IP Intercom:
LTH-301M-WIFI

- 2nd Gen Door Station with True WDR 2MP IPC
- Compact 4.7x 2.2x 0.8 inch Design
- Mifare Reader and Programmable Calling Button
- PoE or TCP/IP with DC12V, IP65 Outdoor

LTH-301M-WIFI

2nd Gen Compact Door Station

See and Talk with Visitors via PC **or** APP

Can Connect to Intercom Systems

Mifare Card Reader, 1 Call Button

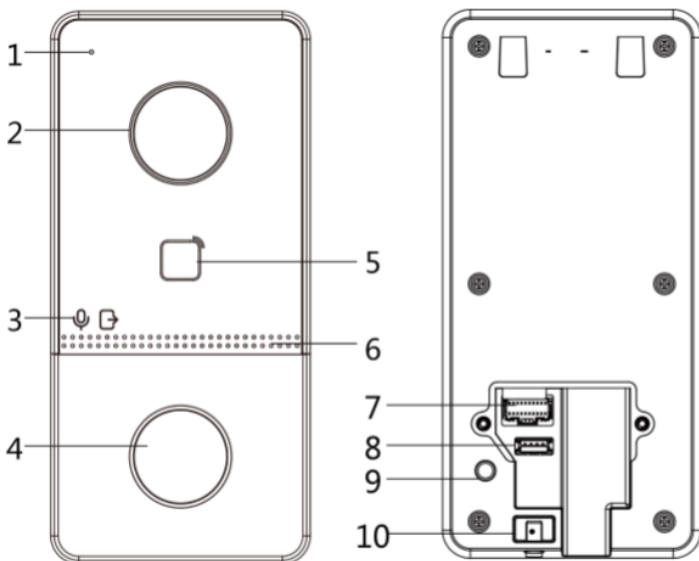Can Unlock Maglocks and Electric Strikes

LTH-301m-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-301m-WIFI is developed based on technology from the LTH-M201-C. In theory, it can replace the LTK3500S in a few ways.
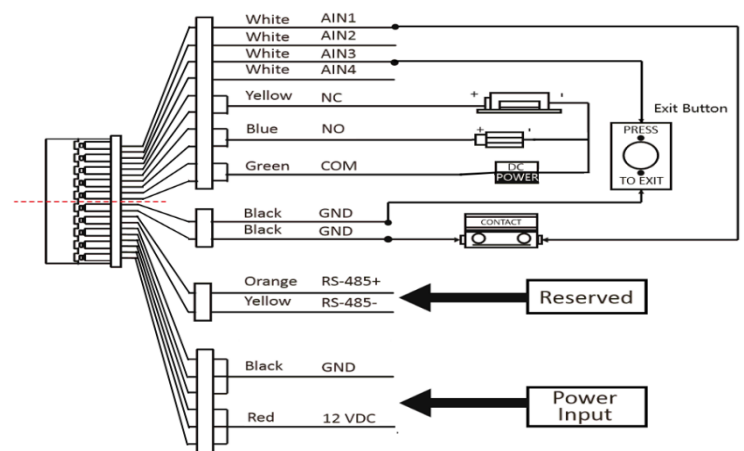
	LTH-M001	LTH-M201-C	LTH-301M-WIFI	LTK3500S(F)	LTK3410MF	LTK3607FM
Product Line	Intercom	Intercom	**Intercom**	Access Control	Access Control	Access Control
Call Intercom Indoor Station	Yes	Yes	**Yes**	No	**Yes**	Yes
Max # of Apartments / Offices	1	500	**1**	1	**500**	500
Call NVMS V3	Yes	Yes	**Yes**	Yes	**Yes**	Yes
Call LTS Connect APP without Indoor Station	Yes	No	**Yes**	Yes	**Yes**	No
Build-in Card Reader	No	Add MCR module	**Yes**	Yes	**Yes**	Yes
Max # of Cards (and Faces for 3410 and 3607)	N/A	10,000	**256**	50,000	**1,500**	6,000
Code Entry	No	Add KP module	**No**	Add Wiegand Keypad Reader	**Yes**	Yes*
Scheduled Unlock/Remain Lock	No	No	**No**	Yes	**Yes**	Yes
PC Software (NVMS V3) Unlock **	No	Yes	Yes	Yes	**Yes**	Yes
Facial Recognition	No	No	**No**	No	**Yes**	Yes
Dimension L x W x H	6.4"x 2.9"x 2.1"	4.6"x 4.2"x 1.3"	**4.7"x 2.2"x 0.8"**	8.6"x 3.1"x 1.6"	**6.8"x 3.3"x 0.9"**	9.4"x 4.6"x 1.3"
S=Surface Mount, F=Flush Mount	S	S or F	**S**	S	**S**	S
Power Supply	PoE/DC12V 1A	PoE/DC12V 1A	**PoE/DC12V 1A**	DC12V 1A	**DC12V 2A**	DC 12V 3A

Hardware Description:

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:

White   AIN1
White   AIN2
White   AIN3
White   AIN4
Yellow   NC
Blue   NO
Green   COM
DC POWER
Exit Button
PRESS TO EXIT
Black   GND
Black   GND
CONTACT
Orange   RS-485+
Yellow   RS-485-
Reserved
Black   GND
Red   12 VDC
Power Input

Activation is Required: LTH-301m-WIFI requires WEB / IP Portal / NVMSv3 to activate and create the password first.
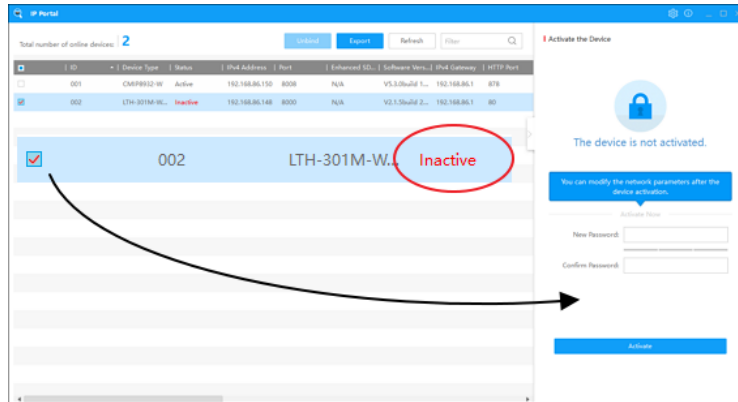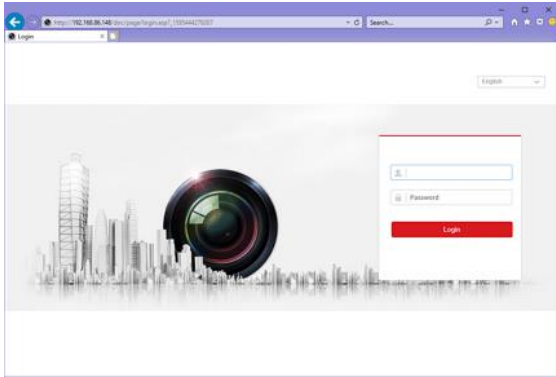
The default IP address is 192.0.0.65
1. Create admin Password & Activate.
2. Change the device IP address to connect the Internet.
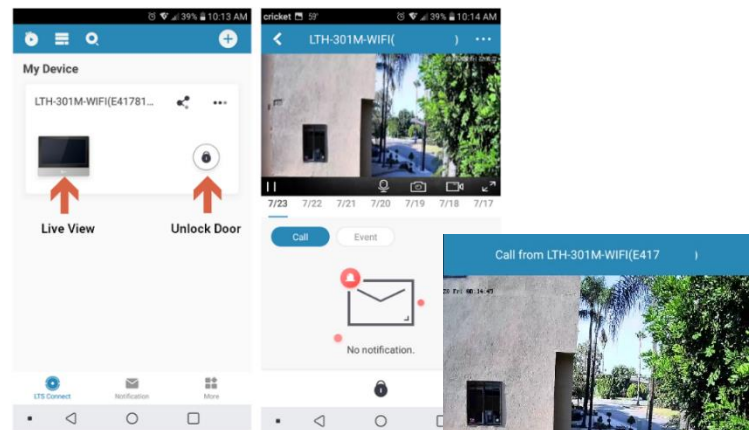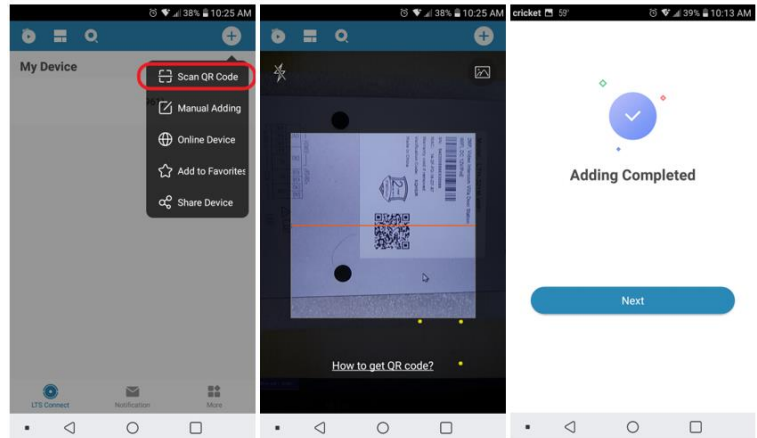
Mobile App: LTS Connect

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.

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 steam allows you to talk 2-way with the camera without being on the call.
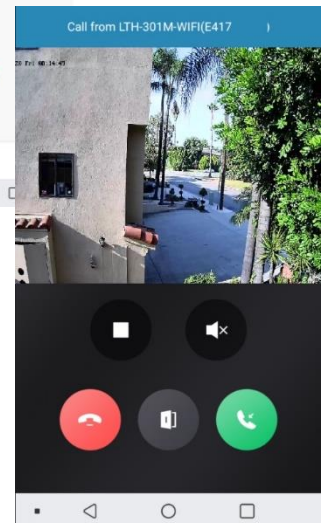
Use the Snapshot / Record icon to save footage onto your mobile device.

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.

Install NVMSv3

After the **NVMSv3** is installed, run the software. Go to Device Management, and click 'Online Device'. You should 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)
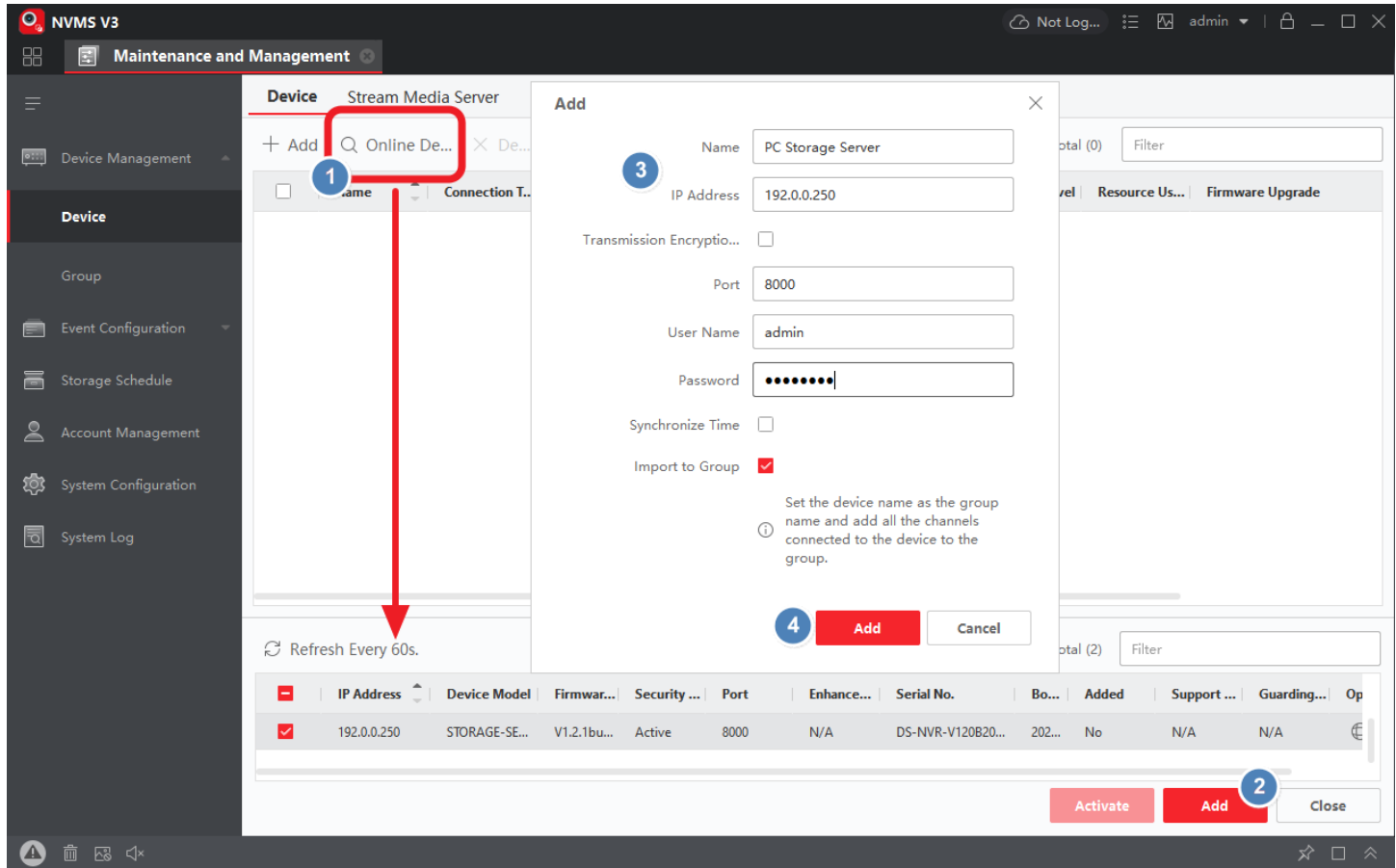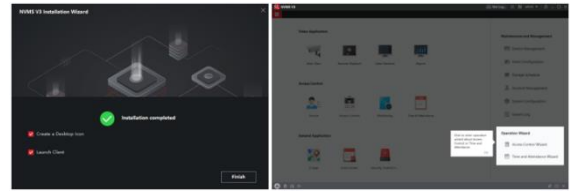
Remote Configuration

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.
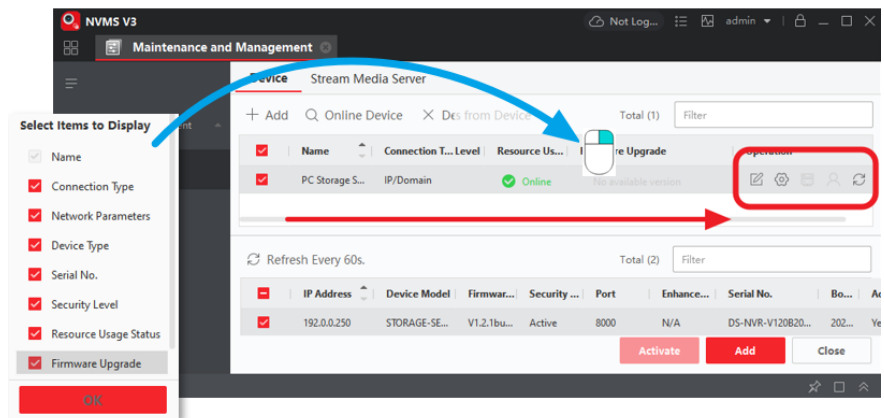
Main View & Unlock Door

After you have added the Intercom to the software, go to the Main View. Double-tap the device from the left panel to start the Live View. Hover the mouse on top of the video, you should see the function bar on the bottom of the stream (black area).

Unlock door button is on the left side of the function bar. (see the orange arrow)

Click the Microphone icon to perform 2 way communication with the intercom.
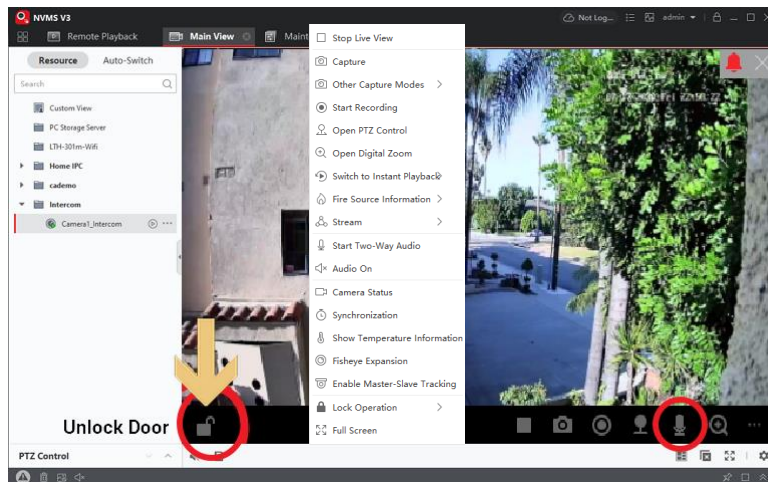
Change Calling to NVMSv3 Software

By default, the Intercom device is setup to call your Mobile App. This can be changed to call the NVMSv3 software if needed. Please note that the NVMSv3 software needs to be running to receive the call when the button is pressed.

To change the setting, go to the NVMSv3 Remote Configuration for the device or go to the Main Screen, click the Config button on the function (see top of right picture)

Go to **Intercom** > **Dial.**
Enable '<u>Quick Press for Calling Center</u>' Click Save.

When you press the call button on the intercom it will call the NVMSv3 Call Center software instead.

NOTE: If you change this function, the mobile app will no longer receive the calls until you revert this function back. The device cannot ring both the LTS Connect App and NVMSv3 software simultaneously.
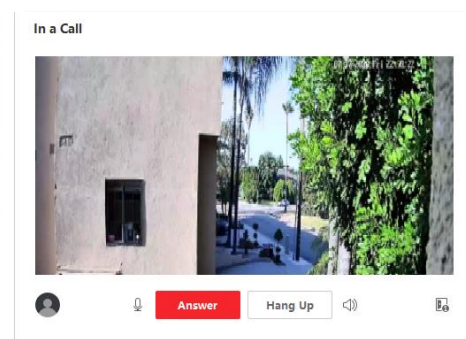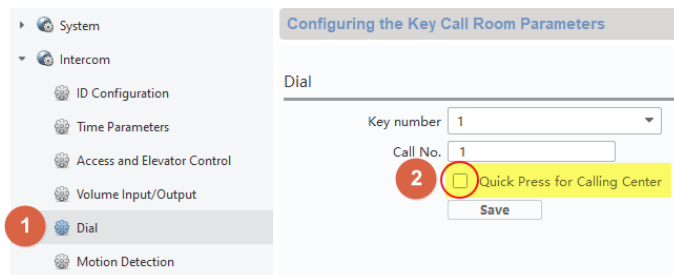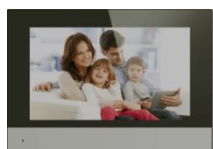
Connecting the Indoor Station Intercom

There are two ways to point the Indoor Station to the LTH-301m-WIFI Intercom. This requires setting the Door station Master Address

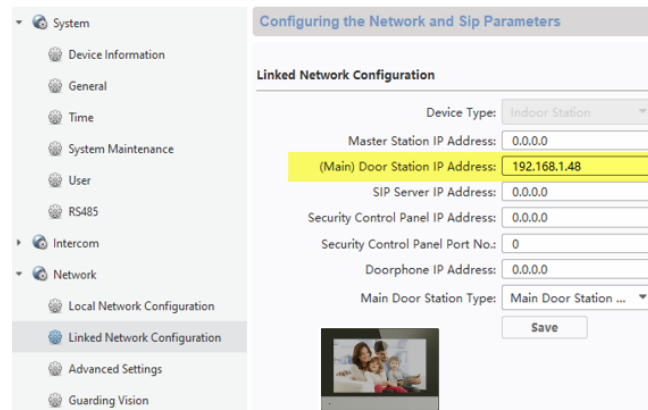1. NVMSv3
2. Indoor Station

In NVMSv3:
Remote Configuration of Indoor Station > **Network** > **Linked Network Configuration.**

Set the 'Door Station IP Address' to the LTH-301m-WIFI IP address.

On Indoor Station:
Click Settings > More (wrench icon on the right) > Configuration (log into the Indoor station with the password used to activate the device) > Device management (3rd icon on the right) and set the Door station IP address here.
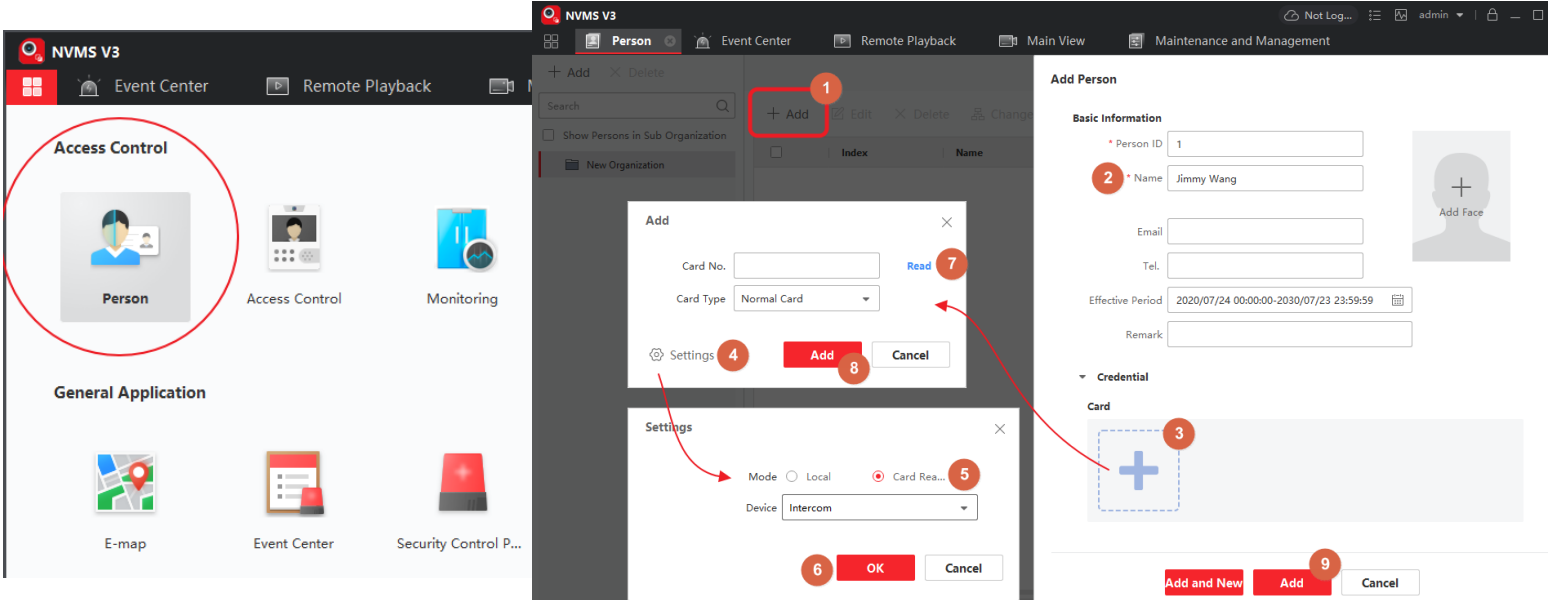
Program Card Access – Add Person

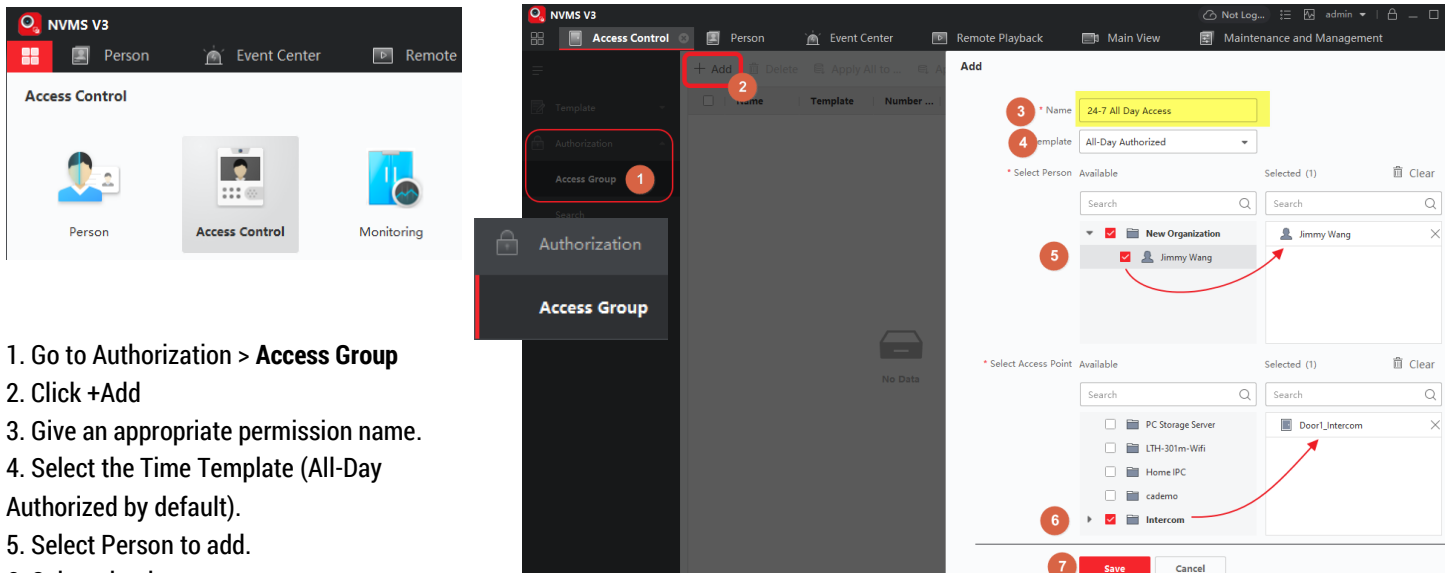Go to NVMSv3. Click the Menu Icon ⊞ > Access Control > **Person**

Click **+Add** to add a person… (Follow the steps 1,2,3, etc.)
On step #5, select your LTH-301m Reader to read in the card from the device. You can also manually type in the card number. A manually entered card number must match the physical card number itself.
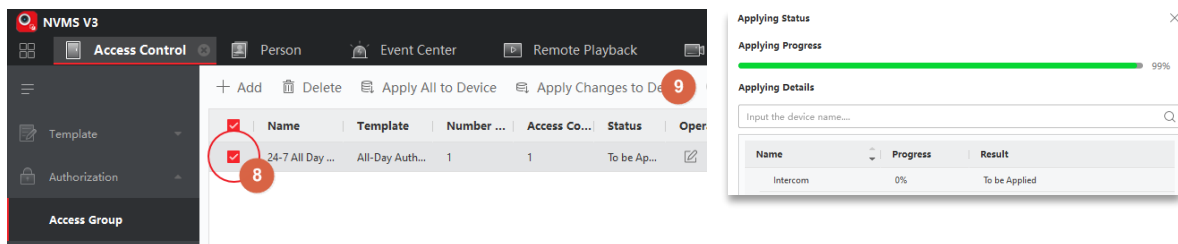

Program Card Access – Add Permission

Go to the Access Control section

1. Go to Authorization > **Access Group**
2. Click +Add
3. Give an appropriate permission name.
4. Select the Time Template (All-Day Authorized by default).
5. Select Person to add.
6. Select the door.
7. Click Save.
8. Select the Permission.
9. Apply changes.

Event Logs

Event Logs are saved in the NVMSv3 PC system, it is not saved in the device itself.   To retrieve it, you can go to the **Event Center**.

Then follow the Steps 1-5 to search.   Make sure to select the **Video Intercom** in Step 3.
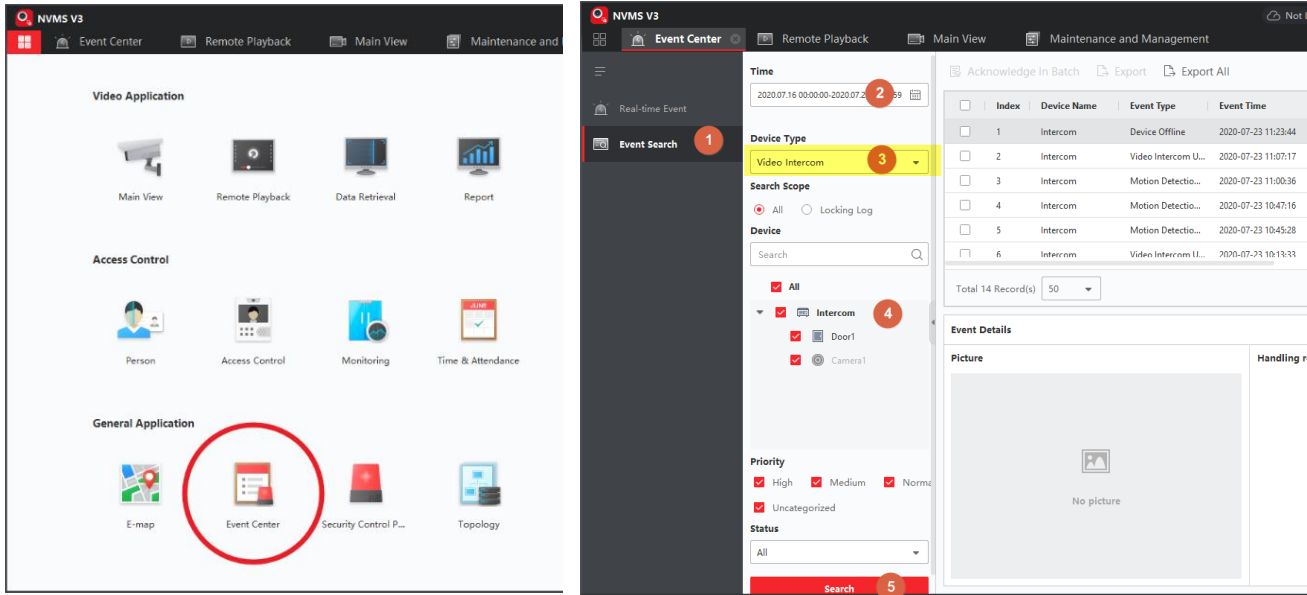
Video Recording

You can record or snapshot the video while you watch and save to your PC (see Pg4 Main View Picture)
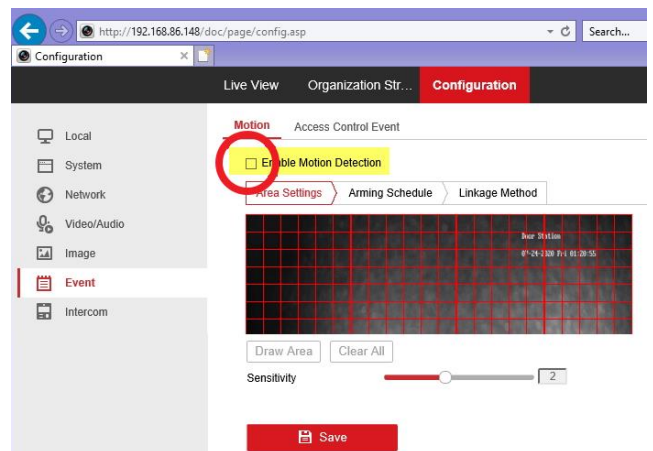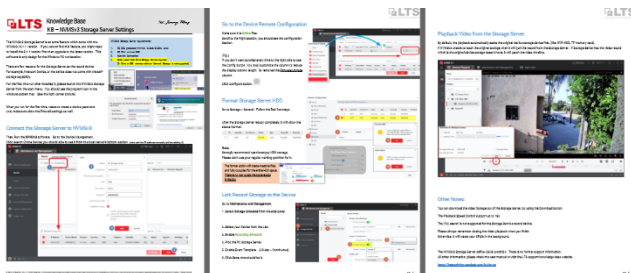

The LTH-301m-WIFI device does not come with a self-record storage function. (Note: The LTH-301m TF/SD card slot is disabled, and not used for recording purposes.)

If you want to do Motion Detection Recording, you need a DVR/NVR to record it.   Make sure to turn on the Motion Detection in the 301m setting through NVMSv3 or through the Web Interface.

Or, if you want to use your PC to record automatically, you need setup the NVMSv3 Storage Server.   If you are interested in storage server setup, please check the knowledgebase page from the link below.

https://ltsecurityinc.zendesk.com/hc/en-us/articles/360051972713--PC-NVMSv3-Storage-Server-Settings

FAQ

1. Q: Where can I find the user manual?
   A: The LTS website or the knowledgebase page area.
   https://ltsecurityinc.zendesk.com/hc/en-us/categories/360004343213-Official-User-Manual

2. Q: How do I factory default the device?
   A: There is no physical default button for the LTH-301m device.
   You may go to the Web interface or go to the NVMSv3 Remote configuration,
   under **Maintenance** > **Default**.

3. Q: Why does the LED button not light up?
   A: The LED only lights up when the device detects it is dark out.

4. Q: Why is there an alarm sound when the device is powered on?
   A: It is a Tamper Alarm. The LTH-301m requires the metal Tamper Plate to be installed. If it installed correctly, the alarm will not sound when powered up.

5. Q: How do I change the Microphone / Speaker Volume?
   A: Through the Web Interface (see picture)

6. Q: How do I change the max call duration?
   A: Through the Web Interface (see picture)

7. Q: Can you push the call button to call the Mobile App and
      NVMSv3 software at the same time?
   A: The call button can only be pointing to one device at a time.
      Either the Mobile App or the NVMSv3 software (PC).

8. Q: Does the device support Push Notification for the Mobile App?
   A: Currently, this is not available.

9. Q: Why can I see the stream and talk back but I can't unlock the
      door?
   A: Network issue. Either not enough bandwidth or IP conflicted.

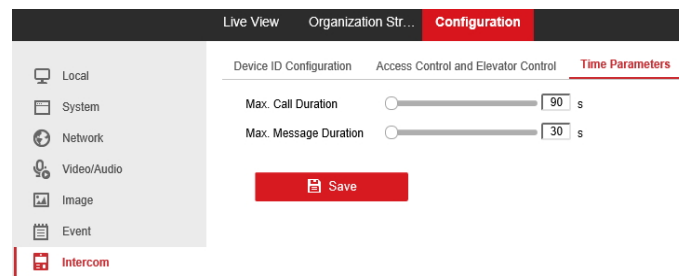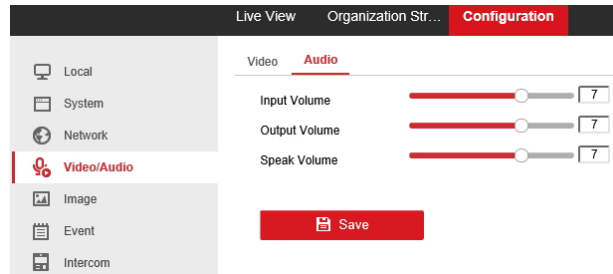10. Q: Can I program the device to open the door based on a schedule?
    A: No. The Intercom does not support this feature. If you want to open a door based on a schedule, you will need an access control device. Intercom and access control are different products.

11. Is the camera ONVIF compatible?
    A: No.

12. What is the TF/SD card slot (memory card slot) for?
    A: It is a reserved slot that currently does not have a function.