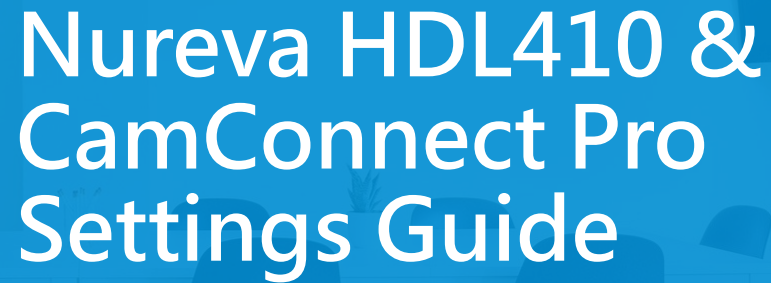




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Nureva HDL410 &  
CamConnect Pro  
Settings Guide

# Discovering / Enrolling HDL410

- Accessing the Nureva Console
- Enrolling HDL410 (Console method)
- Defining and editing room dimensions

# 1. Access and enroll HDL410

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

You can connect over USB or using a browser (shown here). If you are using USB, click here for more information <https://support.nureva.com/faqs-nureva-console/generate-enrollment-code-with-nureva-console-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**

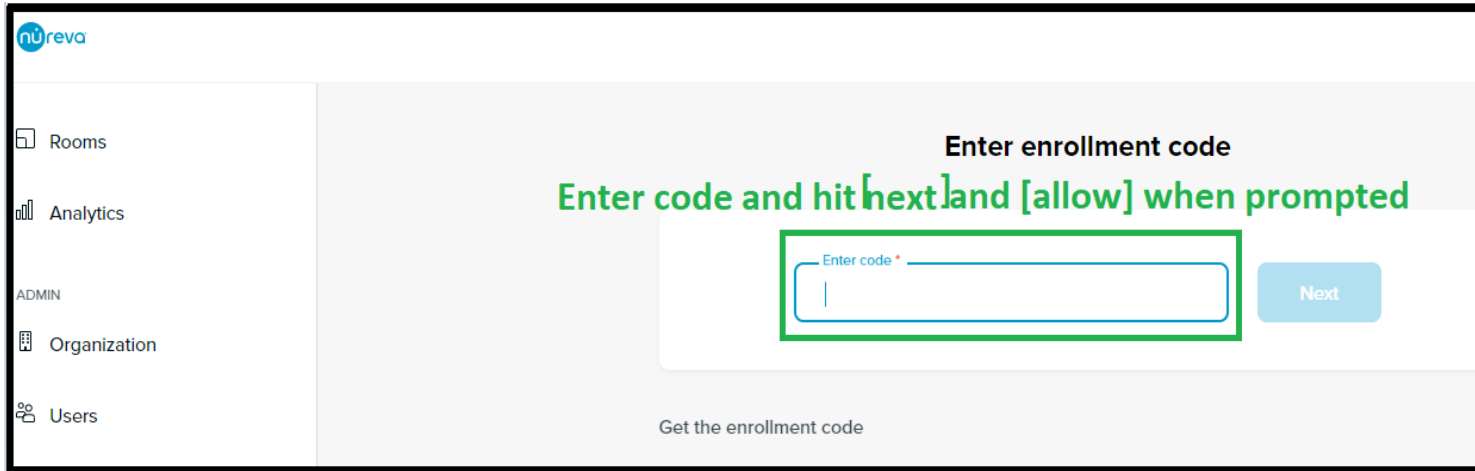
Room name ↑	Device	Firmware version	Device status	Actions
501Room	HDL410	1.5,243554	Online	...
Lumens_401 PRO	Dual HDL300	31.9	Online	...

# 1. Access and enroll HDL410

## 1.2 Enrolling an HDL410 onto the console:

1.2.1 enter your enrollment code (located at the bottom of the hardware).

1.2.2 You will be prompted to enter room level details - see next section.



The screenshot shows the nureva console interface. On the left is a navigation sidebar with the nureva logo at the top, followed by 'Rooms', 'Analytics', 'ADMIN' (with a sub-item 'Organization'), and 'Users'. The main content area is titled 'Enter enrollment code' and contains a large green instruction: 'Enter code and hit next and [allow] when prompted'. Below this is a form with a text input field labeled 'Enter code \*' and a blue 'Next' button. At the bottom of the main area, there is a link that says 'Get the enrollment code'.

# HDL410 Room Level Settings

- Defining the room type
- Accessing room levels
- Defining / editing room dimensions for optimal performance
- Fine tuning in relation to the seating layout and HDL410 ports
- Recalibrating the HDL410

## 2. Setting up HDL410 in room (room level settings)

### 2.1 Defining room type:

- We are using a Meeting Room as an example.

501Room

**Note: this is a sample of configured room, you will be prompted to enter room name and type when enrolling HDL410**

License	License expiry	Refresh
N/A	N/A	

---

Room name	Room type	Capacity
501Room	Meeting Room	—

Tags **Define room type**

Room time zone
Asia/Taipei (UTC+08:00)

Notes

Add notes

## 2. Setting up an HDL410 in a room

### 2.2 Accessing room level settings

- Your newly created room will appear in rooms section. Click [room name] for access.

The screenshot shows the noreva web interface. The left sidebar contains navigation options: Rooms (highlighted), Analytics, ADMIN, Organization, and Users. The main content area is titled 'Rooms' and features a '+ Enroll device' button. A summary dashboard shows four metrics: Total rooms (2), All good (1), Warnings (1), and Issues (0). Below this is a table with the heading '2. Select your Room with HDL410' and an 'Update all' button. The table has columns for Room name, Device, Firmware version, Device status, and Actions. The first row, '501Room', is highlighted with a red box and an arrow pointing to it with the text 'access room level setting'. The second row is 'Lumens\_401 PRO' with device 'Dual HDL300' and status 'Unavailable'. The footer shows 'Items per page: 10' and '1 - 2 of 2'.

Room name ↑	Device	Firmware version	Device status	Actions
501Room	HDL410	1.5.243554	Online	...
Lumens_401 PRO	Dual HDL300	3.19	Unavailable	...

## 2. Setting up dual HDL410s

### 2.3 Defining / editing the room dimensions: (Dual HDL410s work as if a single unit.)

The screenshot shows the Lumens software interface for configuring a room named "501Room". The interface is divided into a left sidebar and a main content area.

**Left Sidebar:**

- Rooms > 501Room
- 501Room (highlighted with a green box)
- Coverage map
- DEVICES
- HDL410 (with a green dot)
- A "+" button

**Main Content Area:**

- 1. Enter your room (green text)
- 501Room
- Coverage map BETA ⓘ
- Explore sound location data
- Bird's-eye view of microphone coverage area.
- Sound detected
- 2. Edit room size (green text)
- Edit room size (button, highlighted with a green box)

The main content area displays a grid representing the room's microphone coverage area. The grid is bounded by "Port 1" at the bottom and "Port 2" at the top. Numerous blue circles of varying sizes are scattered across the grid, representing detected sound locations. A small green square is visible in the bottom right corner of the grid.



## 2. Setting up dual HDL410s

### 2.4 Defining Room Dimensions for optimal performance: (Coverage map)

1. Measure your room and place HDL410 port 1 and 2 as precisely as possible.
2. In this demo, the actual room size is bigger than the defined dimensions. This helps to reduce eliminate echo and reduce background noise.

The screenshot displays the Lumens software interface for configuring a room. The main area is titled "Coverage map" and shows a room layout with two HDL410 devices, "Port 1" and "Port 2", positioned at opposite ends. A red box highlights "Port 2" with the label "A 1". A smaller inset map shows a room with dimensions "A: 4.1 m" and "B: 4.9 m", with "Port 1" at the bottom. A red box highlights "Port 1" with the label "A 2".

Annotations on the screen include:

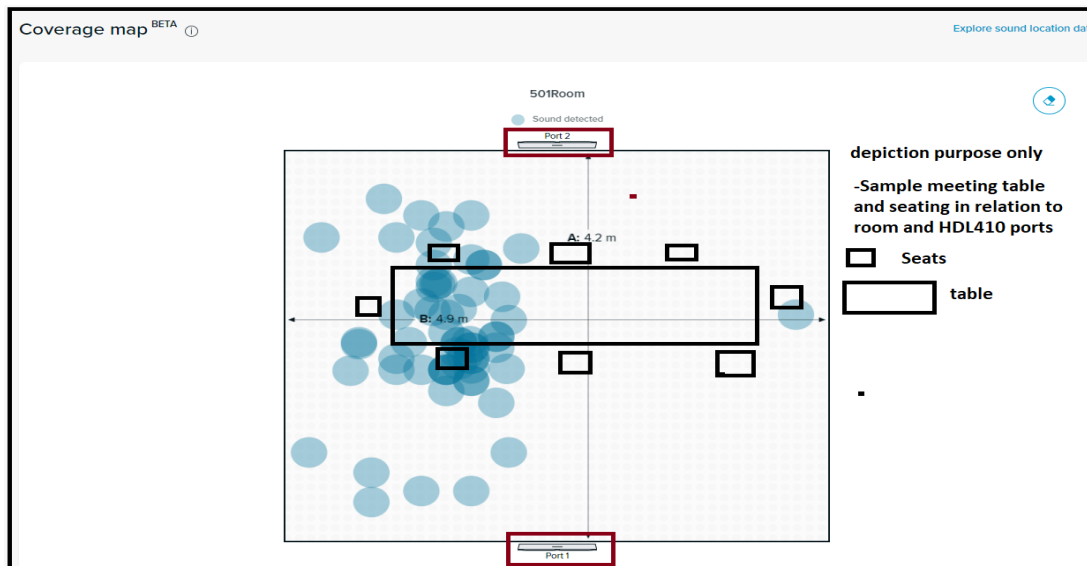
- Green text: "1. Edit room redirects to coverage map" (with a green box around the "Coverage map" button in the left sidebar).
- Red text: "HDL410 orientation\_this can vary based on environment and usage" (above the room map).
- Green text: "B. Click on [Room Dimensions] to enter dimensions on feet or meters" (with a green arrow pointing to the "Room dimensions" panel).
- Orange text: "Example: Defined dimension for pick up area (room level)" (pointing to the inset map).

The right sidebar shows the "Room dimensions" panel, which includes a "Room dimensions" header, a note about adjusting dimensions, the HDL410 maximum pickup area (35ft x 55ft / 10.7m x 16.8m), and radio buttons for "Feet" and "Meters" (with "Meters" selected). Below are input fields for dimensions A (4.1 m) and B (4.9 m). The "Zones" section is partially visible below.

## 2. Setting up HDL410 in room (room level settings)

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

- The blue spots shows noise or voice detection.
- Adjust your HDL410 port positioning as needed based on the environment and the room layout.



## 2. Setting up HDL410

### 2.6 Recalibrating and optimizing the HDL410

**Note:** After enrolling and defining room level settings, click [Recalibrate]. This ensures all settings are stored and HDL410 “is aware” of environmental/room level changes. Whenever there are room level changes, please recalibrate your HDL410.

The screenshot displays the nUreva web interface for configuring an HDL410 device in a room named "501Room".

- Left Sidebar:** Shows the room "501Room" and a "Coverage map" icon. Below, under "DEVICES", the "HDL410" device is listed and highlighted with a green box. A plus sign (+) is next to it.
- Main Content Area:**
  - Header:** "HDL410" with "Cancel" and "Apply" buttons.
  - Section 2:** "2. Go to [Audio Processing] section". Below it, instructions: "If remote users near voices in the room cutting out, select a lower setting. If remote users hear background noises such as HVAC or fans, select a higher setting."
  - Radio Buttons:** Three options: "Low", "Medium (Recommended)" (selected), and "High".
  - Recalibrate Section:** A "Recalibrate" heading followed by the text: "Use recalibrate when the room changes significantly to quickly optimize audio. This will play a sequence of sounds in the room. Please ensure the room is quiet." Below this is a "Start" button highlighted with a red box.
  - Instruction:** "Click to recalibrate - this will take a while, wait until fully completed (solid light on speakers)".
  - Auxiliary ports:** A dropdown menu labeled "Auxiliary ports" at the bottom.

# CamConnect Pro Settings

# Link CamConnect Pro to HDL410

- Enable HDL410 to send data to CamConnect Pro
- Basic connection
- Map and fine tune seating positions

# 3. Link CamConnect Pro with HDL410

## 3.1 Enable HDL410 to send data to CamConnect.

- Enter port [8931] & enter CamConnect Pro's IP address [Ex. 192.168.11.11].

Rooms > 501Room

501Room

Coverage map

1. Select HDL410

DEVICES +

HDL410

HDL410

Local integrations

2. Go to local integrations

Allows the following data to be shared with third-party systems for camera tracking and switching:

- Sound location data collected by this HDL410
- Zone data configured on the coverage map

3. enable local integrations

Enable local integrations

Network integration settings

Host name: nureva

IP address: 192.168.11.27

Port: 8931

4. use port 8931

All local host connections can access enabled integrations for this device.

Also allow the following local network connections to access enabled integrations:

Allowed host names / IP addresses (optional)

192.168.0.118 192.168.0.111 192.168.7.50 192.168.7.47

192.168.7.44 192.168.11.15 192.168.7.14 192.168.7.201

192.168.7.42 192.168.7.43 192.168.7.77 192.168.7.44

192.168.11.33 192.168.11.22 192.168.11.11

5. enter Camconnect IP

Request support

❌ Please confirm that port 8931 is permitted to connect with your PC.

## 3. Link CamConnect Pro with HDL410

3.2 Go to [Supported Device & Settings] in CamConnect Pro's HDMI/web interface.

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

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Device & Setting | Device Numbers: 1 | Testing mode:

System | Video Output Setting | Maintenance | About

Nureva:HDL410

Device: Nureva:HDL410 (1)

Device IP: 192.168.11.27 (2)

Device Port: 8931 Comes automatically

Connect:  (3)

1. Select HDL410 from drop down list  
 2. Enter HDL410 IP\_ you can find this in network section of HDL410  
 3. Slide the connect button to right

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

Mic. Azimuth Angle: -9

# Link CamConnect Pro with HDL410

## 3.3 Map and fine tune seating positions

In the Advanced settings of CamConnect Pro, set the Audio Trigger level to 65 or stay close to 60 depending on environment.

- CamConnect automatically provides 8 Azimuth Angles. These angles are adjustable to suit your space.
- Here we show only 4 azimuth Angles in operation. A voice source is detected at [-35 ~ -18 ] then the VC-TR40N camera's preset 1 is used to frame the speaker sitting at that position.
- Map and adjust your azimuth angle and seating arrangements. Use the "heat map" in Coverage map as a guide.

Device & Setting

Device Numbers 1 Testing mode

System

Video Output Setting

Maintenance

About

Device: Nureva HDL410

Device IP: 192.168.11.27

Device Port: 8931

Connect:  Apply

Advanced

Connected State\_HDL410 sending data to Camconnect & camConnect processing/triggering camera to capture preset position when triggered

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

Mic. Azimuth Angle: -21

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



# Thank You!



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