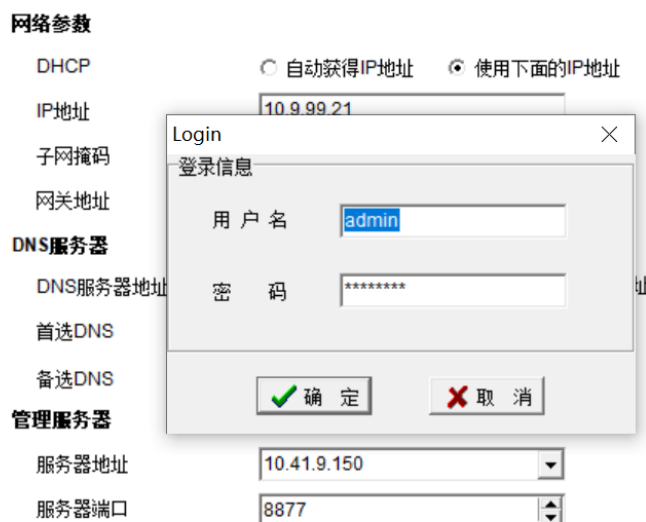


Double click the device below and enter the "basic configuration" to change the IP address, DNS server and platform information (HCP' s IP address and the port defaults as 8877).



After configuration, click" save" and enter the device' s password.The default

password is "1234" .

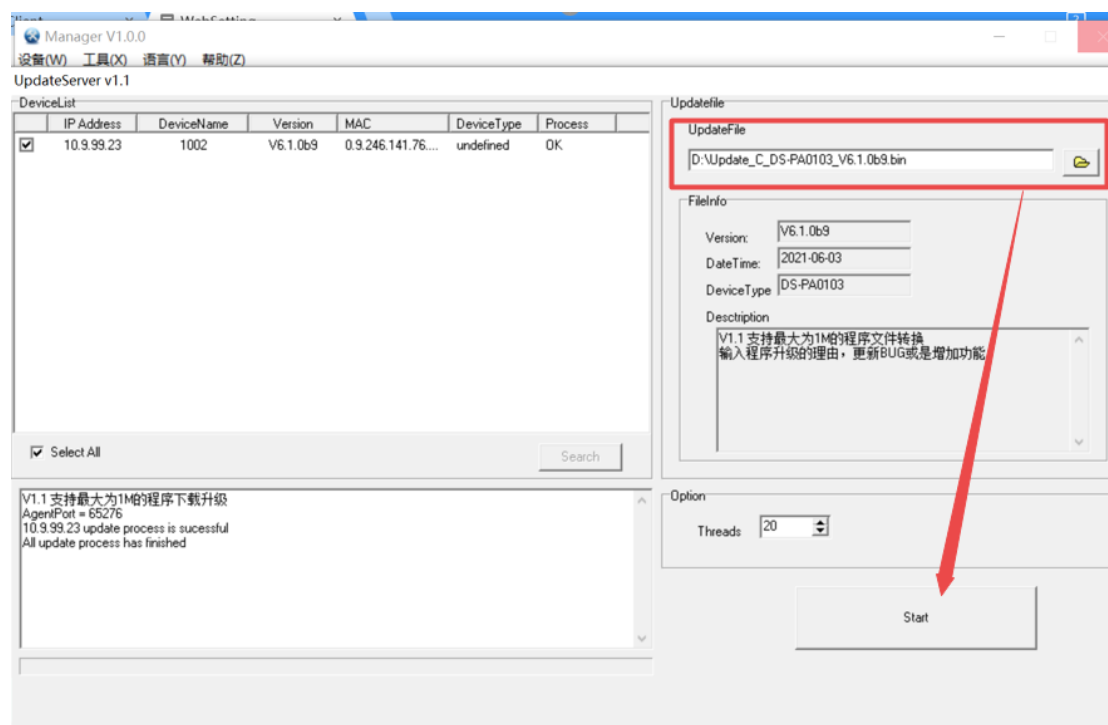


In case that the firmware of device is too old, we can update the firmware on the tool as well. Click the " update firmware" and upload the firmware you want to update.



After uploading, you can check the firmware version and click " start" .

When finished , you can see the "update process is successful" prompt.

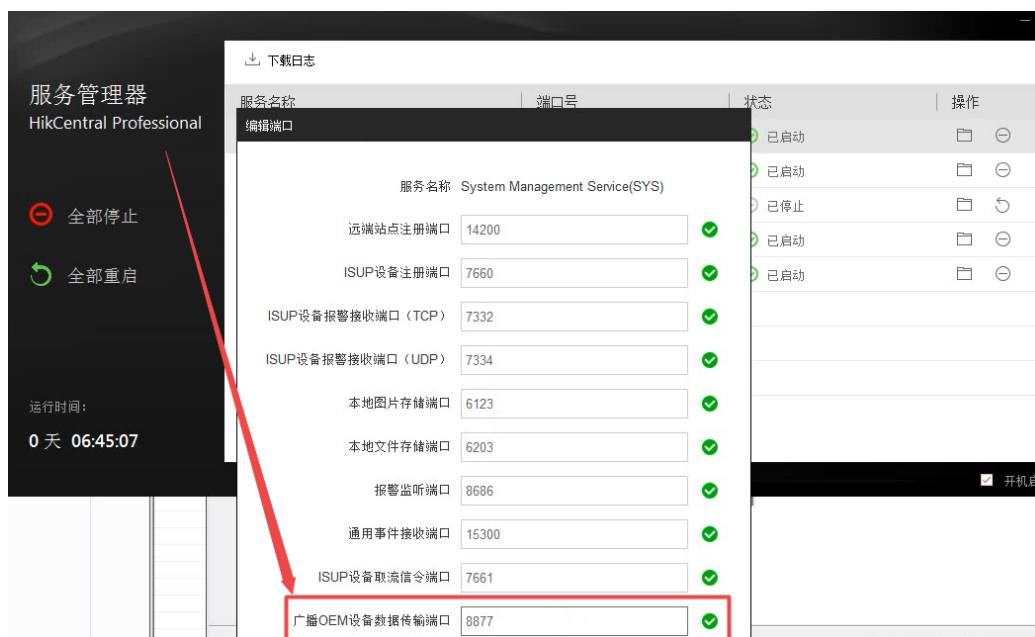


2.Link the Device with HCP Platform

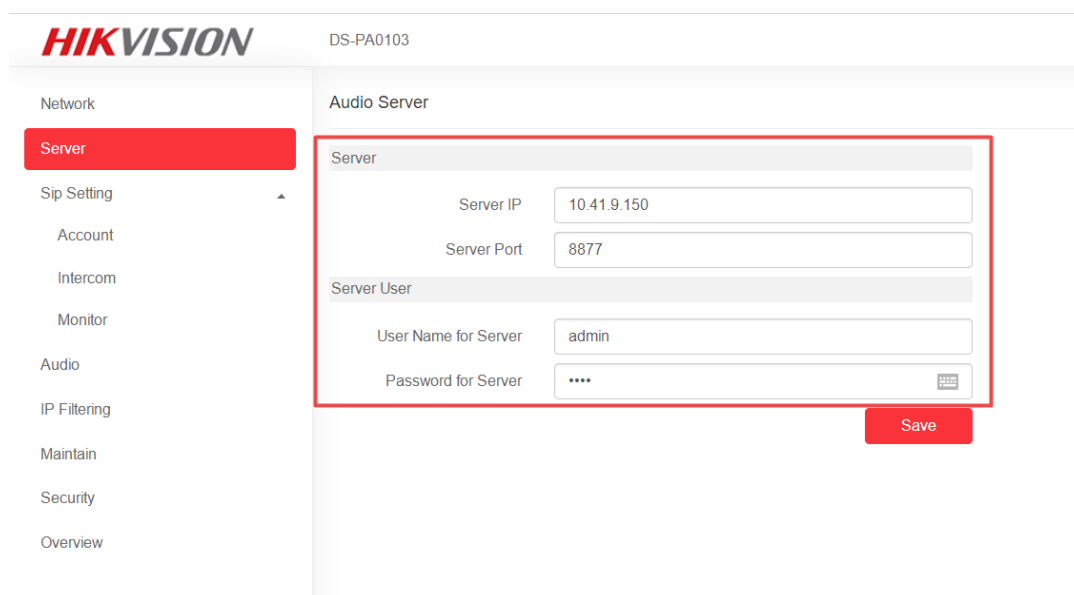
Log in to the web client of device and click the module "server" .

You should type in the Server IP which is HCP' s IP address and the default port is 8877.

Make sure the default port on the HCP is 8877, you can check the Service Manager(Watchdog) ' s ports on SYS.



Note: The username for server should be admin account from device. The password for server is actually the device' s password which is default as "1234" .



After the previous steps are done, you can check the "overview" part to see if it is connected to the HCP successfully. Note: You can also check the network status and basic information like firmware version and serial number here.

HIKVISION DS-PA0103

System Overview

Web Version	V1.0.1
Fireware Version	V6.1.0b9
Serial Number	42791161046
IP Address	10.9.99.23
Primary DNS	10.1.7.97
Netmask	255.255.255.0
Secondary DNS	10.1.7.98
Gateway	10.9.99.254
Server Ip	10.41.9.150
Server Status	connected
SD Card Status	no sdcard
Status	idle

3.Add the IP Speaker On HCP

Go to Resource Management-> Device and Server-> IP Speaker.

Click "add" to enter the IP address, Device port(default as 9999), Device Serial No which you can get from device' s web client, user and password.

The screenshot shows the 'Add IP Speaker' configuration page in the HikCentral Professional Web Client. The left sidebar lists various device types, with 'IP Speaker' highlighted in a red box. A red arrow points from this box to the '*Address' field in the 'Basic Information' section. The 'Basic Information' section includes fields for Address (10.9.99.21), Device Port (9999), Device Serial No (42791161046), Name (ip speaker), User Name (admin), and Password (masked with dots). The 'Resource Information' section has a toggle for 'Add Resource to Area' (checked) and radio buttons for 'Area' (Create Area by Device Name selected). At the bottom are 'Add', 'Add and Continue', and 'Cancel' buttons.

Please make sure you have configured the 9999 port on device. Enter the Sip Setting->Monitor and enter "0.0.0.0:9999" on the first address.

The screenshot shows the configuration page for a HikVISION DS-PA0103 device. The left sidebar lists various settings, with 'Monitor' highlighted in a red box. A red arrow points from this box to the 'Monitor Address' table. The 'Monitor Address' table has columns for Priority and Address. The first row (Priority 1) has the address '0.0.0.0:9999' entered in the 'Address' field. The 'Address' column header has a blue question mark icon.

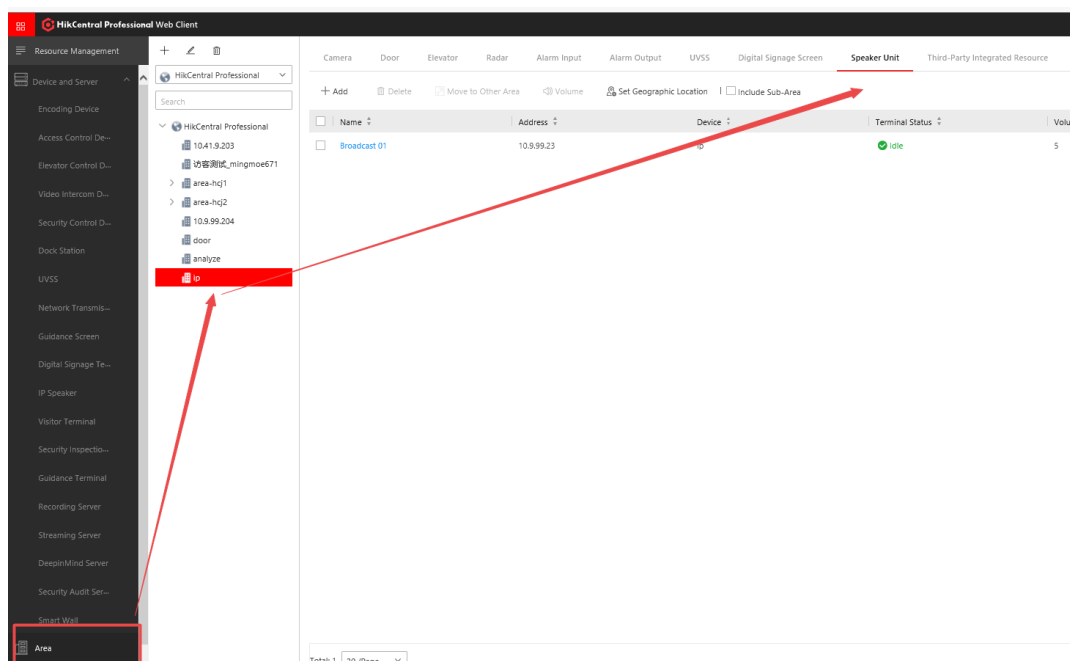
Priority	Address ?
1	0.0.0.0:9999
2	
3	
4	
5	
6	
7	
8	

After adding the device, you can try to refresh the page few times to get the online status from device, sometimes it is not showing the status right away.

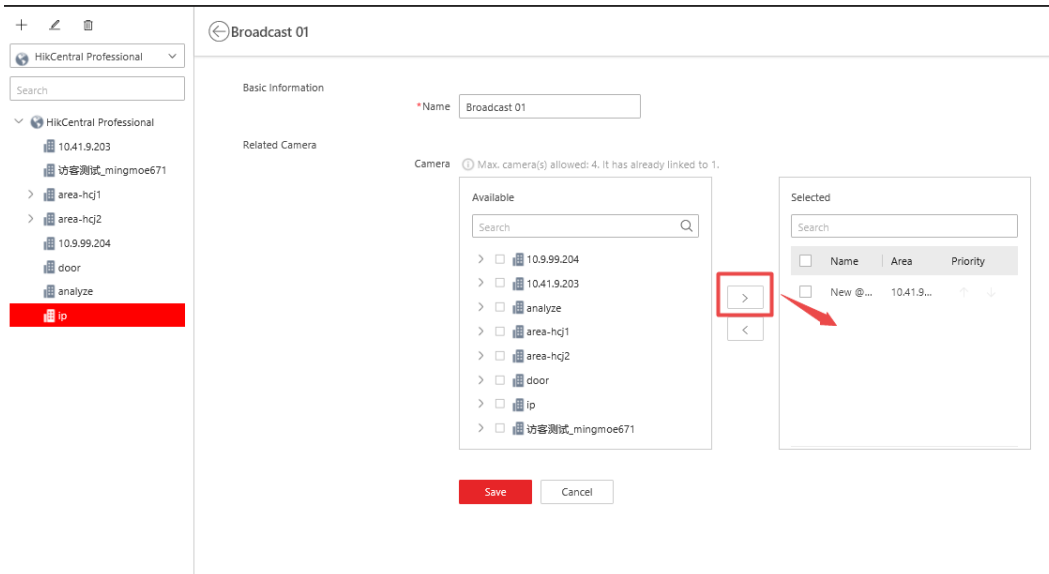


4.Link the Camera with IP Speaker

Go to Area-> Speaker Unit -> Click the IP Speaker' s resource :

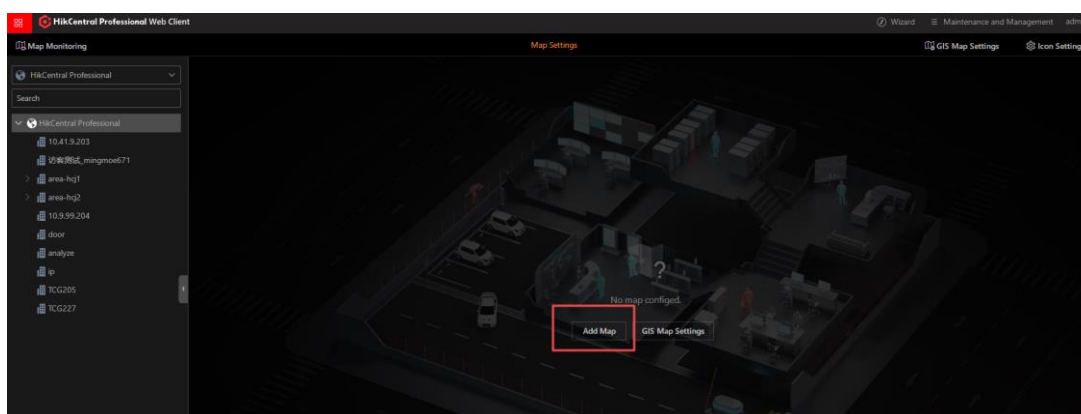


Choose the cameras you want to link and Maximum number is 4.

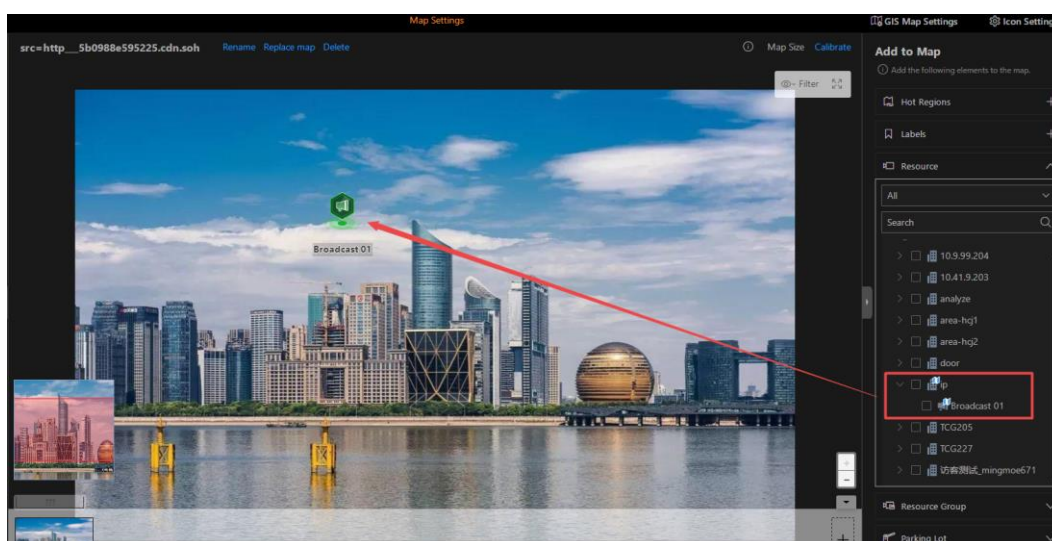


5.Link the IP Speaker with Map

Go to Map settings-> Add map:



You can drag the Speaker unit to the map from Resource.

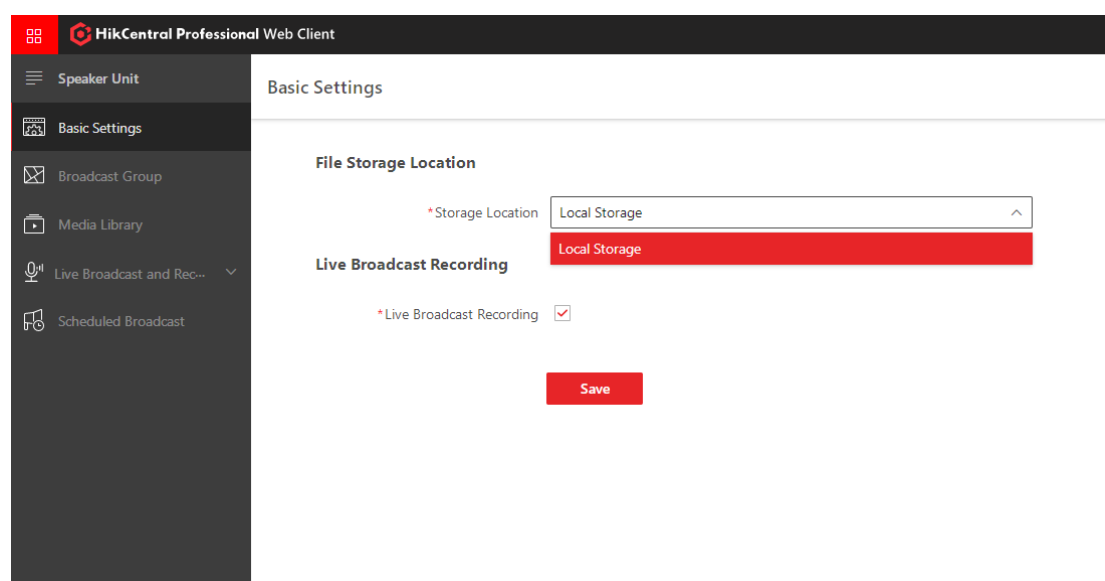


Note: It cannot change to the red color status when the alarm is triggered.

6. Configure the Basic settings on IP Speaker

Choose the storage location of files, current version only supports storage on the local or Pstor server.

Enable "live Broadcast Recording" when you need to save records from live broadcast.



You can go to System Configuration-> Storage-> Storage on SYS Server to choose the disk where you need to save the files.

HikCentral Professional Web Client

No editing permission. For system security, you can only edit it via the Web Client running on the SYS server.

Storage on SYS Server

*Storage Quota: 5 GB

File Storage

① File storage: store video and audio files configured on the platform.

*Storage Location: HDD (6)

Drive	Free Space	Total Space
C:\	159 GB Free of 191 GB	191 GB
D:\	140 GB Free of 149 GB	149 GB
E:\	58 GB Free of 61 GB	61 GB
F:\	41 GB Free of 42 GB	42 GB
G:\	11 GB Free of 11 GB	11 GB
J:\	31 GB Free of 51 GB	51 GB

Restrict Quota for Files

Overwrite When Storage Space is ...

7. Configure the Broadcast Group

Go to Speaker Unit-> Broadcast group-> click "add"

HikCentral Professional Web Client

Wizard Maintenance and Management admin

Speaker Unit

Basic Settings

Broadcast Group

Media Library

Live Broadcast and Rec...

Live Broadcast

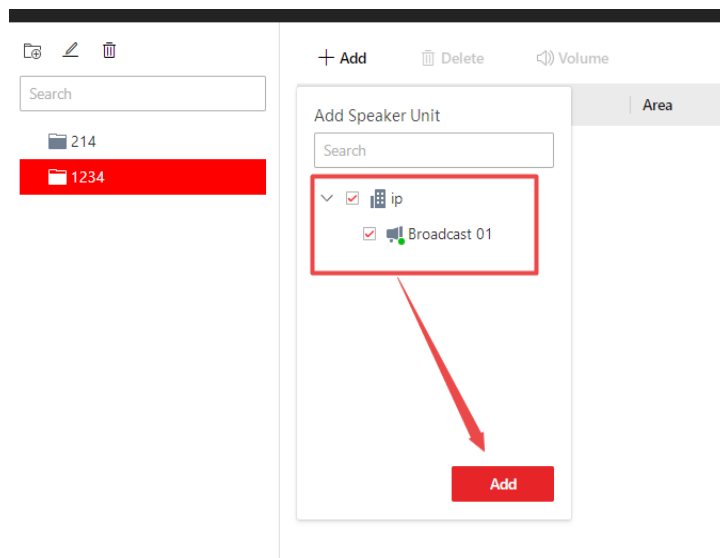
Live Broadcast Rece...

Scheduled Broadcast

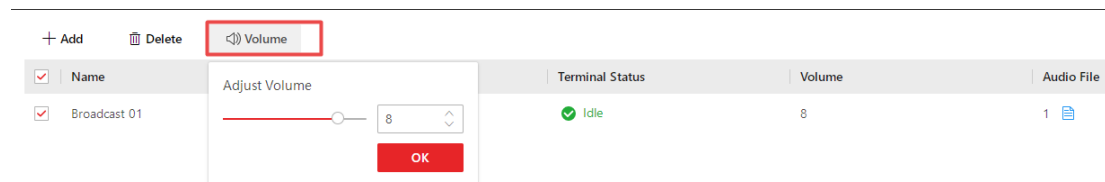
+ Add Delete Volume

Name	Area	Terminal Status	Volume	Audio File
Broadcast 01	ip	Idle	8	1

After adding the group, add the Broadcast from device.

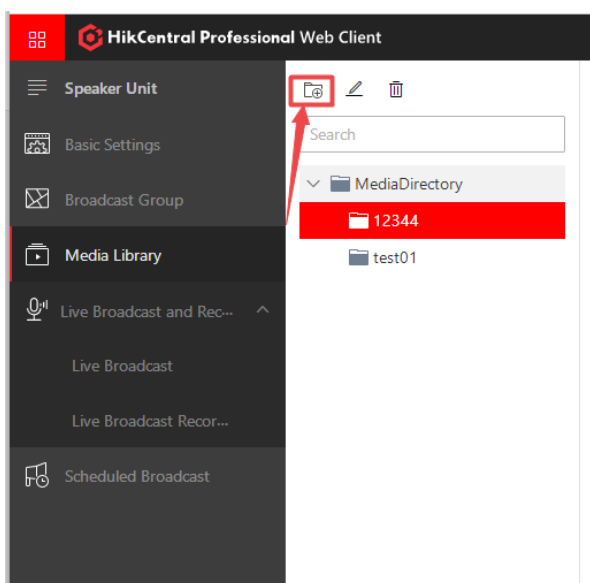


You can also set the volume here on the group, the volume range is from 1 to 10.

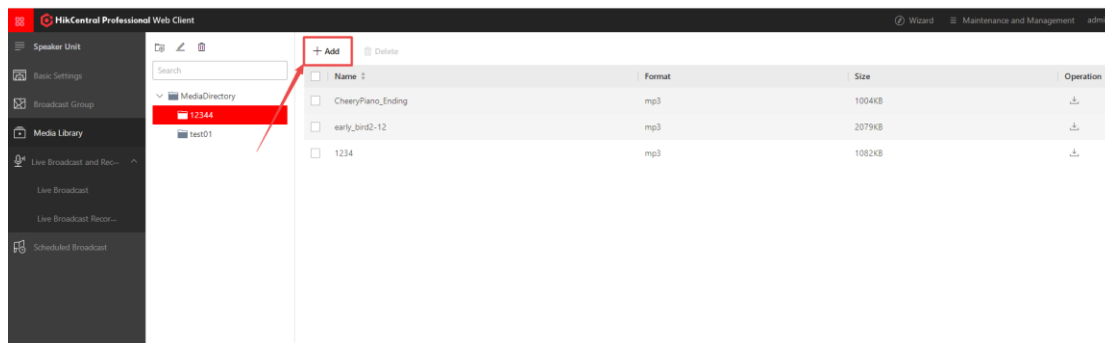


8. Configure Media Library

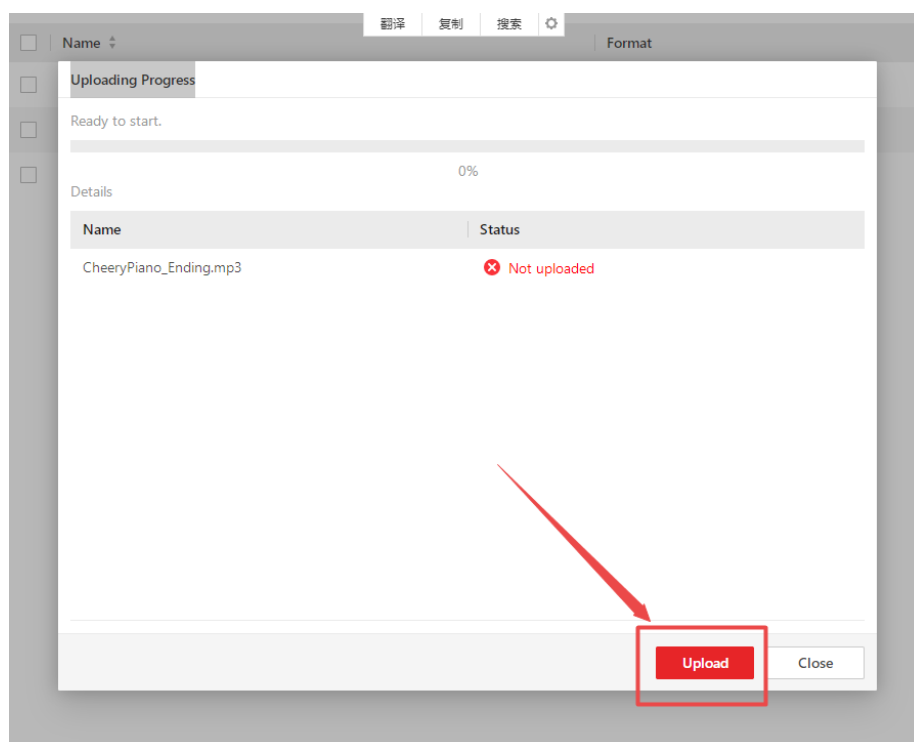
Go to Speaker Unit-> Media Library -> click "add" for creating the group



After creating the group, click "add" to upload the audio files.



Click the "Upload" to finish the whole process.

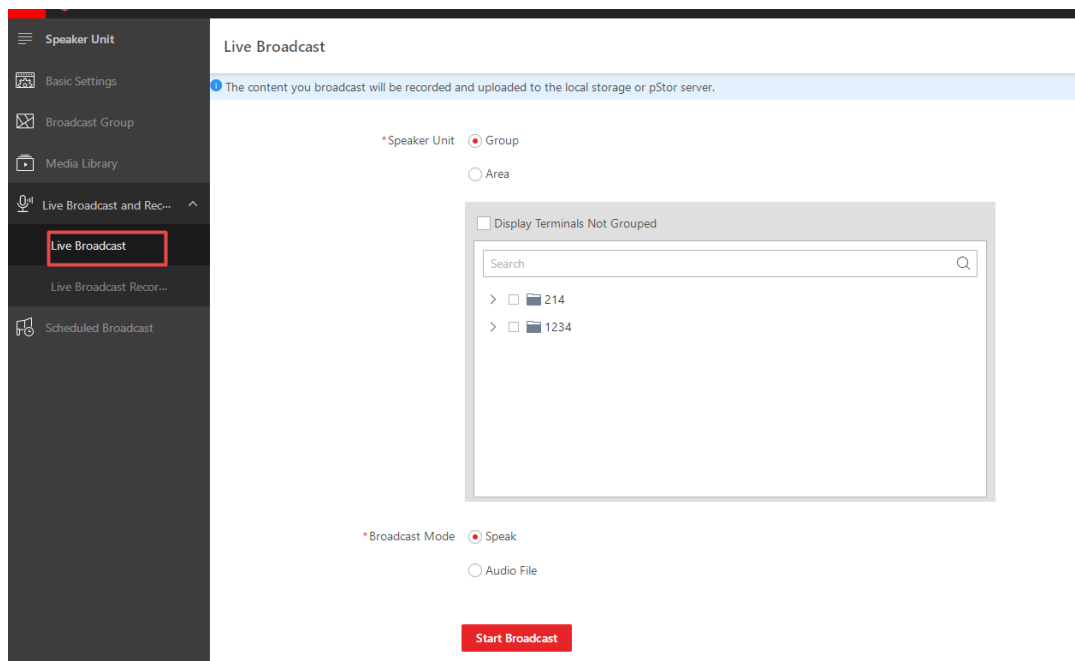


Note: The maximum audio files numbers you can upload is 100. And it only supports MP3 format and it should be less than 10Mb , in future it will support more formats.

9.Live Broadcast

Go to Live Broadcast and Recording-> Select the speaker unit from group or area->

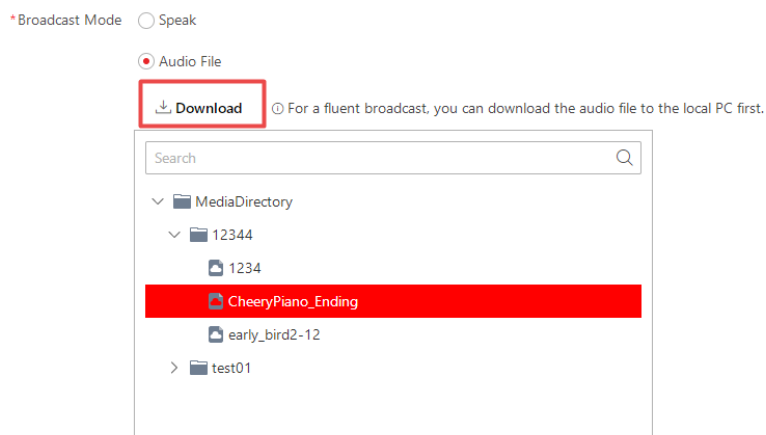
Choose the Broadcast Mode “Speak” or “Audio file” :



Speak Mode: you can speak via your microphone on your local PC and live broadcast it on your IP speaker.

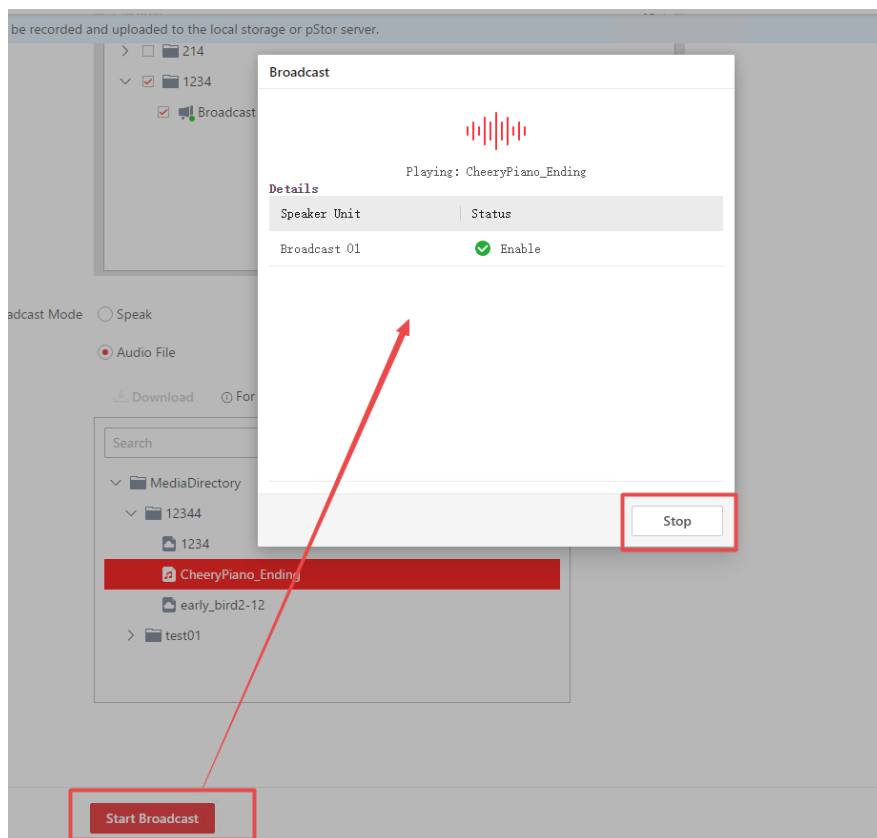
Audio mode: you can live broadcast the current audio files on your Media library.

For a fluent broadcast, you can click “download” to the local PC first.

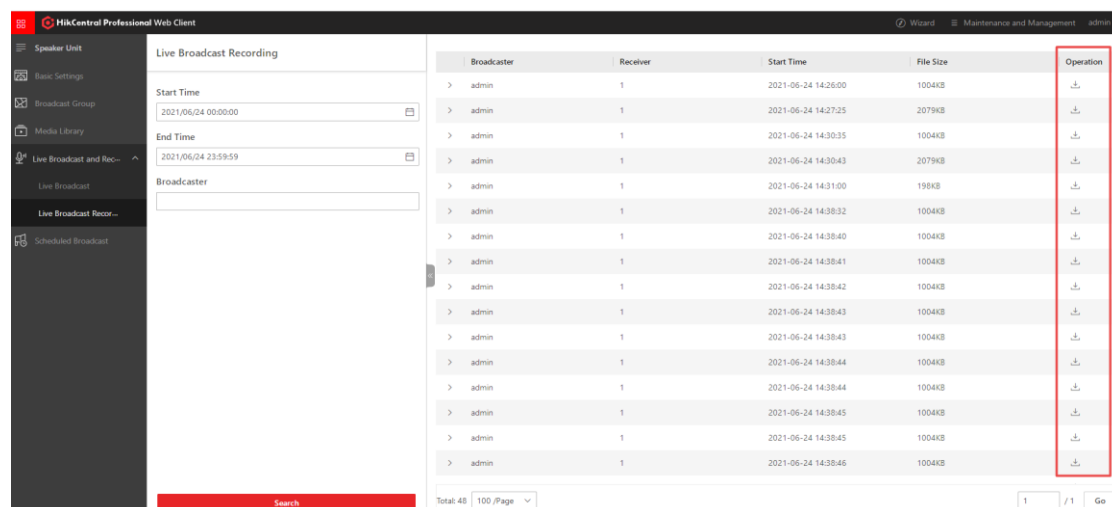


Click "Start Broadcast" below to start.

Click "Stop" when you want it to finish.



Go to live Broadcast Recording to search the live broadcast records by time. You are able to download files on each record.



Note: Make sure you have downloaded the latest webcontrol version.

10.Scheduled Broadcast

Go to Scheduled Broadcast-> Click "add" .

Enter the name and select the speaker unit from group or area.

You can set a broadcast schedule on period type by every day,every week or one time on the speific duration.

Broadcast time means the exact time when it is going to broadcast. For example, when you set 20:00:00 on July 6th, it will broadcast the exact time based on your local server time on that day.

Set the Broadcast Priority when it could be multiple schedules at once, the bigger number means bigger priority.

The screenshot shows the 'Edit Scheduled Broadcast' configuration page in the HikCentral Professional Web Client. The left sidebar contains a menu with the following items: Speaker Unit, Basic Settings, Broadcast Group, Media Library, Live Broadcast and Rec..., Live Broadcast, Live Broadcast Recor..., and Scheduled Broadcast (highlighted with a red box). The main content area is titled 'Edit Scheduled Broadcast' and contains the following fields:

- *Name: 1234
- *Speaker Unit: Group, Area
- + Add, Delete
- Table with columns Name and Operation:

Name	Operation
Broadcast 01	
- *Period Type: Every Day
- *Start Date and End Date: 2021/06/24 - 2021/06/30
- *Broadcast Time: 20:07:05
- *Broadcast Priority: 1

Choose multiple audio files you want to broadcast and you can set the order of

audio playing by simply clicking the "Up arrow" or "Down arrow" .

The play mode can be once or a Duration.

*Audio File + Add Delete

<input type="checkbox"/>	File Name	Duration	Operation		
<input type="checkbox"/>	1234	00:01:10	↑	↓	🗑️
<input type="checkbox"/>	early_bird2-12	00:02:13	↑	↓	🗑️
<input type="checkbox"/>	CheeryPiano_Endi...	00:01:04	↑	↓	🗑️

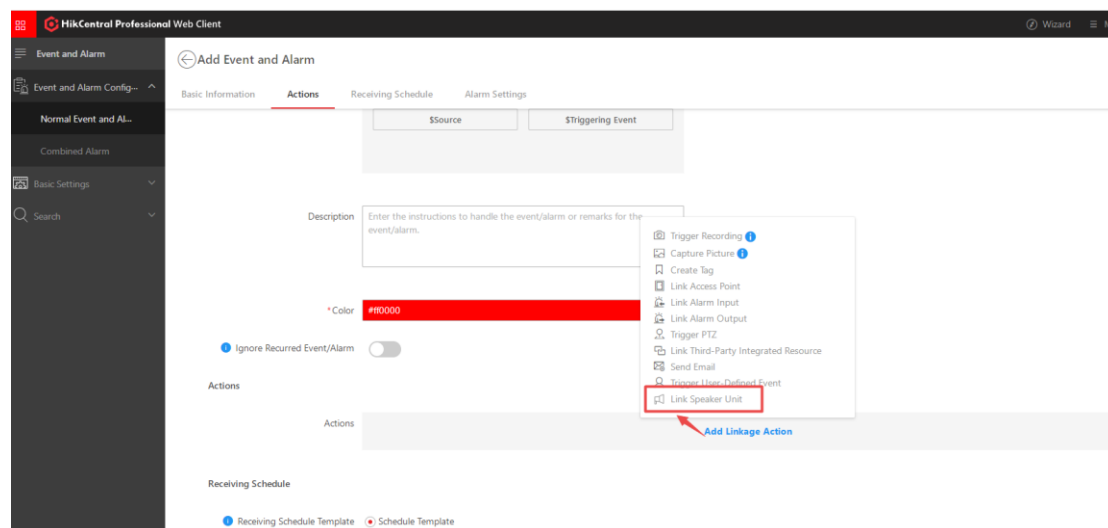
*Play Mode Once

Specified Duration

00:00:00 🕒

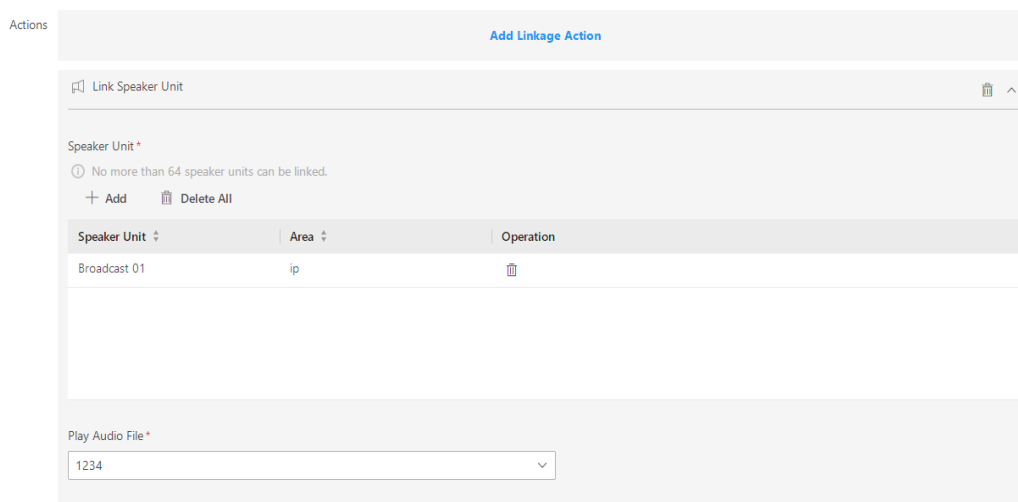
11. Link the Speaker Unit on Event and Alarm

Go to Event and Alarm Configuration-> add Event and alarm-> Actions-> Add linkage Action-> Choose link Speaker Unit

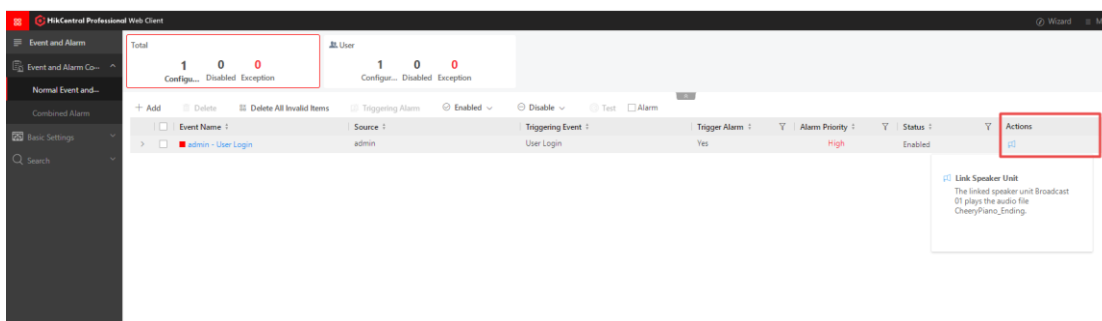


Choose the speaker unit and Audio File you want to link with.

After that, click "Trigger Alarm" .



You can check if the audio file is successfully applied on device. If it fails, it will show up on the "Actions" .



Note: Make sure the device is loaded with TF Card already. The TF card memory is recommended to be 16GB.

Configuration On Control Client

1.Real-time Monitoring

Log in the Control Client-> Monitoring

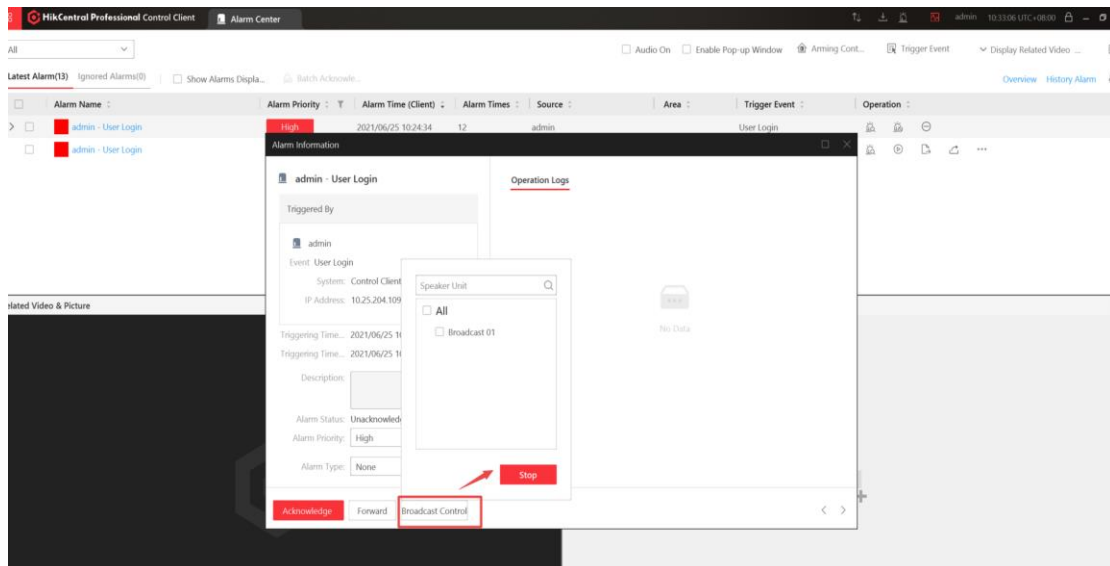
Click the configured broadcast and the related cameras will show up.



2. Broadcast Control on Alarm Center

Log in the Control Client-> Alarm Center

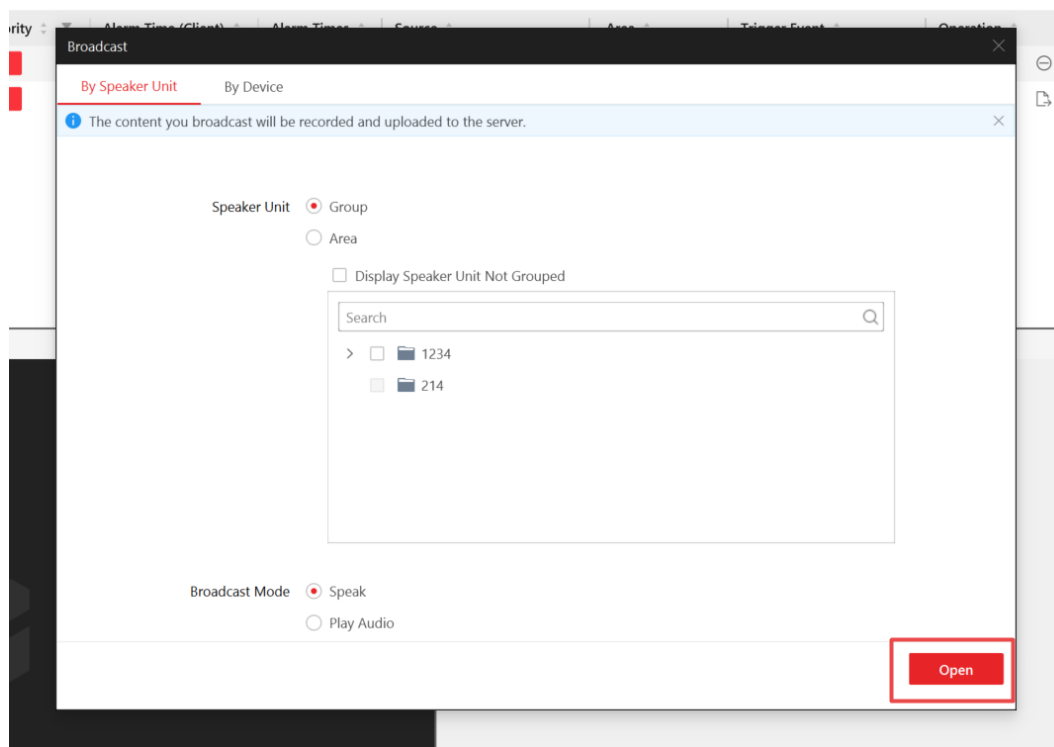
When you link the Speaker Unit with the alarm&event, you can stop the broadcast on the alarm center when the alarm is triggered.



3. Live Broadcast

Log in the Control Client-> Tool-> Broadcast

Select the Speaker Unit from group or area and choose the broadcast mode.



Note: make sure you are running the control client with administrator permission, unless the broadcasting can be failed.