

Lumens HDL410 CamConnect Pro Setting



Lumens HDL410 CamConnect Pro Setting User Guide

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Lumens HDL410 CamConnect Pro Setting



Product Specifications

- **Product Name:** Nureva HDL410 & CamConnect Pro
- **Supported Room Types:** Meeting room, classroom, open space, and others
- **Ports:** HDL410 – Port 1 and Port 2, CamConnect Pro – Port 8931
- **Default IP Address:** Nureva HDL410 – Example: 192.168.11.27, CamConnect Pro – Example: 192.168.11.11
- **Audio Trigger Level:** CamConnect Pro – 65 (adjustable)

- **Room Coverage:** HDL410 optimized performance for reduced reverberations, echoes, and background noise

Product Usage Instructions

Nureva HDL410 Setup

Enrolling HDL410

To enroll HDL410, follow these steps:

1. Access the Nureva console at <https://www.nureva.com/software-and-services/console>
2. Enter the enrollment code located at the bottom of the console hardware
3. Follow the prompts to enter room level details

HDL410 Room Level Settings

To set up HDL410 in a room:

1. Define the room type (e.g., Meeting room, classroom)
2. Access room level settings by clicking on the room name in the rooms section
3. Edit and define room dimensions for optimum performance
4. Fine-tune room in relation to seating arrangements and HDL410 ports
5. Recalibrate HDL410 in the defined room after making any room-level changes

CamConnect Pro Settings

Connecting CamConnect with HDL410

To connect CamConnect with HDL410:

1. Allow HDL410 to send data to CamConnect using port 8931 and CamConnect's IP address
2. Select HDL410 from the device dropdown list
3. Enter HDL410's IP address and set the connect toggle bar to the right
4. Fine-tune and map seating positions with azimuth angles in CamConnect

Frequently Asked Questions (FAQ)

Q: How can I optimize the performance of HDL410 in different room types?

A: You can optimize HDL410 performance by defining room dimensions accurately, fine-tuning port positioning based on the environment, and recalibrating after any room level changes.

Q: What is the default port for connecting CamConnect Pro with HDL410?

A: The default port for connecting CamConnect Pro with HDL410 is port 8931.

Discovering/ Enrolling HDL410

Preface:

- Accessing Nureva Console
- Enrolling HDL410 (console method)
- Editing/defining room dimensions

Access and enroll HDL410

Access Nureva console: <https://www.nureva.com/software-and-services/console>

Note: There are 2 methods to enroll; 1. USB method and 2. Nureva console. (Nureva console is shown here)

- For USB method see here (console client) : <https://support.nureva.com/faqs-nureva-console/generate-enrollment-code-with-nurevaconsole-client>

1. Link to Nureva console (runs in browser)

2. Go to Rooms

3. Enroll your device HDL410

This is a sample of an enrolled HDL410 in a configured room

Room name ↑	Device	Firmware version	Device status	Actions
501Room	HDL410	1.5.243554	Online	...
Lumens_401 PRO	Dual HDL300	3.1.9	Online	...

Enrolling HDL410 (console):

1. enter your enrollment code (located at the bottom of console- hardware).
2. You will be prompted to enter room level details- see next section

Enter enrollment code

Enter code and hit next and [allow] when prompted

Enter code *

Next

Get the enrollment code

HDL410 Room Level Settings

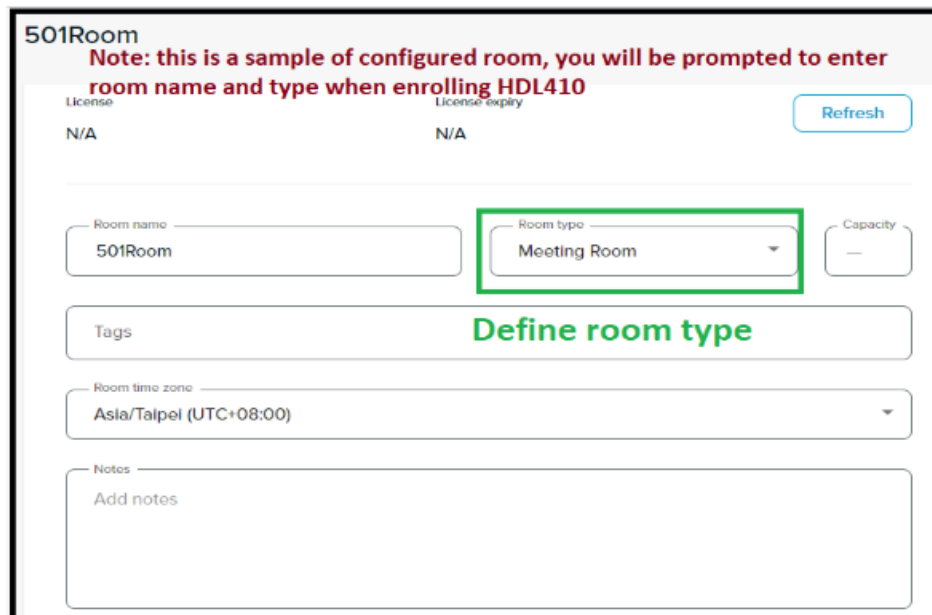
Preface:

- Defining room type
- Accessing room level settings
- Editing/defining room dimensions
- Defining Room Dimensions for optimum performance
- Fine tuning room in relation to seating arrangements and HDL410 ports
- Recalibrating HDL410 in defined room

Setting up HDL410 in room (room level settings)

Defining room type:

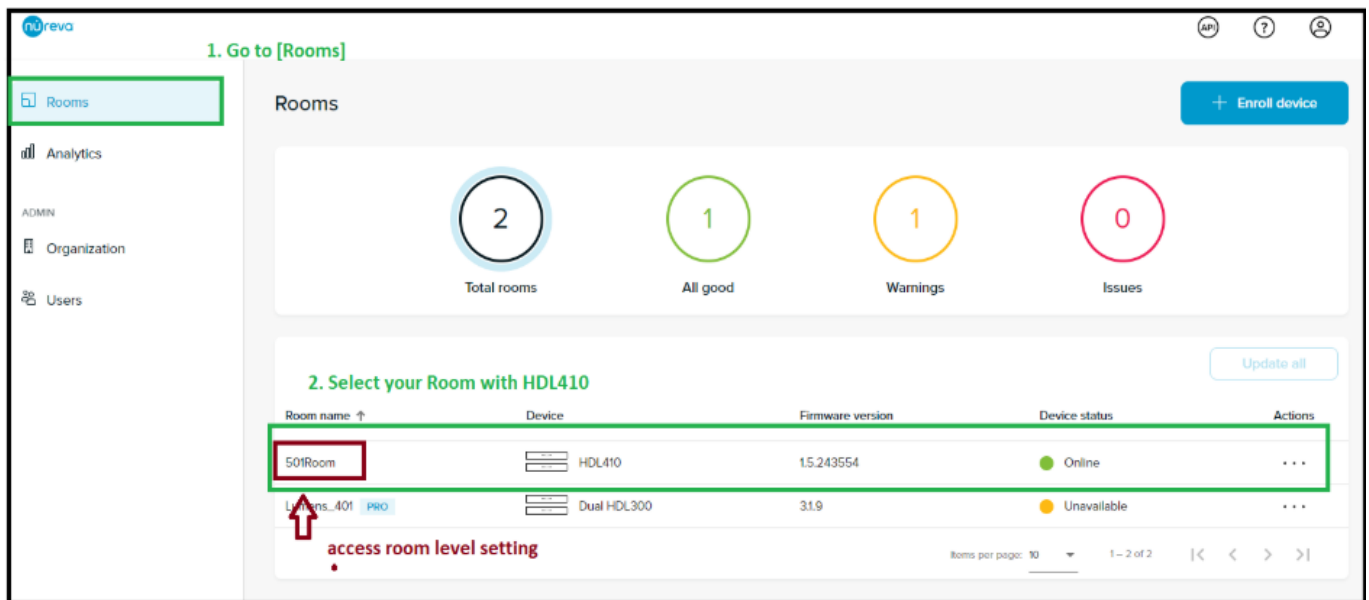
- Shown below is [type =Meeting room]. HDL410 supports up to 8 types (classroom, open space and others).



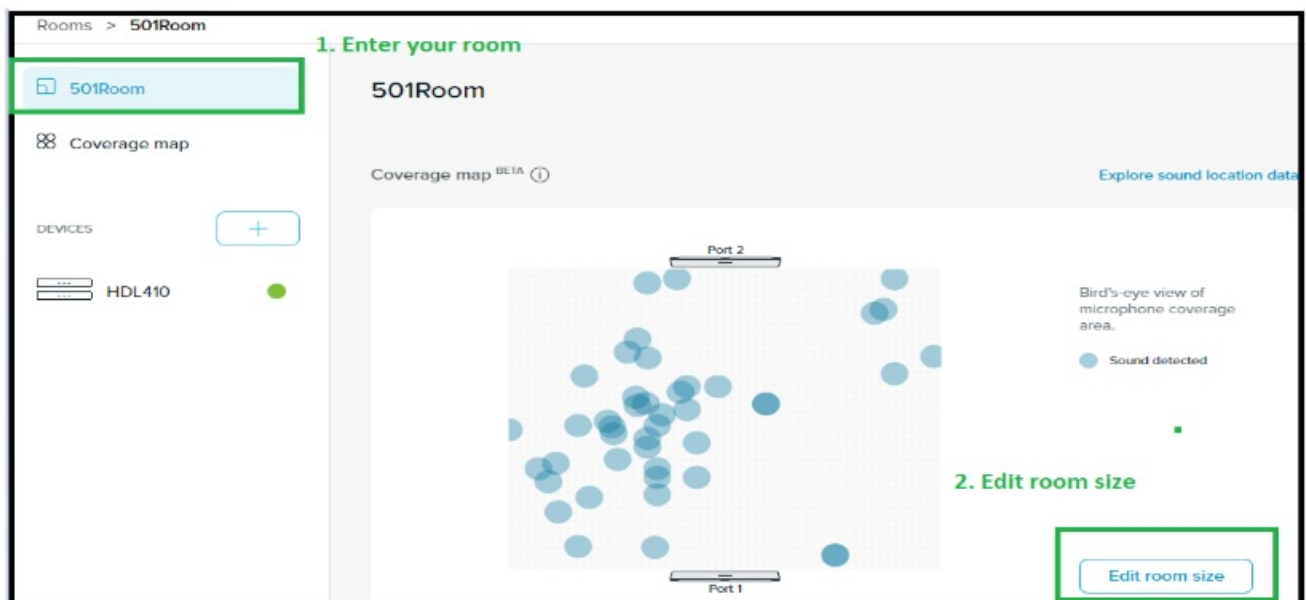
The screenshot displays the '501Room' configuration page. At the top, a red note states: 'Note: this is a sample of configured room, you will be prompted to enter room name and type when enrolling HDL410'. Below this, there are fields for 'License' (N/A) and 'License expiry' (N/A), with a 'Refresh' button to the right. The main configuration area includes a 'Room name' field with the value '501Room', a 'Room type' dropdown menu currently set to 'Meeting Room' (highlighted with a green box), and a 'Capacity' field with a minus sign. Below these is a 'Tags' field and a large green button labeled 'Define room type'. Further down is a 'Room time zone' dropdown set to 'Asia/Taipei (UTC+08:00)', and at the bottom is a 'Notes' section with the placeholder text 'Add notes'.

Accessing room level settings;

- Your newly created room will appear in rooms section, click on [room name] to access.



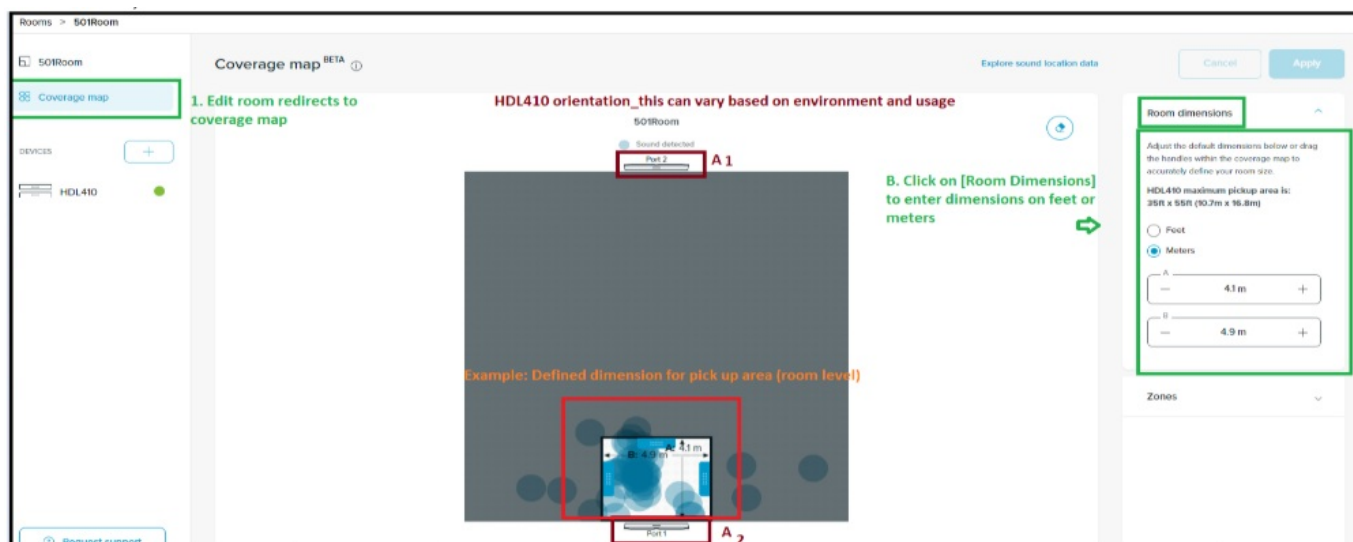
Editing/defining room dimensions: (HDL40 works as if were a single unit.)



Defining Room Dimensions for optimum performance: (this will take you to room coverage map)

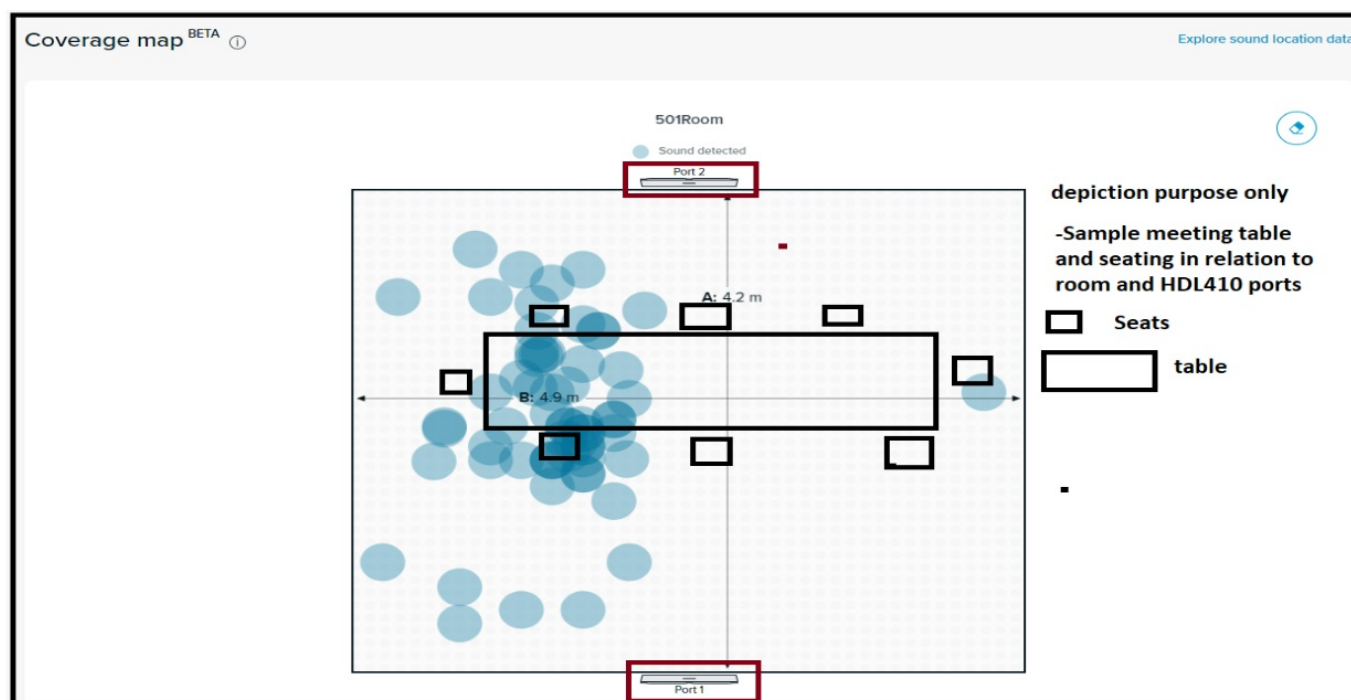
Important:

1. Measure your room space and place HDL410 port 1 and 2 as precise as possible.
2. In my demo, the actual room size is bigger than the defined dimensions. For optimized performance (to reduce reverberations, echos and background noise).



Fine tuning room in relation to seating arrangements and HDL410 ports:

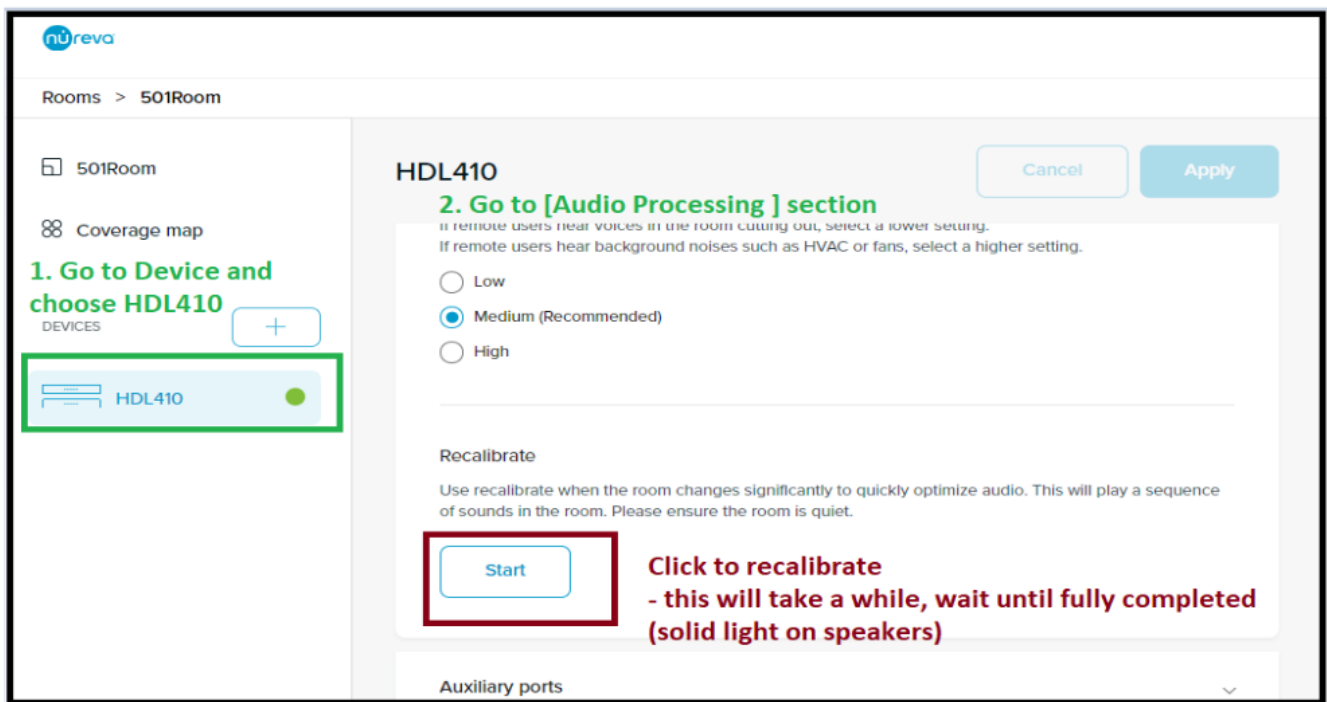
- An example for depiction purposes only is shown here, adjust your HDL410 port positioning as needed based on environment and usage scenario.
- The blue spots shows noise or voice source detection.



Recalibrating HDL410 in defined room:

Note: After enrolling and defining room level settings, recalibrate HDL410 in finished room. This ensures all settings are kept and HDL410 “is aware” of environmental/room level changes.

General rule = If there are room level changes, recalibrate your HDL410.



CamConnect Pro (AI-BOX1) Settings

Connected State_AiBox and HDL410

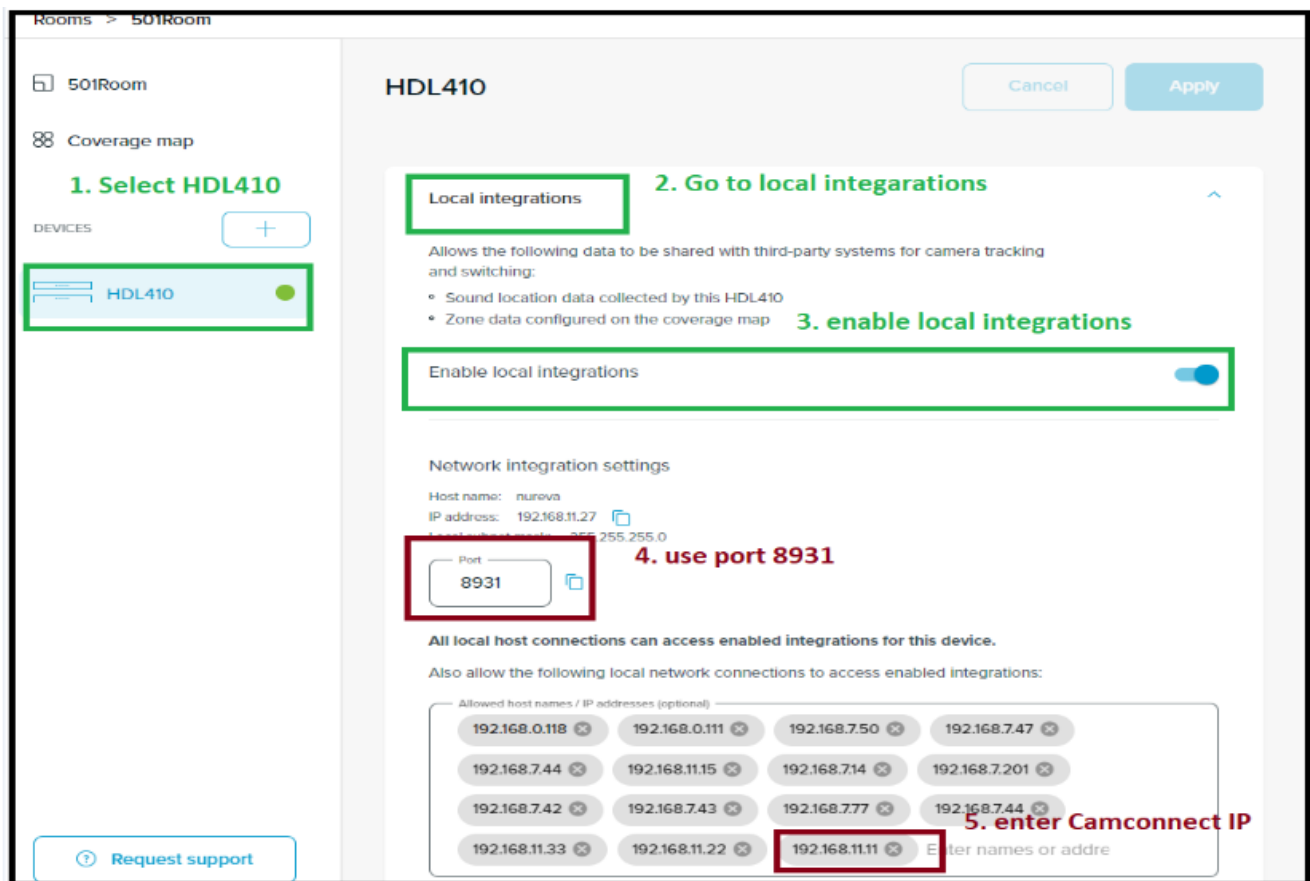
Preface:

- Allow HDL410 to send data to CamConnect
- Three Basic connection Steps
- Fine tuning and mapping of seating positions (Azimuth angles in CamConnect) with HDL410

Connecting CamConnect with HDL410

Allow HDL410 to send data to CamConnect.

- Use port [8931] & enter Camconnect`s IP address [Ex. 192.168.11.11].

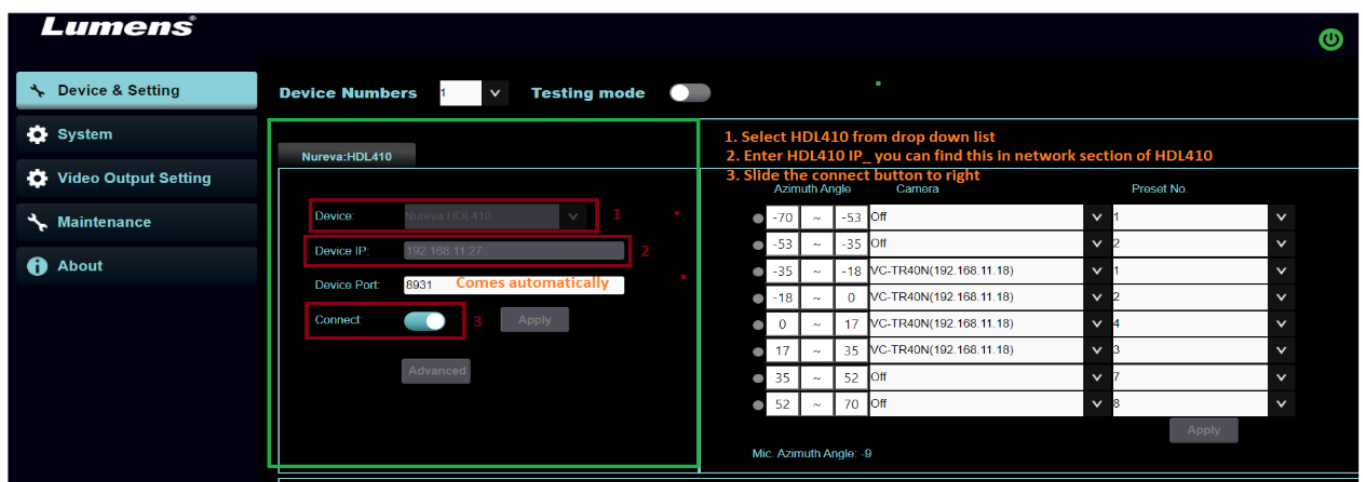


Nureva default port is 8931. Please confirm the port is allowed to connect with your PC.

Three Basic connection Steps:

Below items are found under [Supported Device & Settings] HDMI/Web interface.

- From Device drop down list select = HDL410.
- Enter HDL410's IP address = [example : Device IP = 192.168.11.27]. IP of HDL410 can be found as shown in 3.1.
- Connect toggle bar set to connect = [Connect = move toggle to right].



Fine tuning and mapping of seating positions (Azimuth angles in Camconnect) with HDL410.

- In Advanced setting of CamConnect; set the [Audio Trigger level = 65] or stay close to 60 depending on environment.

- Camconnect automatically provides 8 Azimuth Angles (these angles are adjustable for fine tuning per environment).
- In my example; I show only 4 azimuth Angles in operation; voice source is detected at [-35 ~ -18] then VC-TR40N preset 1 is used to capture talker/voice source.
- Map and Adjust your azimuth angle and seating arrangements per environment, use “heat map” in Coverage map.

Device & Setting

System

Video Output Setting

Maintenance

About

Device Numbers

1

Testing mode

Connected State_ HDL410 sending data to Camconnect & camConnect processing/triggering camera to capture preset position when triggered

Nureva:HDL410

Device: Nureva HDL410

Device IP: 192.168.11.27

Device Port: 8931

Connect

Apply

Advanced

Azimuth Angle	Camera	Preset No.
-70 ~ -53	Off	1
-53 ~ -35	Off	2
-35 ~ -18	VC-TR40N(192.168.11.18)	1
-18 ~ 0	VC-TR40N(192.168.11.18)	2
0 ~ 17	VC-TR40N(192.168.11.18)	4
17 ~ 35	VC-TR40N(192.168.11.18)	3
35 ~ 52	Off	7
52 ~ 70	Off	8

Example: Gree highlight shows HDL410 detects voice source at -21 degrees, sends it to Camconnect, camconnect then triggers a camera to capture person at this position

Mic Azimuth Angle: -21

Thank You!

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Documents / Resources

[Lumens HDL410 CamConnect Pro Setting](#) [pdf] User Guide
 HDL410, HDL410 CamConnect Pro Setting, CamConnect Pro Setting, Setting

References

- [Lumens – Pro AV Technology | Lumens](#)
- [Nureva Console | Software and services](#)

- [User Manual](#)

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