
Indoor Station Deployment Guide

V1.1



Zhejiang Uniview Technologies Co., Ltd.

Revision Records

Date	Version	Description	Author
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1 Introduction

1.1 Product Overview

OEI-371S-H-W indoor station is a terminal device of digital intercom system for buildings. It is integrated with video intercom, security and alarm, and live monitoring functions to provide a safer and more comfortable living environment. The product is widely applicable to building systems in smart community, public security, and enterprise campuses.

1.2 Installation

For production installation information, please refer to the corresponding quick guide.

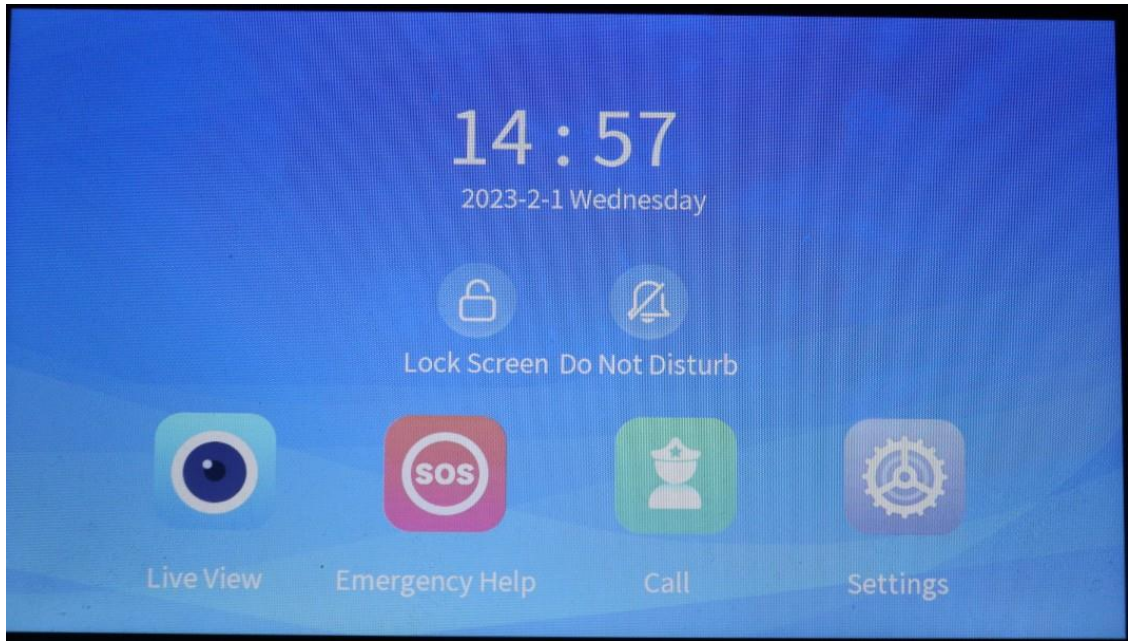


3101C1HS-UNV-
OEI-371S-H-W-In

1.3 System Startup

Connect the indoor station to power. The device starts and then displays the home screen. The home screen shows the current time (settable on the Web interface) and buttons including Lock Screen, Do Not Disturb, Live View, Emergency Help, Call, and Settings.

Figure 1 Home Screen

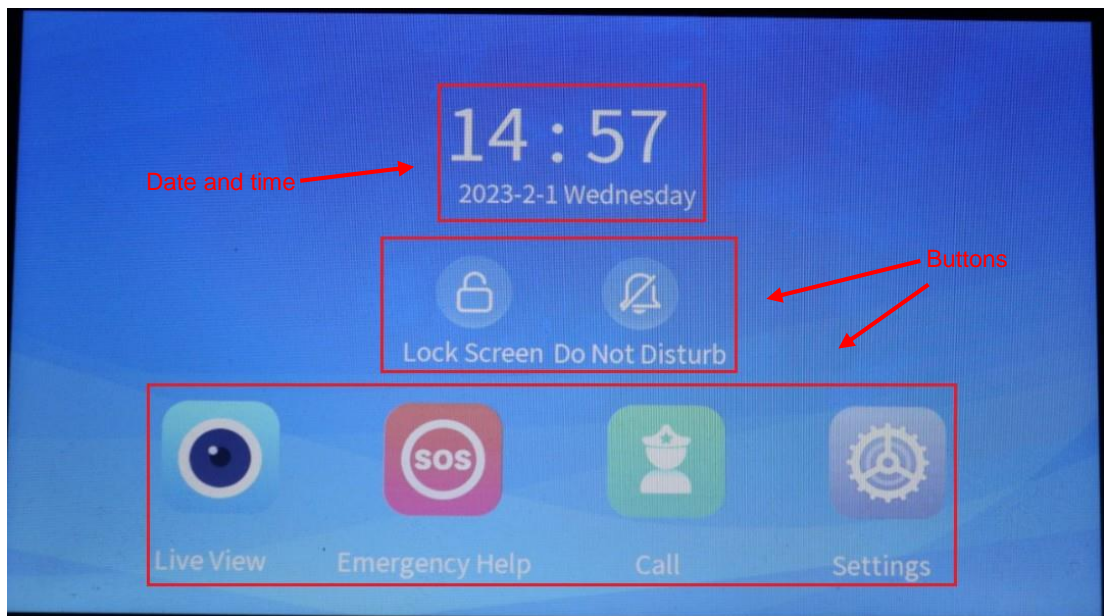


1.4 Home Screen

The indoor station's home screen is as shown below.

- (1) The initial password for the admin user is "123456".

Figure 2 Indoor Station Home Screen

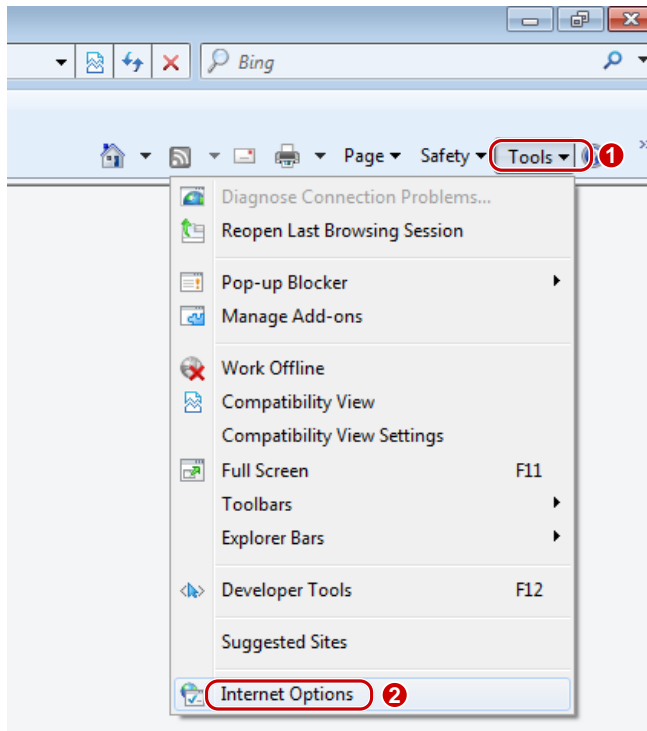


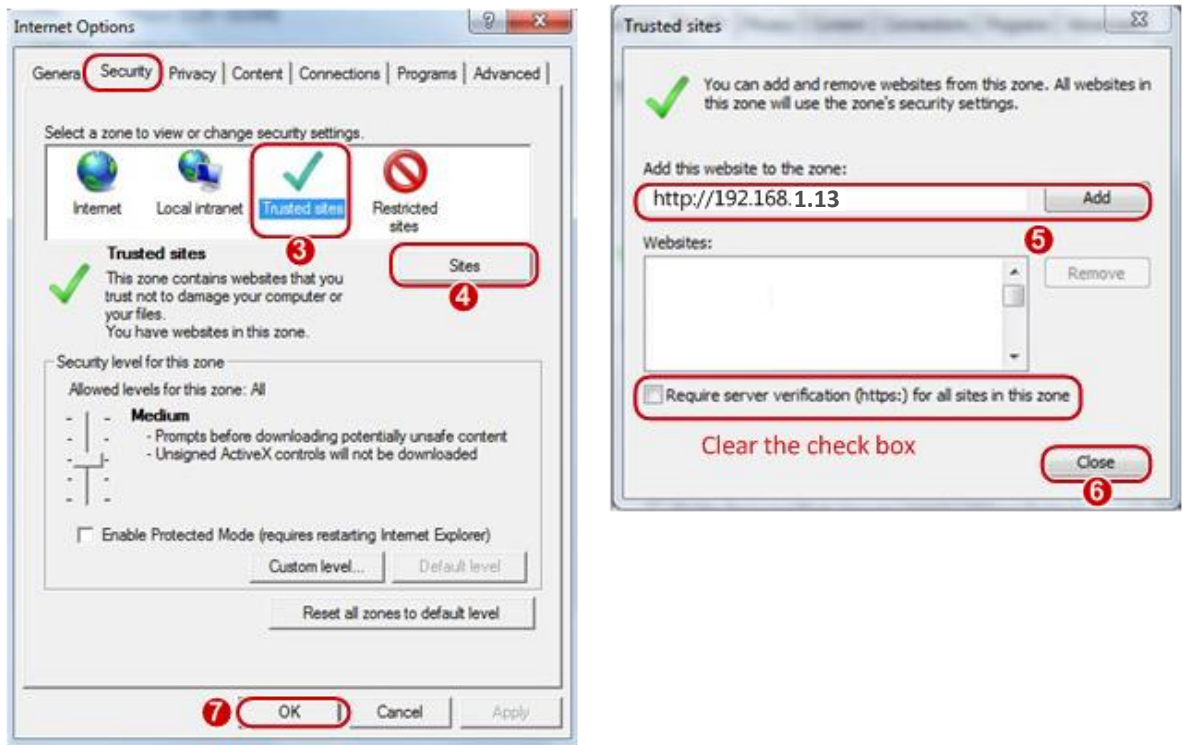
1.5 Web Login

You can manage and configure the indoor station using a Web browser.

-
- (1) Before login, make sure the client computer and the indoor station is connected via network, and the Web browser is IE 9.0 or higher.
 - (2) Add the indoor station's IP to trusted sites.

Figure 3 Add Indoor Station's IP to Trusted Sites

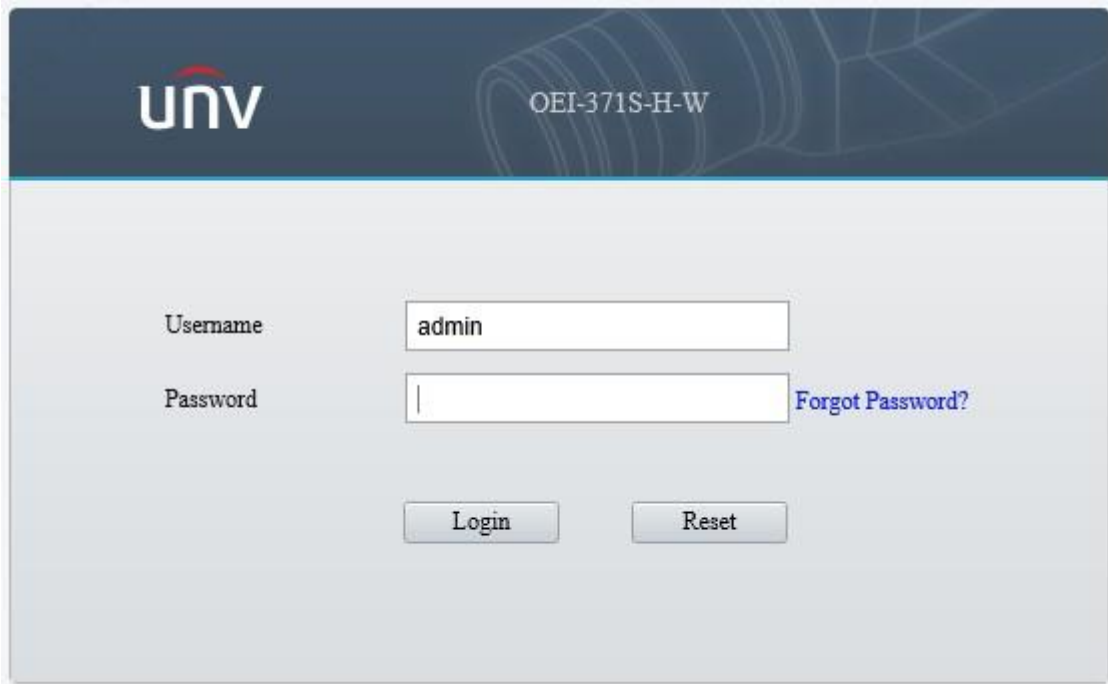




- (3) Enter the indoor station's IP address in the address bar, and then press **Enter**.
- (4) Enter the username and password, click **Login**.

The default username is "admin", and the default password is "123456". If the password has been changed, you need to use the new password to log in.

Figure 4 Web Login



The image shows a login page for a device. At the top left is the UNV logo. At the top right is the device model number OEI-371S-H-W. The main area contains a login form with the following elements:

- Username:** A text input field containing the value "admin".
- Password:** A text input field that is currently empty.
- Forgot Password?:** A blue hyperlink located to the right of the password field.
- Login:** A button located below the username and password fields.
- Reset:** A button located to the right of the Login button.



NOTE!

User can click **Forgot Password** to retrieve the login password.

1.6 Device Upgrade

- (1) Log in to the device's Web interface.
- (2) Go to **Setup > System > Maintenance**.
- (3) Click **Browse** right to the **Local Upgrade** field, select the correct upgrade file.

Figure 5 Local Upgrade



The image shows a "Software Upgrade" section of a web interface. It contains the following elements:

- Local Upgrade:** A text input field followed by a "Browse..." button, an "Upgrade" button, and a checkbox labeled "Upgrade Boot Program".
- Cloud Upgrade:** A "Detect" button.

- (4) The **Upgrade** button is activated when you select the upgrade file. Click **Upgrade** to start.
- (5) A success message appears when upgrade is completed.



NOTE!

- Make sure the upgrade file matches the device; otherwise, unexpected problems may occur.
 - If the upgrade file is a **.zip** file, it must include all the necessary files.
 - If the upgrade file is a **.patch** file, make sure the version number before the H in the filename is consistent with the current version number (before upgrade).
For example, if the patch is QPTS-B2209.6.9.220121H01.patch, then the current version must be QPTS-B2209.6.9.220121,
 - Power must be connected throughout the upgrade. The indoor station will restart automatically after completing upgrade.
-

1.7 Device Restart

- (1) Go to **Setup > System > Maintenance**.

Figure 6 Device Restart

The screenshot shows a 'Device Restart' configuration window. It includes a 'Restart' button, a 'Restart device' label, a checked 'Enable Auto Restart' checkbox, a dropdown menu set to 'Each Day', a time field set to '02:00:00', and an 'OK' button.

- (2) In the **Device Restart** area, click **Restart** and confirm.
- (3) To use automatic restart, select the **Enable Auto Restart** checkbox and then set a schedule. The indoor station will restart automatically at the set time.
- (4) You may also restart the indoor station on its screen. See System Maintenance.



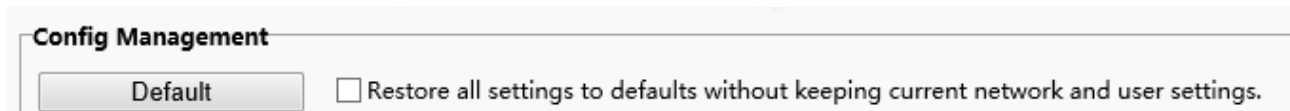
CAUTION!

- By default, the indoor station restarts automatically at 2:00 a.m.
 - Restart device with caution. It will interrupt service.
 - It is recommended to set the restart time to an idle period to minimize interruption.
 - Changing the system time after enabling auto-restart will interrupt the auto-restart schedule.
-

1.8 Restore Defaults

- (1) Go to **Setup > System > Maintenance**.
- (2) For information about restoring device settings on the home screen, see System Maintenance.

Figure 7 Restore Default Configuration



- (3) If you restore default settings with the checkbox selected, the indoor station's IP address will be reset to the default IP address, the person library will be cleared, all the custom settings will be reset, and the activation configuration screen appears after the indoor station restarts. If you restore default settings with the checkbox cleared, the person library will remain, and custom person libraries including library data and the current device IP will be kept.



CAUTION!

- Restoring default settings will restart the device.
 - After you restore default settings with the checkbox selected, the activation configuration screen will be displayed after the indoor station restarts, and user needs to reset the username and password. Also, the current network settings, person libraries including library data will be cleared.
-

2 Video Intercom

2.1 Network Environment

2.1.1 Devices

The video intercom function involves the following devices: OEI-371S-H-W indoor station, PoE switch, EG-S31D central management station (currently unavailable), and door station.

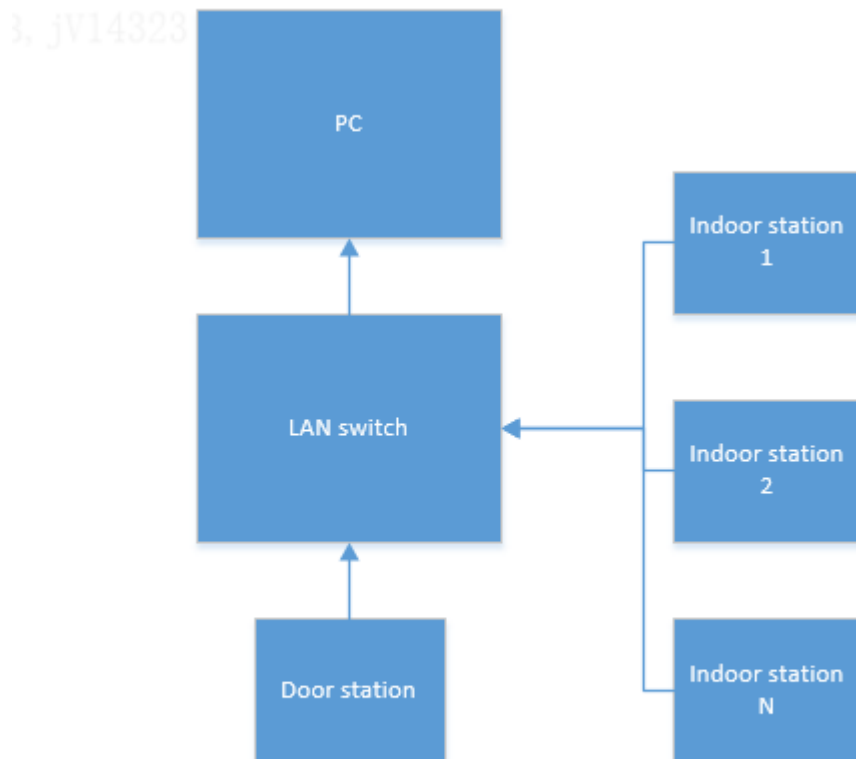
2.1.2 Network Setup

After the devices are ready, connect the PoE switch and the central management station to power, and then connect the devices as described below:

1. LAN interface on the PoE switch >network interface on the switch
2. Network interface on the central management station >LAN interface on the PoE switch
3. Network interface on the indoor station >Any PoE interface on the PoE switch
4. Network interface on the door station>Any PoE interface on the PoE switch

After completing device connection, you need to set the IPs of the door station, indoor station, and central management station to the same IP segment so the devices can communicate with each other. For example, the PoE switch is directly connected to the switch, and the switch is on network segment 192.168.2.1-192.168.2.254. After directly connecting the three devices to the PoE switch, you need to set the IPs of the three devices to the same IP segment as that of the switch (192.168.2.1-192.168.2.254).

Figure 8 Network Connection



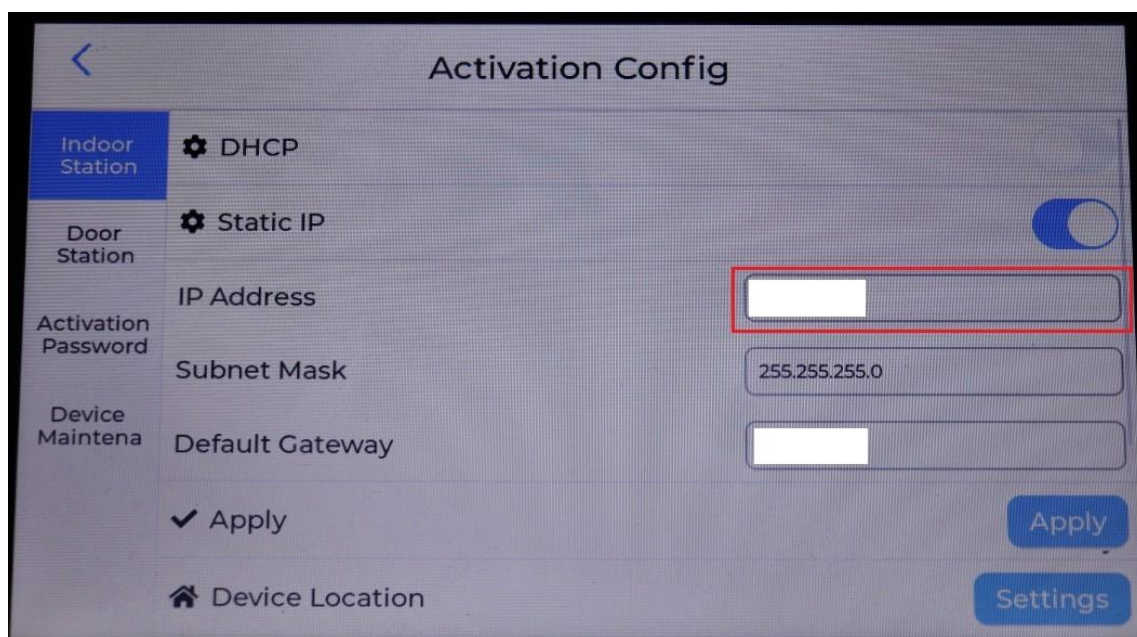
2.2 Basic Configuration

The indoor station supports video intercom, live view, and emergency help functions. You need to configure on both the indoor station and door station.

2.2.1 Indoor Station Configuration

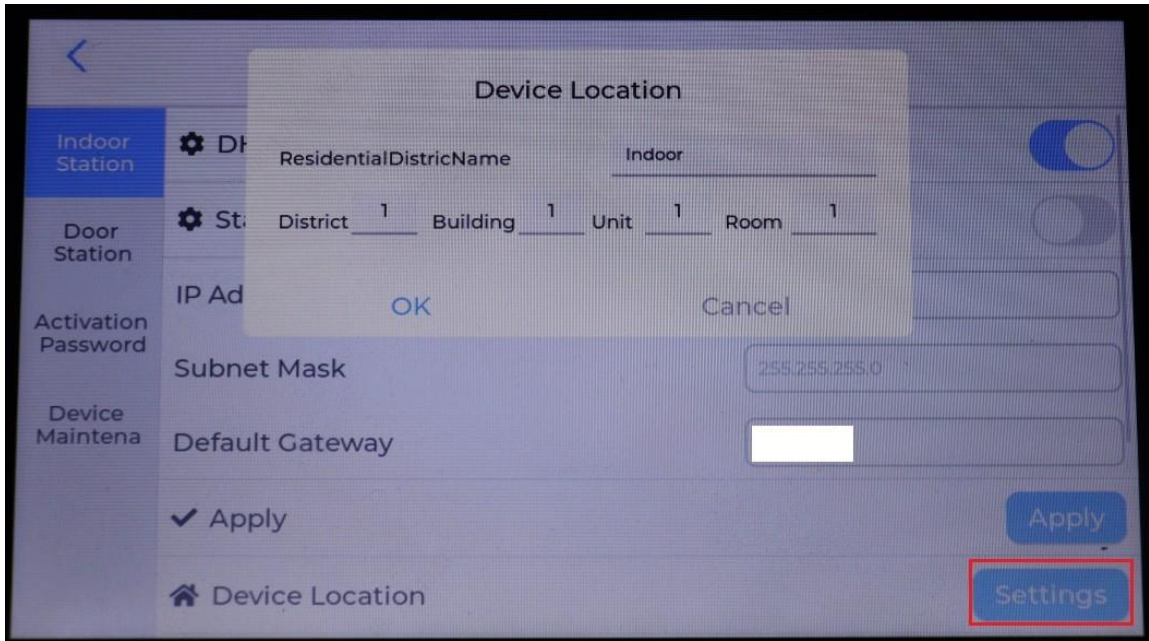
- 1) Network settings: After the indoor station completes upgrade, the home screen is displayed. Go to **Settings > Activation Config > Indoor Station**, enter the activation password (initial password is 123456), and then set an IP address for the indoor station on the **Activation Config** screen. See Indoor Station.

Figure 9 Activation Config Screen



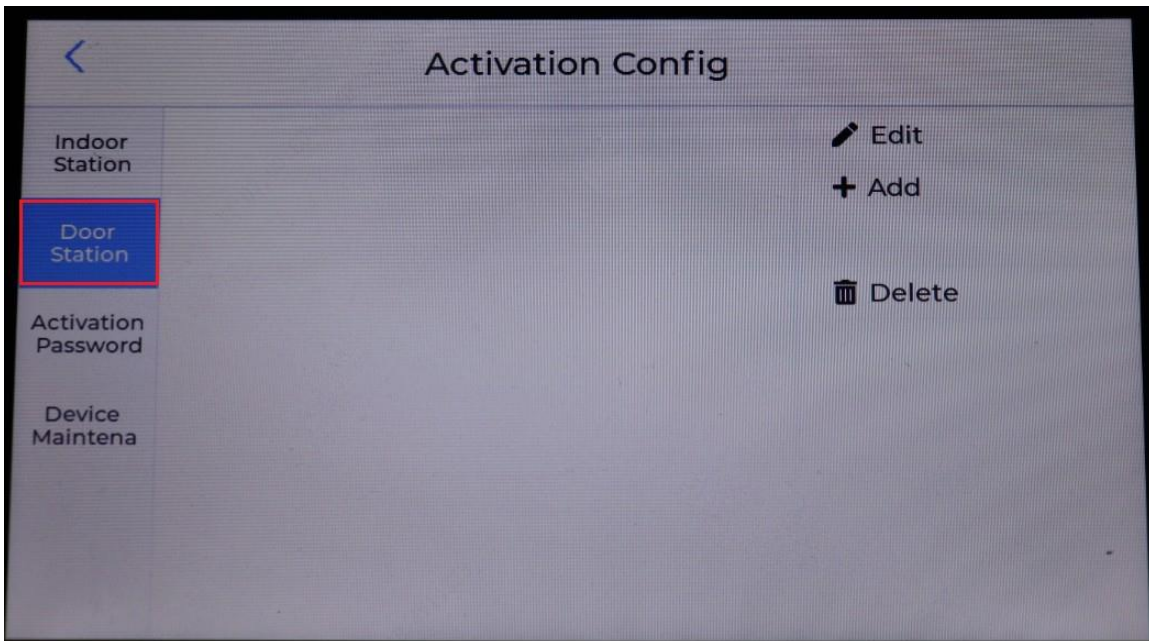
- 2) Device location: Set location information including residential compound name, phase number, building number, unit number, and room number, so a door station can call the indoor station by dialing its room number.

Figure 10 Setting Device Location



- 3) Door station: Complete settings for the door station so the indoor station and door station can communicate with each other. Tap **Door Station**. On the screen as shown below, add the indoor station. Now the configuration on the indoor station is complete.

Figure 11 Adding Indoor Station



2.2.2 Door Station Configuration

- 1) Network settings: Press and hold for 3s on the screen, input the activation password. On the **Activation Config** screen, tap **Network Setting**, change the door station's IP address and then tap **Save**.

Figure 12 Door Station Activation Config Screen

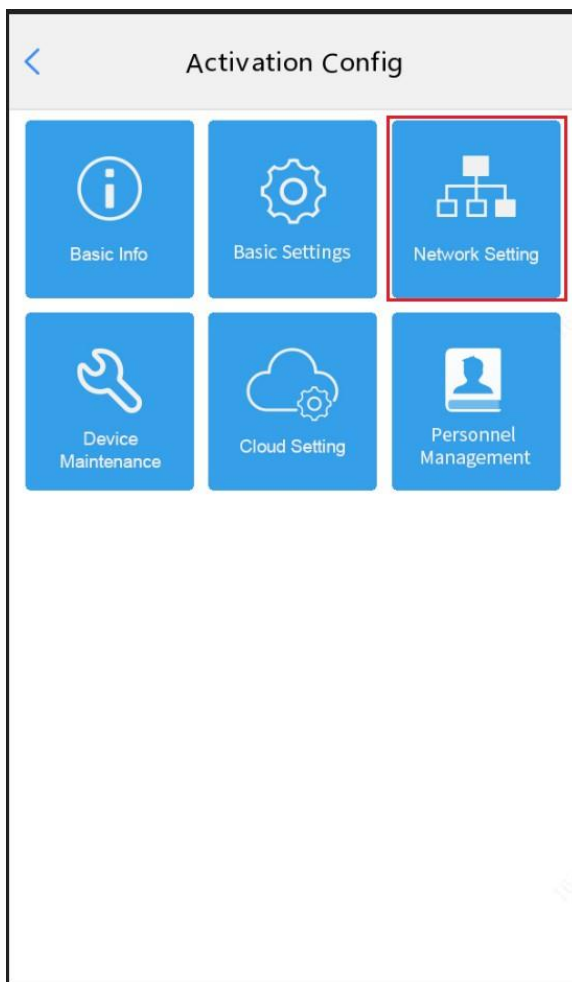
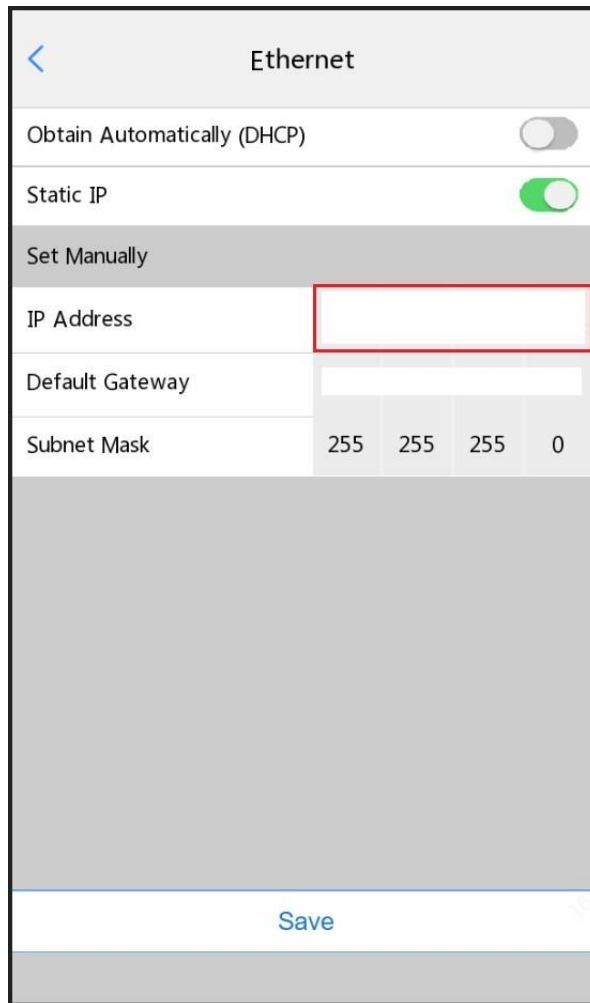


Figure 13 Door Station Network Settings



NOTE: The door station's IP must be on the same IP segment as the indoor station's IP.

- 2) Call protocol settings: On the door station's **Activation Config** screen, go to **Basic Setting > Intercom Config**, choose **EI-3 Series Indoor Station** for the indoor station, tap **Save**.

Figure 14 Door Station Intercom Config Screen

The screenshot shows the 'Intercom Config' interface with the following sections and fields:

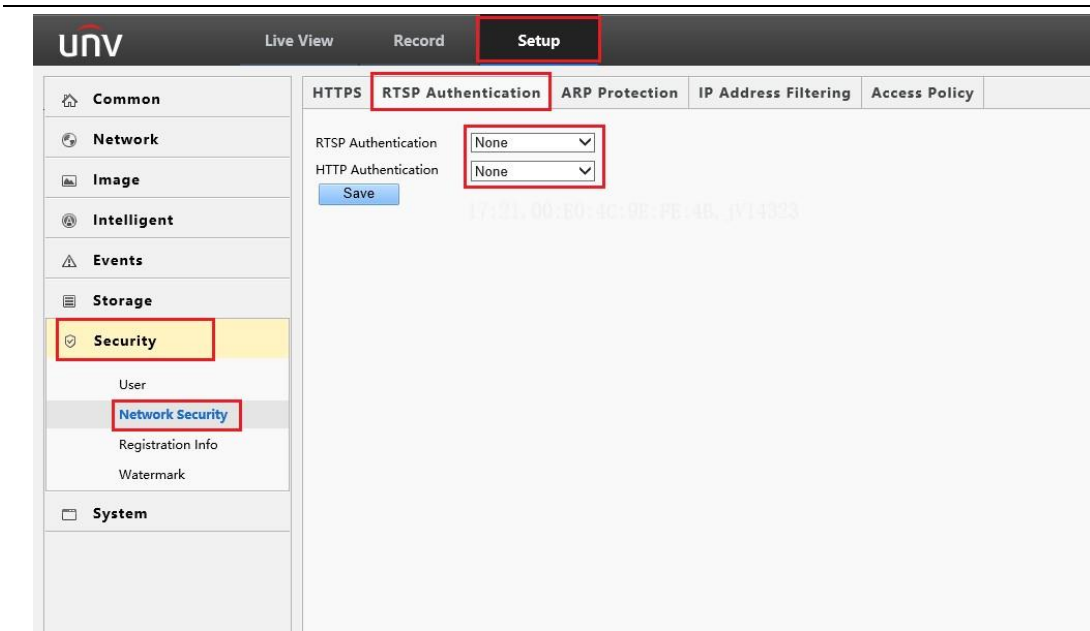
- Call Protocol**
 - Indoor Station: EI-B Series Indoor Station (dropdown menu is open showing options: EI-B Series Indoor Station, VLR-V2, EI-3 Series Indoor Station)
 - Management Station: (empty)
- Management Station Info**

Management Station 1	0	0	0	0
Management Station 2	0	0	0	0
Management Station 3	0	0	0	0
- Device Location**
 - Community: (empty)
 - Building: 1
 - Unit: 1 Unit
 - Extension Station Number: 1

At the bottom of the form is a blue 'Save' button.

- 3) Authentication settings: Disable RTSP authentication and HTTP authentication on the door station (currently authentication must be disabled manually on the door station for the calling function to work).

Figure 15 Disable Authentications on Door Station

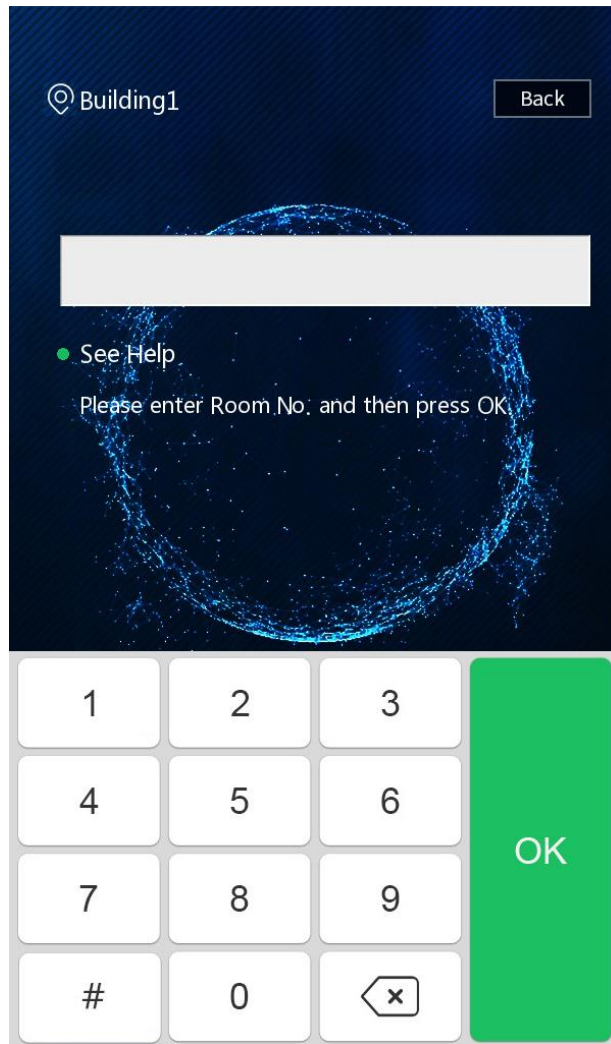


2.3 Intercom

2.3.1 Call

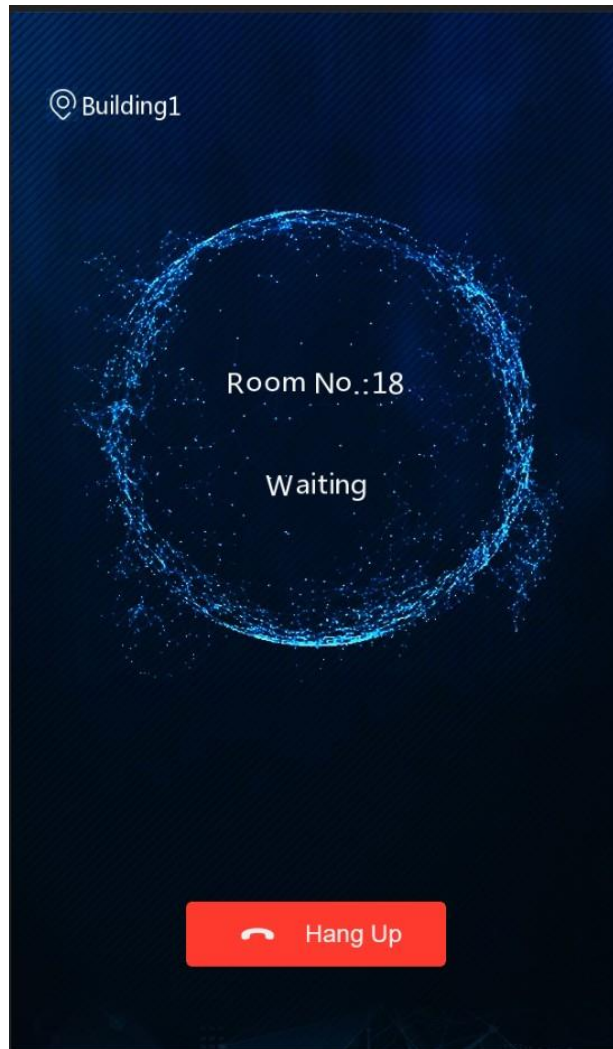
After completing the basic settings, tap the **Call** button on the door station screen, input a room number and then tap **OK** to call the corresponding indoor station.

Figure 16 Input Room Number on Door Station Screen



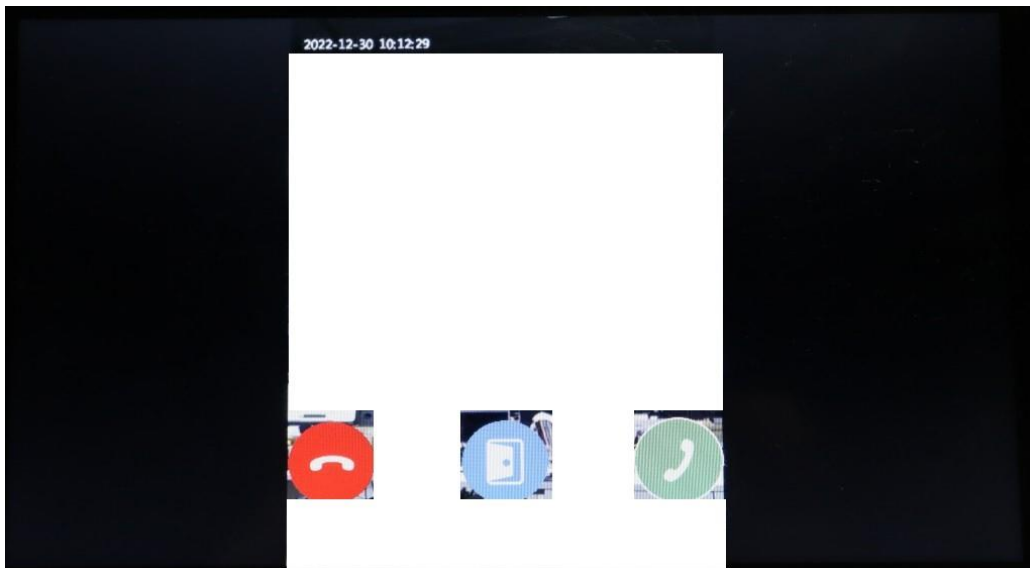
For example, if the room number is 18, then input 18 on the door station screen and then tap **OK** to start calling.

Figure 17 Call a Room Number



The indoor station screen shows an incoming call.

Figure 18 Indoor Station Screen Showing Incoming Call



The three buttons on the screen are used to decline the call, open the door, and answer the call. To open the door, tap the **Unlock** button. To answer the call, tap the **Answer** button.

The door station screen shows different status, depending on whether the indoor station answers the call.

1. The call is answered

After the call is connected, the door and indoor station screens are as shown below:

Figure 19 Door Station Screen

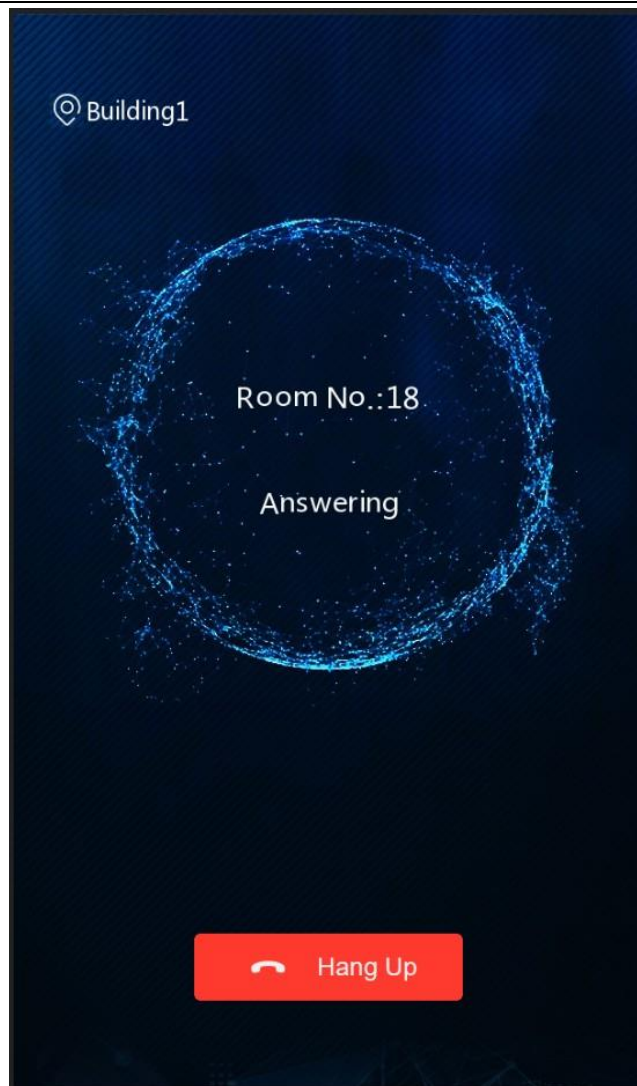
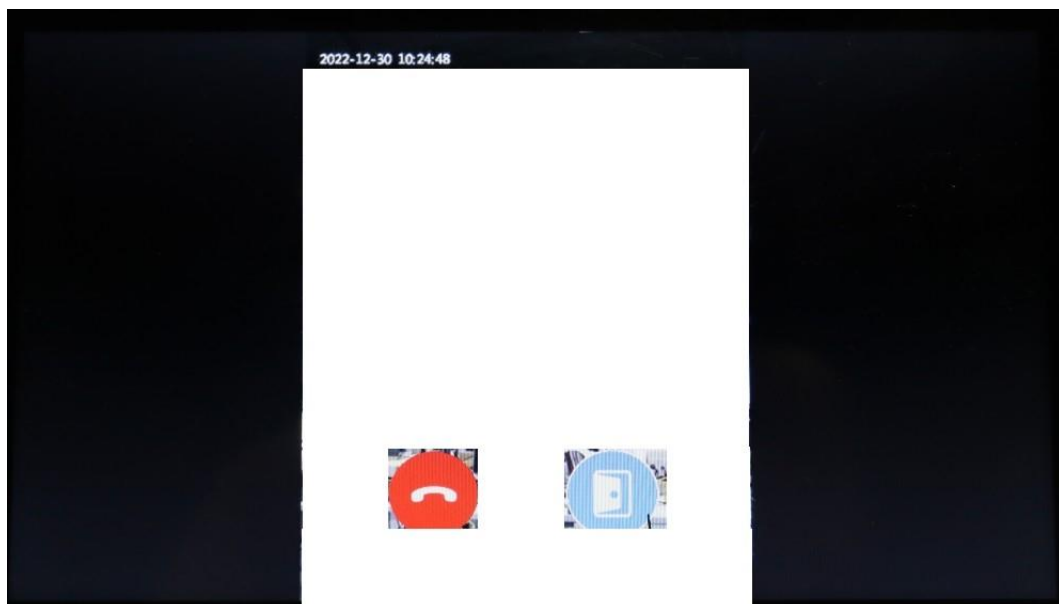


Figure 20 Indoor Station Screen



Tap the **Hang up** button to end the call, or tap the **Unlock** button to open the door.



NOTE: Currently the maximum length of a call is 90s. The call ends automatically when it reaches 90s.

2. The call is declined

The door station displays the home screen after the call is declined by the indoor station.

3. The call timed out

If the indoor station does not answer the call within 60s, the door station automatically ends the call and displays the home screen.

4: Other status

The door station screen displays different messages, depending on the settings and user operation.

Other Messages Displayed on Door Station Screen

Message	Description
Hanging up	This message appears when the door station hangs up before the call is answered. The call is ended in 2s and the door station returns to the home screen.
Unable to connect	This message appears when the door station calls an invalid number. The call is ended in 2s and the door station returns to the home screen.
No answer	This message appears when auto-answer is working on the indoor station. The call is ended in 2s and the door station returns to the home screen.
Unable to connect	This message appears when the door station or the indoor station is disconnected from network. The call is ended in 2s and the door station returns to the home screen.

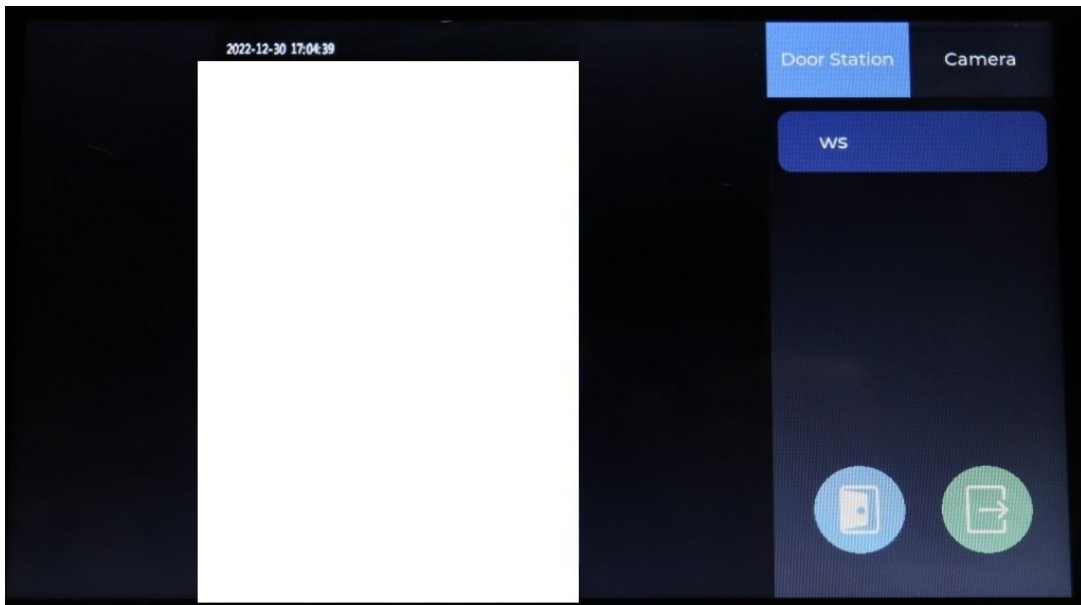


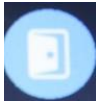
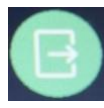
NOTE: Currently an indoor station cannot call another indoor station.

2.3.2 Live View

Tap the **Live View** button to view live video from the door station.

Figure 21 Live Video from Door Station



On the live view screen, you can tap  to open the door, or tap  to exit. If more than one door station is linked to the indoor station, you can choose a door station by tapping the corresponding button on the right-side list, and then tap the **Unlock** button to open the door.

3 Settings

The settings on the indoor station screen include sound settings, display settings, password settings, and activation settings.

3.1 Activation Settings

Activation settings include settings for the indoor station, door station, activation password, and system maintenance.



NOTE!

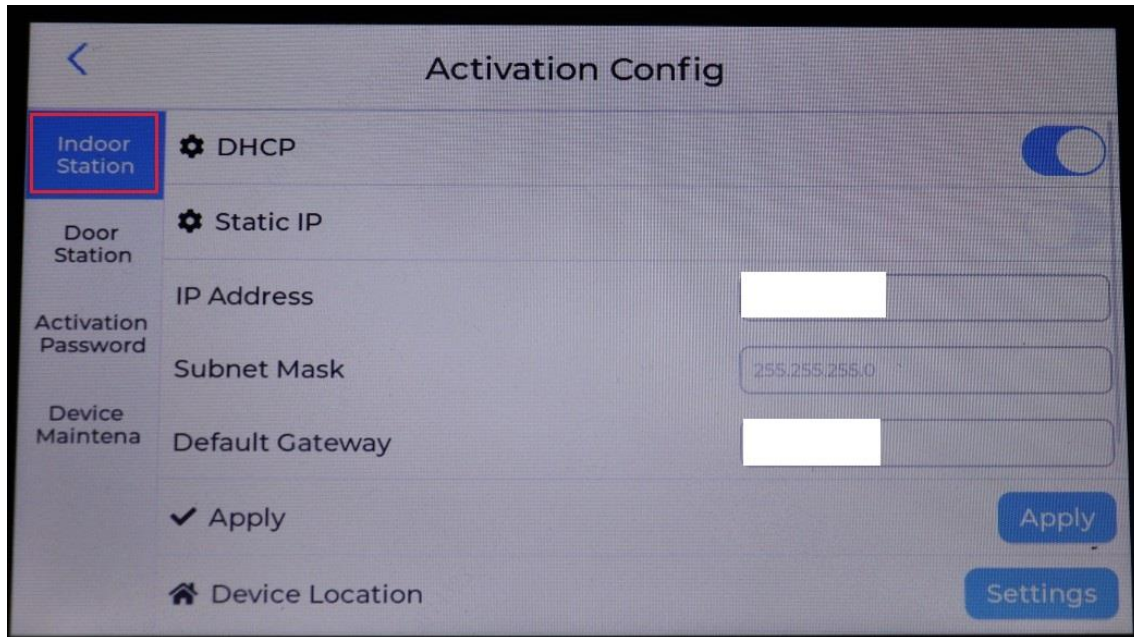
The activation password is required to access the Activation Config screen. The activation password is the Web interface password.

3.1.1 Indoor Station

Set address and location information of the indoor station.

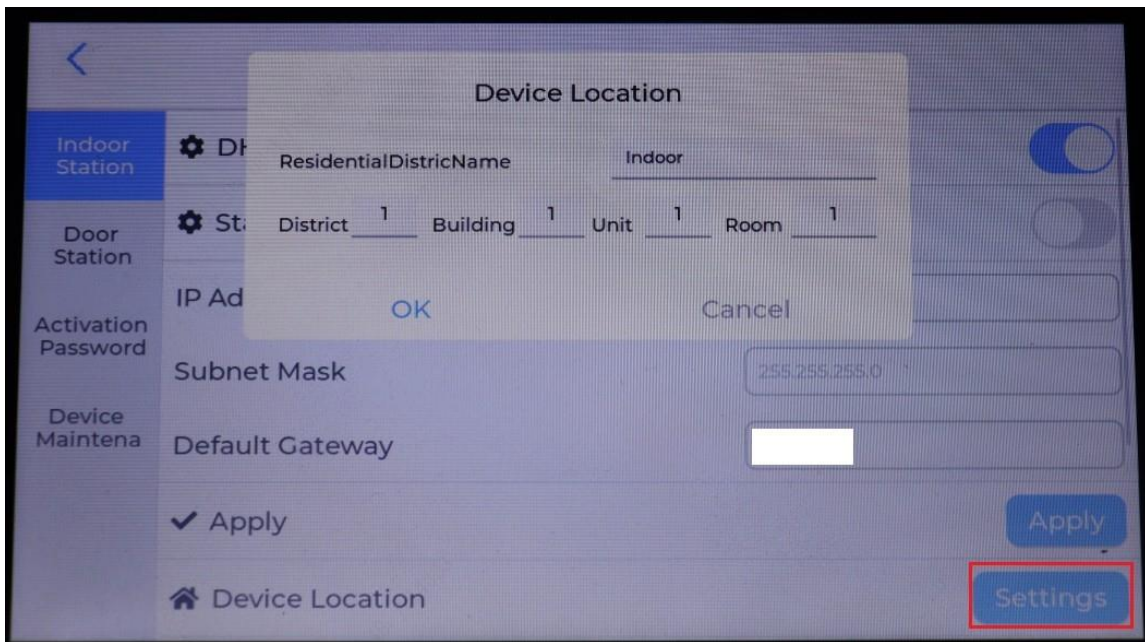
1. Tap the **Settings** button on the home screen, go to **Activation Config > Indoor Station**.

Figure 22 Indoor Station



2. Set address information of the indoor station. You can use DHCP to assign a dynamic IP address or set a static IP address.
 - DHCP: If a DHCP server is configured on the network, it will assign the indoor station an IP address.
 - Static IP: Set a fixed IP address manually for long term use. You also need to set the subnet mask and default gateway.
3. Tap **Apply**. A success message means the settings are saved.
4. Set the location of the indoor station, including residential compound name, phase number, building number, unit number, and room number.

Figure 23 Set Device Location



5. Tap **OK** to save the settings.



NOTE!

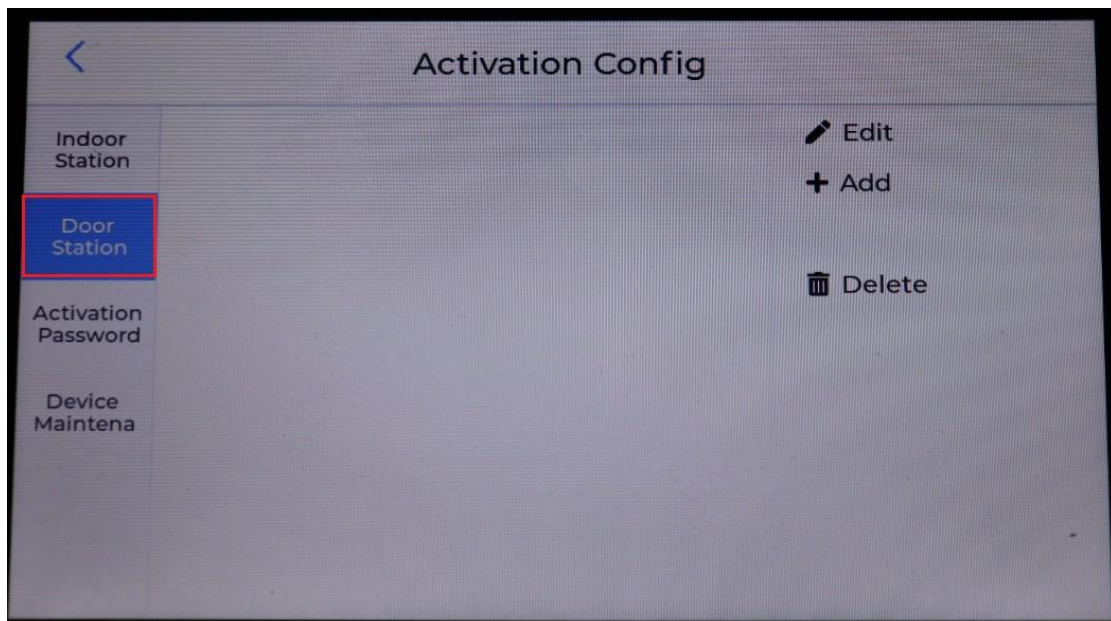
The input location information must be unique and correct for the indoor station to be called successfully.

3.1.2 Door Station

Set a door station so the indoor station can intercom with it and display live video from it (see Live View).

Tap the **Settings** button on the home screen, go to **Activation Config > Door Station**.

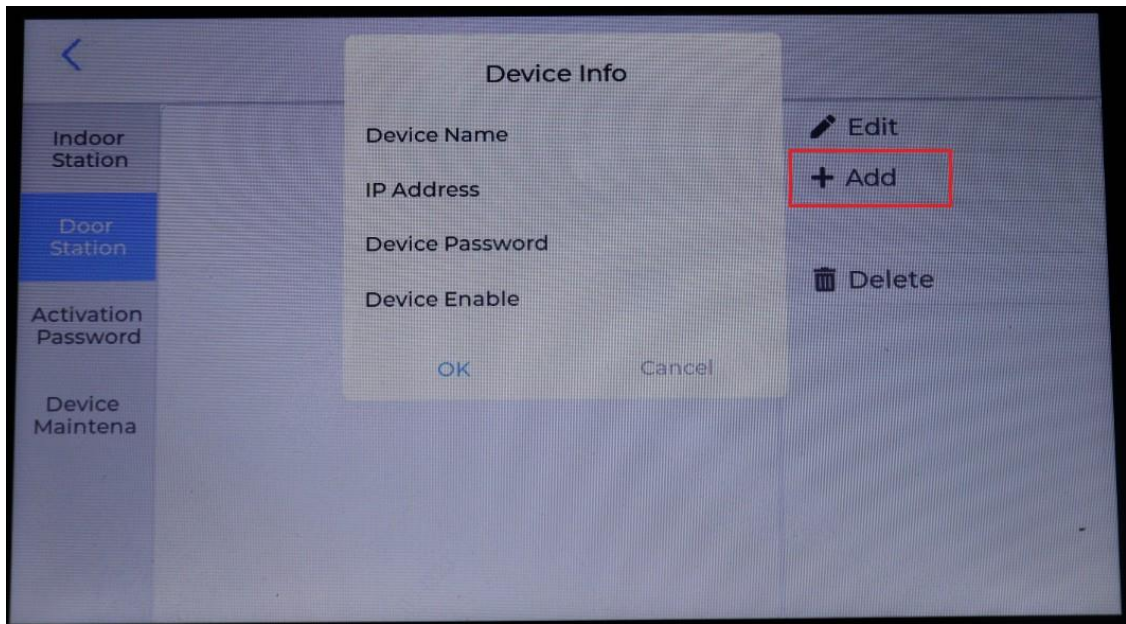
Figure 24 Door Station Activation Config Screen



Add

1. Tap **Add**.
2. Input device information, including the device name, IP, password, and enable the device.
 - Device name: Name of the door station.
 - Device IP: IP address of the door station.
 - Device password: Activation password of the door station.
 - Device Enable: You need to enable the device in order to use the call and live view functions. By default, this setting is disabled.
3. Tap **OK** to save the settings.

Figure 25 Add Door Station



Edit

Select the door station you want to edit, and then tap **Edit**.

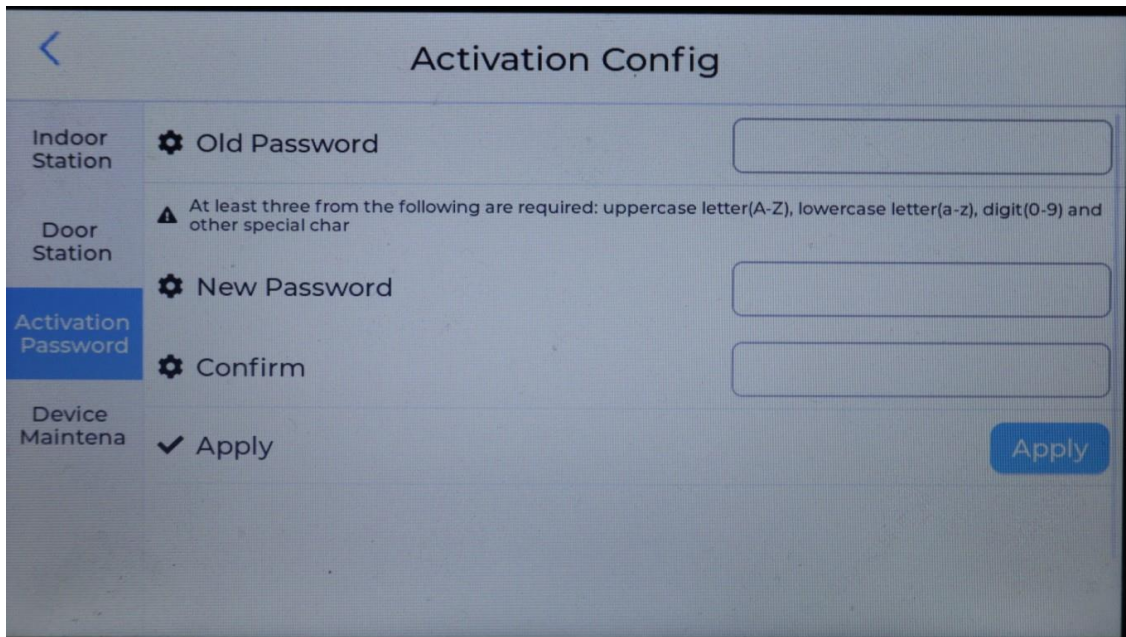
Delete

Select the door station you want to delete, tap **Delete**, and then confirm.

3.1.3 Activation Password

The activation password is required to access the **Activation Config** screen and log in to the Web interface.

Figure 26 Set Activation Password



Follow the steps below to change the activation password on the door station screen. You may also change the password on the Web interface (see the User section).

1. On the home screen, tap **Settings**, go to **Activation Config > Activation Password**.
2. Input the old password, new password, and confirm the new password.
3. Tap **Apply**. A success message means the settings are saved.



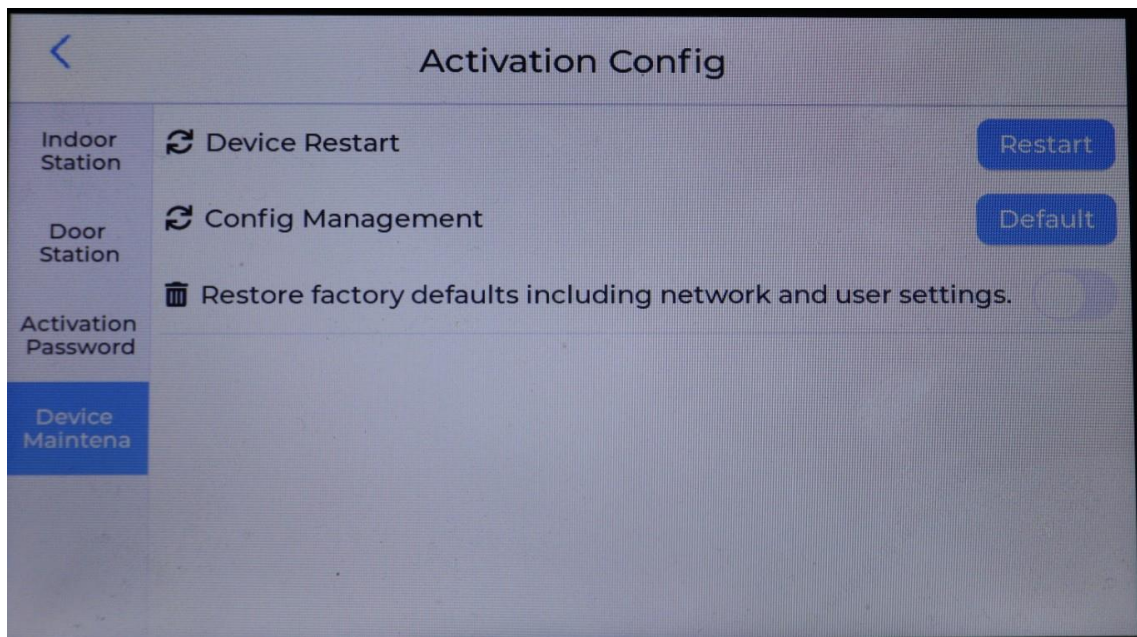
NOTE!

- The password must include at least three types of the following: digits, uppercase letters, lowercase letters, underscores, and hyphens.
- After you change the activation password, the Web interface password for the admin user is changed automatically.
- If you forgot the activation password, you can retrieve it by using the Forgot Password function on the Web interface. See Login > Forgot Password.

3.1.4 System Maintenance

You can restart the indoor station and restore factory defaults on the indoor station screen.

Figure 27 System Maintenance



Follow the steps below to perform system maintenance on the indoor station screen. See the maintenance section for information about system maintenance through the Web interface.

Tap **Settings > Activation Config > System Maintenance**.

- **Device Restart:** Restart the indoor station. Tap **Restart**, and then confirm. The indoor station will restart automatically.
- **Default:** All settings except network and user settings will be restored to factory defaults.



NOTE!

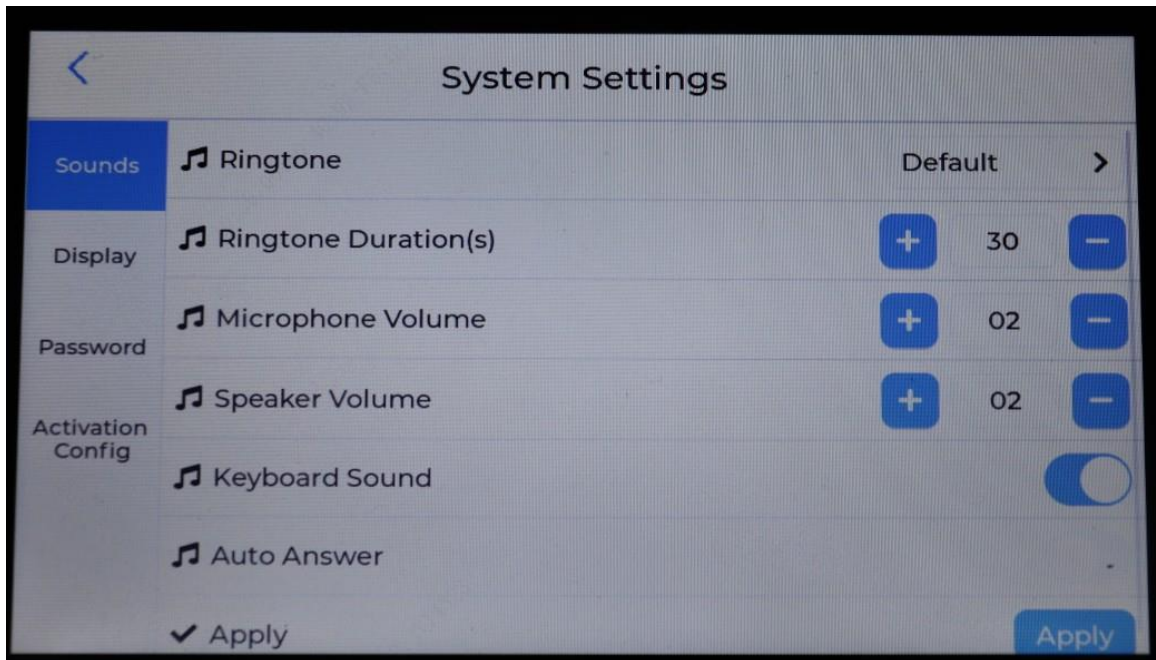
If **Restore factory defaults including network and user settings** is turned on, the system will be restored completely to the initial status.

3.2 Sounds

You can set ringtones and sound volume of the indoor station.

1. Tap the **Settings** button on the home screen, go to **System Settings > Sounds**.

Figure 28 Sound Settings



2. Set sound parameters as needed.

Parameter	Description
Ringtone	The indoor station plays the ringtone when a call comes in. Tap to choose a ringtone. Four options are provided.
Ringtone Duration(s)	Length of time that the ringtone sounds. Range: [0-99]. Default: 30. You can tap + or - to adjust the value.

Microphone Volume	Sound volume of the microphone. Range: [0-10]. Default: 5. You can tap + or - to adjust the value.
Speaker Volume	Sound volume of the speaker. Range: [0-10]. Default: 5. You can tap + or - to adjust the value.
Keyboard Sound	Choose a sound to be played when you press on the indoor station screen. By default, this function is disabled. You can flip the toggle switch to enable it.
Auto Answer	When the door station calls an indoor station, it indicates the called indoor station is busy. By default, this function is disabled. You can flip the toggle switch to enable it.

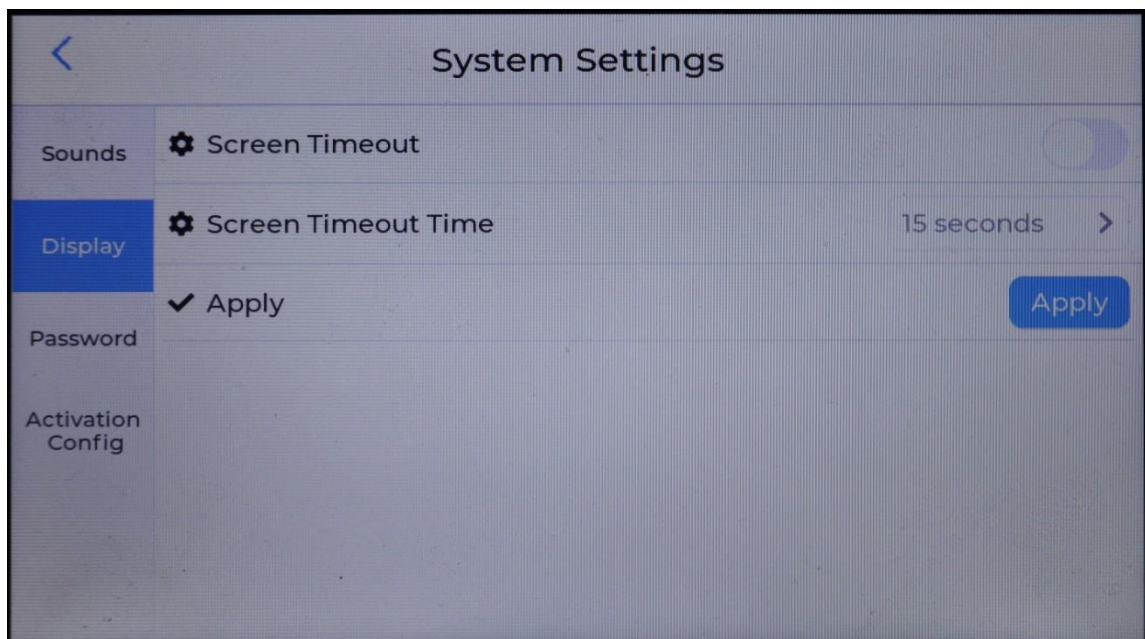
3. Click **Apply**. A success message means the settings are saved.

3.3 Display



Complete the settings so the screen can turn off automatically.

1. Tap the **Settings** button on the screen, go to **System Settings > Display**.

Figure 29 Display Setting



2. Set screen timeout parameters.

Parameter	Description
Screen Timeout	<p>When turned on, the screen turns off automatically if there's no user operation and incoming call during the set time.</p> <p>Off: Default setting. The screen will remain lit.</p> <p> NOTE: User can turn off the screen manually anytime by tapping the Lock Screen button on the home screen.</p>
Screen Timeout Time	<p> NOTE: This setting is activated when Screen Timeout is enabled.</p> <p>If there's no user operation and incoming call during the set time, the screen turns off automatically at the end of the set time.</p> <p>Default: 15s. Options: 15s, 30s, 1m, 2m, 5m, 10m</p>

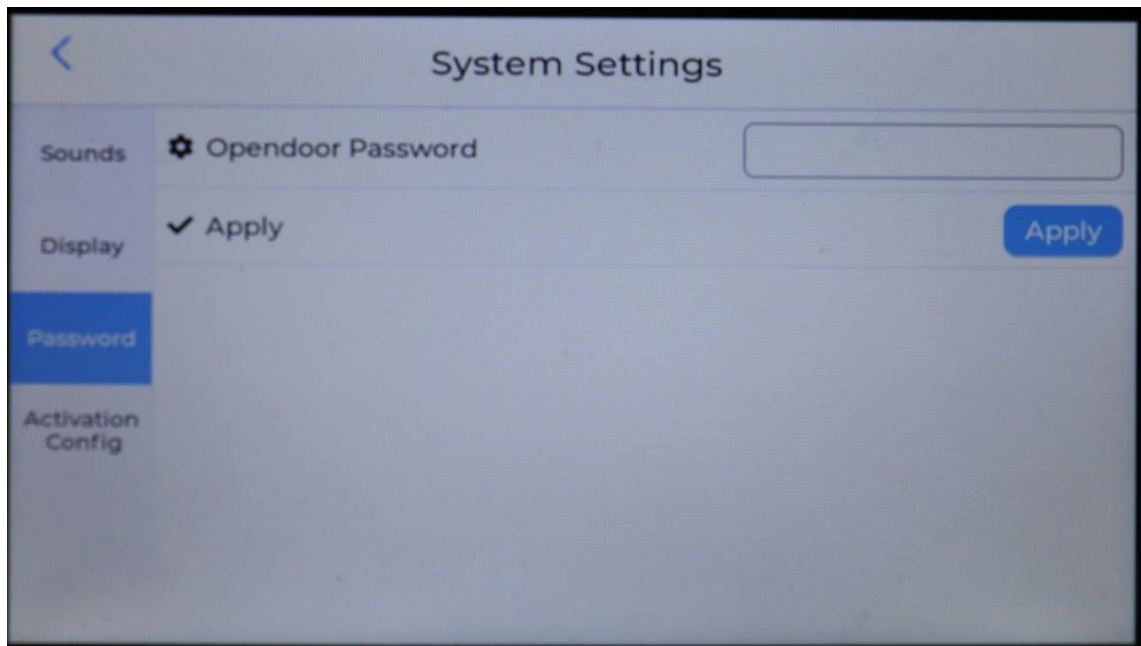
3. Tap **Apply**. A success message means the settings are saved.

3.4 Password

Set the door opening password for the door station.

1. Tap the **Settings** button on the home screen, go to **System Settings > Password**.

Figure 30 Set Password



2. Input the door opening password.
3. Tap **Apply**. A success message means the settings are saved.

4 Lock Screen

Use the **Lock Screen** button to turn off the screen manually to save energy. The screen can be turned off manually or automatically.

4.1.1 Turn Off Manually


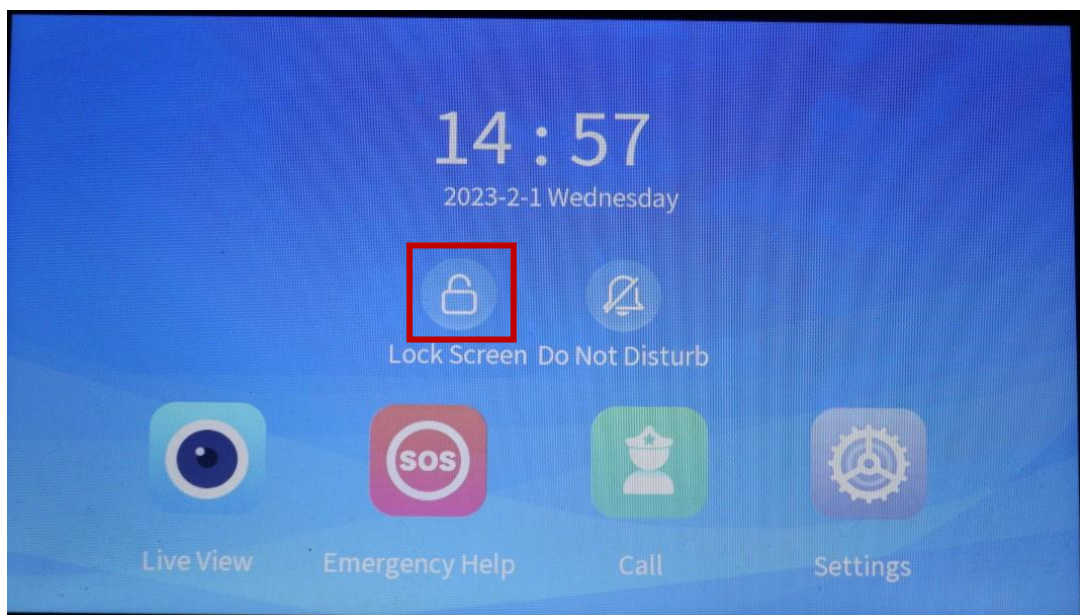
Tap  on the home screen to turn off the screen. Tap again to cancel.

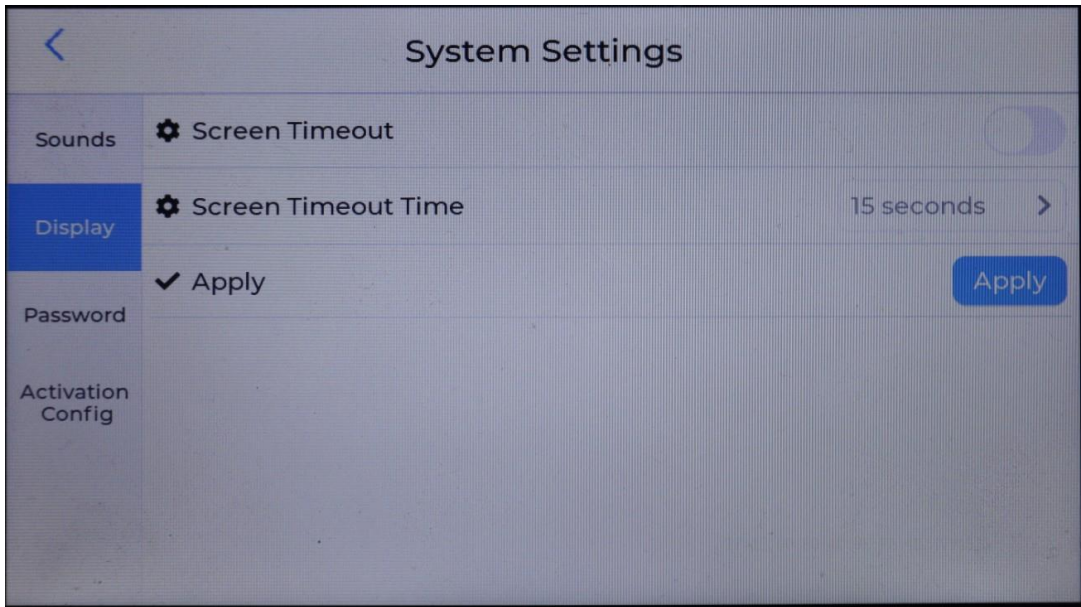
Figure 31 Lock Screen



4.1.2 Turn Off Automatically

Go to **Settings > System Settings > Display**, turn on **Screen Timeout**, set **Screen Timeout Time**, tap **Apply**.

Figure 32 Screen Timeout



5 Do Not Disturb


Tap  to enable **Do Not Disturb**. To disable this function, tap again. When **Do Not Disturb** is on, the indoor station does not sound when a call comes in.

Figure 33 Do Not Disturb Turned Off

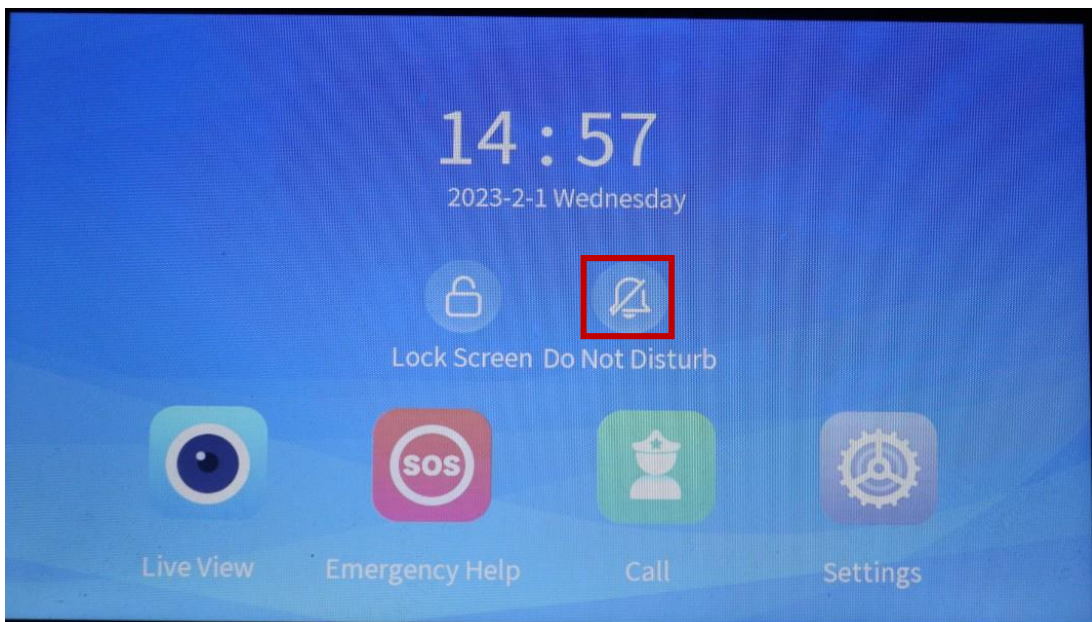
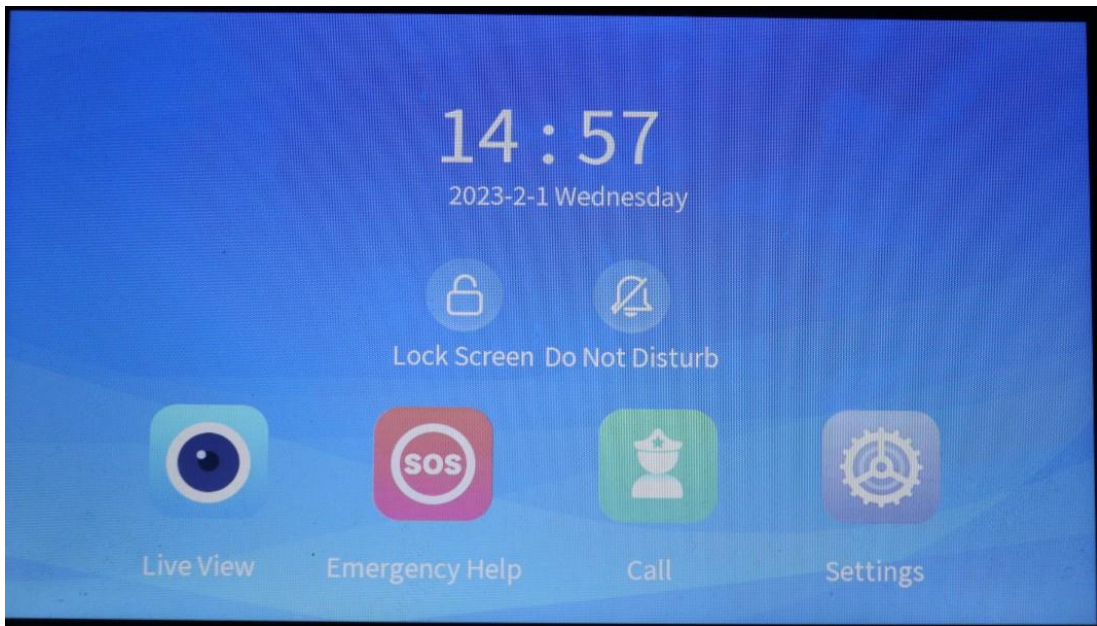


Figure 34 Do Not Disturb Turned On



6 Live View

The indoor station can display live video from a linked door station. Tap the **Live View** button on the screen to view live video.

Figure 35 Live View Button on Indoor Station Screen

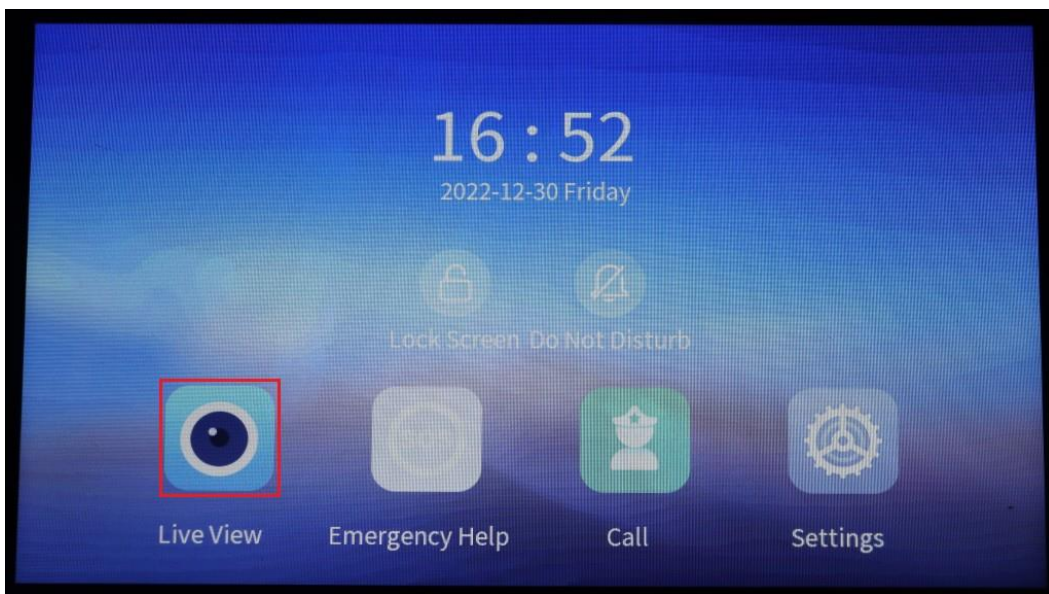
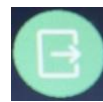
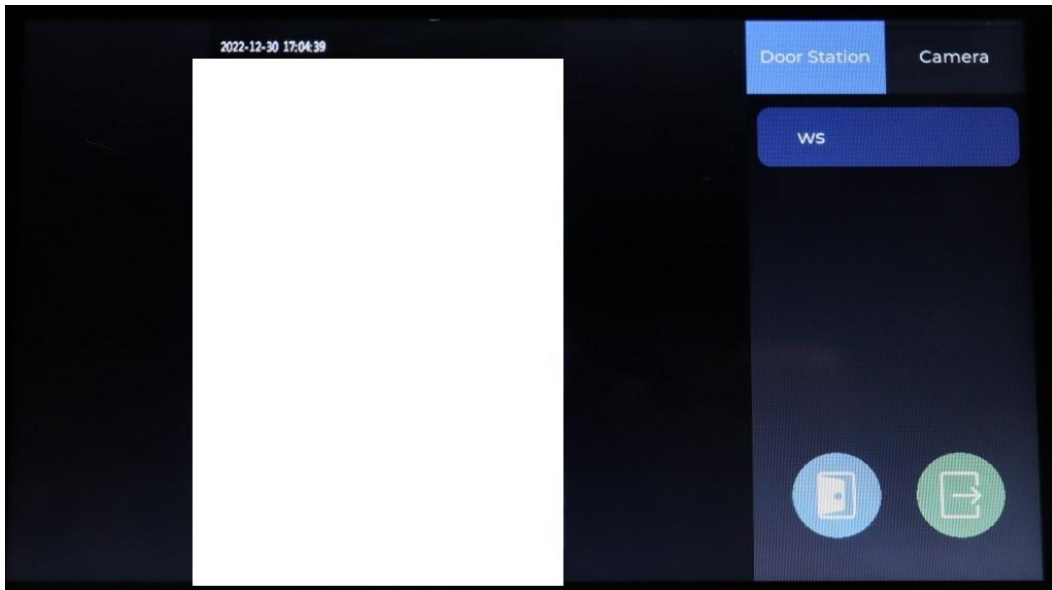

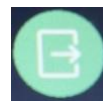


Figure 36 Live video



On the live view screen, tap  to open the door, or tap  to exit the screen. If more than one door station is linked to the indoor station, you can choose a door station by tapping the corresponding button on the right-side list, and then tap the **Unlock** button to open the door.

7 Emergency Help

This function is used to call the external for help in emergency. (This function is currently not available)

8 Call

This function is used to call other indoor stations or the management center. (This function is currently not available)