

Dahua Video Doorbell

[Firmware Version 4.7](#)



Table of contents

-Used Setup

What products are used.
Which firmware is used.

-Programming local

How to program the outdoor station.
How to program the indoor monitor(s).
How to check the local setup.

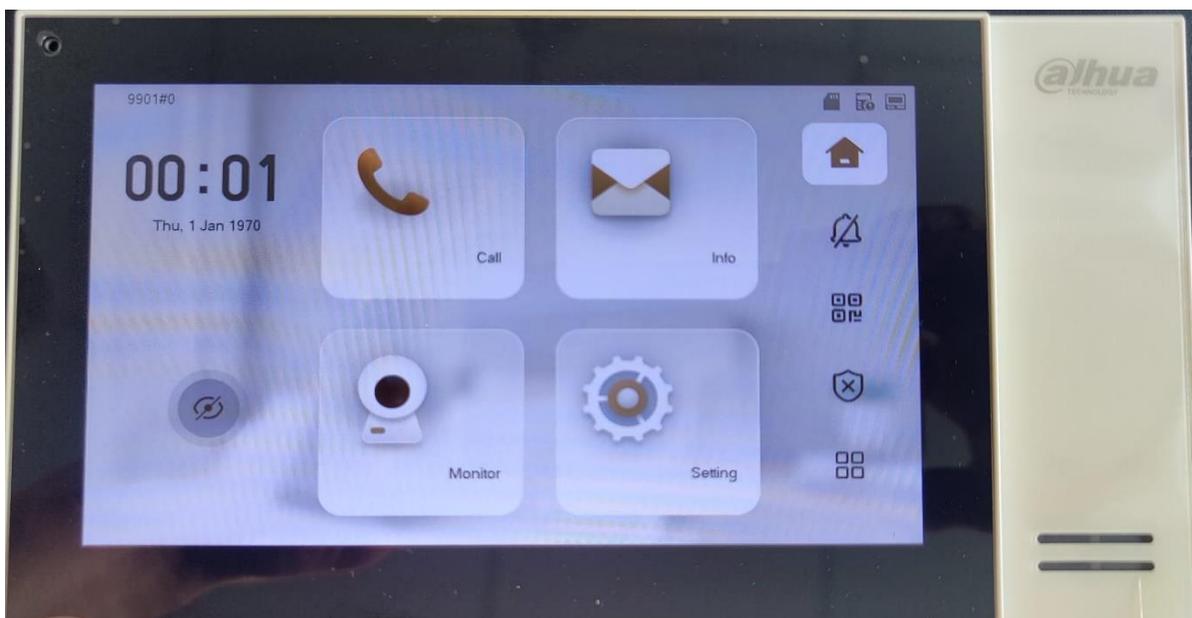
-Activating DMSS app in indoor monitor

How to activate the app in the indoor monitor.

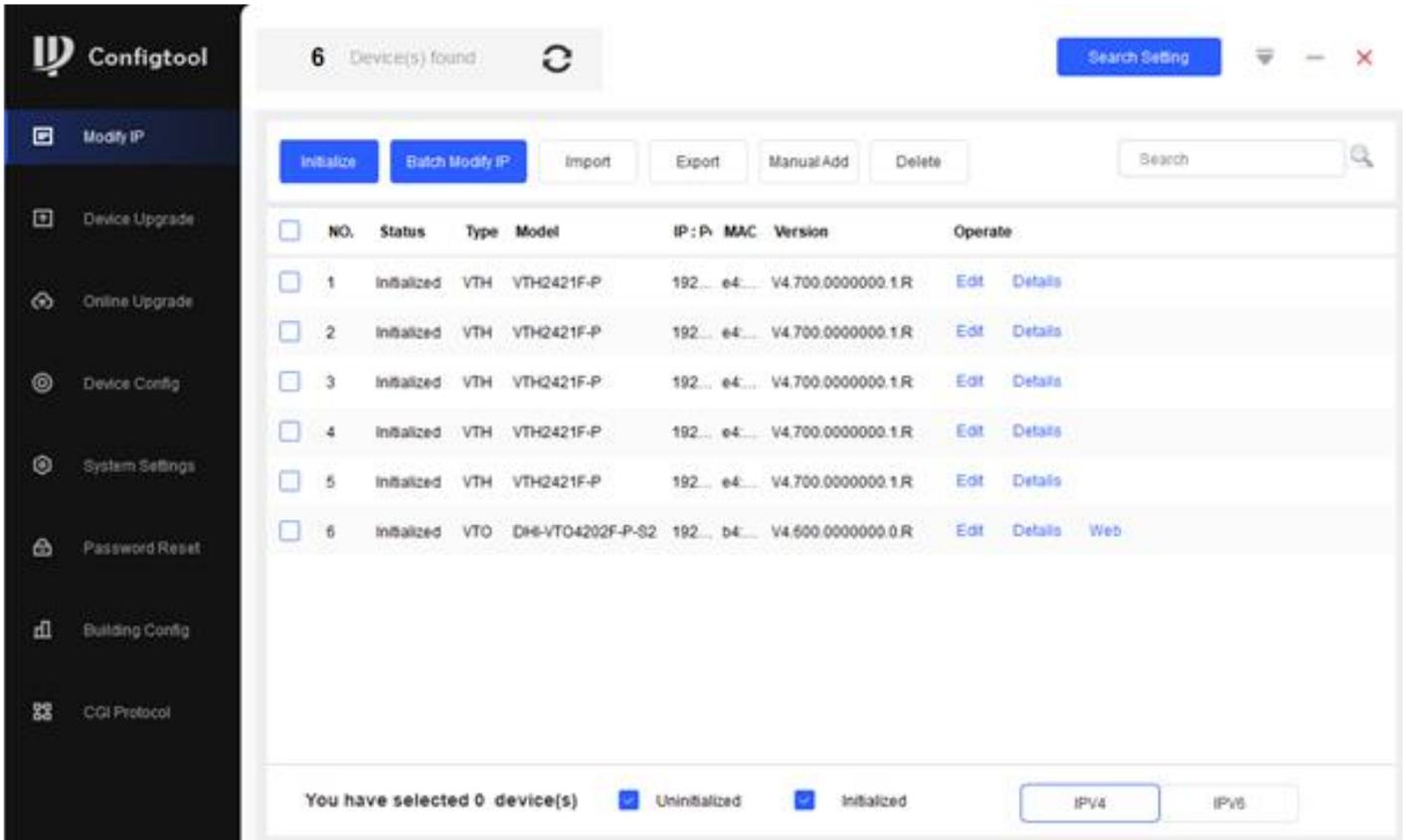
-Connecting app to installation

Which app do I need to download.
How to make an account.
How to connect the app to the indoor monitor.

Example of the physical layout of fw v4.7



Used Setup



NO.	Status	Type	Model	IP: P	MAC	Version	Operate
1	Initialized	VTH	VTH2421F-P	192...	e4...	V4.700.0000000.1.R	Edit Details
2	Initialized	VTH	VTH2421F-P	192...	e4...	V4.700.0000000.1.R	Edit Details
3	Initialized	VTH	VTH2421F-P	192...	e4...	V4.700.0000000.1.R	Edit Details
4	Initialized	VTH	VTH2421F-P	192...	e4...	V4.700.0000000.1.R	Edit Details
5	Initialized	VTH	VTH2421F-P	192...	e4...	V4.700.0000000.1.R	Edit Details
6	Initialized	VTO	DHI-VTO4202F-P-S2	192...	b4...	V4.600.0000000.0.R	Edit Details Web

What products and firmware are used.

Outdoor station:

DHI-VTO4202F-P-S2

Firmware : V4.600.0000000.0.R

The VTO has the 5 button module (VTO-4202F-MB5) connected for multiple indoor monitors.

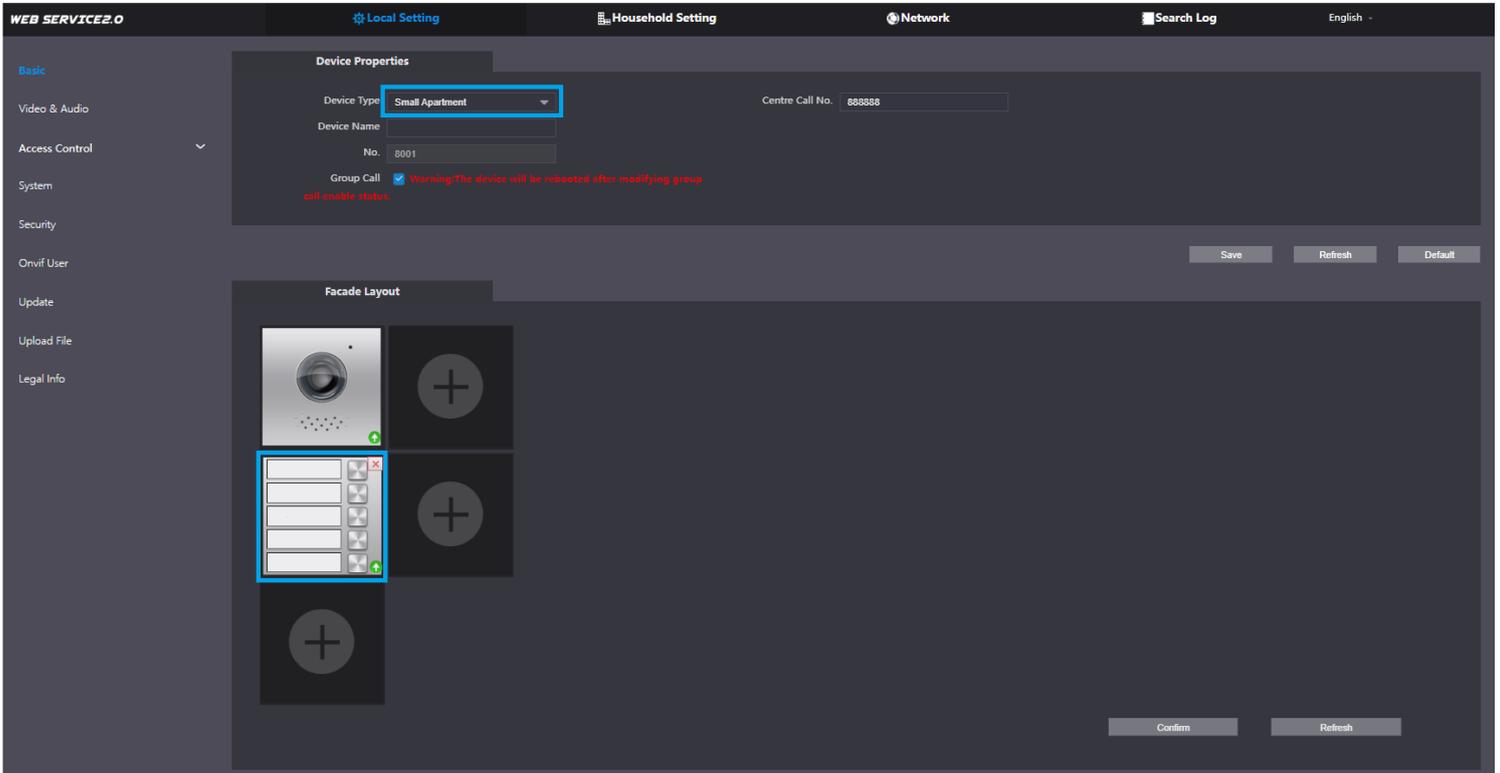
Indoor monitor:

DHI-VTH2421F-P

Firmware : V4.700.0000000.1.R

Programming local

How to program the outdoor station.



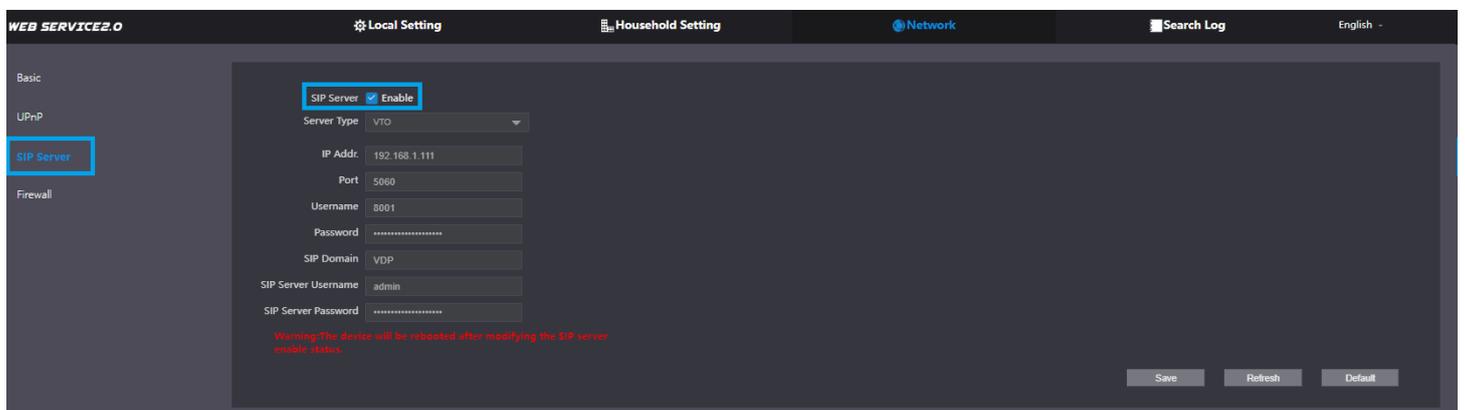
1. LOCAL SETTINGS

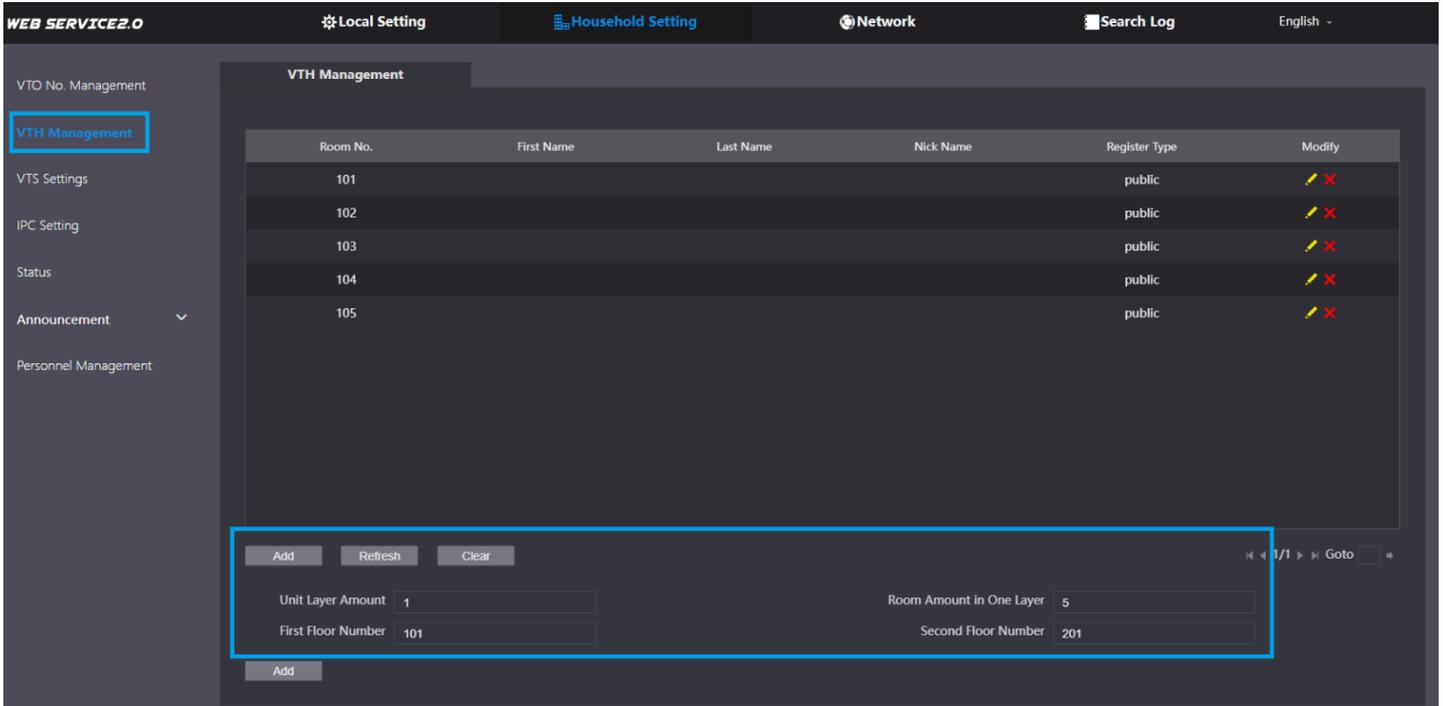
Set the Device type to “Small Apartment” and click “SAVE”.

Then add in the “façade Layout” the right submodule. In this case it’s only the 5 button extension.

2. NETWORK

Check if the “SIP SERVER” is ENABLED, This option makes the outdoor station the sip server.





VTH Management

Room No.	First Name	Last Name	Nick Name	Register Type	Modify
101				public	✏️ ✖️
102				public	✏️ ✖️
103				public	✏️ ✖️
104				public	✏️ ✖️
105				public	✏️ ✖️

1/1 Goto

Unit Layer Amount:
 Room Amount in One Layer:

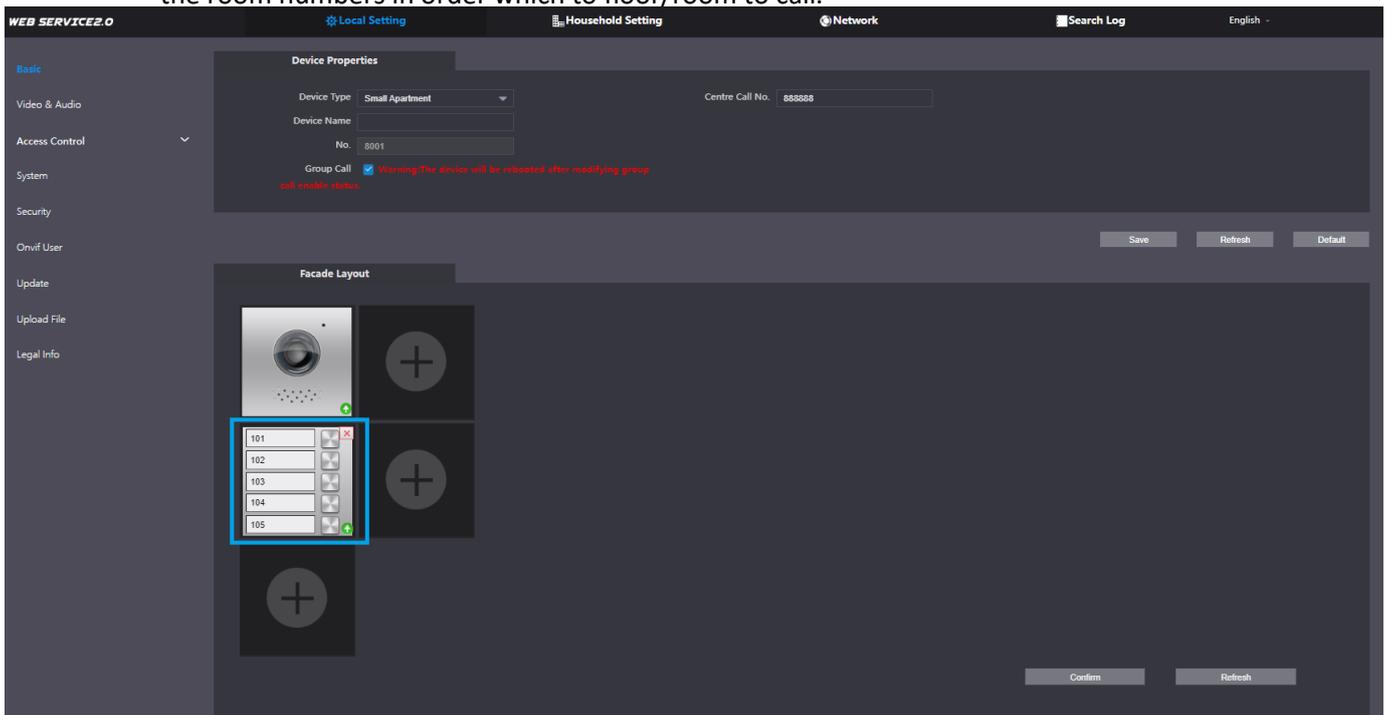
First Floor Number:
 Second Floor Number:

3. HOUSEHOLD SETTING

Go to the "VTH Management" and add as many room numbers as there are indoor monitors. First press "CLEAR" then edit the settings to the project and press "ADD". In the picture above there are 5 indoor monitors.

4. LOCAL SETTING

Edit the "façade Layout" by clicking on the name/button, you will see the room numbers. Add the room numbers in order which to floor/room to call.



Device Properties

Device Type:
 Centre Call No.:

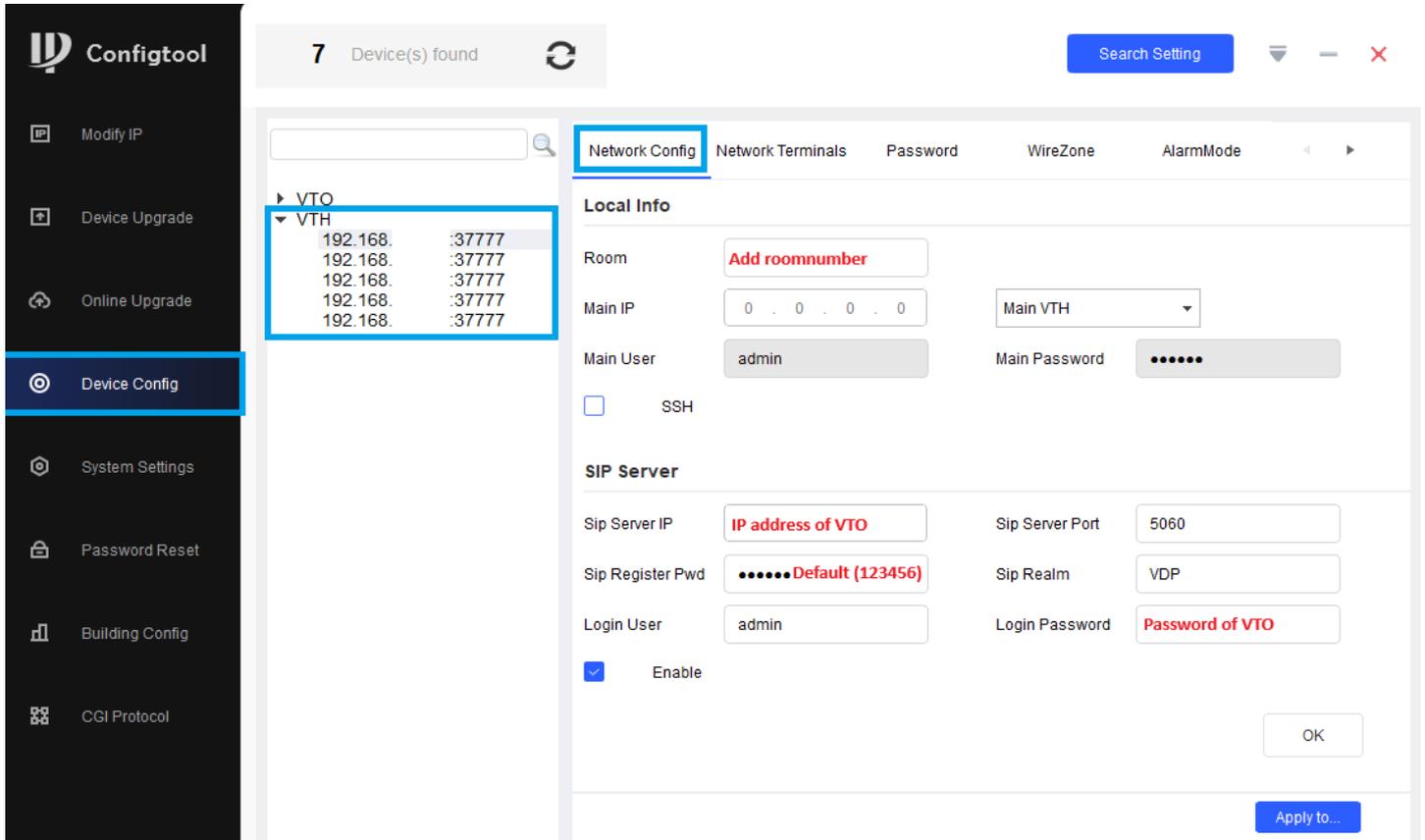
Device Name:

No.:

Group Call: Warning: The device will be rebooted after modifying group call enable status.

Façade Layout

How to program the indoor monitor(s).



1. DEVICE CONFIG

In the tab "Network config" click on the VTH you want to edit.

"Local info" tab.

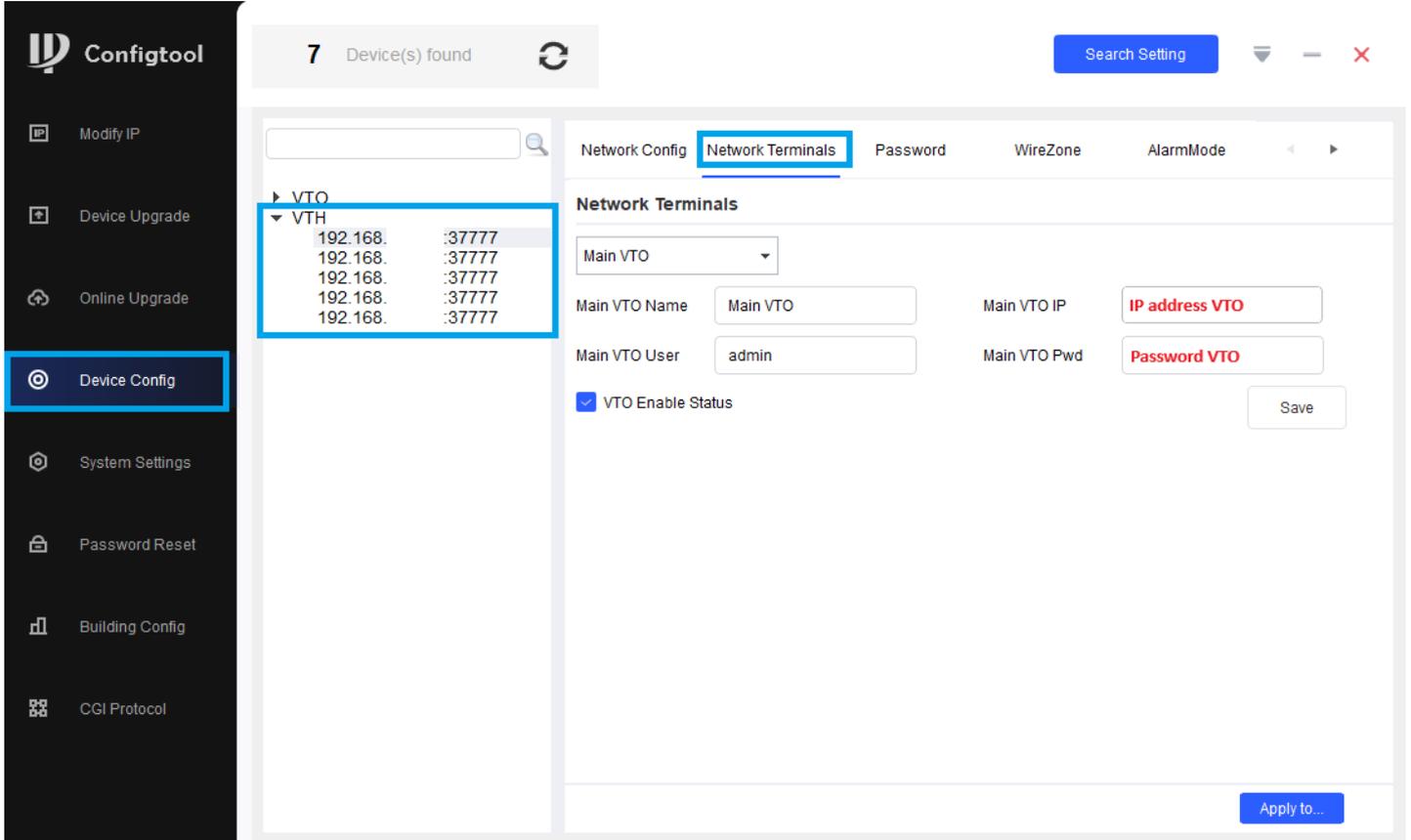
Fill in the "roomnumber" at the "room" option the same numbers as like in the VTO.
 (example, if this is the first one fill in "101". The next VTH will be room "102").

"SIP Server" tab.

The "Sip server IP" is the IP address of the (main) VTO.

Fill in the password from the VTO in the "login password" tab.

After all is edit, click "OK" In the bottom right corner.



The screenshot shows the Dahua Configtool interface. On the left is a sidebar with navigation options: Modify IP, Device Upgrade, Online Upgrade, Device Config (highlighted), System Settings, Password Reset, Building Config, and CGI Protocol. The main area shows a search for '7 Device(s) found'. A tree view on the left shows 'VTO' expanded to 'VTH', with a list of five entries, each showing '192.168. :37777'. The 'Network Terminals' tab is active, displaying configuration fields for 'Main VTO', 'Main VTO Name' (Main VTO), 'Main VTO IP' (IP address VTO), 'Main VTO User' (admin), 'Main VTO Pwd' (Password VTO), and a checked 'VTO Enable Status' checkbox. A 'Save' button is visible at the bottom right of the configuration area.

1. DEVICE CONFIG

In the tab “Network terminals” click on the VTH you want to edit.

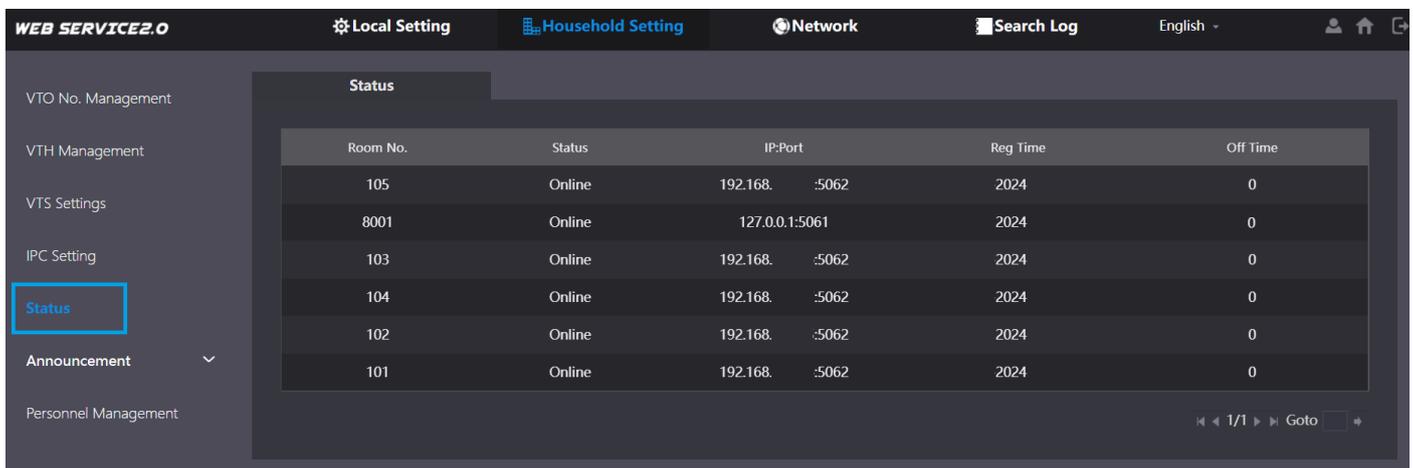
Fill in the IP address and the password of the VTO. Click on “Enable” and “SAVE”.

This option makes sure u can see the outdoor station without calling.

How to check the local setup.

When you finished the programming of the VTO and VTH’s. You’ll need to reboot all the devices.

This will make sure every device will make a new (fresh) connection to the sip server (VTO). This can be checked at “household setting – status”. Rebooting and connecting can take up to 10min.



The screenshot shows the Dahua WEB SERVICE 2.0 interface. The top navigation bar includes 'Local Setting', 'Household Setting', 'Network', 'Search Log', and 'English'. The left sidebar has options: VTO No. Management, VTH Management, VTS Settings, IPC Setting, Status (highlighted), Announcement, and Personnel Management. The main area displays a 'Status' table with the following data:

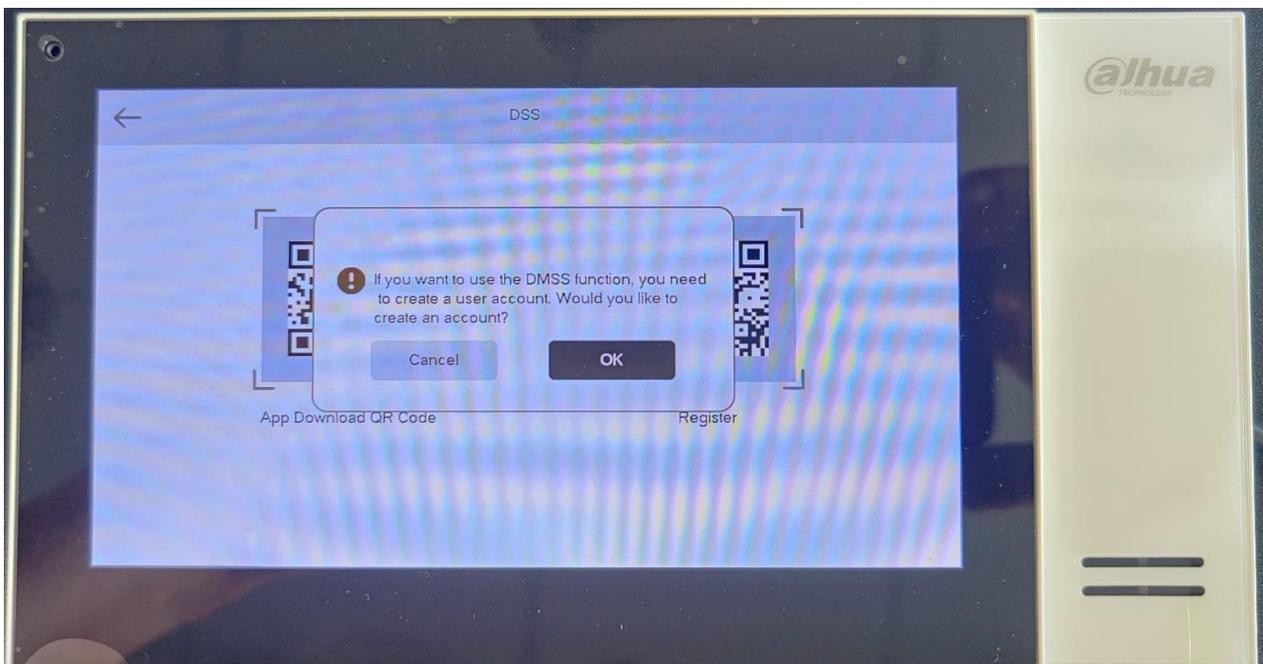
Room No.	Status	IP:Port	Reg Time	Off Time
105	Online	192.168. :5062	2024	0
8001	Online	127.0.0.1:5061	2024	0
103	Online	192.168. :5062	2024	0
104	Online	192.168. :5062	2024	0
102	Online	192.168. :5062	2024	0
101	Online	192.168. :5062	2024	0

At the bottom right of the table, there is a pagination control showing '1/1' and a 'Goto' button.

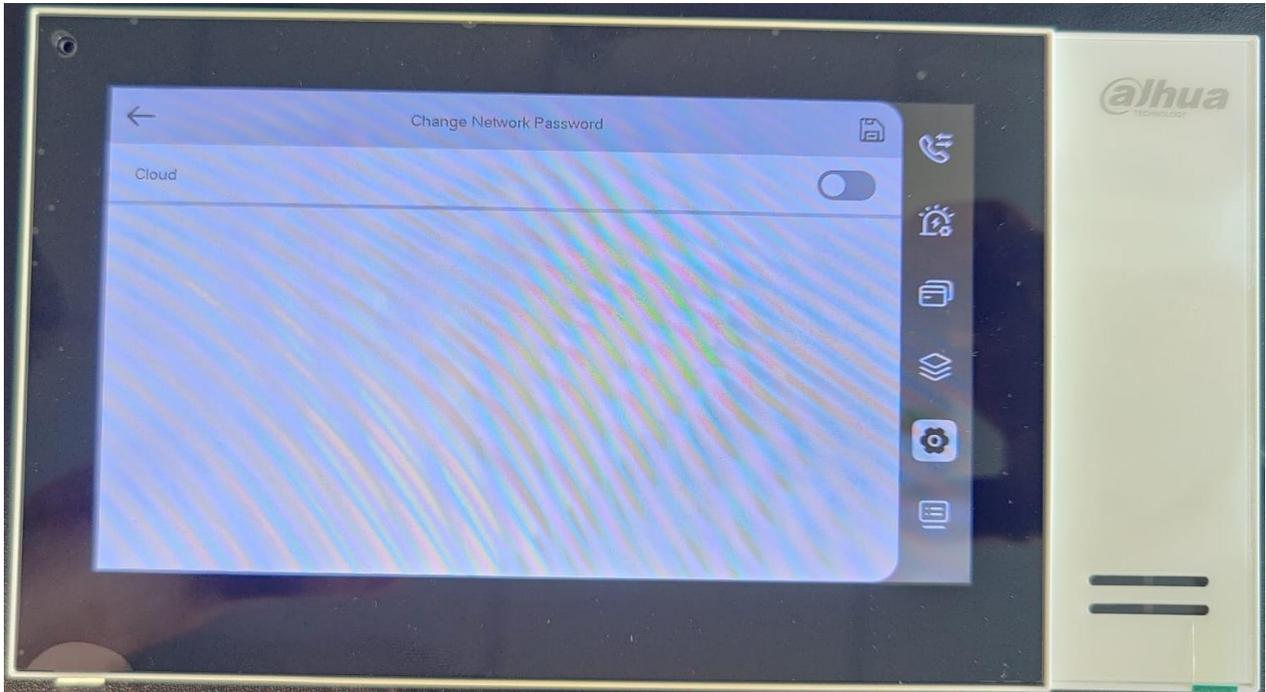
Activating DMSS app in indoor monitor



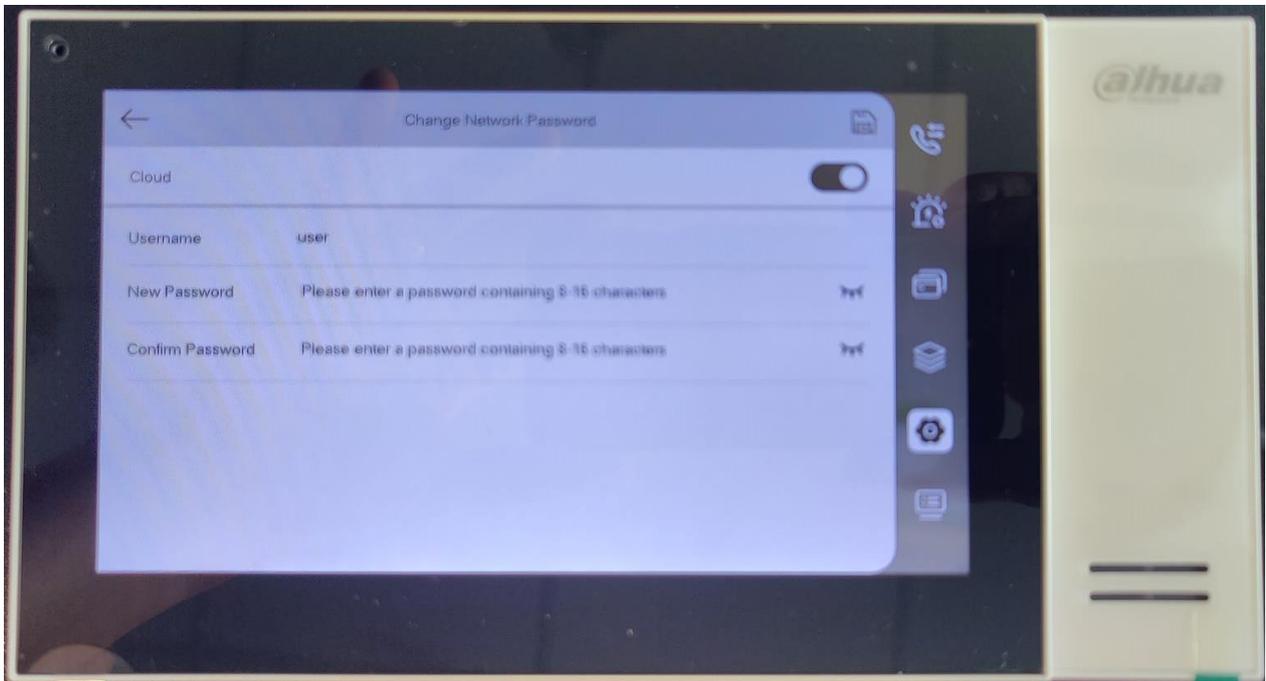
In the home screen click on the QR code icon in the middle of the right side icons.



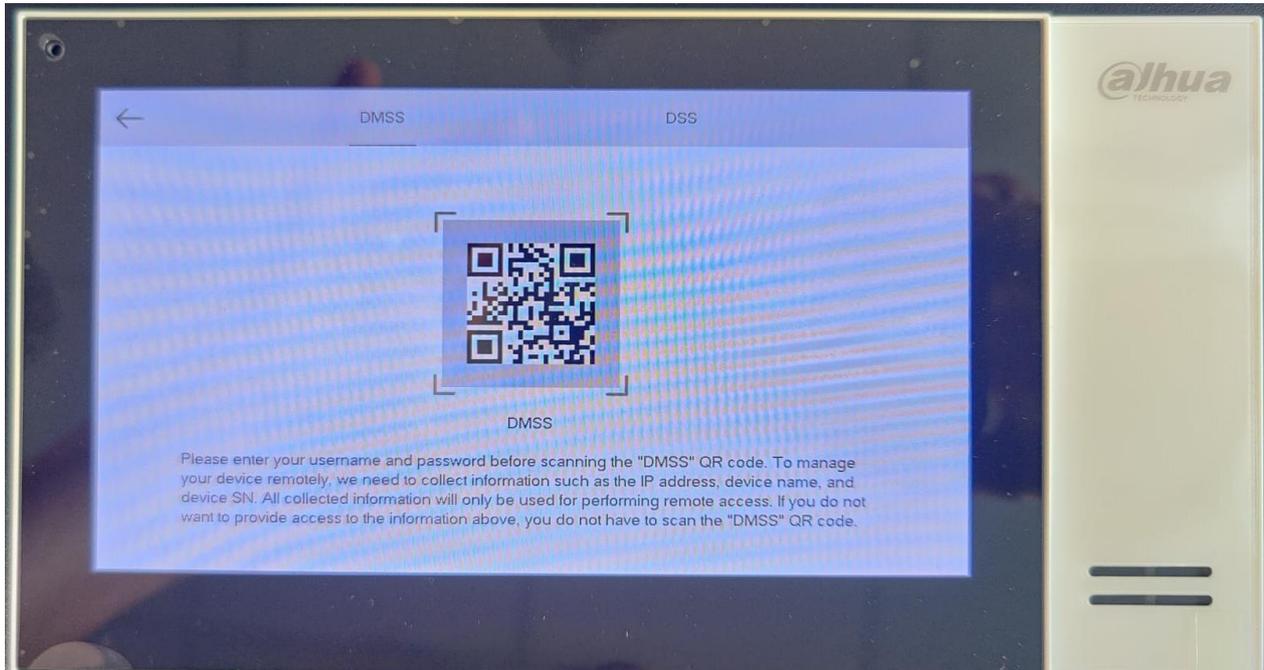
It will raise the question if u want to use the DMSS app. Click "OK".



Activate the cloud by clicking the slider.



Edit the name and fill in a new password.



After confirming the ID and Password settings, there will appear a new login QR code. There is now a new “DMSS” tab in the top of the screen.

Connecting app to installation

Which app do I need to download.



For android and Apple mobile phones, download in the app stores the “DMSS” app.

<https://play.google.com/store/apps/details?id=com.mm.android.DMSS&hl=en&gl=US>

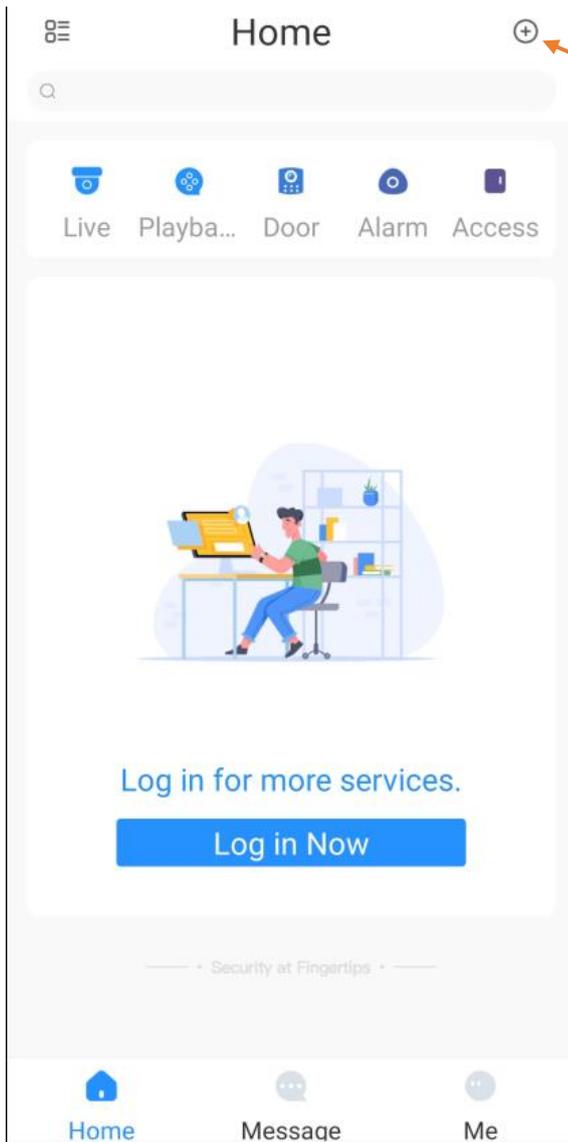
<https://apps.apple.com/us/app/dmss/id1493268178>

How to make an account.

In the “Small apartment” mode u **NEED TO** make an account for using the app for receiving push notifications. This because of the multiple buttons on one location.

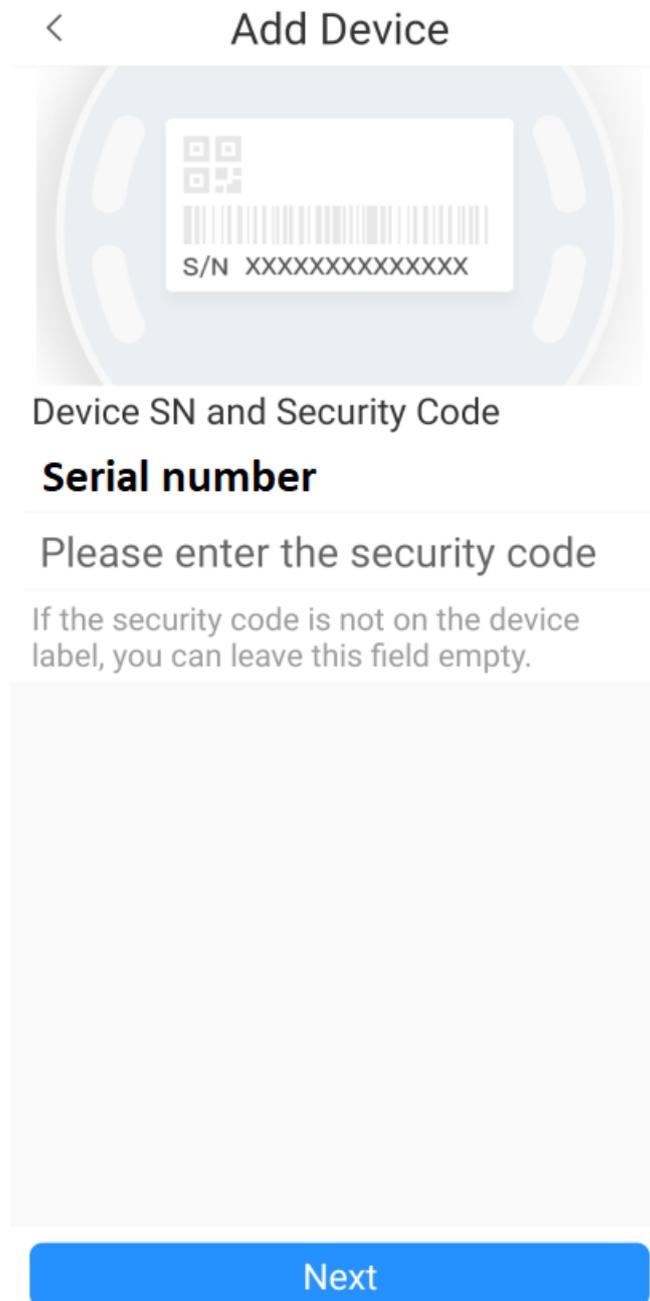
How to connect the app to the indoor monitor.

When downloaded the app. Open the app on your mobile device.

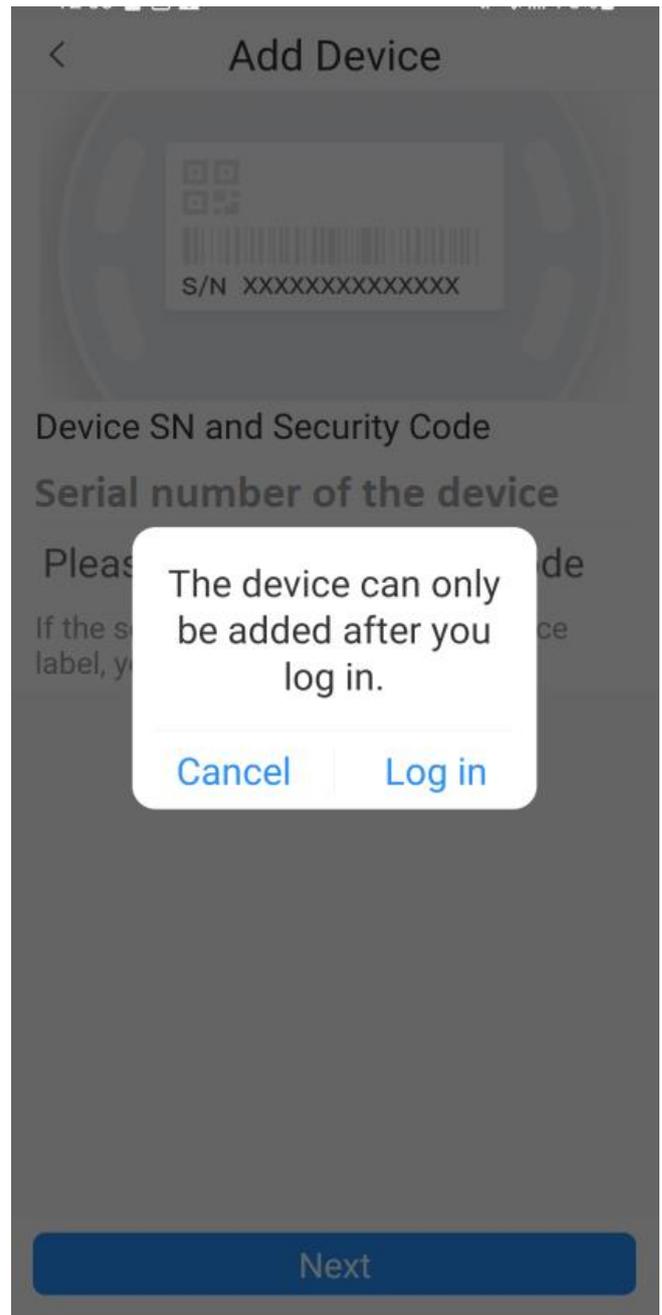
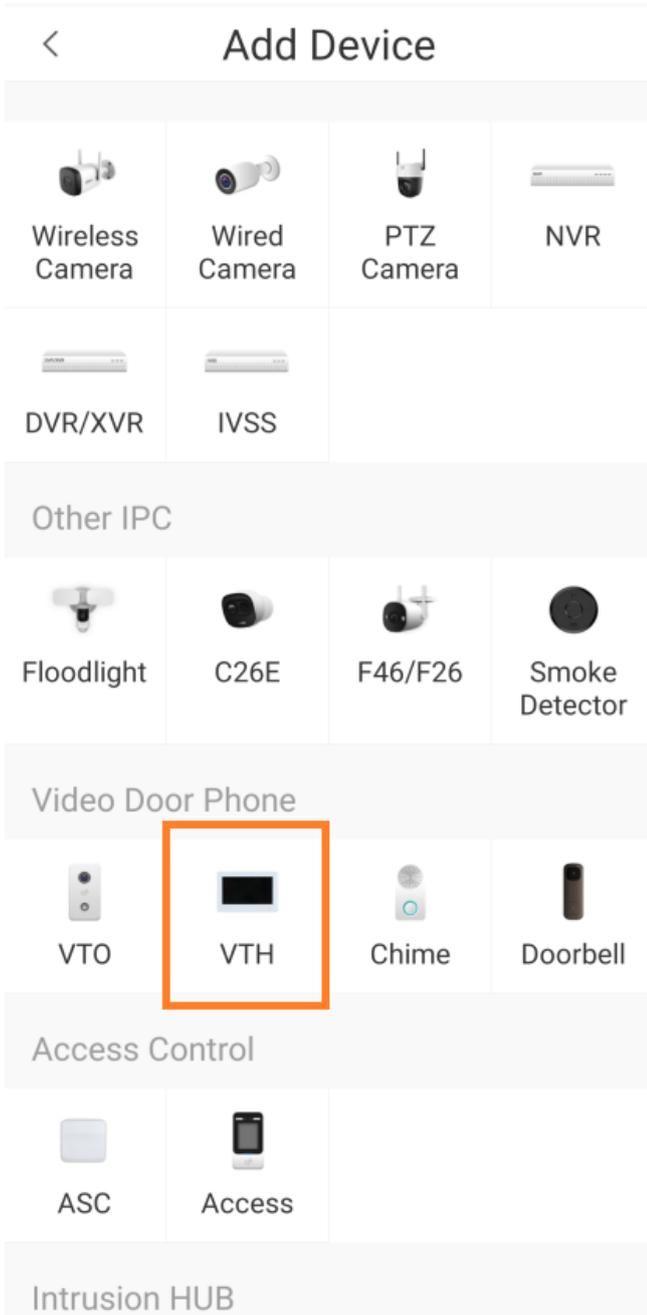


Add the VTH (DMSS) QR code by clicking “(+)”. And choose “SN/ Scan”. Scan the QR with the mobile device.

When the scan is succeeded. You will see the next screen with the serial number written down. When u added a security code you need to fill this in. When there is no security code leave this empty and press next.



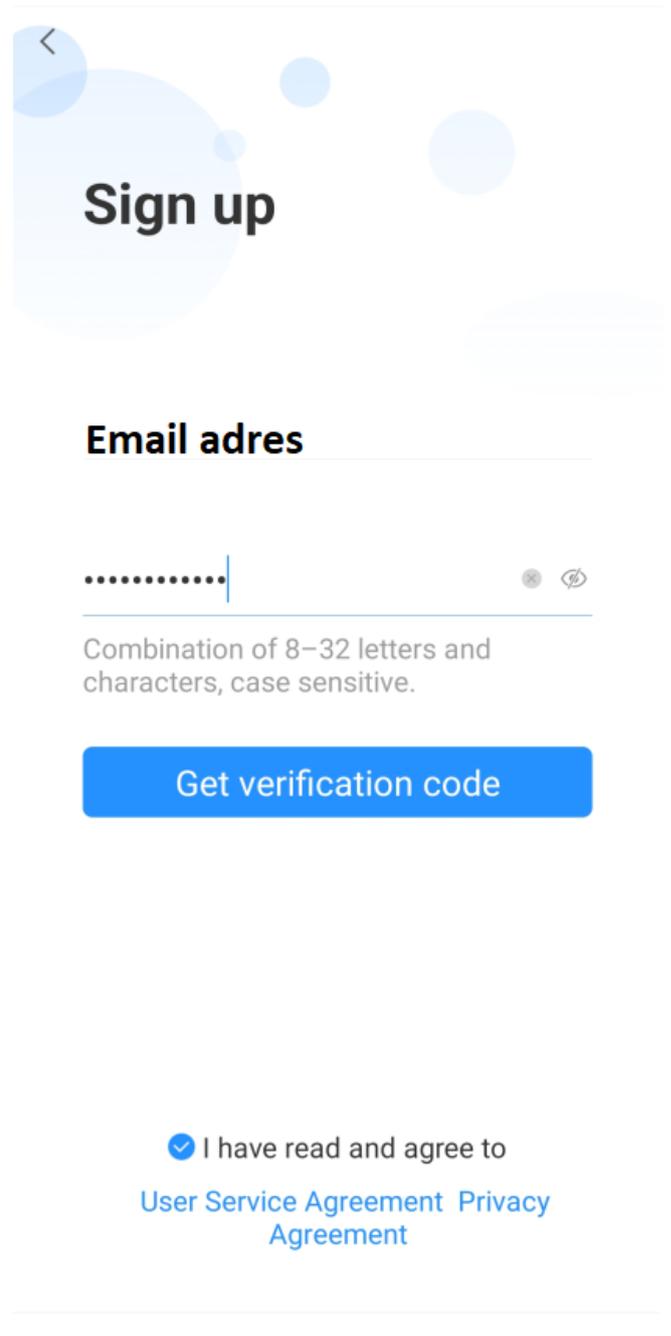
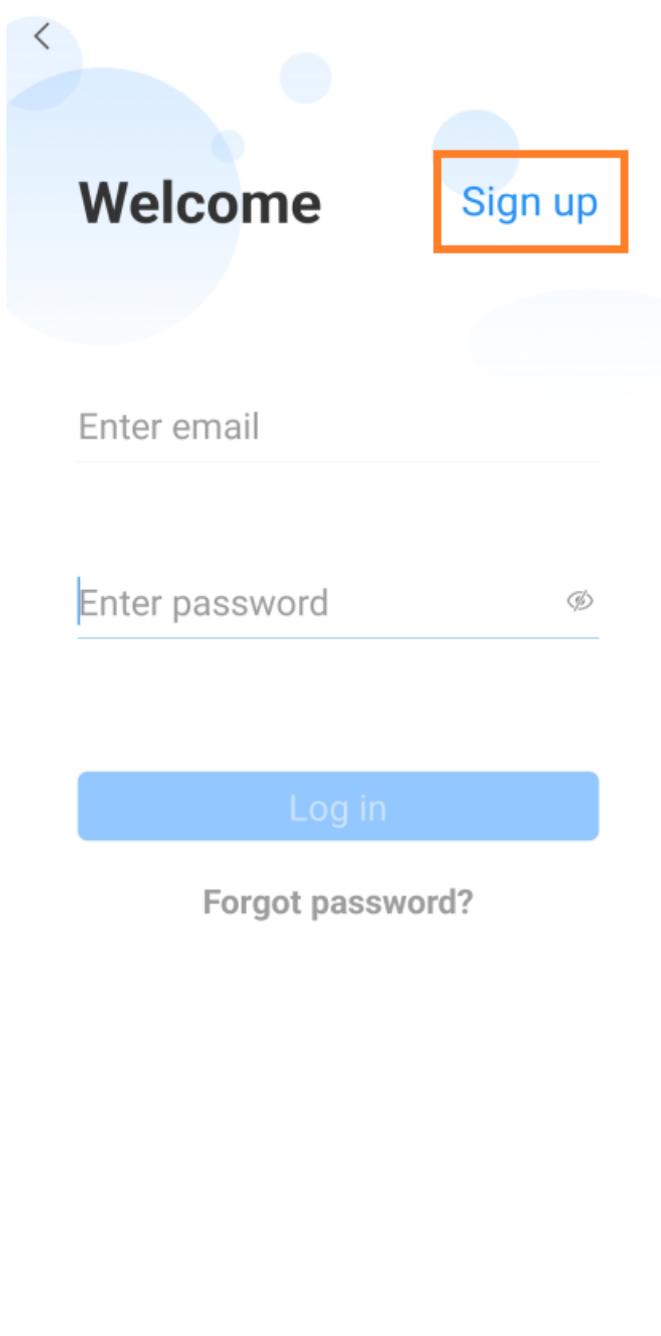
Choose what kind of device you scanned. In this case it's a "VTH".
When you want to finish this step the app will show a message that u need to make an account.
Click "Log in"



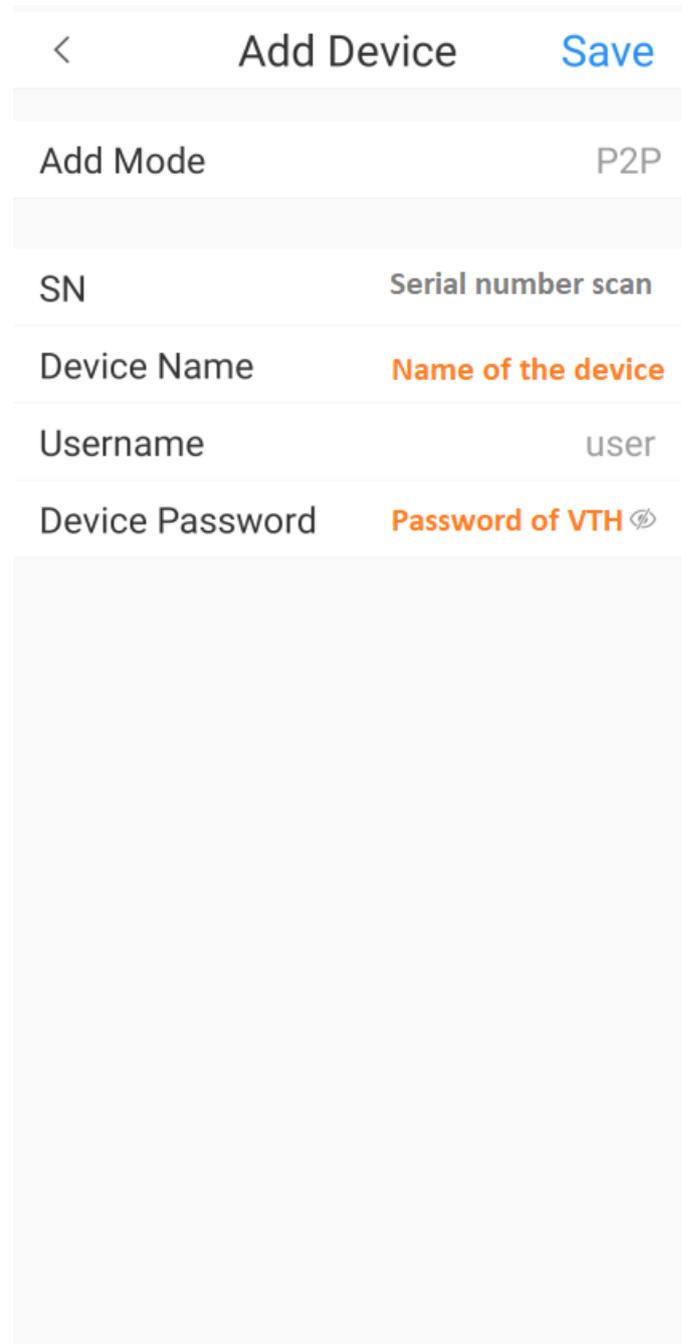
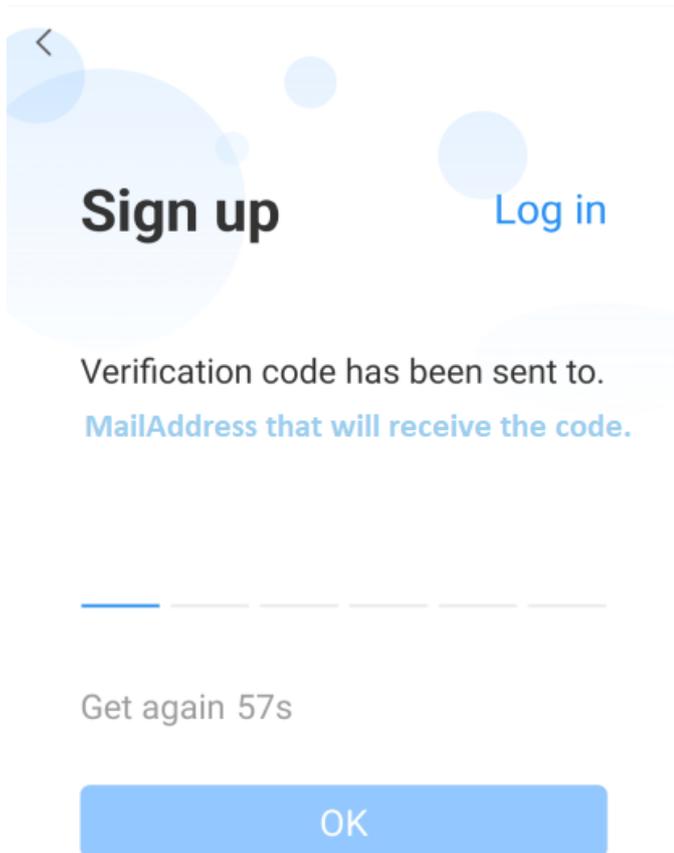
Make an account with a personal mail address.

ALL USERS NEED TO HAVE THEIR OWN ACCOUNT!!

You'll receive an code in the mail to verify.



When u put in the received verify code, the next screen will appear.
Make up a device name for reference. Then use the data that was put in the VTH.
Edit the "username" if it's edit in the VTH.
Fill in the "device password" that was made in the VTH.



When successfully added, you'll see the next screen. Make sure all options for notifications are enabled. In the DMSS as in the mobile device settings. There is an option to call from the mobile device to the indoor monitor, also to the outdoor station, with or without video. Also open the door with release key 1 and 2.

