

IP Audio System - WAVE Integration Guide

Purpose

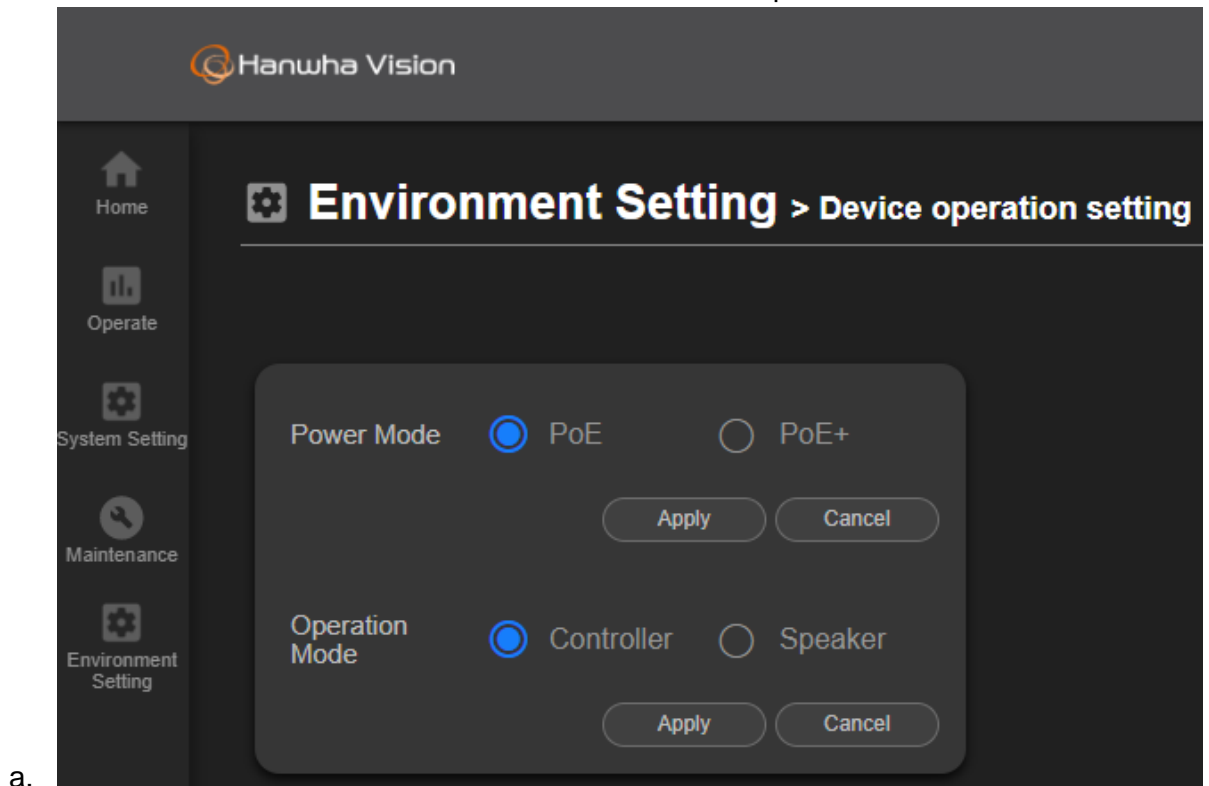
The purpose of this guide is to explain the steps needed to use the IPAS devices for event to action in the WAVE VMS.

General Guidelines

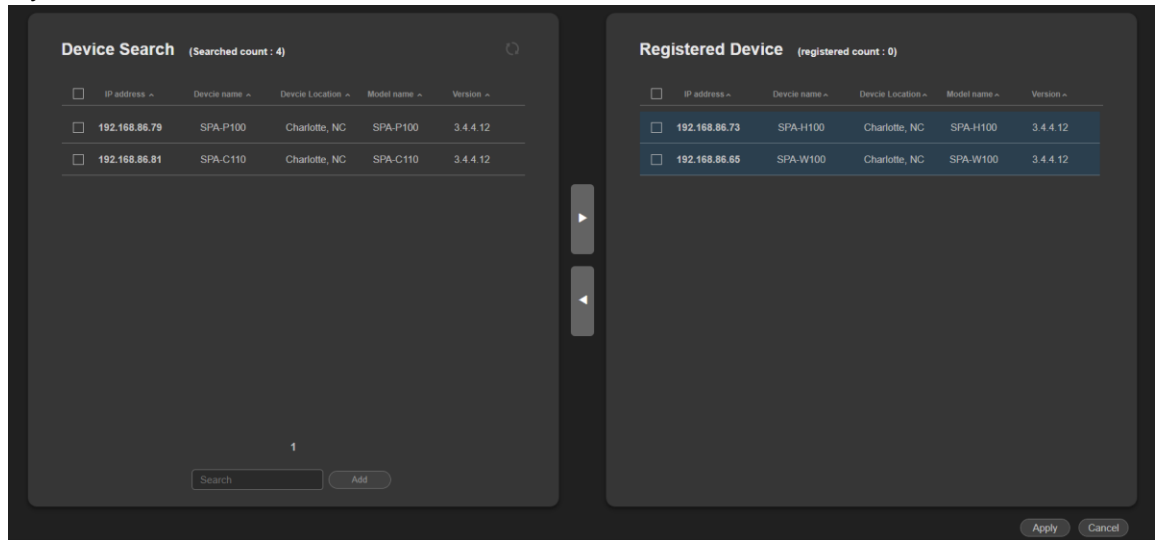
1. Confirm you are using the latest version of firmware for the IPAS devices.
 - a. If you are running old/beta firmware perform a factory reset after firmware update
 2. Ensure you have two IPAS devices available.
-

IPAS Controller Configuration

1. Set one IPAS device to controller mode and follow the next steps on that controller

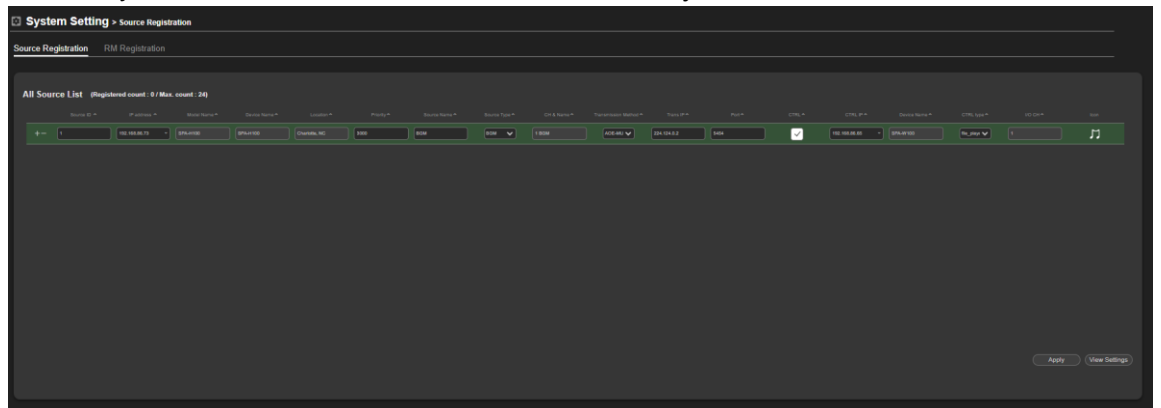


2. Register your IPAS devices to the controller.

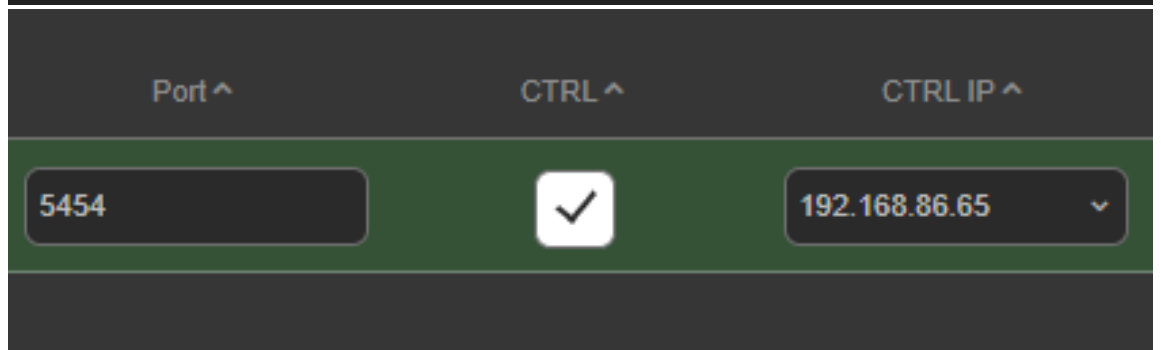


a.

3. Register one of your IPAS devices as a source and ensure you check "CTRL".

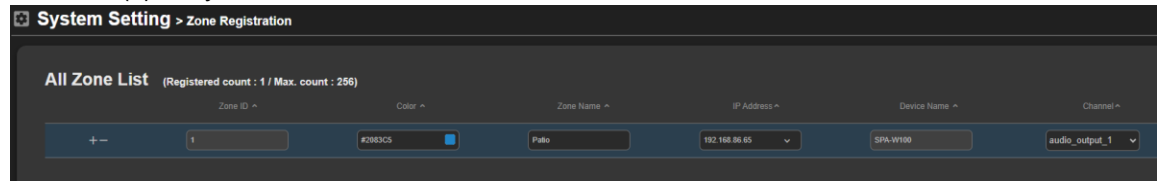


a.



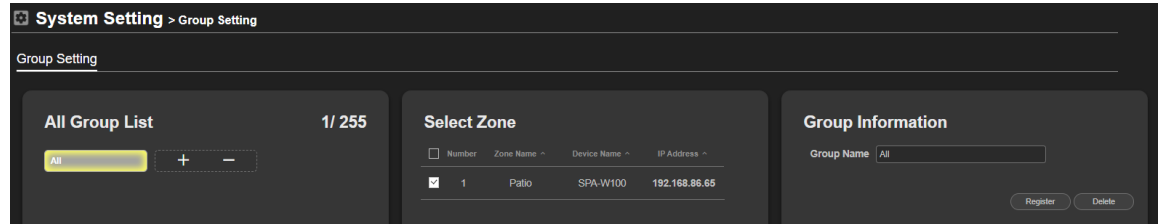
b.

4. Register a zone(s) for your IPAS devices.



a.

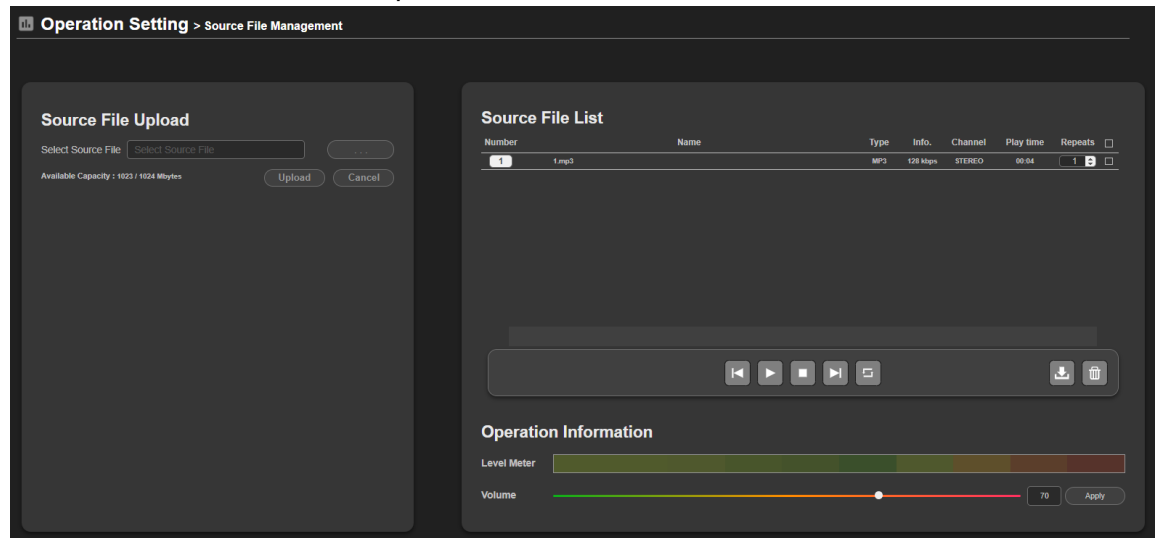
5. If you wish to play audio on multiple IPAS devices you must now create a group.



a.

IPAS Speaker Configuration

1. Upload audio files to the source file upload.



a.

SUNAPI Commands (Controller)

1. In your web browser send the view registered subdevices command to the IPAS controller to determine your Device IDs.

- a. <http://192.168.86.65/stw-cgi/system.cgi?msubmenu=registeredsubdevices&action=view>

```
{
  "Device": [
    {
      "IP": "192.168.86.65",
      "ID": 3,
      "NAME": "SPA-W100",
      "TYPE": "SPEAKER"
    },
    {
      "IP": "192.168.86.73",
      "ID": 2,
      "NAME": "SPA-H100",
      "TYPE": "SPEAKER"
    }
  ]
}
```

- b. }

2. If you plan to play audio to a group of speakers we must send the view speaker groups command to determine the Group ID.

- a. <http://192.168.86.65/stw-cgi/system.cgi?msubmenu=speakergroups&action=view>

```
{
  "Group": [
    {
      "ID": "1",
      "Name": "All",
      "DeviceIDs": "3"
    }
  ]
}
```

- b. }

3. Send the view audio out files command to your IPAS controller to determine the audio file name with src number.

- a. <http://192.168.86.65/stw-cgi/eventrules.cgi?msubmenu=audiooutfiles&action=view>

```
{
  "AudioOutFiles": {
    "FreeSpace": "1024",
    "TotalSpace": "1024",
    "AudioClips": [
      {
        "Name": "Src1_1.mp3"
      }
    ]
  }
}
```

- b. }

4. Test the final play command (device or group) to your IPAS controller to ensure everything is working as it should.

- a. http://192.168.86.65/stw-cgi/eventrules.cgi?msubmenu=audiooutfiles&action=control&Type=Play&SpeakerID=3&Name=Src1_1.mp3
- b. http://192.168.86.65/stw-cgi/eventrules.cgi?msubmenu=audiooutfiles&action=control&Type=Play&GroupID=1&Name=Src1_1.mp3
- c. {"Response" : "Success" }

WAVE Configuration

1. Select the camera you wish to trigger the audio file from, right click and select “Event Rules”.
2. Create a new event and select “Soft Trigger”.
3. Select “Do HTTP(S) request” and enter your SUNAPI play command.
4. Enter your “Login” and “Password” for the IPAS controller.

The screenshot shows the 'Event Rules - Wisenet WAVE Client' window. At the top, there is a search bar with the ID '70f2a25b-c0d8-0322-582d-48b8cd9b22cd' and buttons for '+ Add', '- Delete', and 'Event Log...'. Below this is a table with columns: #, On, Event, Source, Action, and Target. The table contains three rows of rules. The second row is selected, showing an event 'On Soft Trigger' for camera 'XNV-9082R' with the action 'Do HTTP(S) request' targeting the URL 'http://192.168.86.65/stw-cgi/eventrules.cgi?msubmenu=audiooutfiles&action=control&Type=Play&SpeakerID=3&Name=Src1_1.mp3'.

The configuration panel below the table is divided into two sections: 'Event' and 'Action'.
Event Section:
 - When: Soft Trigger
 - At: XNV-9082R
 - Available to: All Users
 - Name: Sound 1
 - Icon: Speaker icon
 - Schedule... button
Action Section:
 - Do: Do HTTP(S) request
 - Interval of action: No more than once per 1 min
 - HTTP(S) URL: files&action=control&Type=Play&SpeakerID=3&Name=Src1_1.mp3
 - HTTP(S) Content: (empty field)
 - Content Type: Auto
 - Login: admin
 - Authentication Type: Auto
 - Password: (masked with dots)
 - Request Method: Auto
 - Comments: (empty field)
 - Buttons: Restore All Rules to Default, OK, Apply, Cancel

a.

5. Click the “soft trigger” that was just created in your camera tile to play the audio file.



a.