



LTH-303m-WIFI is a modern stylish intercom device with a compact design. The size is slightly larger than a computer mouse. It is sleek and professional looking when installed.

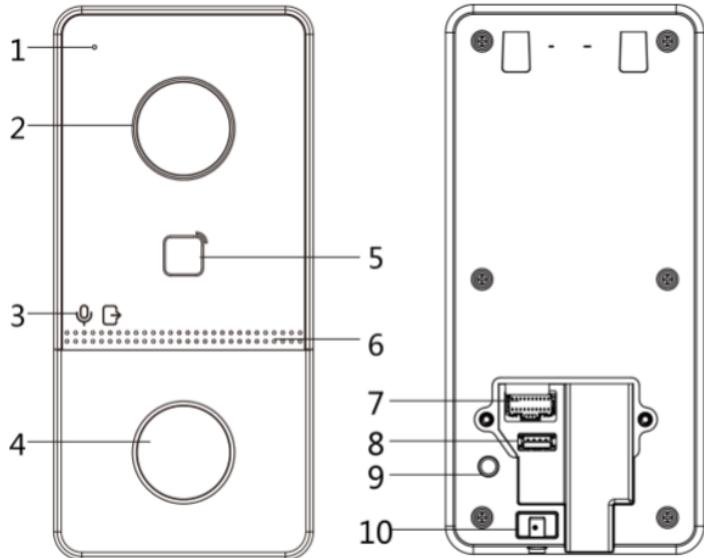
The LTH-303m-WIFI model is the same as the 302m-WIFI, the difference is that a new chipset is used and the firmware function upgrade of the WIFI programming part. So you may notice that there is a label of 302m on the quick release list, which is basically the same.

From the beginning, there are three things you need to know about.

1. The White Tap Card. The tap card is designed for no network programming cards. It should not be used if you are connected to any network.
2. The SD card slot is disabled. You may notice there is a TF card slot/microSD card slot, but it doesn't have any function.
3. It is recommended to install the outdoor unit 303m and the indoor unit LCD 301GY together for a better experience.

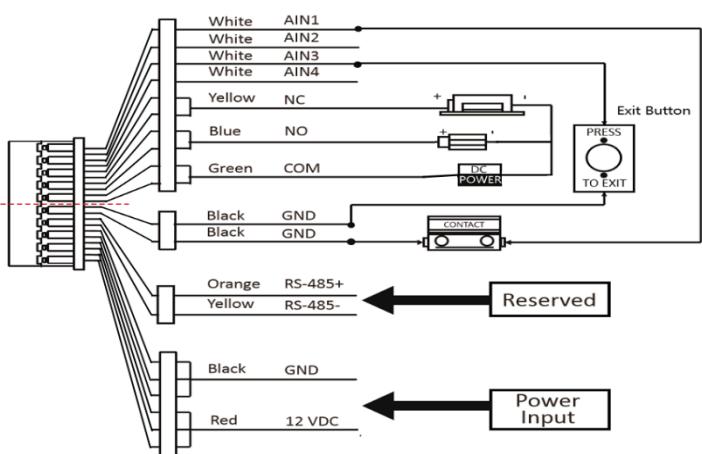
**Note:** At the end of this document has some wire diagram example.

**Hardware Description:** (Boot up Time: ~25sec WIFI Prompt (if programmed), 30sec, Tamper Prompt (if open) . 1min (READY))



1 Microphone	6 Loudspeaker
2 Camera	7 Terminals
3 Indicator Unlock (Green; unlock)	8 Debugging Port (no use)
4 Button (White Color; show at night)	9 TAMPER Sensor
5 Card Reading Area	10 Set Screw

Terminal Wire Diagram:



## Concept

303m-Wifi is not defined as a doorbell device. It is defined as an intercom device. the reason is simple. Traditional doorbells are trying to replace traditional doorbell push button devices. Usually, it requires AC19V and needs to be connected to the original chime device. However, if you don't have any of this issue, just install as a fresh device. Then you don't need to worry.

We recommend you to set-up

1x outdoor intercom 303m-Wifi and  
1 x Indoor LCD Station D301GY-WIFI Device.

The reason is simple, the communication between mobile APP and PC is more convenient and easier.  
Especially if you have 2 outdoor station situations.

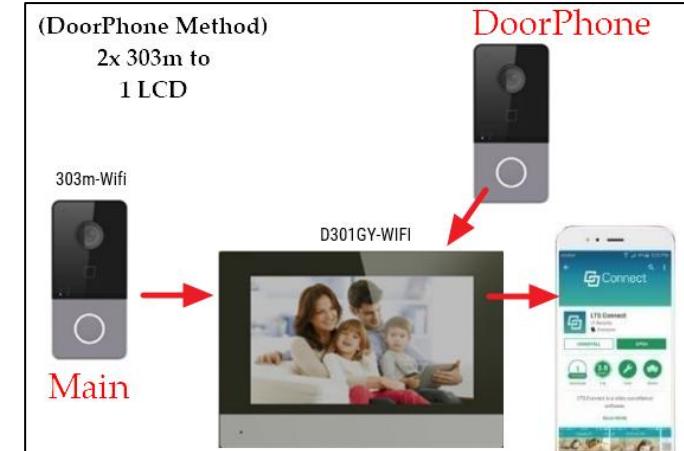
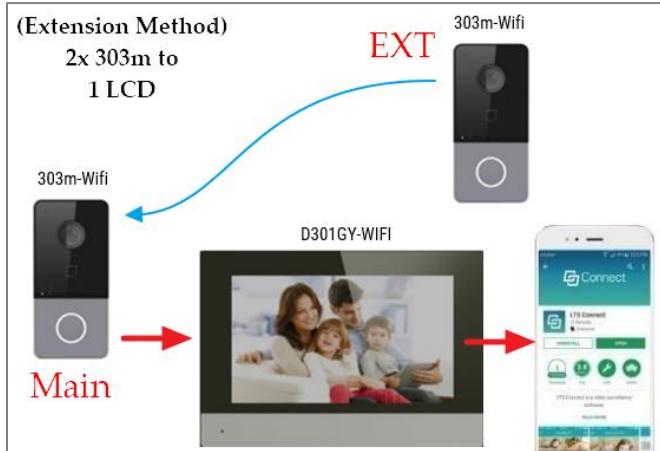
About how to setup, I will explain in detail in a few pages. Note that if you also want to connect the mobile app. Please scan the QR code from the LCD indoor unit. Not from the outdoor station itself.

In this Concept section, I will focus on the 2 Outdoor device and 1 LCD Indoor device as example.

## Outdoor Extension Method and DoorPhone Method

I only telling you what the difference is in between. You decide which method is better for your situation.

Traditionally, 1x the Outdoor (Main) and Outdoor (Extension)  
All the extension (up to 8) will connect to the Main Outdoor first  
and calling the LCD Indoor Station after.



(Jimmy's Suggestion) So yes. You may have noticed the difference.

And, you probably notice there is a minor issue with the extension methods. If the master device is going down, the entire connection will be corrupted. But the DoorPhone method will continue to work even the master is down.

However, the DoorPhone method is only applicable to the case of 2 Outdoor stations. (Most installers will only use 2 outdoors)

But if you have more than 2 outdoor stations or more than 1 LCD indoor station.

I'd probably still recommend that you use traditional extension methods.

Regarding setup/pairing, I'll explain it in the next few pages. (see Page 7,8)

Now, let's go back to the basics first.

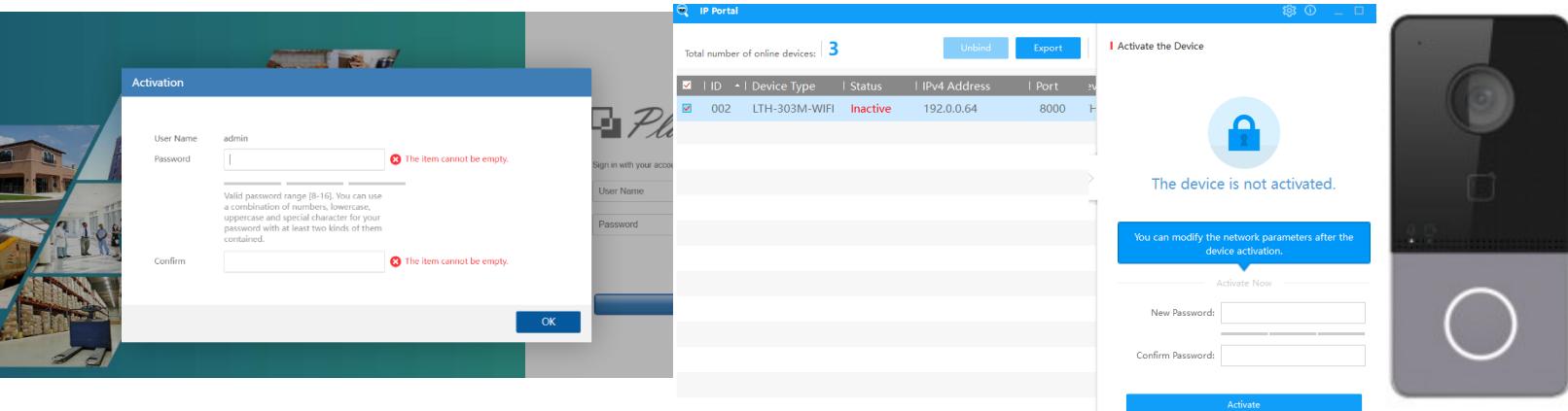
303m-Wifi

D301GY-WIFI



## Activation is Required:

LTH-303m-WIFI requires WEB / IP Portal / NVMSv3 to activate and create the password first.



The default IP address is 192.0.0.64

1. Create admin Password & Activate.
2. Change the device IP address to connect the Internet.

## Mobile App: LTS Connect

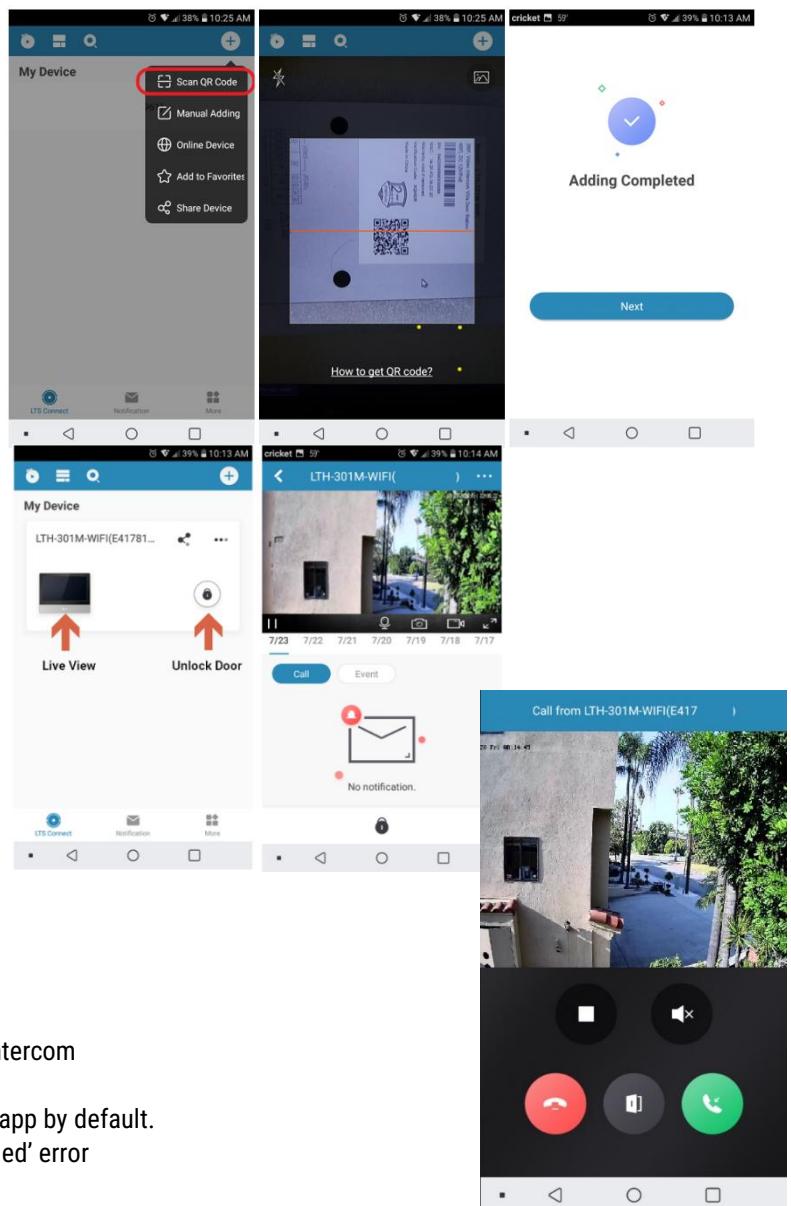
Once you are connected to the internet, you can use the Mobile app to connect and call. To use the LTS Connect App, you need to finish the following first. However, if you have the LCD Indoor Station, please see Page 5. Scan the QR code from the LCD screen instead.

1. Connect the Intercom Device to the Internet
2. Download LTS Connect and Register an account by using Phone# or Email. Get the Confirmation code from Text / Email, create LTS Account Login Password.
3. Add the QR code to this account.

The QR code is located on the back of your device. A Verification Code is also printed there.

After you connect the intercom successfully, you can watch the Live View stream. The Microphone icon below the video stream allows you to talk 2-way with the camera without being on the call.

Use the Snapshot / Record icon to save footage onto your mobile device.



## Calling Mobile App - Press the Call

button

After setting up the Mobile App and connecting the intercom correctly, when you press the Call button, it will call the mobile app by default. If the intercom is not setup, you will get a 'Calling Failed' error message.

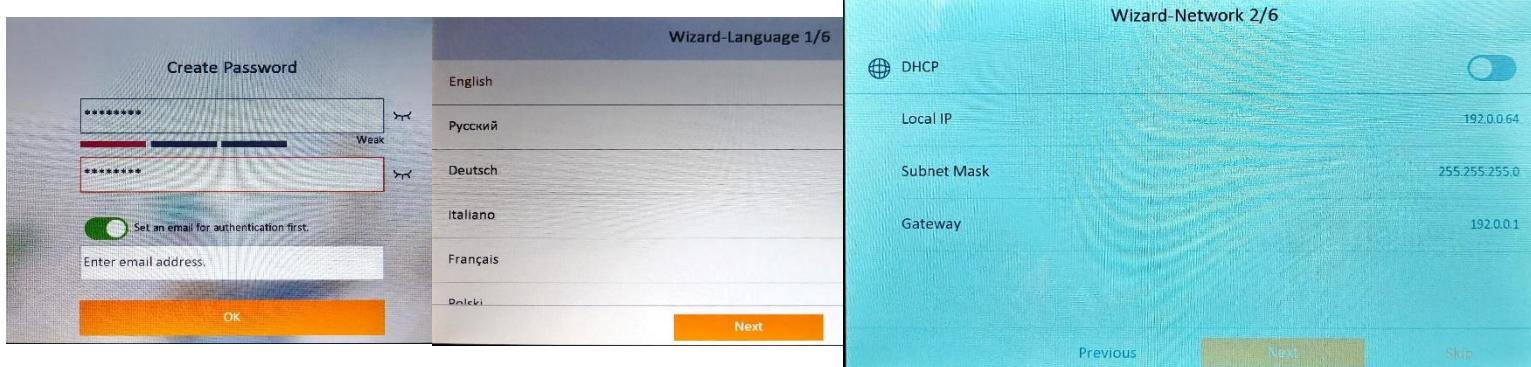


# LCD Indoor Station D301GY – First Time Setup

If you have the LCD Indoor Station D301GY to setup 303m, the setup should be very simple. Please Power on the LCD indoor station first (PoE or DC12V).

When it is the first time setup the LCD indoor station, the Start Up Wizard will help you work thru the process. Let's create the Activation Password first. Then, select the Language.

After that, it is the LCD display network IP address setting. Make sure it is not conflict with any other devices.



After setup the Network IP Address. It goes to the Wizard 3/6. In this 3/6 setting, you need to create the **Registration Password**.

This password will use for Linking in between each Outdoor Stations and Indoor Stations.

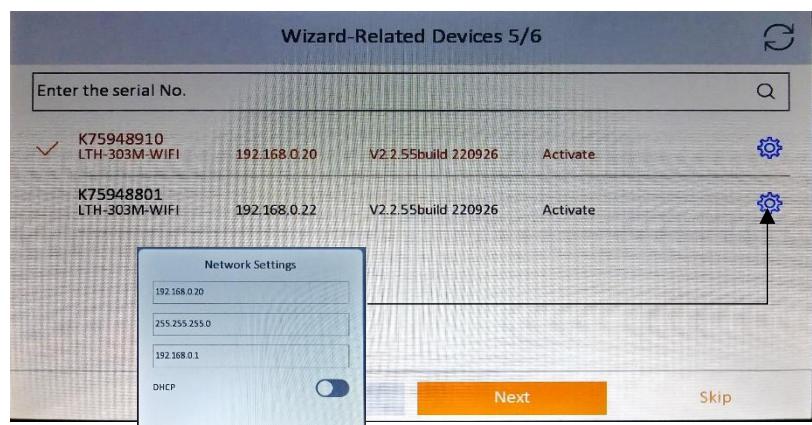
Next is the 4/6 setting. This is the PTCLOUD setting. If you want to link the mobile app, please make sure turn ON and setup the verification code. Next to 5/6

Recommend start with default setting of the outdoor station 192.0.0.64. Use the Gear icon to activate and modify the IP address.

(Reason) If you are starting with the previous active outdoor station, you may not know the outdoor is already linked with different address or other issue. So, recommend start with the default setting is wise decision.

**Not:** If you have more than 1x Outdoor Station, must use Windows PC NVMSv3 to program the 2nd outdoor station. LCD station only can connect 1 to 1 connection.

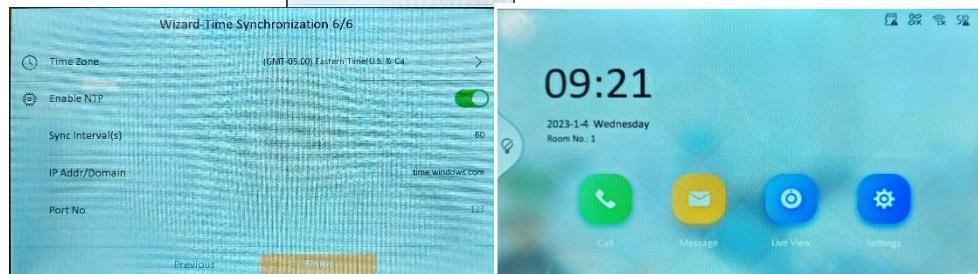
Make sure there is a Check mark at the beginning as selected if there is more than one outdoor device.



Final, make sure the Time is correct, then after waiting for 20sec. Then, it is completed.

**Congratulation,**  
You should be able to use it Now.

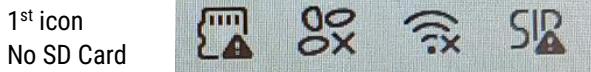
**LCD Indoor Station D301GY – Status**



LCD Status can help you troubleshooting makes easier.

 <b>Normal</b> SIP is not connected. So, no need to worry about this. That is Normal Symbol. The reason is the LCD Indoor station device is also capable to connect to the VoIP service. LTS do not provide 3 <sup>rd</sup> party VoIP service.	 <b>Authentication Fail</b> If you see this message, I recommend you default the LCD and setup again thru the LCD panel. Or use NVMSv3 check the Main Device Management linking section. See Page8 for the trouble shoot.	 <b>IP Conflict or Network issue</b> Usually, IP Conflict will get able to view the Outdoor but not able Ring from the Outdoor situation. Another symbol (X). Mostly, there is a network cable issue or can't get the network signal.
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Other Status Message:



Here is a SD card slot under the LCD screen. The SD card is only supporting the Snapshot feature.  
 Not for the video recording.

2<sup>nd</sup> icon – Cloud is not connected.  
 Either you didn't enable the PTCloud or the LCD station is not able to reach to the internet.

3<sup>rd</sup> icon – Wifi connection  
 LCD Station is connected to Wifi or not. Currently, it only supports 2.4Ghz Wifi network connections.

4<sup>th</sup> icon – see Above describe.



**Call** This LCD indoor station is not only designed for the 303m devices. You can use this Call button to contact another LCD indoor station (Intercom) and calling each-others.

**Message** The message function will show previous missing call or other messages

**Live View** You can use this function to monitor the Outdoor Station without anyone pressing the call button.  
 You also can connect to the regular IP camera (support ONVIF; but needs NVMSv3 to program it. Not support video recording)

**Settings** the LCD Indoor Station Basic Settings.

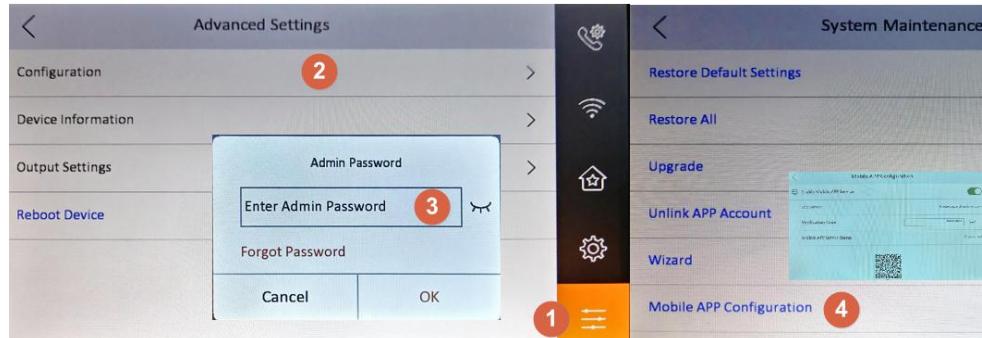
**IMPORTANT – IF YOU WANT BIND THE QR to MOBILE APP, PLEASE ADD THE 1<sup>st</sup> LCD SCREEN QR CODE, NOT THE OUTDOOR STATION QR**

## Where is the LCD Mobile App QR Code?

Main Menu > Settings (Gear Icon) >

**Advanced Settings (Orange color)** (Look Right picture)

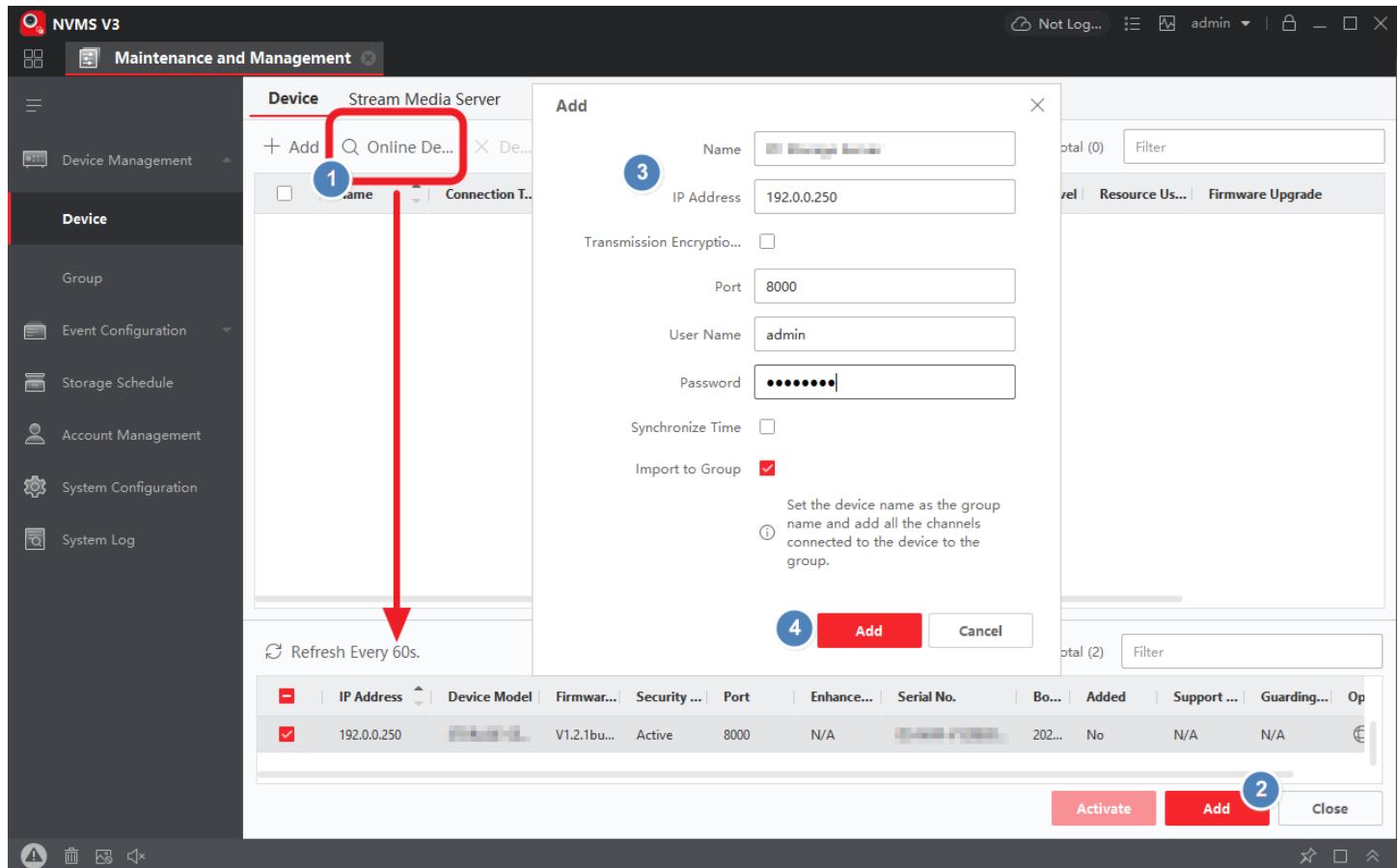
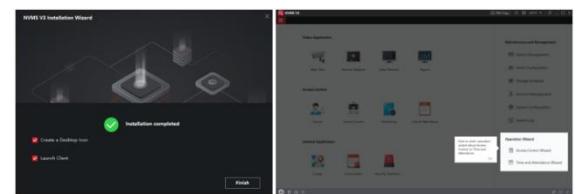
Tap **Configuration** > (Enter Admin Password) >  
**Mobile App Configuration.**



## Install NVMSv3 & Adding Outdoor station (303m) & Indoor station (D301GY)

After the **NVMSv3** is installed, run the software. Go to Device Management and click 'Online Device'. You should be able to see it from the local network section at the bottom of the page.

(NOTE: Set the IP address correctly for your network before adding it)



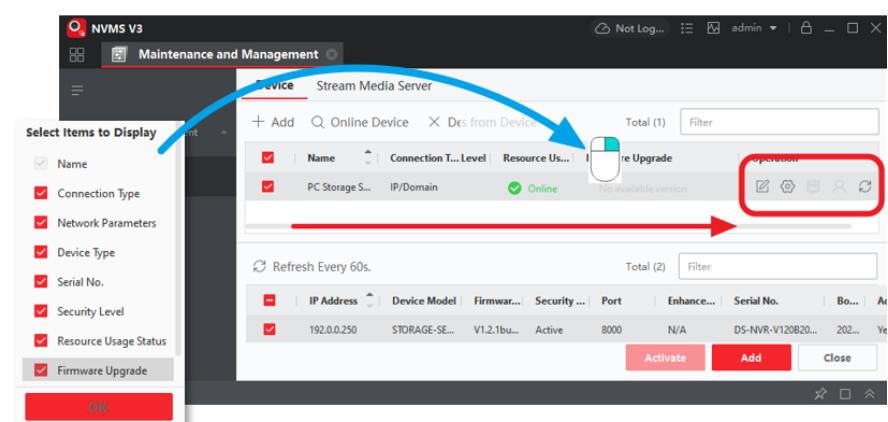
## Remote Configuration

Make sure the device is **Online**.

Scroll to the right on the Device line item and you should see the configuration (operation) section.

(NOTE: If your screen is small and you do not want to scroll to the right side every time to access the Config button, you could customize the column (right click the header) to reduce the display column length. ie: remove the 'Firmware Upgrade' column.)

Click the Configure button.



# Pairing 101- Outdoor to Indoor with NVMSv3

## Adding Outdoor Station into Indoor Station without using the LCD Indoor station.

If you have the LCD panel but not able to program it from the device itself. Then, this section should be important to you.

I separate A B section in here. Make sure indoor/outdoor device are the default setting.

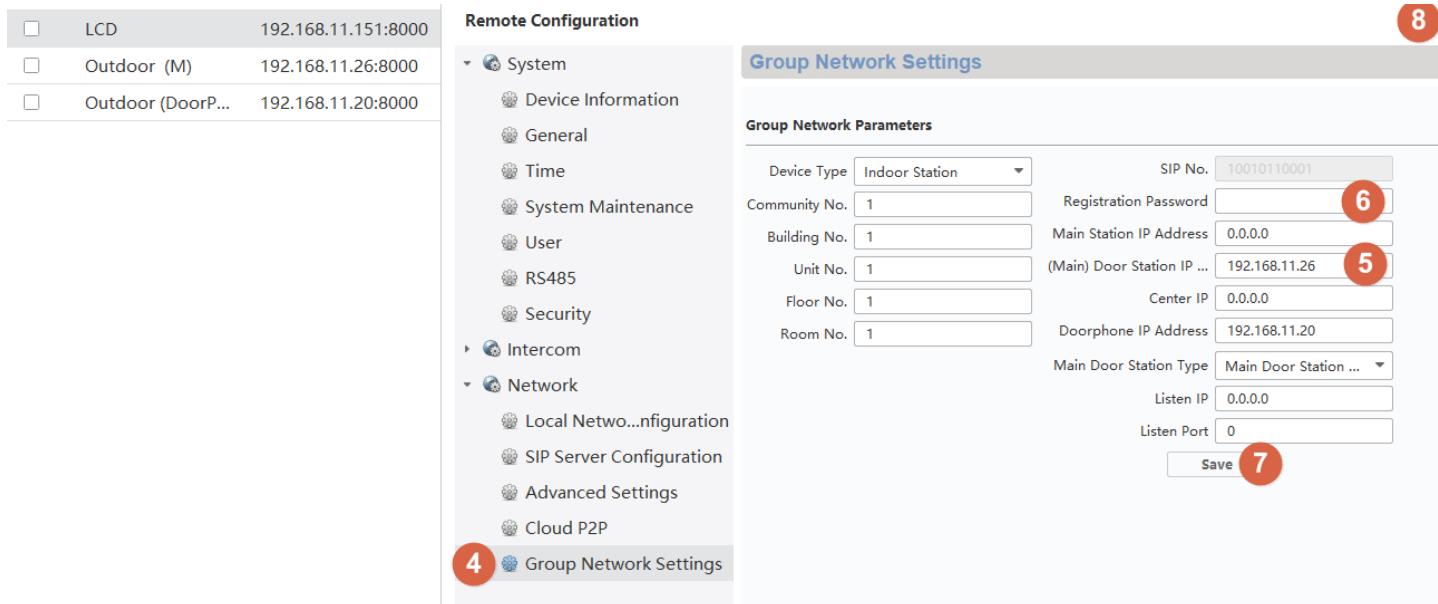
If you already have any device is not default, check B section for the trouble shooting.

Example: IP Address define as below

LCD indoor station	192.168.11.151
Outdoor Station (M)	192.168.11.26

### A Section (LCD) (Both Indoor/Outdoor Station are default setting. IP address is already setup)

1. Let's program the LCD device first.



Remote Configuration

- System
  - Device Information
  - General
  - Time
  - System Maintenance
  - User
  - RS485
  - Security
- Intercom
- Network
  - Local Network Configuration
  - SIP Server Configuration
  - Advanced Settings
  - Cloud P2P
- Group Network Settings

Group Network Parameters

Device Type	Indoor Station	SIP No.	10010110001
Community No.	1	Registration Password	6
Building No.	1	Main Station IP Address	0.0.0.0
Unit No.	1	(Main) Door Station IP ...	192.168.11.26
Floor No.	1	Center IP	0.0.0.0
Room No.	1	Doorphone IP Address	192.168.11.20
		Main Door Station Type	Main Door Station ...
		Listen IP	0.0.0.0
		Listen Port	0

Save 7

2. Go to the LCD Remote Configuration
3. Then, you should see above picture **Remote Configuration Panel** as example.
4. Go to Network > Group Network Settings. (Note: if you see it in differently, please check you are using the NVMSv3, or it is the latest firmware first)
5. Enter the Outdoor Station IP address. Example: 192.168.11.26
6. Create a Registration Password. If you have no idea, example: abcd1234
7. Save it
8. Then, Close the Panel.

### Then, it should be working for now.

However, if not work, **Reboot ALL(Indoor&Outdoor)** the device try first.

Otherwise, see the B Section

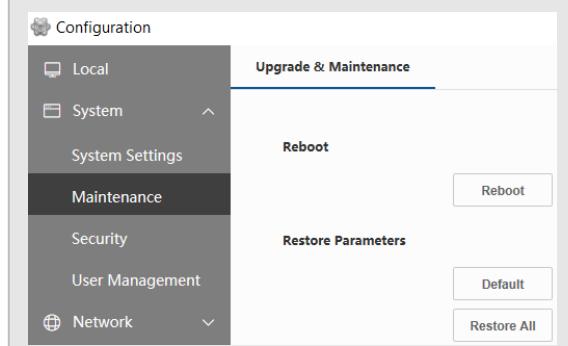
Please check the LCD Status

More detail, see Page 5



### How to Factory Default the unit?

For all Access Control / Intercom device, use Maintenance > **Restore all = Factory Default**



Configuration

- Local
- System
- System Settings
- Maintenance
- Security
- User Management
- Network

Upgrade & Maintenance

Reboot

Restore Parameters

Default

Restore All

# Pairing 101- Outdoor to Indoor with NVMSv3

Adding Outdoor Station into Indoor Station without using the LCD Indoor station.

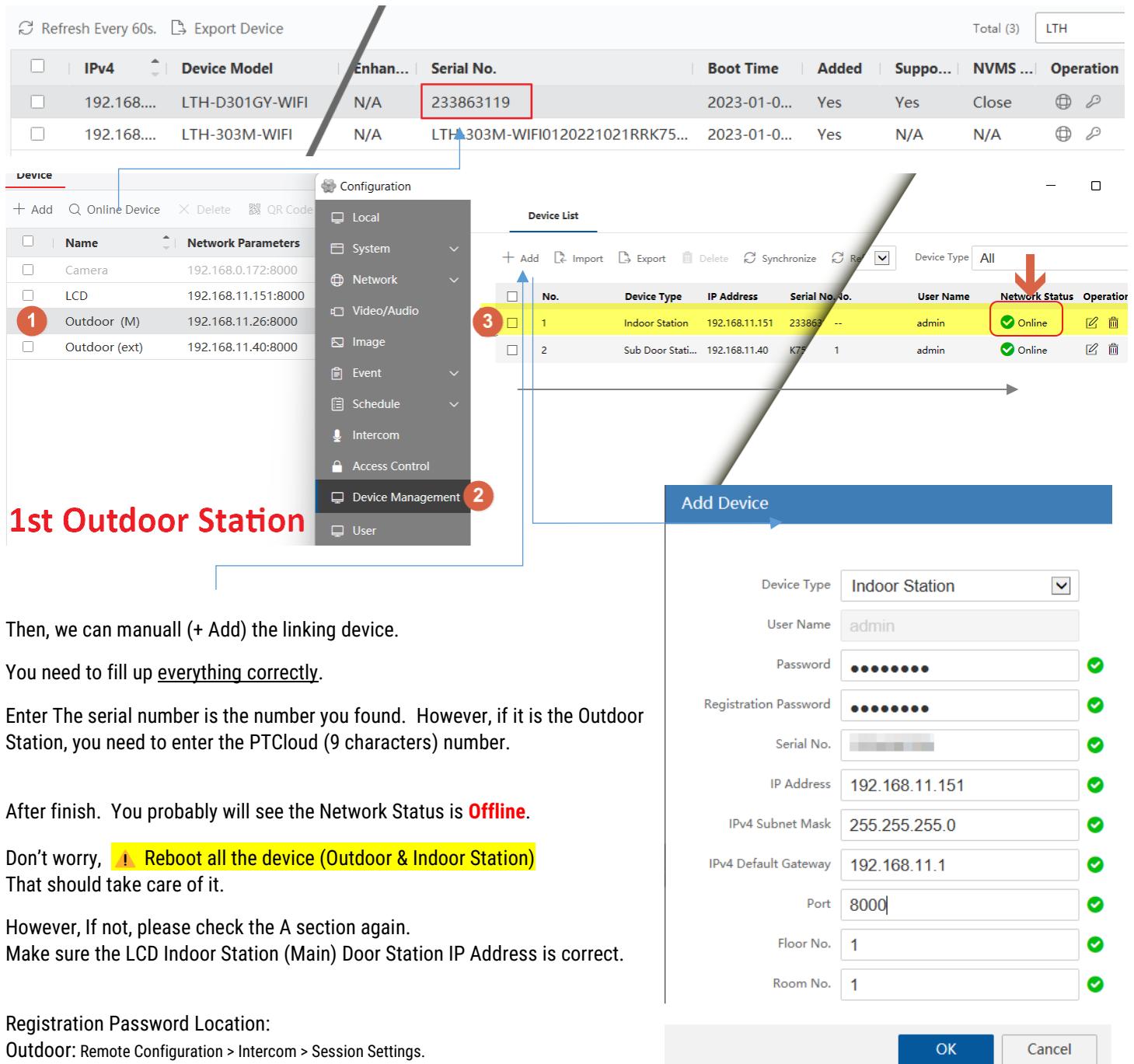
## B Section (Link from the Outdoor Station)

Usually, when you finish the Section A method, then it should be automatically creating the linking as right (yellow section).

The reason if not work because you need to make sure the outdoor is success connected it (**Online**).

If you don't see the (Yellow Section) Linking section, you need to manually add it.

But before adding it, please find out the LCD Indoor Station Serial Number. (**You need it**)



The screenshot shows the NVMSv3 software interface with three main windows:

- Device List:** Shows a list of devices with columns: No., Device Type, IP Address, Serial No., User Name, and Network Status. The first device (No. 1) is highlighted in yellow and has a green checkmark in the Network Status column, indicating it is online. A red arrow points to this checkmark.
- Device Management:** A sidebar menu with options like Local, System, Network, Video/Audio, Image, Event, Schedule, Intercom, Access Control, Device Management (selected), and User. A red circle with the number 1 is on the 'Outdoor (M)' entry, and a red circle with the number 2 is on the 'Device Management' option.
- Add Device:** A configuration dialog for adding a new device. It includes fields for Device Type (set to Indoor Station), User Name (admin), Password, Registration Password, Serial No. (redacted), IP Address (192.168.11.151), IPv4 Subnet Mask (255.255.255.0), IPv4 Default Gateway (192.168.11.1), Port (8000), Floor No. (1), and Room No. (1). All fields have green checkmarks indicating they are valid. A blue arrow points from the 'Device Management' sidebar to this dialog.

**1st Outdoor Station** (highlighted in red)

Then, we can manuall (+ Add) the linking device.

You need to fill up everything correctly.

Enter The serial number is the number you found. However, if it is the Outdoor Station, you need to enter the PTCloud (9 characters) number.

After finish. You probably will see the Network Status is **Offline**.

Don't worry, **⚠ Reboot all the device (Outdoor & Indoor Station)**  
That should take care of it.

However, If not, please check the A section again.  
Make sure the LCD Indoor Station (Main) Door Station IP Address is correct.

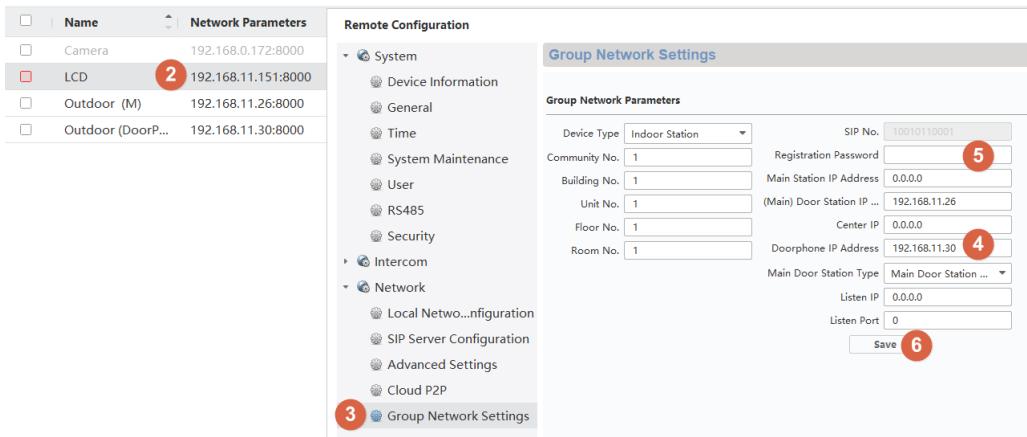
Registration Password Location:  
Outdoor: Remote Configuration > Intercom > Session Settings.  
Indoor (LCD): Remote Config. > Network > SIP Server Config.

## Pairing 201 – (DoorPhone) 2 Outdoor Station to Indoor with NVMSv3

I believe you already success connected the 1x Outdoor Station with the 1x LCD Indoor station.  
Now, let's try connecting 2x Outdoor Station into 1x LCD indoor station. (See Page 2 - Concept)

## DoorPhone Method

1. Make sure the 2<sup>nd</sup> Outdoor Station is activated and IP address set correctly. But make sure everything as default (no setting changes)
2. Go to LCD Indoor Station. Remote Configuration
3. Network > Group Network Settings
4. Enter 2<sup>nd</sup> Outdoor Station IP address
5. Create Registration Password. If you have no idea about this, try abcd1234
6. Save it and Close the Panel.



Remote Configuration

Group Network Settings

Group Network Parameters

Device Type: Indoor Station SIP No.: 10010110001  
Registration Password: 5

Community No.: 1 Main Station IP Address: 0.0.0.0  
Building No.: 1 (Main) Door Station IP ... 192.168.11.26  
Unit No.: 1 Center IP: 0.0.0.0  
Floor No.: 1 Doorphone IP Address: 192.168.11.30 4  
Room No.: 1 Main Door Station Type: Main Door Station ...  
Listen IP: 0.0.0.0 Listen Port: 0

Save 6

⚠ Reboot all the device (Outdoor & Indoor Station) (Bootup time 1mins+)

Then, it should be Done.

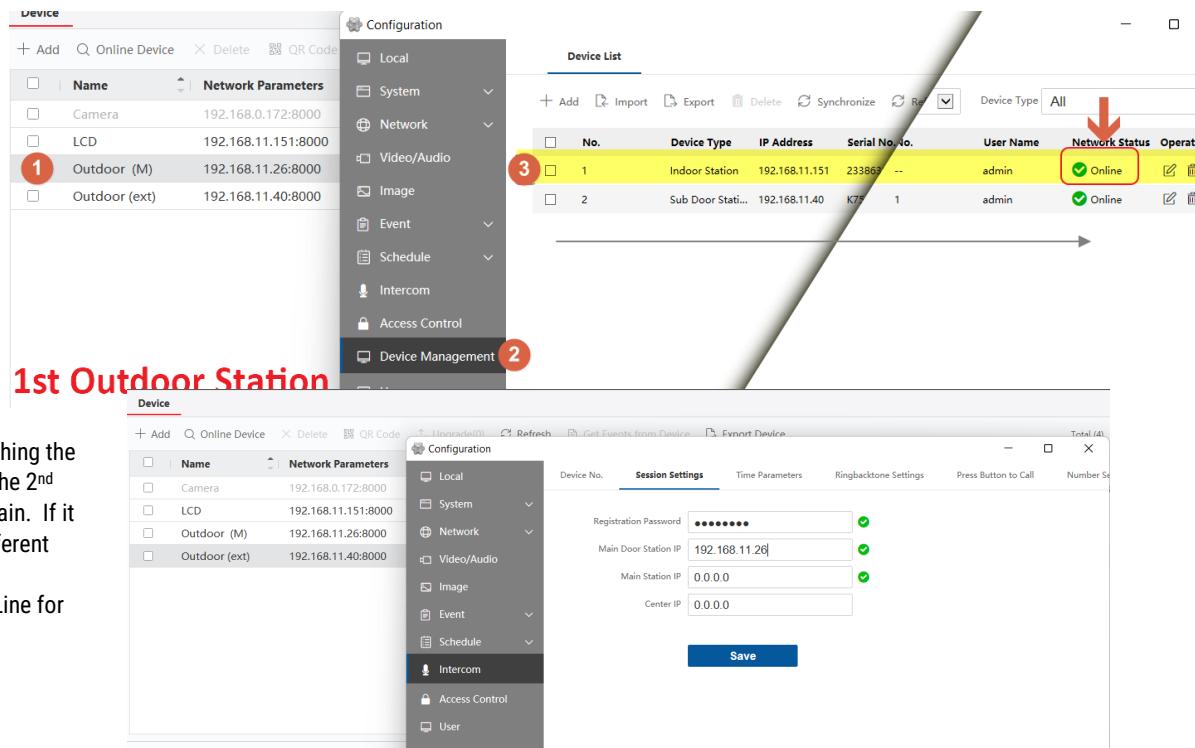
### Trouble shooting Reference:

The LCD config panel will automatically switching 2<sup>nd</sup> Outdoor Station from the Villa Door Station to the DoorPhone mode after Saving. At the meantime, add it into the 1<sup>st</sup> Outdoor Station Device Management list (see below picture).

You do not need programming the 2<sup>nd</sup> Outdoor Station. If you did program before adding, please default it before trying this method. In the 1<sup>st</sup> Outdoor Station Device Management, please check the Online Status.

To make sure the 1<sup>st</sup> Outdoor station Connection Status is Online after the Reboot.

If it is not online, try **reboot first (all of them)**. Make sure wait at least 1mins. Even there is a beep or prompt already. You still need to wait for 30sec after then try.



Device

Configuration

Device List

Device Management 2

1st Outdoor Station

Device

Configuration

Session Settings

Device No.: 1 Registration Password: 3  
Main Door Station IP: 192.168.11.26  
Main Station IP: 0.0.0.0  
Center IP: 0.0.0.0

Save

If it still doesn't work, make sure 2<sup>nd</sup> Outdoor Station Registration

Password and IP address are matching the 1<sup>st</sup> Outdoor Station. Or try default the 2<sup>nd</sup> Outdoor Station try this method again. If it still not working, then you have different issue. (like firewall issue)

You may contact the LTS Support Line for more assist.

Suggest checking the LCD Status.  
(see Page 5)

## Pairing 201- (Extended Mode) 2 Outdoor to 1 Indoor LCD

Outdoor Station Extension is the traditional method. You probably need to use this method if you have more than 2 Outdoor/Indoor Station devices. To use this method. You need to program the 2<sup>nd</sup> Outdoor Station first. (see page 2 Concept)

## Villa Door Station Extension Method

Go to the Remote Configuration > Intercom > Device No.      Change **Door Station No** (from 0 main) to 1. After Save, it will require reboot the device.

After reboot, you need change the setting again. 2<sup>nd</sup> Outdoor Station (Remote Configuration) > Intercom > Session Settings

2<sup>nd</sup> Outdoor Station. (see right pic)

Enter the 1<sup>st</sup> Outdoor Station

Registration Password and the Main Door Station IP address.

Save and close the panel

Then, open the 1<sup>st</sup> Outdoor Station

Panel. Remote Configuration >

Device Management

**Most time, the 2<sup>nd</sup> outdoor station will not automatically add it. You need to add it manually**

and fill up everything and make sure it is there and Online

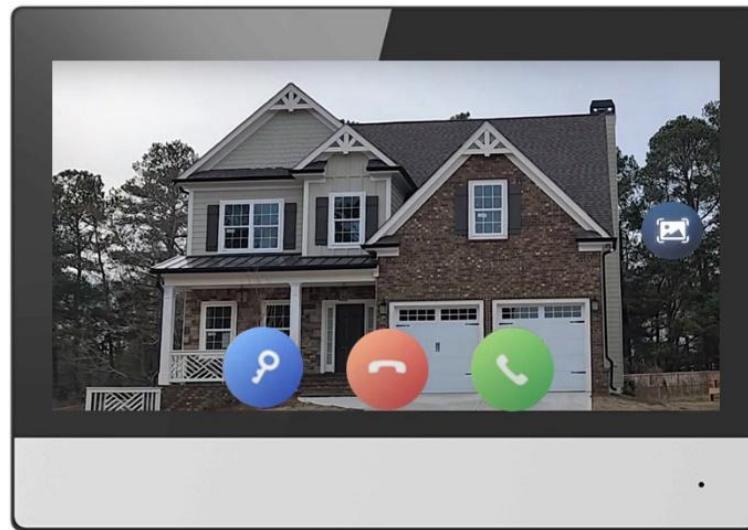
If it is not Online, you need to Reboot all the device and check again. (Remember bootup time 1mins even you heard some prompt already)

If there is any one device temporarily offline, then it will not show online. You must make sure every setting is correct, then it will be online.

## Calling / Answering

When you answer from the LCD indoor station, you will see there are three buttons.

Green to answer, Red to reject and Blue to unlock.

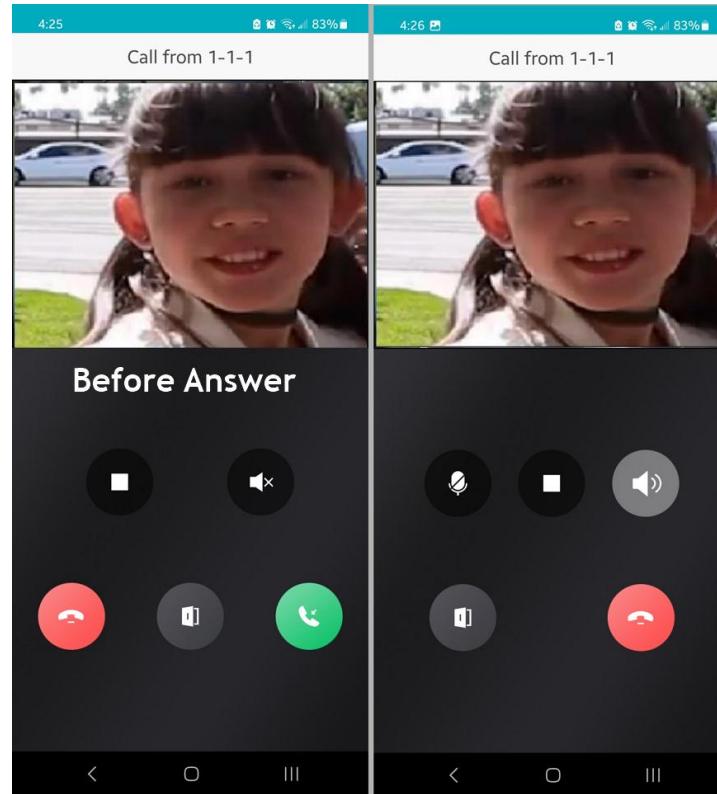


You can use the Picture icon on the Right Center to take a Snapshot.

The snapshot will be saved into the SD card if you have one.

## Mobile App / Answering / Unlock

When you answer from the Mobile App. This is the Screenshot looks like.



**Call from the LCD Indoor Station TO NVMSv3**

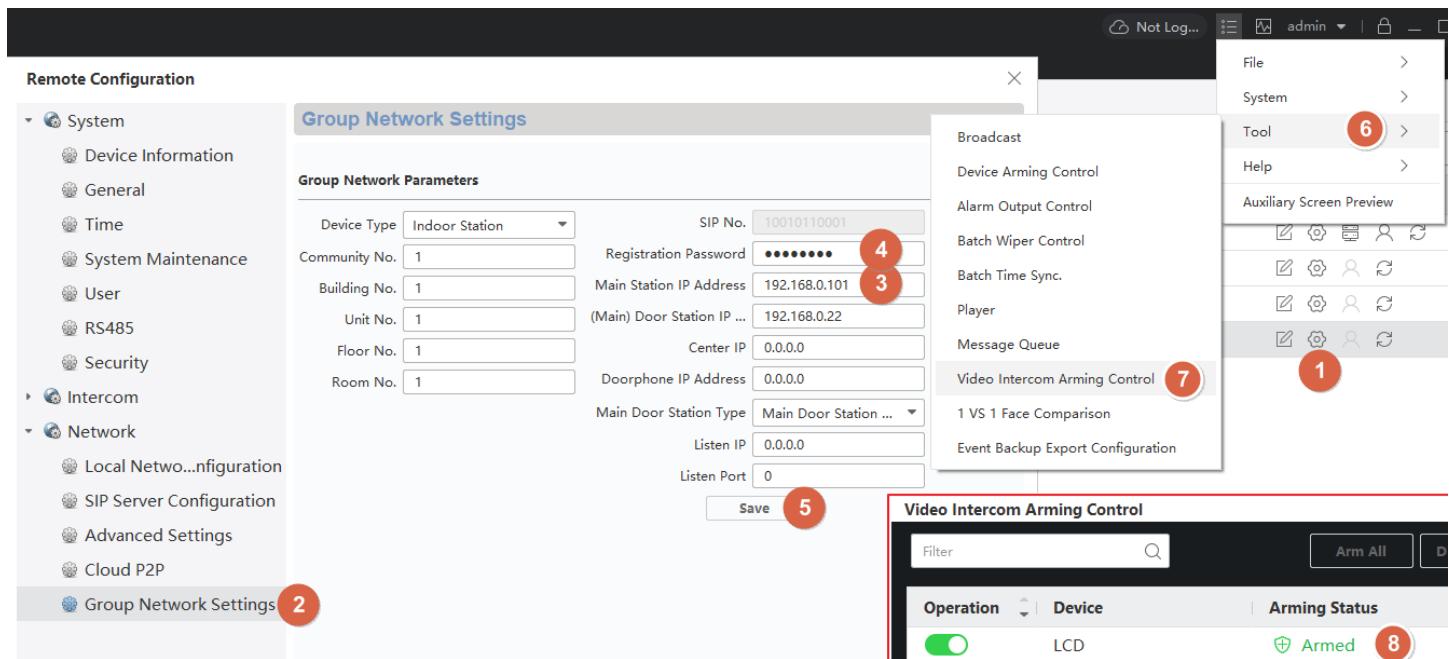
**Turn On Call Management Center button**

LCD > Settings >  > Shortcut Settings > Call Management Center

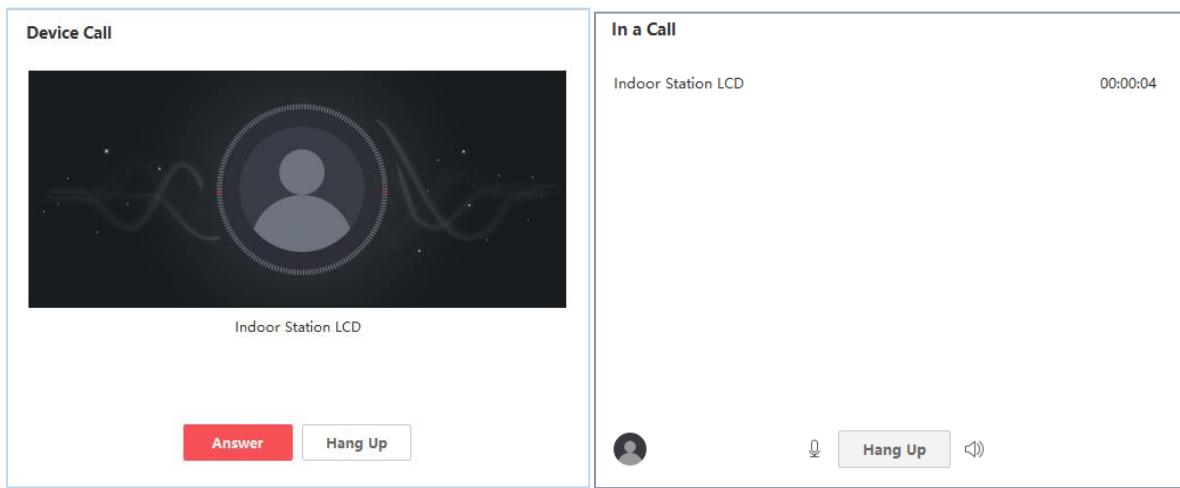


## NVMSv3 Device Management

1. Go to LCD Indoor Station **Remote Configuration**
2. **Group Network Settings**
3. Enter the (NVMSv3) Main Station IP Address
4. enter the Registration Password
5. Save and Close the Panel
6. Go to **Menu** on the top > **Tool** > **Video Intercom Arming Control**



The screenshot shows the NVMSv3 Device Management interface. On the left, the navigation tree includes System, Intercom, Network, and Group Network Settings (highlighted with a red circle labeled 2). The main window displays the 'Group Network Settings' configuration page. The 'Group Network Parameters' section contains fields for SIP No. (10010110001), Registration Password (redacted), Main Station IP Address (192.168.0.101), and other network details. A 'Save' button is highlighted with a red circle labeled 5. The top right shows a menu with 'Tool' (highlighted with a red circle labeled 6) selected, leading to 'Video Intercom Arming Control' (highlighted with a red circle labeled 7). The 'Video Intercom Arming Control' window shows an 'Armed' status (highlighted with a red circle labeled 8).



The screenshot shows the 'Device Call' interface. It displays a video feed from an 'Indoor Station LCD' showing a person's silhouette. Below the video are 'Answer' and 'Hang Up' buttons. To the right, a 'In a Call' window shows the 'Indoor Station LCD' and a timestamp of '00:00:04'. At the bottom, there is a 'Hang Up' button. A note at the bottom states: '(Remember: LCD Indoor Station doesn't have Camera)'.

## Call from Outdoor Station to NVMSv3

We rarely use this method, but just in case some customers want to do this way if you don't have the LCD indoor station.

Remember, we always recommend the LCD indoor station is more convenient.

To use this method, you must turn on Windows PC with NVMSv3 all the time.



The Outdoor Station Press button is pointing to the LCD indoor station by default. Therefore, you need to redirect the button press to the NVMSv3 (Center)

### 1. Go to NVMSv3 Device Management

Pick Outdoor Station >

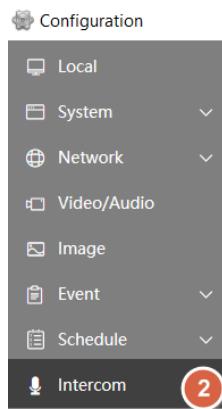
#### Remote Configuration

### 2. Select Intercom

### 3. Press Button to Call

### 4. Change Schedule to **TemplatePlan1**

### 5. Save



Press Button to Call		Link Time Schedule
No.	Button Settings	
01	1	Enable Indoor Station All Day by Default TemplatePlan1

**Save** (marked with a red circle 5)

Now, we need to change the Schedule

Setting

### But first maximize the panel

### 1. Maximize the Panel

Otherwise, you can't see the (8) Save button.

### 2. Schedule > Video Intercom

### 3. Select TemplatePlan1

### 4. Tap the **Center** icon

### 5. Draw the Time Bar (make sure its orange color) you may tap in the middle of the time bar to setup precise time.

### 6. Use **Copy** icon to apply all weekdays.

### 7. Scroll Down.

Otherwise, you  
won't be able to see  
the Save button

### 8. Save

Now Try it.

1. Maximize the panel (marked with a red circle 1)

2. Select **Video Intercom** (marked with a red circle 2)

3. Select **TemplatePlan1** (marked with a red circle 3)

4. Tap the **Center** icon (marked with a red circle 4)

5. Draw the Time Bar (marked with a red circle 5)

6. Tap the **Copy** icon (marked with a red circle 6)

7. Scroll down (marked with a red circle 7)

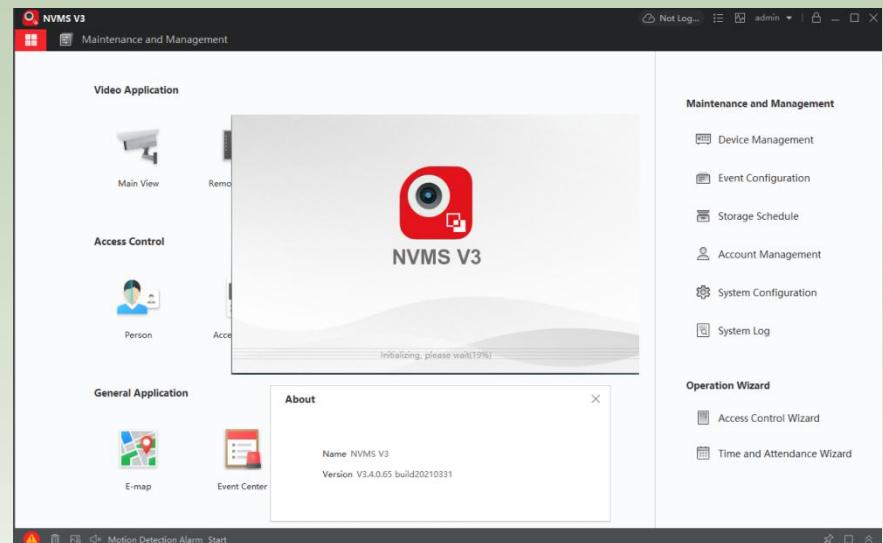
8. Tap the **Save** button (marked with a red circle 8)



# NVMSv3

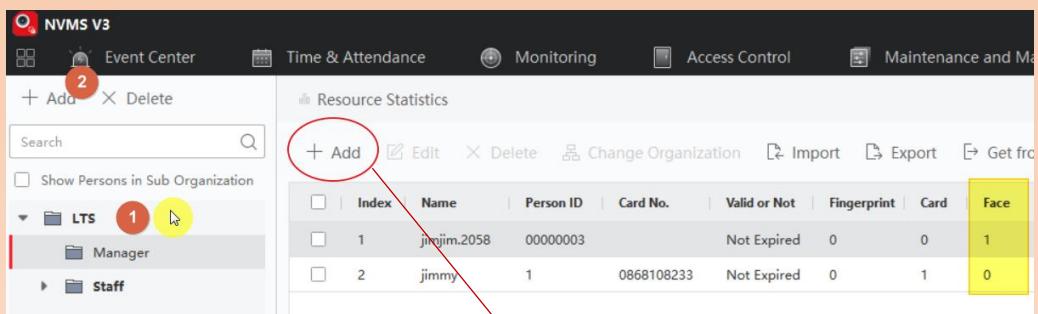
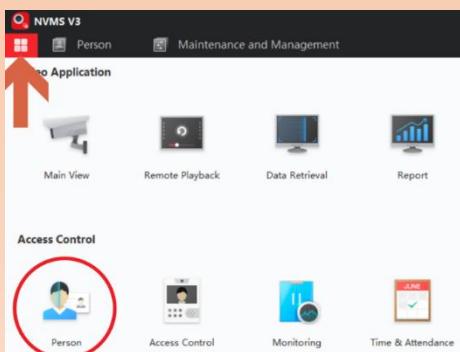
Access Control Client Software:  
**NVMSv3 (PC Only)**

**Version Min Req: NVMS V3(V3.8)**



# Add Card / Add Person (Structure)

Menu > Person



1. Please rename the Root structure to an appropriate name.

2. Click the root folder and click Add can create a department-level structure.

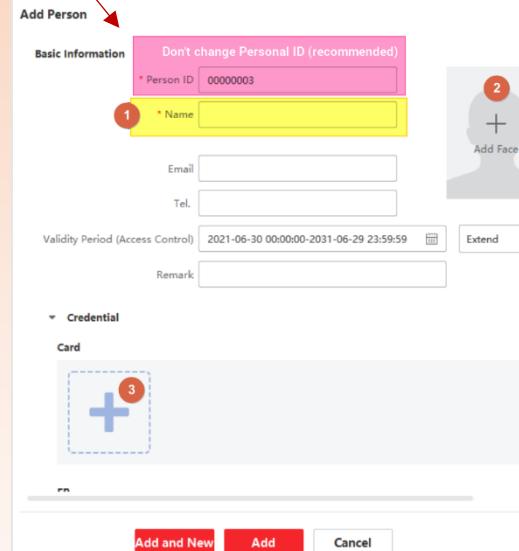
For Example: click on "LTS" > Add > give a department/group folder name "Manager".

*(Note) recommend only create 1 level group folder structure. Please don't create a group folder under another group folder.*

(Note) Create a clear understand structure.

If you only have less than 10 people in the database, then this may not really matter to you. But, if you have more people in there, then a clear structure that makes a lot of different the management easier in the future.

Especially, when you try to program whole group to a different permission. All you need to do is select the whole group folder and apply to it, rather than you pick each person one by one to assign different permission manually.



3. Click **+ Add** to set up your first person.

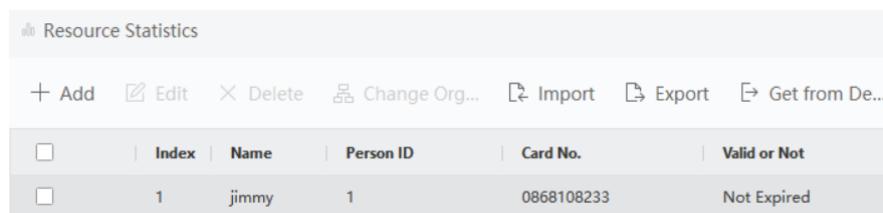
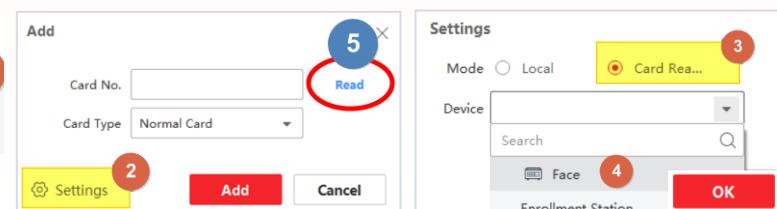
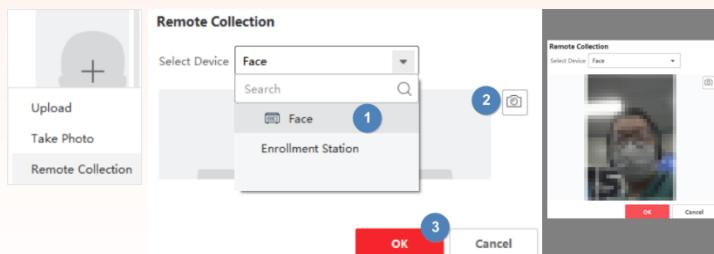
1. Add a person's name first.

2. Add Picture.

Click Head picture, you can upload a picture, take the photo from PC desktop camera, or capture from LTK3410MF device (Remote Collection).

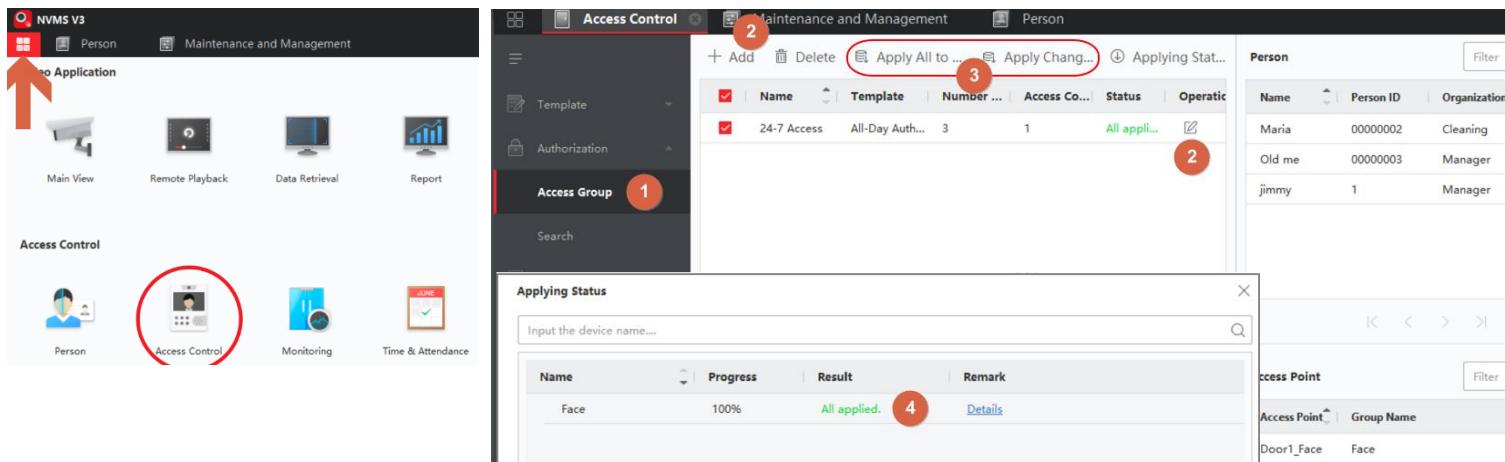
**Add Card.** Add the Mifare Tap Card or assign a card number become as the punch access number (number must be unique)

1. Click + to Add
2. Click Settings
3. Click Card Reader
4. Select Remote Device OK
5. Click Read and go to the device Tap the Card to scan it.

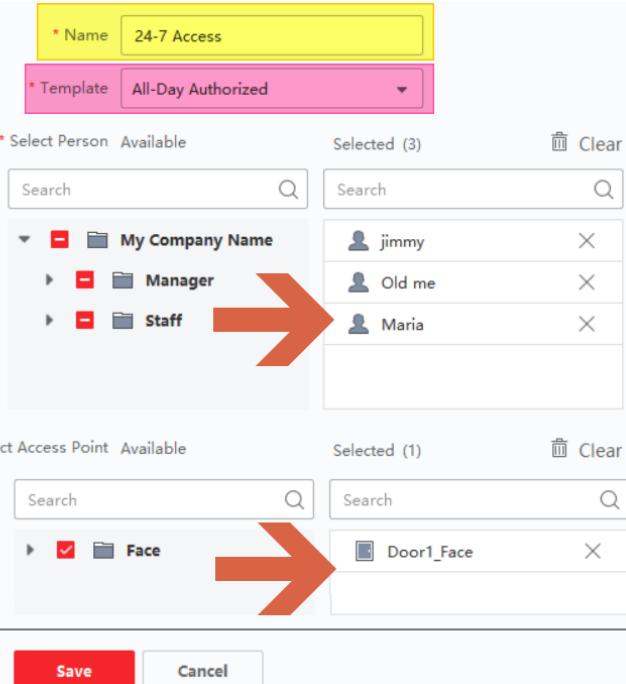


## Access Group (aka Permission)

You need to assign the person to the access group, to let the door allows you to open.



- i. After click Add (2), you should see the dialog box on the right.
- ii. Make sure to give an appropriate name. In Example, I named **24-7 Access**.
- iii. If it uses a different Time **Template**, please select the correct schedule. (You need to declare it in the Template section first. See next page)
- iv. Add Person to the Right side.  
OR you can select Group Folder to add all people at once.
- v. Add Access Point (Door) to the right-side panel.
- vi. Click **Save** when finished.



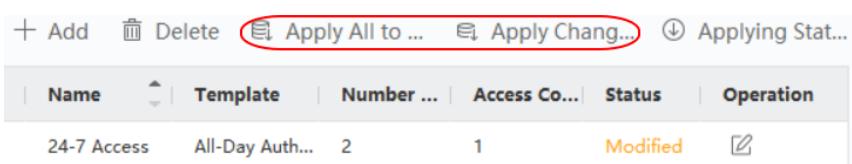
We are almost done with the Person/Permission Programming.

You need to click **Apply to the device**.

There are two different kinds of applications.

**Apply Changes** – Only apply the Change section to the device.

**Apply All to the device** – Apply all settings (aka Manual Override) to the device, even all the data has already existed and same.

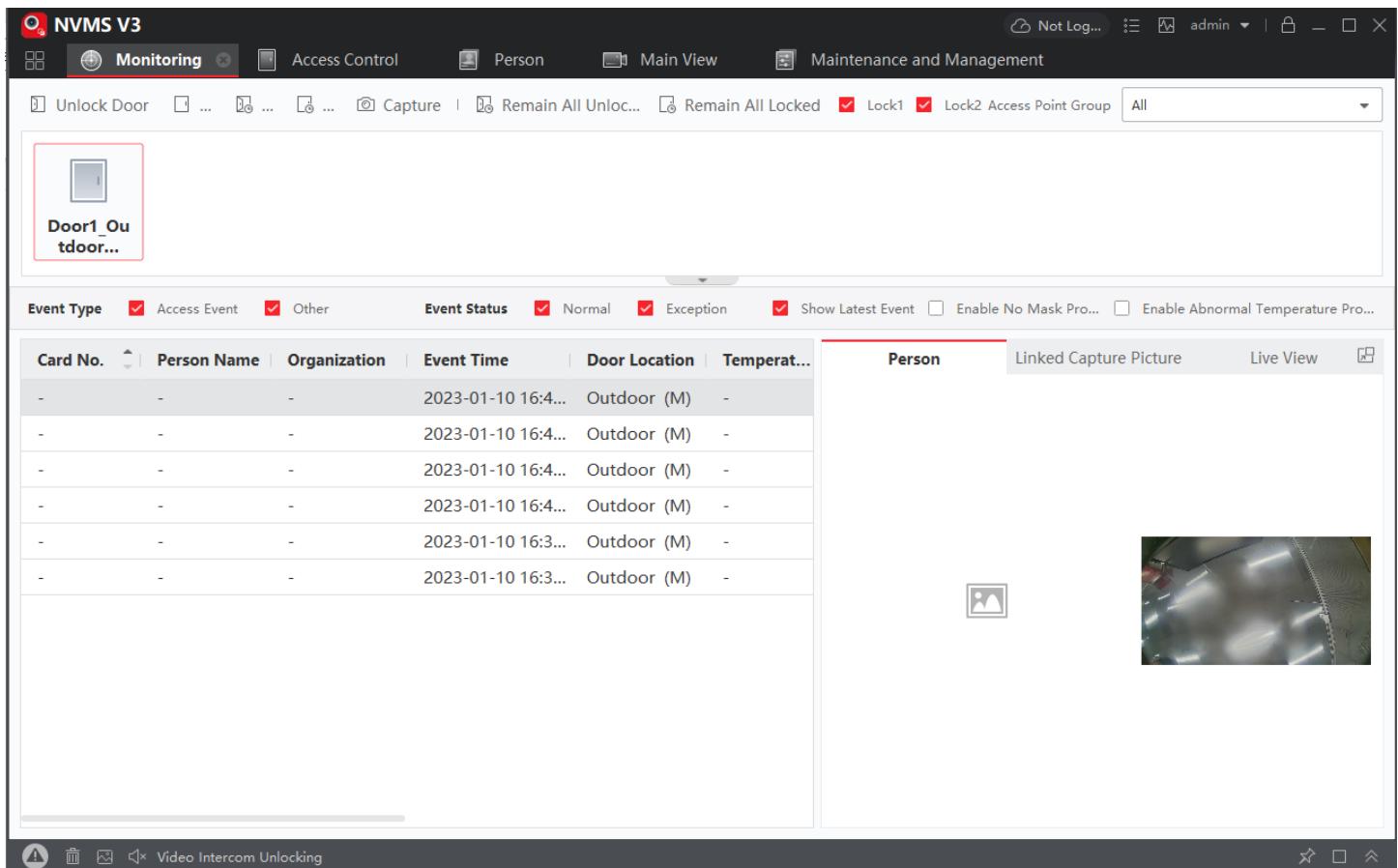


**Congratulation, now you can Test the result.** Use the Facial to access or use the keycard to unlock it.

## Monitoring – Open Door from the NVMSv3

You only can open the door for a moment. Can't do remain unlock.

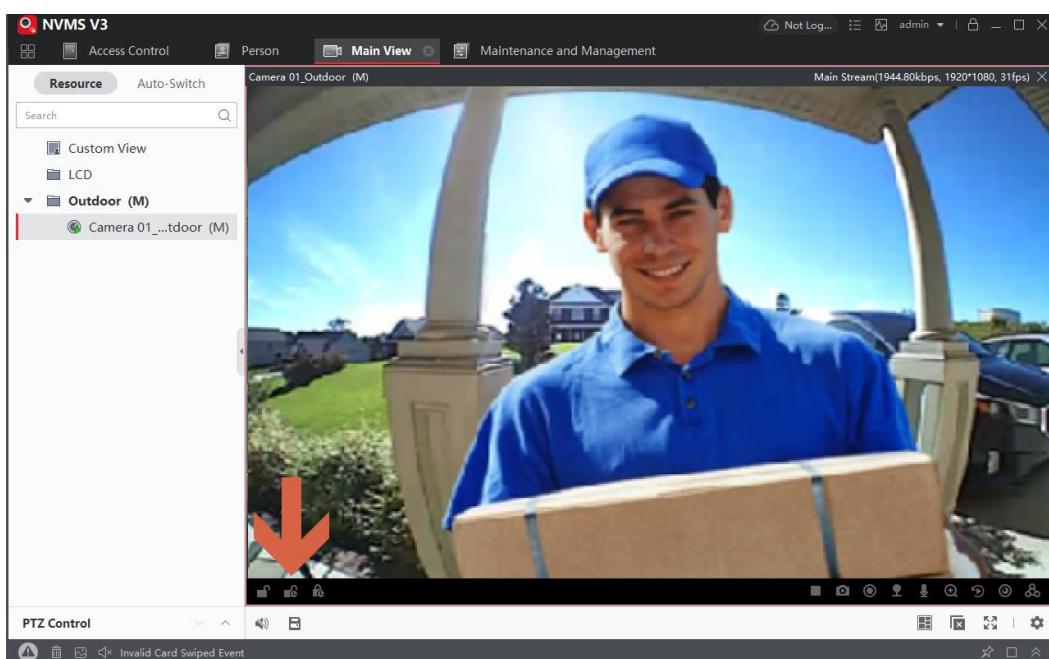
If you want to remain unlocked feature, please consider Door Access Controller 2802/2804 device.



The screenshot shows the NVMS V3 software interface. The top navigation bar includes tabs for Monitoring, Access Control, Person, Main View, and Maintenance and Management. The Monitoring tab is active. Below the tabs, there are several buttons: Unlock Door, ... (two), Capture, Remain All Unlocked, Remain All Locked, Lock1, Lock2, Access Point Group, and a dropdown menu set to All. The main content area is divided into two sections. On the left, a list of events is displayed with columns for Event Type (Access Event), Event Status (Normal), and various timestamp entries. On the right, a live video feed from an outdoor station is shown, with a thumbnail image above it. The bottom of the interface features a toolbar with icons for Video Intercom, Video Intercom Unlocking, and other controls.

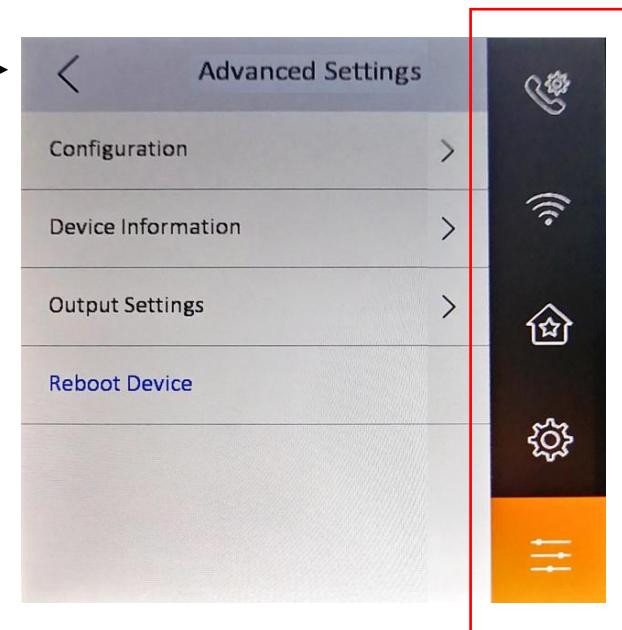
You also can unlock the door from the Outdoor Station Main View (LiveView).

(Note: You should look the Outdoor Station, not the LCD Indoor Station. Because it doesn't camera & door with the LCD.)



The screenshot shows the NVMS V3 software interface with the Main View tab selected. The left sidebar shows a tree structure with Resource, Auto-Switch, and a list of resources including Custom View, LCD, and Outdoor (M). Under Outdoor (M), a camera named Camera 01\_Outdoor (M) is selected. The main video preview area shows a smiling delivery person holding a package. A red arrow points to the control bar at the bottom of the video preview, which includes buttons for PTZ control, volume, and other video settings. The top right of the video preview shows the stream information: Main Stream(1944.80kbps, 1920\*1080, 31fps).

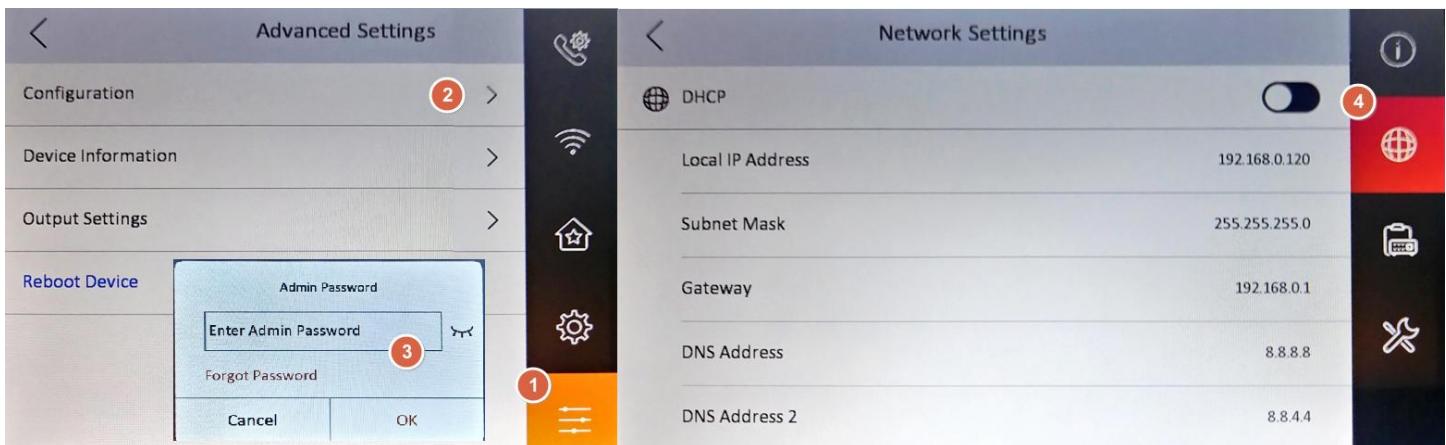
# LCD Indoor Station Reference



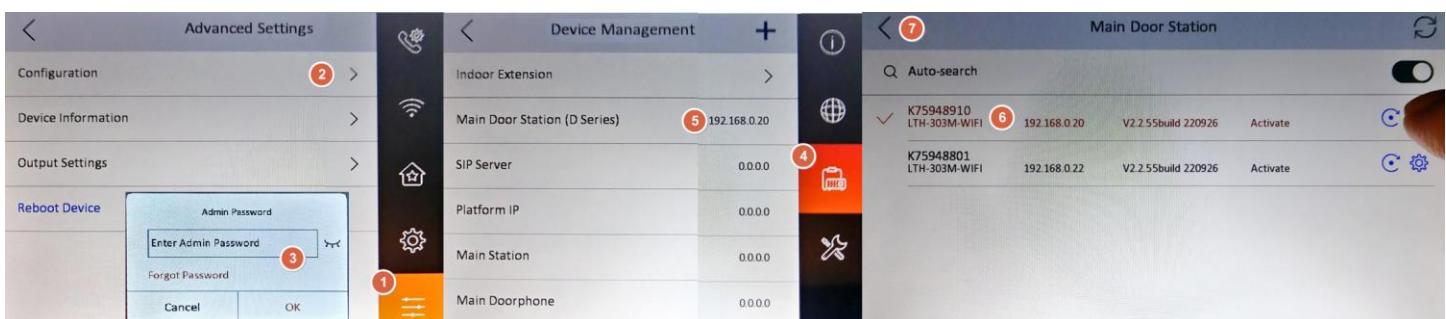
## Reboot

Settings > Advance Settings > Reboot Device

## LCD Network IP Address Setting



## Change Outdoor Station Selection



**(Important) Make sure Go back to (7) to take effect.**

(troubleshoot) If you try to select the same address as before, please go to modify network IP address. Change the address and change it back again. If the outdoor Station still can't Ring, please reboot Indoor & Outdoor station (REBOOT ALL)

# Connect IP Camera to the LCD Indoor Station

Recommend use ONVIF

## Remote Configuration

- System
  - Device Information
  - General
  - Time
  - System Maintenance
  - User
  - RS485
  - Security
- Intercom
  - Time Parameters
  - Permission Password
  - IP Camera Information 1
  - Volume Input/Output
  - Ring Import
  - Arming Information
  - Calling Linkage
  - Relay
  - Extension Settings
- Network

## LCD Indoor Station Remote Configuration

IP Camera Information

Add 2 Edit Delete Export Import

Index	Device Name	Getting Stream Mode	URL	Manufacturer Protocol	User	Password	IP Add
<div style="border: 1px solid black; padding: 10px;"> <p>Add IP Camera</p> <p>Device Type: Camera</p> <p>Getting Stream Mode: Direct</p> <p>Device Name: <input type="text"/></p> <p>IP Address: <input type="text"/></p> <p>User Name: <input type="text"/></p> <p>Password: <input type="text"/></p> <p>Manufacturer Protocol: ONVIF <span style="color: red;">3</span></p> <ul style="list-style-type: none"> <li>• HIK Protocol</li> <li>• ONVIF <span style="color: red;">4</span></li> </ul> <p>OK Cancel</p> </div>							

## System Maintenance

### Advanced Settings

Configuration 2

Device Information

Output Settings

Reboot Device

Admin Password

Enter Admin Password 3

Forgot Password

Cancel OK

### System Maintenance

Restore Default Settings

Restore All

Upgrade

Unlink APP Account

Wizard 4

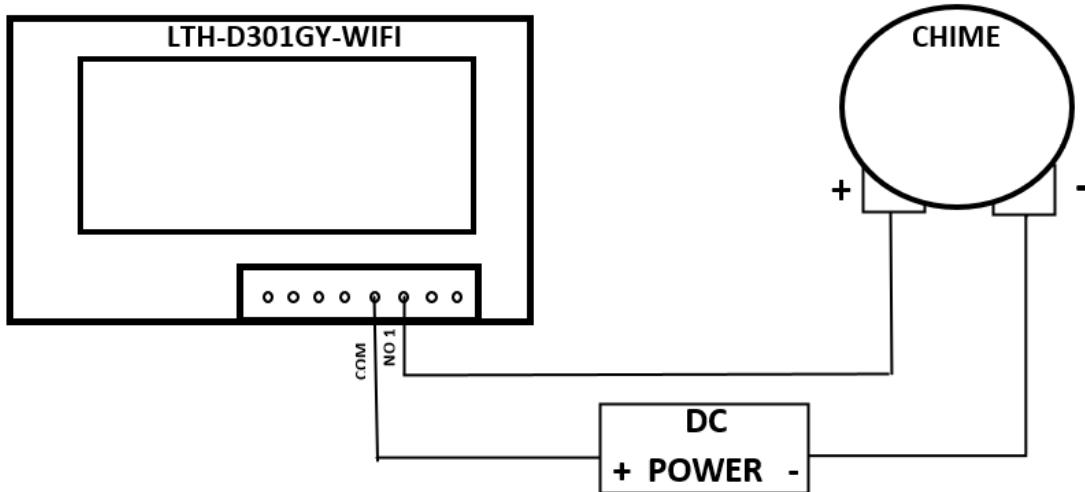
Mobile APP Configuration

# Other Reference: (Wiring Diagram)

## Adding Chime System to the LCD Indoor Station

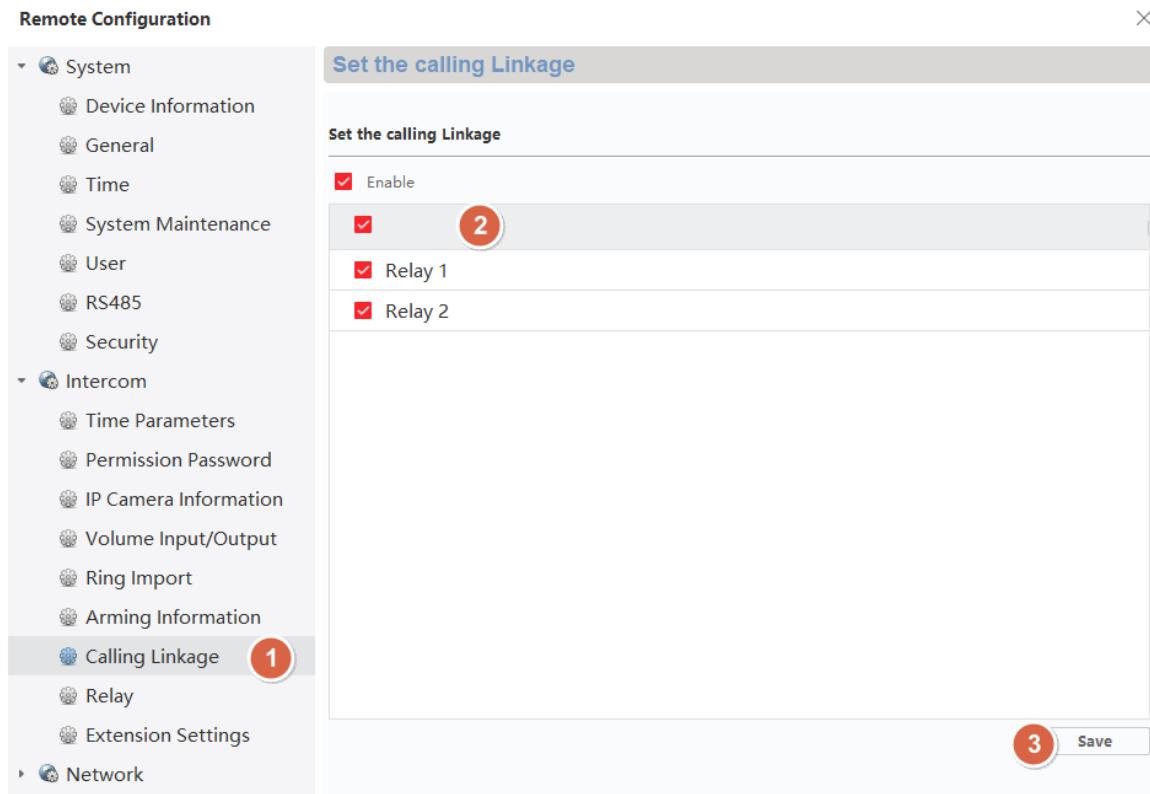
If you like to link the D301GY Indoor Station to the regular Chime system (DC). You can follow this method.

### - - - Chime Wiring - - -



## Go to NVMSv3, Device Management

### Open the LCD Indoor Station Remote Configuration.



The screenshot shows the 'Remote Configuration' interface of NVMSv3. The left sidebar contains a navigation tree with the following items:

- System
  - Device Information
  - General
  - Time
  - System Maintenance
  - User
  - RS485
  - Security
- Intercom
  - Time Parameters
  - Permission Password
  - IP Camera Information
  - Volume Input/Output
  - Ring Import
  - Arming Information
  - Calling Linkage 1
  - Relay
  - Extension Settings
- Network

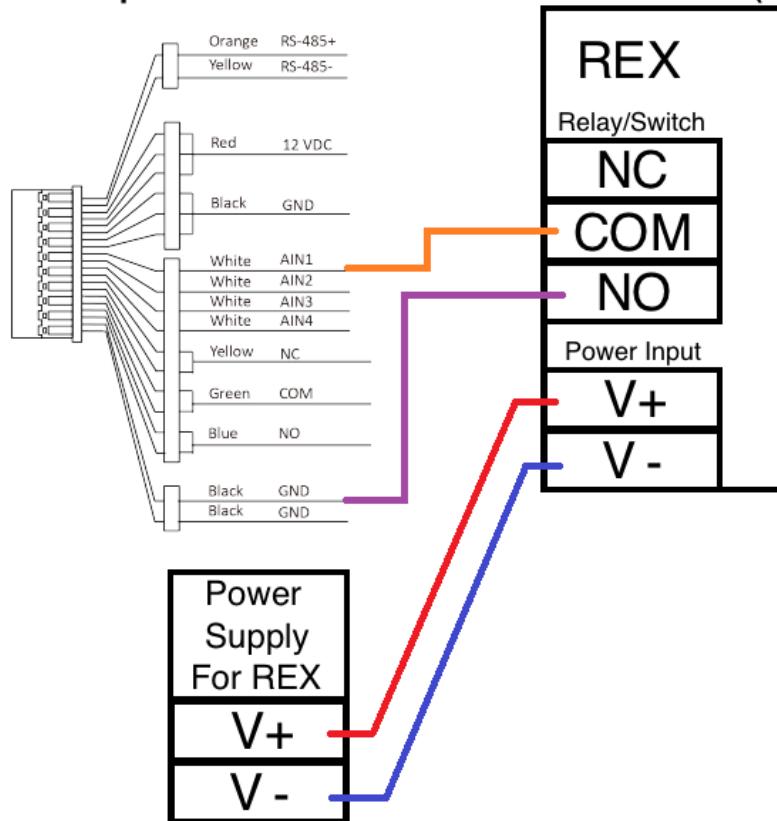
The main panel is titled 'Set the calling Linkage'. It contains a sub-section titled 'Set the calling Linkage' with the following configuration:

- Enable 2
- Relay 1
- Relay 2

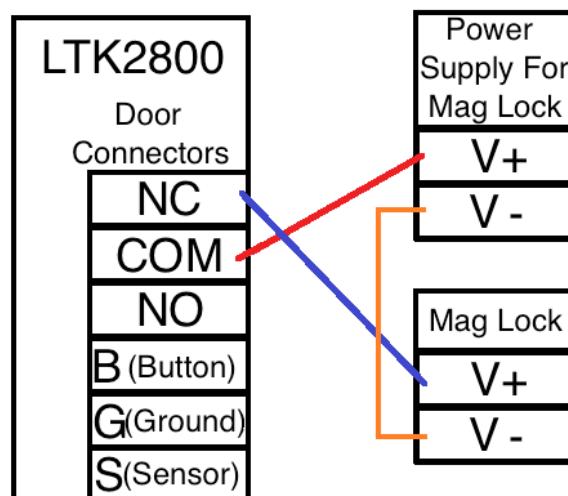
At the bottom right of the main panel is a 'Save' button with a red '3' icon.

## Similar Wiring Diagram

### LTH-301M-WIFI Connecting To A Request To Exit Motion Sensor (REX)



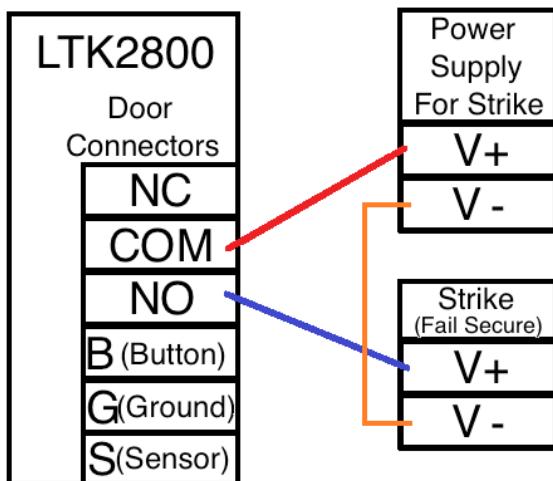
### Connect TO Mag Lock (Similar Diagram FOCUS on NC/NO wire)



# Similar Wiring Diagram

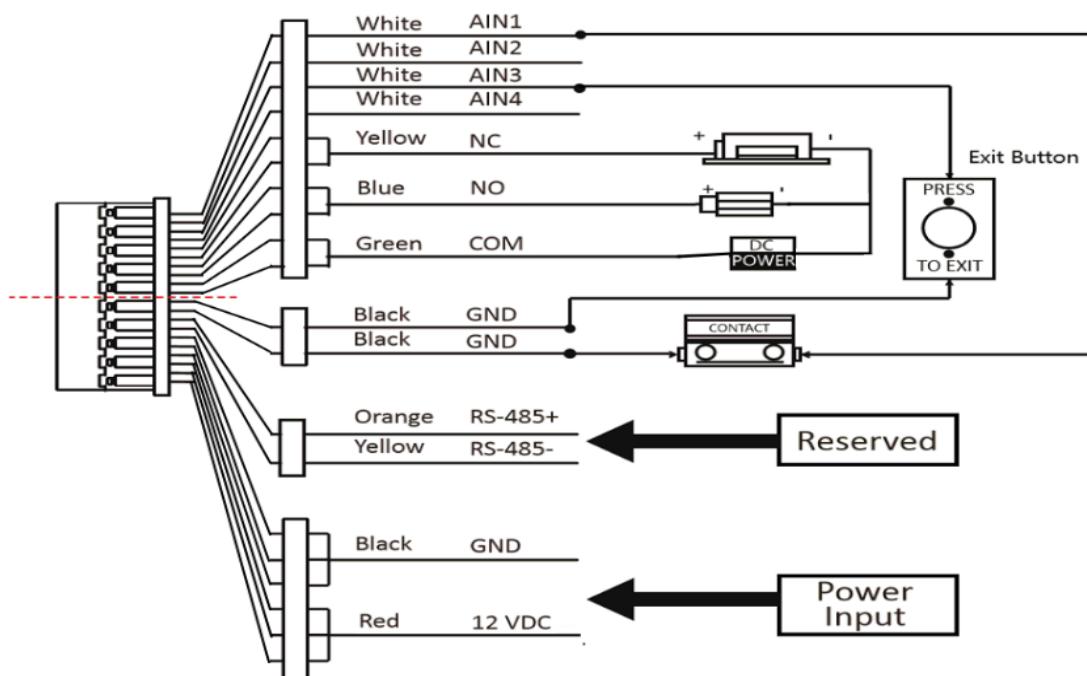
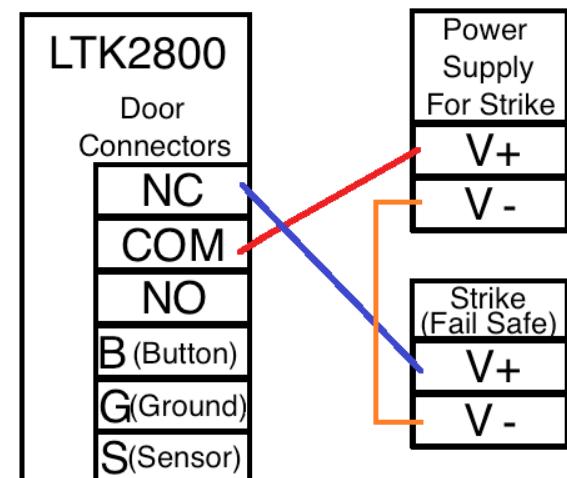
## NO Strike

### LTK2800 Series Connecting To A Fail Secure Strike



## NC Strike

### LTK2800 Series Connecting To A Fail Safe Strike



## Other Reference:

### Notice the Different in between **Intercom Class device** and **Door Access Controller Class Device**

But What is that mean?

That means the Intercom Class device when you use the Tap Card Swipe. **You Can NOT do these**

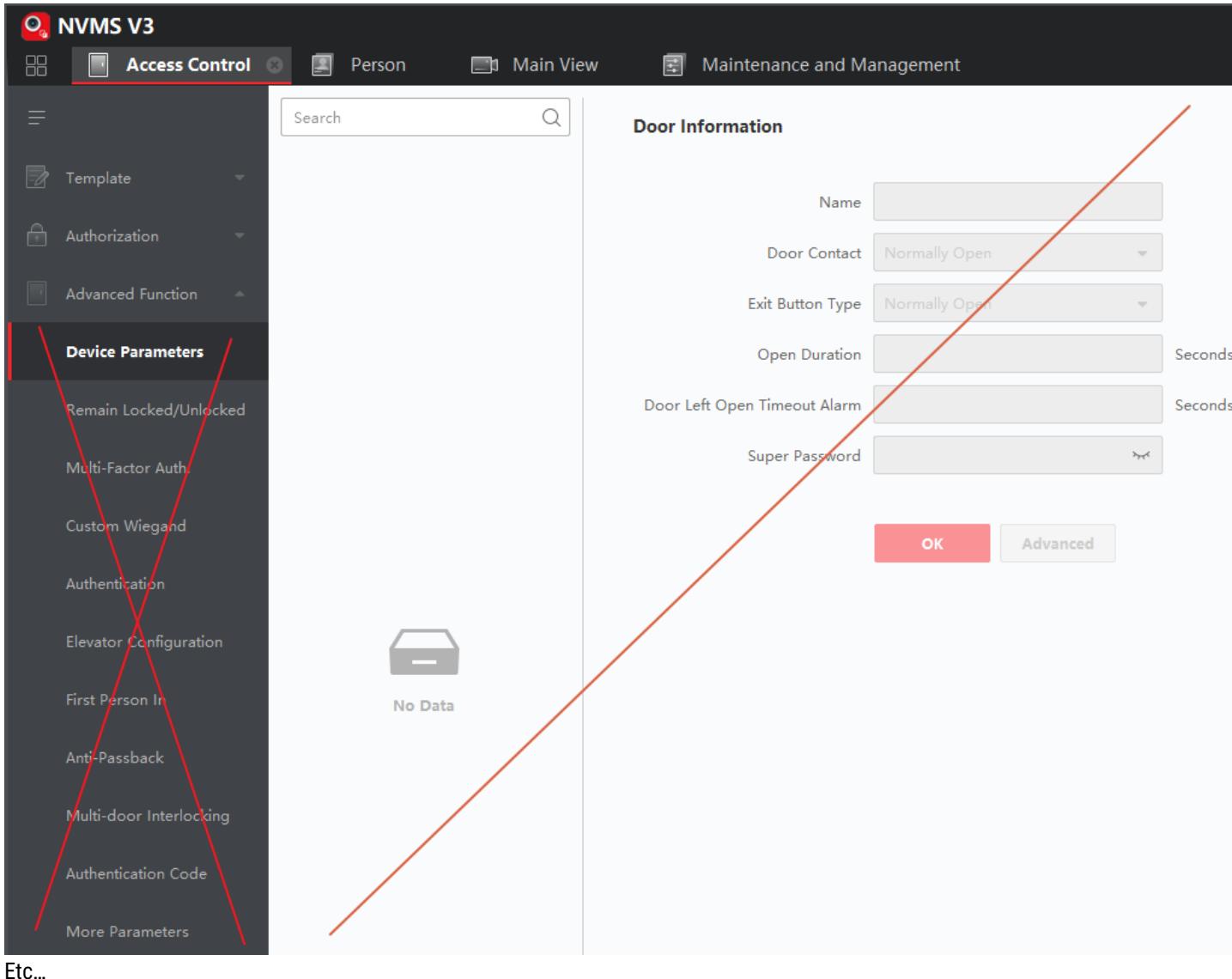
Define **Automatic Open Door Schedule.** (no)

Define first person card swipe-in to **Open Door all the time.** (no)

Link to another device (like Access Door Controller). Swipe to open two doors (no)

Define Punch number to open door (no)

Connect additional Keypad (no), (RS485 function removed in the config panel)



The screenshot shows the NVMS V3 software interface for Access Control configuration. The top navigation bar includes tabs for NVMS V3, Access Control (which is active and highlighted in red), Person, Main View, and Maintenance and Management. The left sidebar contains a navigation tree with sections like Template, Authorization, Advanced Function, and a large 'Device Parameters' section. The 'Device Parameters' section is heavily crossed out with a large red 'X'. The right panel is titled 'Door Information' and contains the following configuration fields:

Name	<input type="text"/>
Door Contact	<input type="text"/> Normally Open
Exit Button Type	<input type="text"/> Normally Open
Open Duration	<input type="text"/> Seconds
Door Left Open Timeout Alarm	<input type="text"/> Seconds
Super Password	<input type="text"/>

At the bottom right of the configuration panel are 'OK' and 'Advanced' buttons. Below the configuration panel, a message box displays 'No Data' with a small icon of a drive.

**If you need all these features, please consider Door Access Controller**

# FAQ

1. Q: Where can I find the user manual?  
A: The LTS website or the knowledgebase page area.  
[https://www.ltsecurityinc.com/amfilerating/file/download/file\\_id/3633/](https://www.ltsecurityinc.com/amfilerating/file/download/file_id/3633/)
2. Q: How do I factory default the device?  
A: There is no physical default button for the LTH-303m device.  
You may go to the Web interface or go to the NVMSv3 Remote configuration, under **Maintenance > Restore All**.
3. Q: What is the Mobile App name for LTH-303m-Wifi Device?  
A: LTS Connect. Download from the Google / Apple Store.
4. Q: Why does the LED button does not light up?  
A: The LED only lights up when the device detects it is dark out.
5. What is the TF/SD card slot (memory card slot) for?  
A: It is a reserved slot that currently does not have a function.
6. Is the camera ONVIF compatible?  
A: Yes
7. Q: Why is there an alarm sound when the device is powered on?  
A: It is a Tamper Alarm. The LTH-303m requires the metal Tamper Plate to be installed. If it installed correctly, the alarm will not sound when powered up.
8. Q: How do I change the Microphone / Speaker Volume?  
A: Through the NVMSv3 or the Web Interface (see picture)
9. Q: How do I change the max call duration?  
A: Through the Web Interface (see 2<sup>nd</sup> picture)
10. Q: Why can I see the video and talk back but I can't unlock the door or Ring?  
A: Network issue. Either not enough bandwidth or IP conflicted. Please check Page 7, 8



## Technical Post Note: Master Issue Card:

The package comes with a white card. It is the master issue card. The master issue is designed for No Network environment. However, you still need to use a PC to activate the device for the first time. The issued card is helping to program the access card without PC. Just simply Tap Master issue card – Programming. Tap – New Card. And end the Tap Master issue card to finish it. The master issue card is unique per device and binds to the 301m device. It is not compatible with any other device. LTS is not provided any support or warranty when you lost the card.