

Digital VTH (Version 4.8.1)

User Manual








Foreword

This manual introduces the structure and configuration of digital VTH. Read carefully before using the VTH, and keep the manual safe for future reference.

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
 DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
 TIPS	Provides methods to help you solve a problem or save time.
 NOTE	Provides additional information as a supplement to the text.

Revision History

Version	Software Version	Revision Content	Release Time
V1.0.1	V4.800.0000001.0. R	<ul style="list-style-type: none">• Updated DND function.• Added one-click unlock function.• Added SN information.	June 2025
V1.0.0	-	First release.	November 2024

Privacy Protection Notice

As the device user or data controller, you might collect the personal data of others such as their face, audio, fingerprints, and license plate number. You need to be in compliance with your local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures which include but are not limited: Providing clear and visible identification to inform people of the existence of the surveillance area and provide required contact information.

About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.

- We are not liable for losses incurred due to operating the product in ways that are not in compliance with the manual.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper user manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.
- All designs and software are subject to change without prior written notice. Product updates might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.
- There might be errors in the print or deviations in the description of the functions, operations and technical data. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and company names in the manual are properties of their respective owners.
- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Important Safeguard and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, and comply with the guidelines when using it.

Installation Requirements



- Do not connect the power adapter to the device while the adapter is powered on.
- Do not connect the device to two or more kinds of power supplies, to avoid damage to the device.
- Please follow the electrical requirements to power the device.
 - ◇ Following are the requirements for selecting a power adapter.
 - The power supply must conform to the requirements of IEC 60950-1 and IEC 62368-1 standards.
 - The voltage must meet the SELV (Safety Extra Low Voltage) requirements and not exceed ES-1 standards.
 - When the power of the device does not exceed 100 W, the power supply must meet LPS requirements and be no higher than PS2.
 - ◇ We recommend using the power adapter provided with the device.
 - ◇ When selecting the power adapter, the power supply requirements (such as rated voltage) are subject to the device label.



- Personnel working at heights must take all necessary measures to ensure personal safety including wearing a helmet and safety belts.
- Do not place the device in a place exposed to sunlight or near heat sources.
- Keep the device away from dampness, dust, and soot.
- Install the device on a stable surface to prevent it from falling.
- Install the device in a well-ventilated place, and do not block its ventilation.
- Use an adapter or cabinet power supply provided by the manufacturer.
- Use the power cords that are recommended for the region and conform to the rated power specifications.
- The device is a class I electrical appliance. Make sure that the power supply of the device is connected to a power socket with protective earthing.
- The device must be installed at a height of 2 meters or below.

Operation Requirements



Battery Pack Precautions

Preventive measures (including but not limited to):

- Do not transport, store or use the batteries in high altitudes with low pressure and environments with extremely high and low temperatures.

- Do not dispose the batteries in fire or a hot oven, or mechanically crush or cut the batteries to avoid an explosion.
- Do not leave the batteries in environments with extremely high temperatures to avoid explosions and leakage of flammable liquid or gas.
- Do not subject the batteries to extremely low air pressure to avoid explosions and the leakage of flammable liquid or gas.



- Check whether the power supply is correct before use.
- Do not unplug the power cord on the side of the device while the adapter is powered on.
- Operate the device within the rated range of power input and output.
- Transport, use and store the device under allowed humidity and temperature conditions.
- If the device is powered off for longer than a month, it should be placed in its original package and sealed. Make sure to keep it away from moisture, and store it under allowed humidity and temperature conditions.
- Do not drop or splash liquid onto the device, and make sure that there is no object filled with liquid on the device to prevent liquid from flowing into it.
- Do not disassemble the device without professional instruction.

Table of Contents

Foreword.....	I
Important Safeguard and Warnings.....	III
1 Product Overview.....	1
1.1 Front Panel.....	1
1.1.1 VTH2421F Series.....	1
1.1.2 VTH2611L/2612L Series.....	2
1.1.3 VTH2621G/VTH2622G Series.....	3
1.1.4 VTH5221D Series.....	4
1.1.5 VTH5241D Series.....	5
1.1.6 VTH5421E Series.....	6
1.1.7 VTH5421H/VTH5422H Series.....	7
1.1.8 VTH5441G Series.....	8
1.1.9 VTH8621K/VTH8622K/VTH8641K/VTH8642K Series.....	9
1.2 Rear Panel.....	9
1.2.1 VTH2421F Series.....	10
1.2.2 VTH2611L/2612L Series.....	11
1.2.3 VTH2621G Series.....	12
1.2.4 VTH2622G Series.....	13
1.2.5 VTH5221D Series.....	14
1.2.6 VTH5241D Series.....	15
1.2.7 VTH5421E Series.....	16
1.2.8 VTH5421H/VTH5422H Series.....	17
1.2.9 VTH5441G Series.....	19
1.2.10 VTH8621K/VTH8622K Series.....	20
1.2.11 VTH8641K/VTH8642K Series.....	21
1.3 Alarm Port.....	22
1.4 Function.....	22
2 VTH Initialization.....	24
2.1 Initialization through the Device.....	24
2.2 Initialization through the ConfigTool.....	30
2.3 Initialization through the DoLink Care.....	30
3 VTH Screen Operation.....	32
3.1 Home Screen.....	32
3.2 Editing Home Screen.....	33
3.3 Call.....	34
3.3.1 Call Log.....	35
3.3.2 Contacts.....	35

3.3.3	Calling User.....	37
3.3.4	Call from User.....	39
3.3.5	Call from VTO.....	40
3.3.6	Calling DMSS.....	42
3.4	Information.....	43
3.4.1	Security Alarm.....	43
3.4.2	Publish Information.....	44
3.4.3	Visitor Message.....	45
3.4.4	Video Pictures.....	45
3.4.5	Auto Capture.....	46
3.5	Monitor.....	47
3.5.1	Monitoring VTO.....	47
3.5.2	Monitoring IPC.....	49
3.5.3	Favorites.....	52
3.6	Setting.....	53
3.6.1	Call Settings.....	53
3.6.2	Alarm Setting.....	59
3.6.3	Card Management.....	64
3.6.4	WLAN.....	65
3.6.5	Mode Setting.....	66
3.6.6	General Setting.....	67
3.6.7	System Information.....	75
3.7	Project Settings.....	76
3.7.1	Forget Password.....	76
3.7.2	Network Settings.....	77
3.7.3	Configuring VTH.....	78
3.7.4	Configuring VTO.....	80
3.7.5	Searching Devices.....	82
3.7.6	Configuring SIP Server.....	83
3.7.7	Factory Settings or Reset.....	85
3.8	QR Code.....	86
3.9	Arm and Disarm Function.....	87
3.9.1	Arm.....	87
3.9.2	Disarm.....	88
3.10	Property Management.....	88
3.11	Unlock Function.....	89
3.12	Cloud Update.....	89
Appendix 1	Security Recommendation.....	90

1 Product Overview



The following front and rear panel figures are for reference only.

1.1 Front Panel

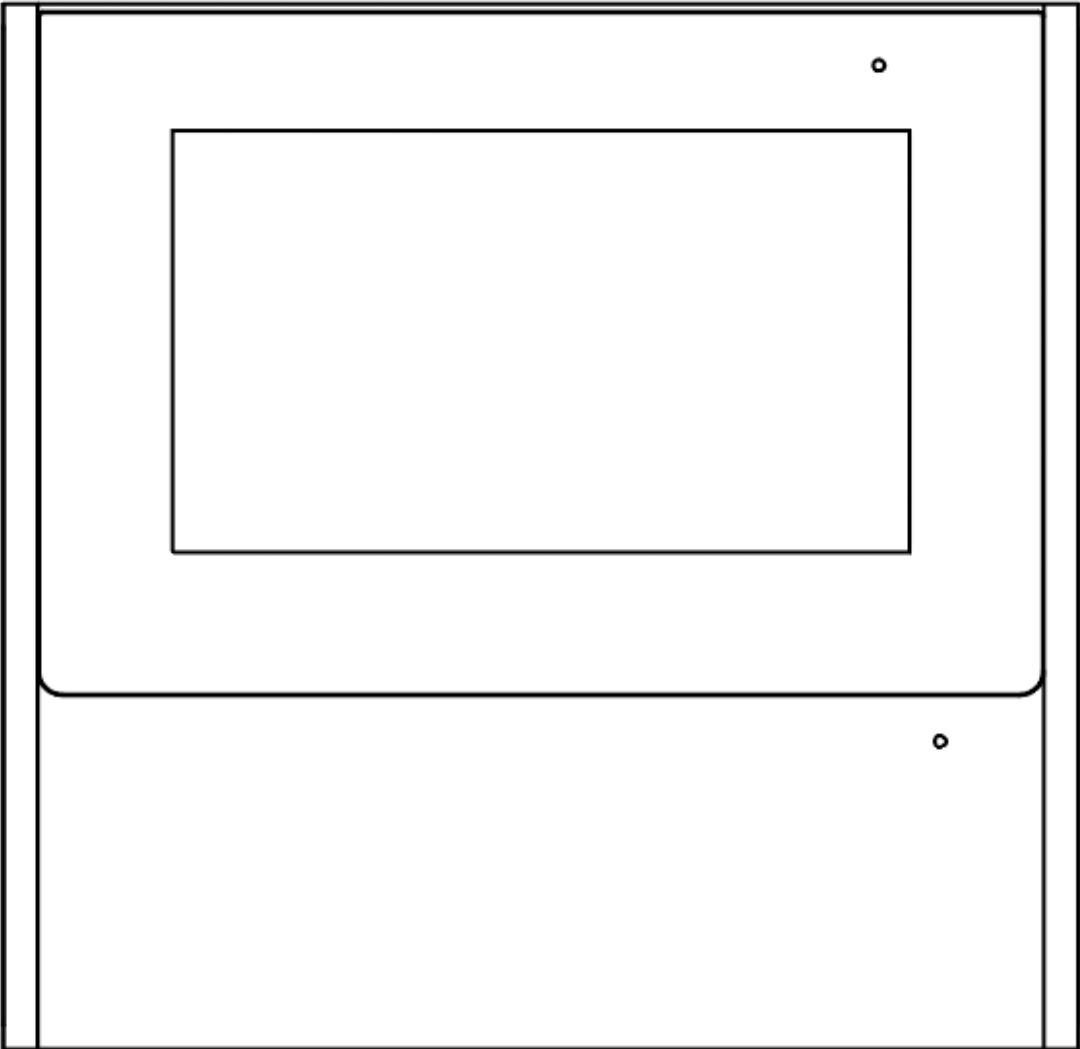
1.1.1 VTH2421F Series

Figure 1-1 Front panel



1.1.2 VTH2611L/2612L Series

Figure 1-2 Front panel



1.1.3 VTH2621G/VTH2622G Series

Figure 1-3 Front panel



1.1.4 VTH5221D Series

Figure 1-4 Front panel

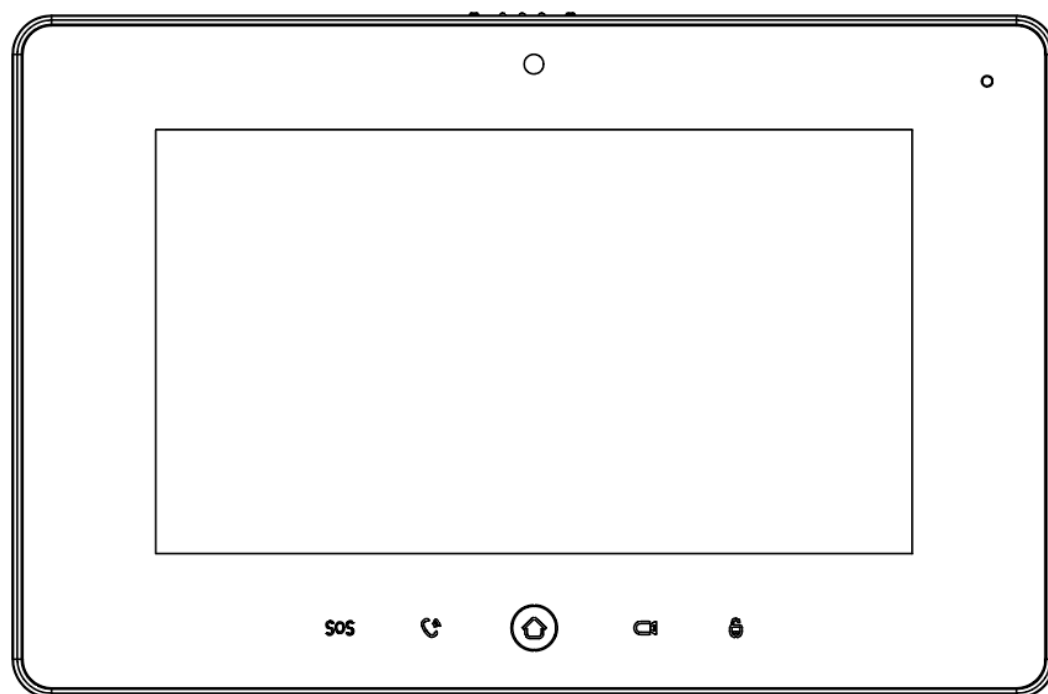






Table 1-1 Icon description

Icon	Name	Description
SOS	SOS	Emergency call.
	Call	<ul style="list-style-type: none">• Answer call.• During call, press to hang up.• During monitoring, press to speak to unit VTO, villa VTO, fence station and second confirmation station.• During speaking, press to exit speaking.
	Menu	Go to main menu.
	Monitor	<ul style="list-style-type: none">• In standby mode, press to monitor the main VTO.• During monitoring, press to exit monitoring.
	Unlock	When calling, talking, monitoring and speaking to VTO, press to unlock corresponding VTO.

1.1.5 VTH5241D Series

Figure 1-5 Front panel

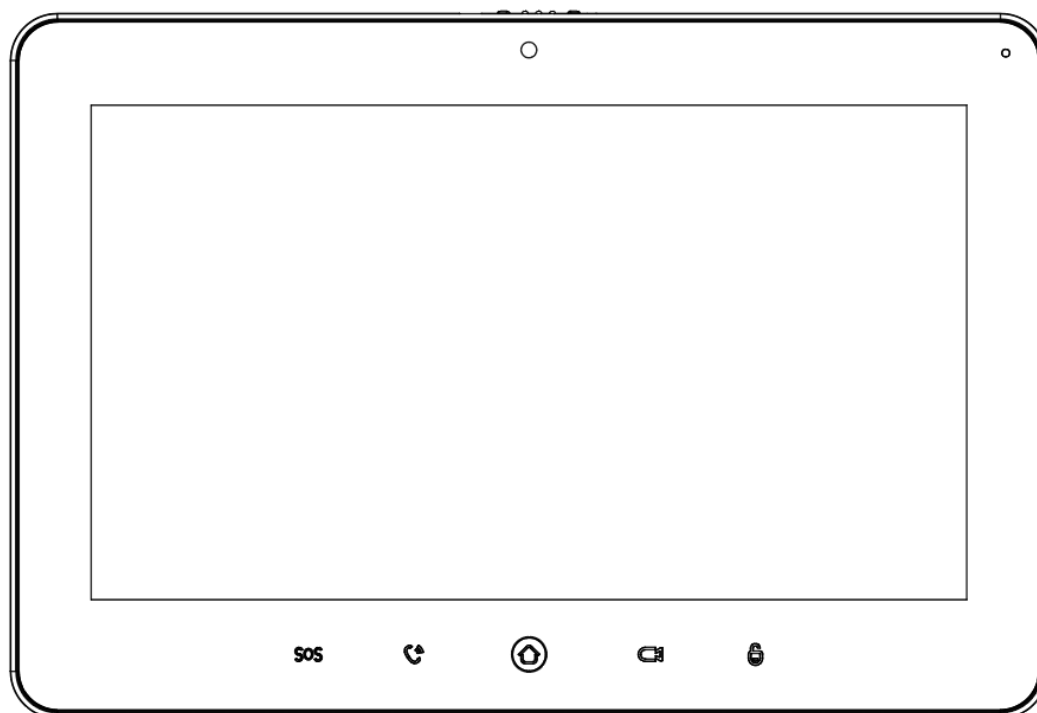




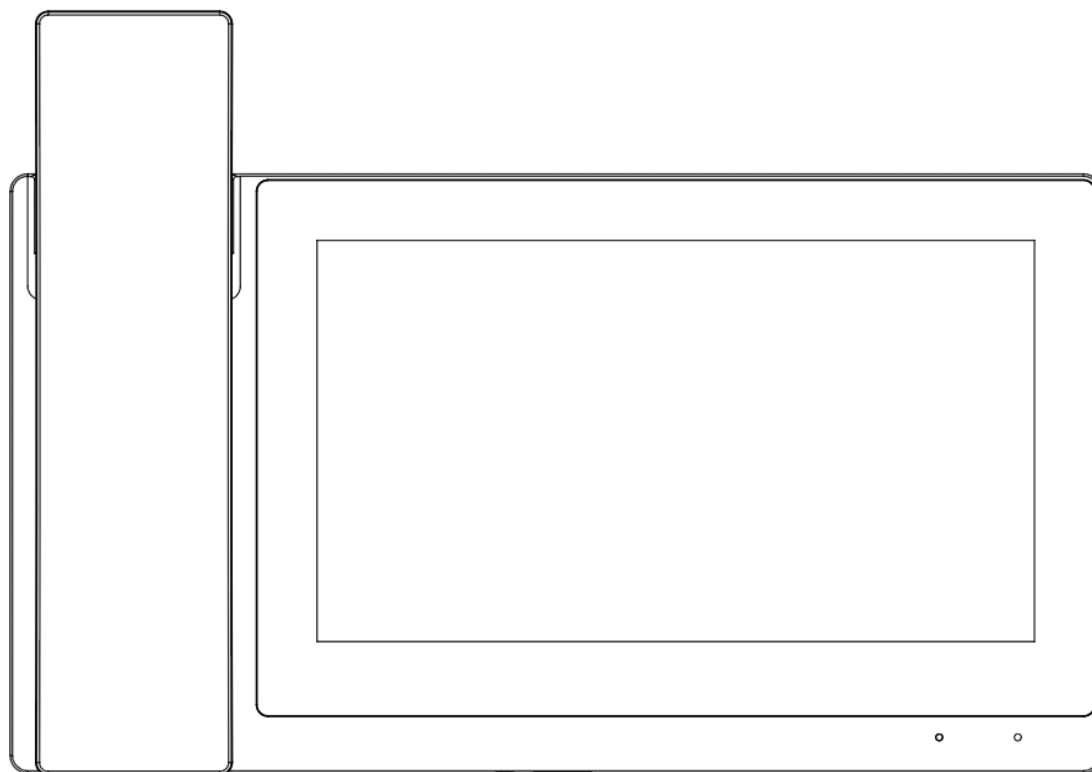


Table 1-2 Icon description

Icon	Name	Description
SOS	SOS	Emergency call.
	Call	<ul style="list-style-type: none">• Answer call.• During call, press to hang up.• During monitoring, press to speak to unit VTO, villa VTO, fence station and second confirmation station.• During speaking, press to exit speaking.
	Menu	Go to main menu.
	Monitor	<ul style="list-style-type: none">• In standby mode, press to monitor the main VTO.• During monitoring, press to exit monitoring.
	Unlock	When calling, talking, monitoring and speaking to VTO, press to unlock corresponding VTO.

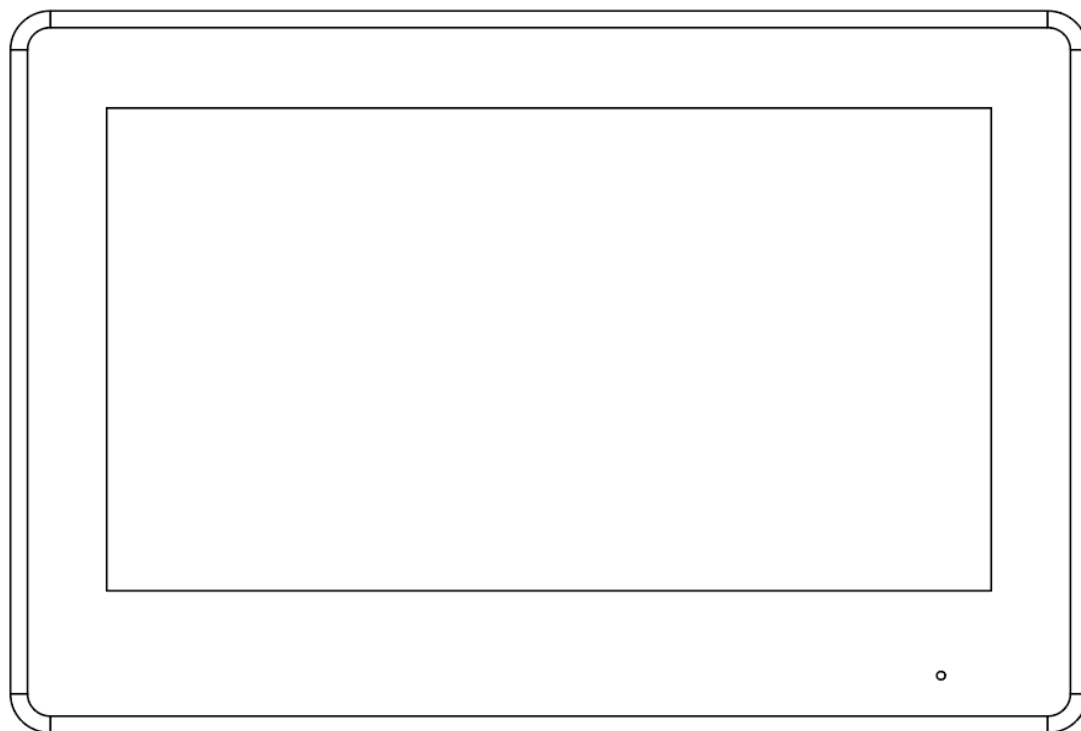
1.1.6 VTH5421E Series

Figure 1-6 Front panel



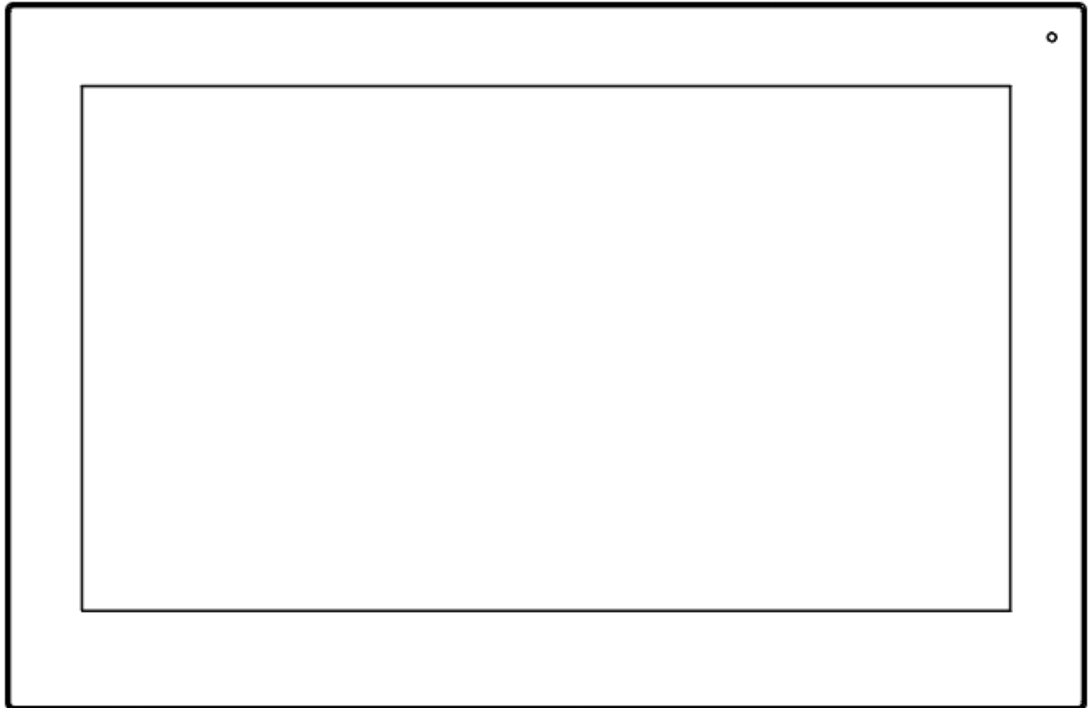
1.1.7 VTH5421H/VTH5422H Series

Figure 1-7 Front panel



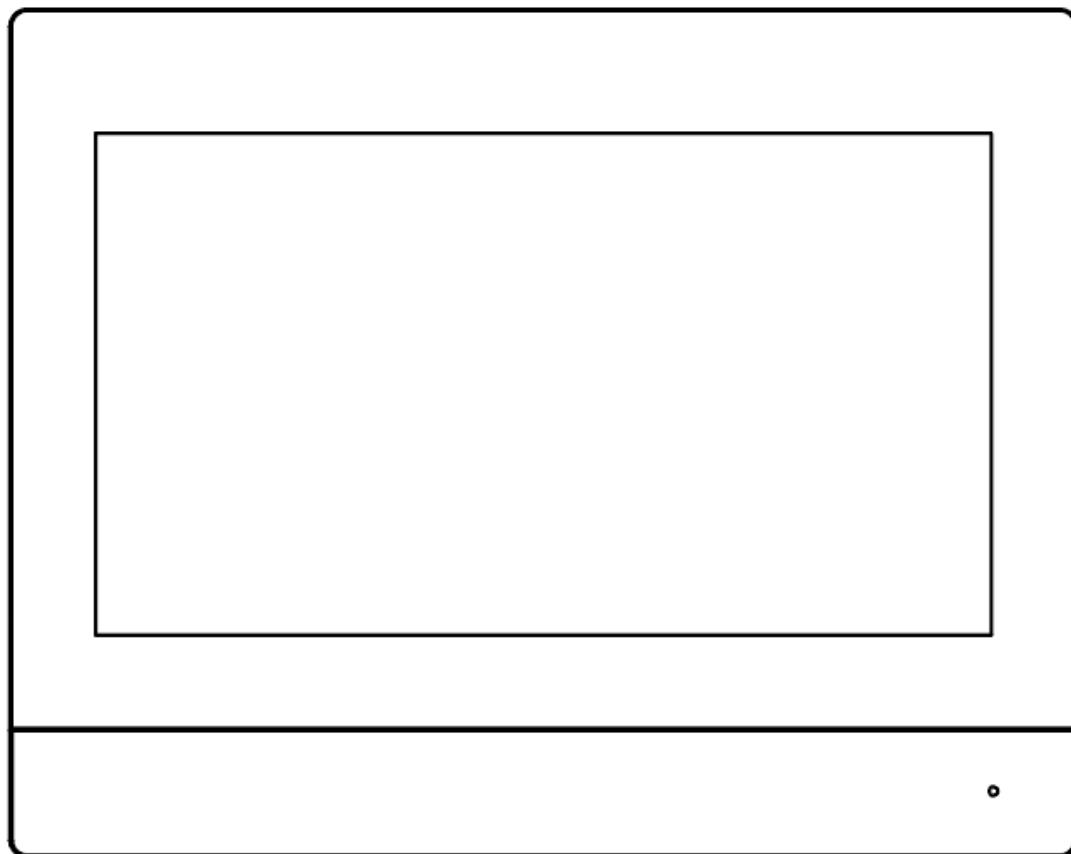
1.1.8 VTH5441G Series

Figure 1-8 Front panel



1.1.9 VTH8621K/VTH8622K/VTH8641K/VTH8642K Series

Figure 1-9 Front panel



1.2 Rear Panel

Port positions at the rear panel may differ depending on the actual product. For details about the alarm port, see "1.3 Alarm Port".

1.2.1 VTH2421F Series

Figure 1-10 Rear panel

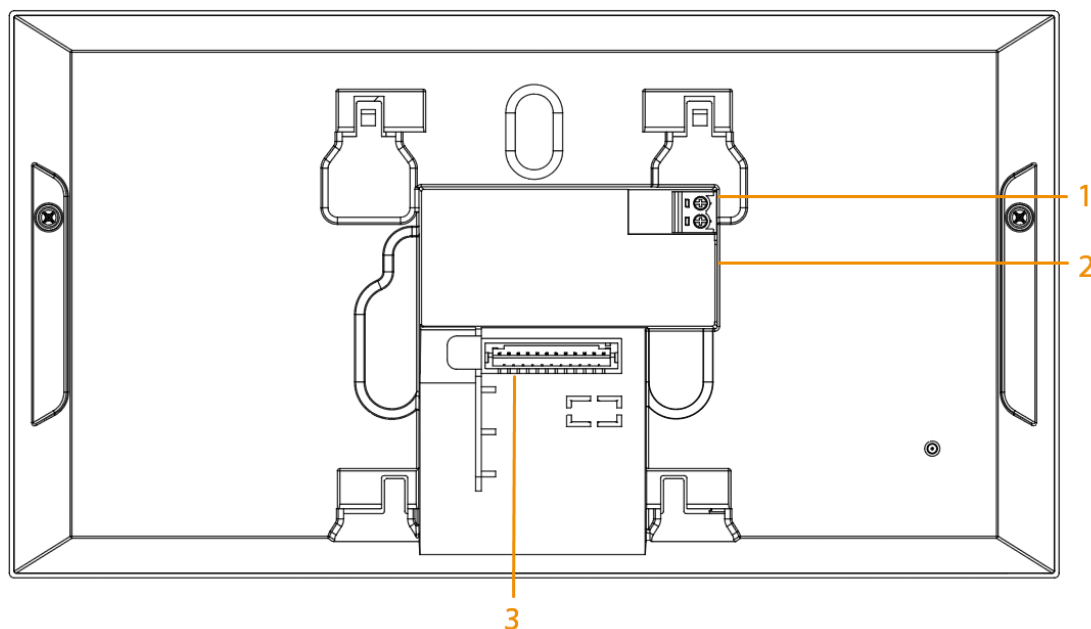


Table 1-3 Rear panel description

No.	Port
1	Power port
2	Network port
3	Alarm port

1.2.2 VTH2611L/2612L Series

Figure 1-11 Rear panel

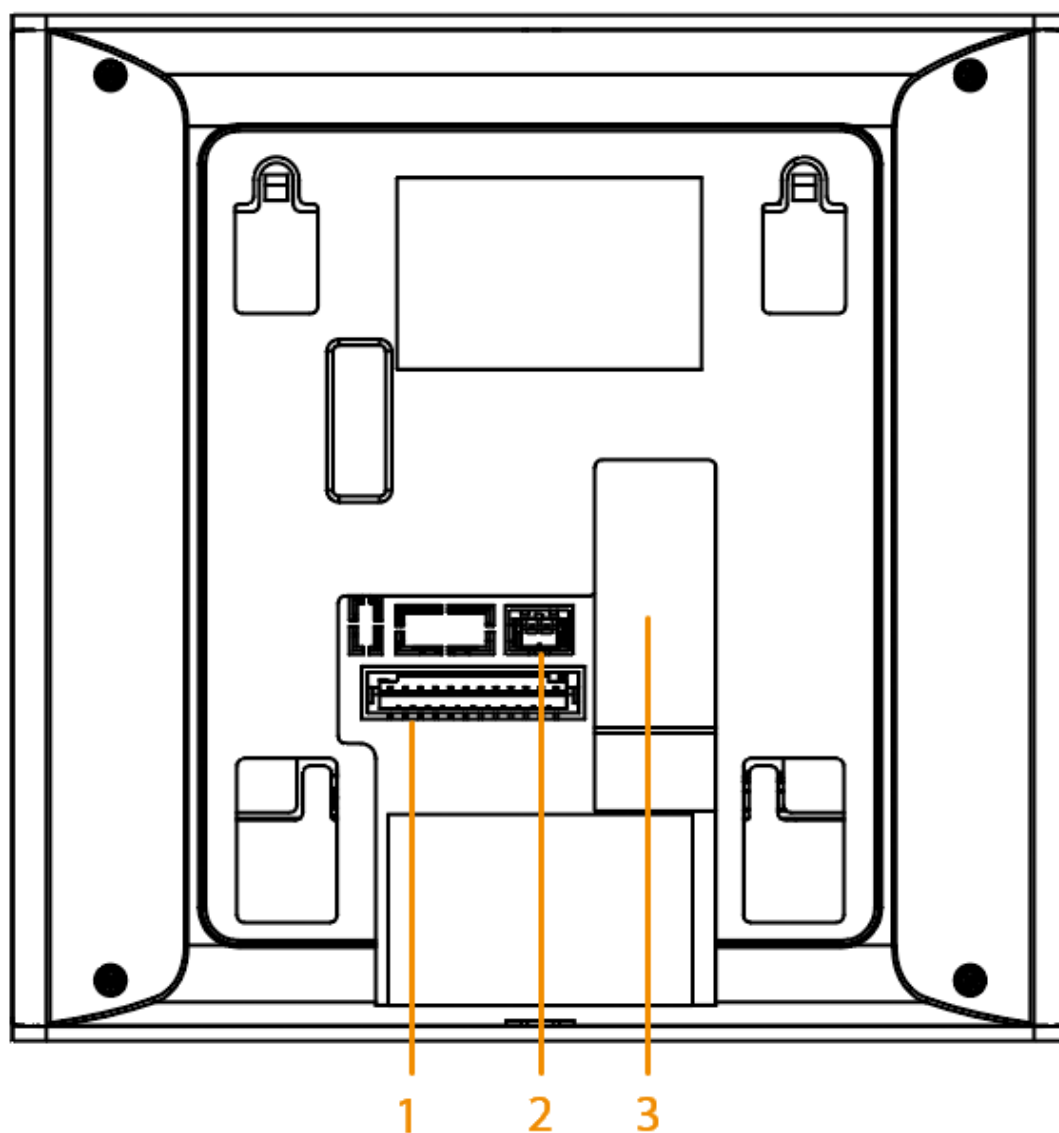


Table 1-4 Rear panel description

No.	Port
1	Alarm port
2	<ul style="list-style-type: none">• 2611L: Power input port• 2612L: 2-wire port
3	Network port

1.2.3 VTH2621G Series

Figure 1-12 Rear panel (non 2-wire)

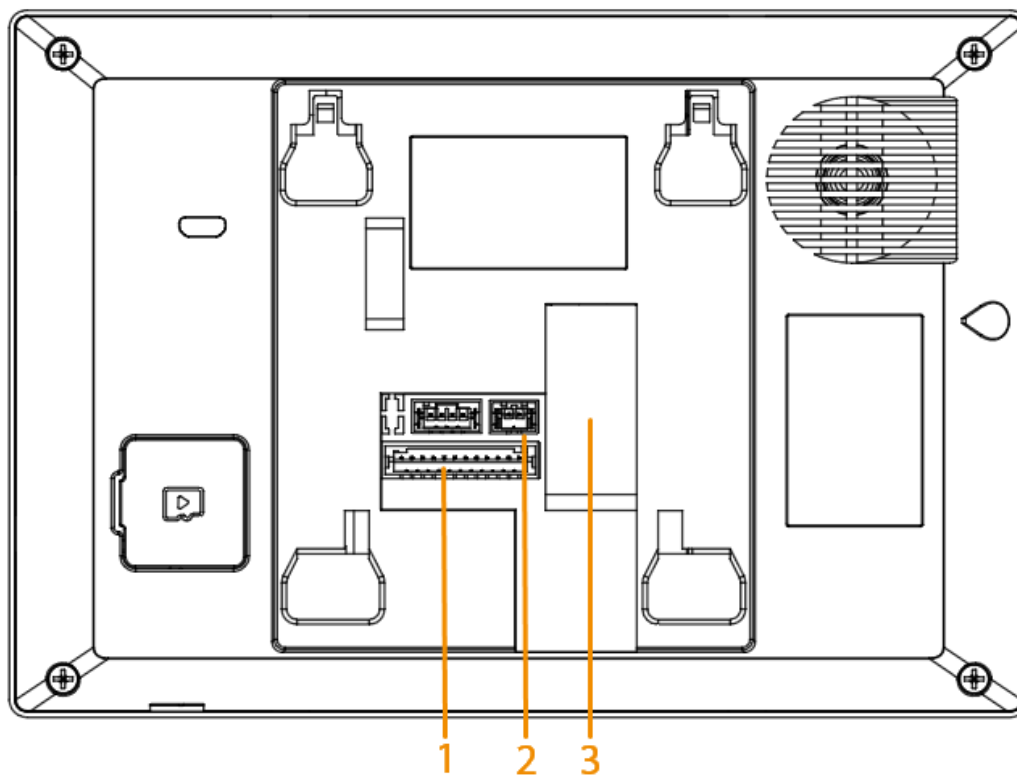


Table 1-5 Rear panel description

No.	Port
1	Alarm port
2	Power input port
3	Network port

1.2.4 VTH2622G Series

Figure 1-13 Rear panel (2-wire)

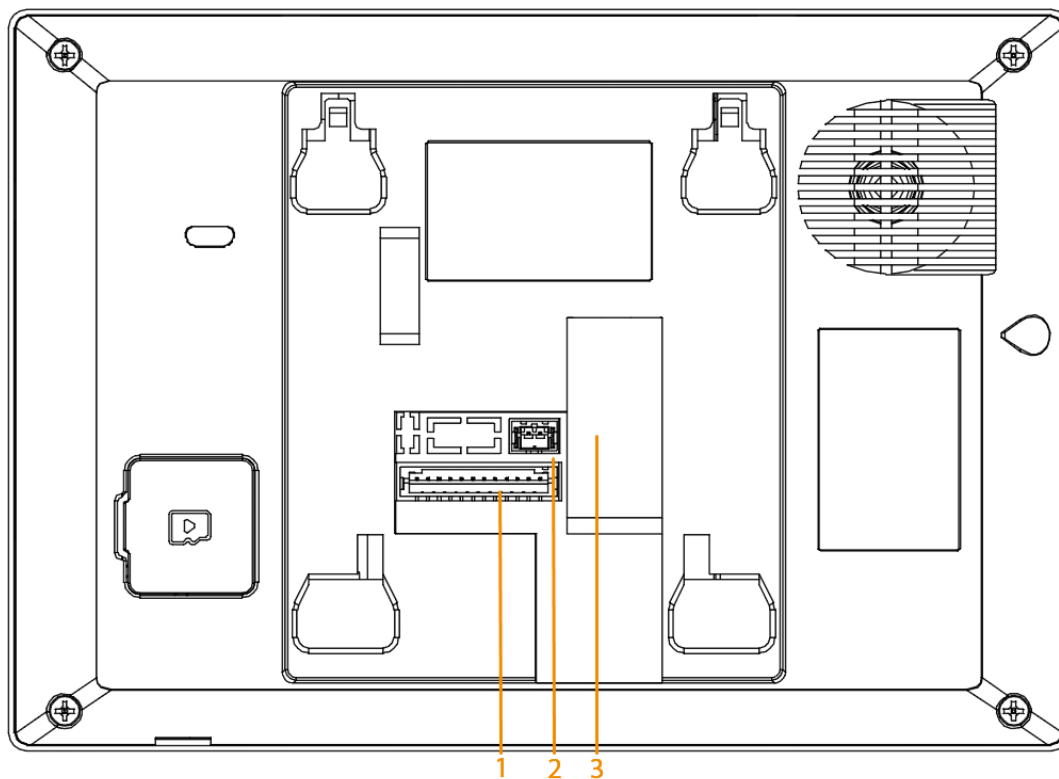


Table 1-6 Rear panel description

No.	Port
1	Alarm port
2	2-wire port
3	Network port

1.2.5 VTH5221D Series

Figure 1-14 Rear panel

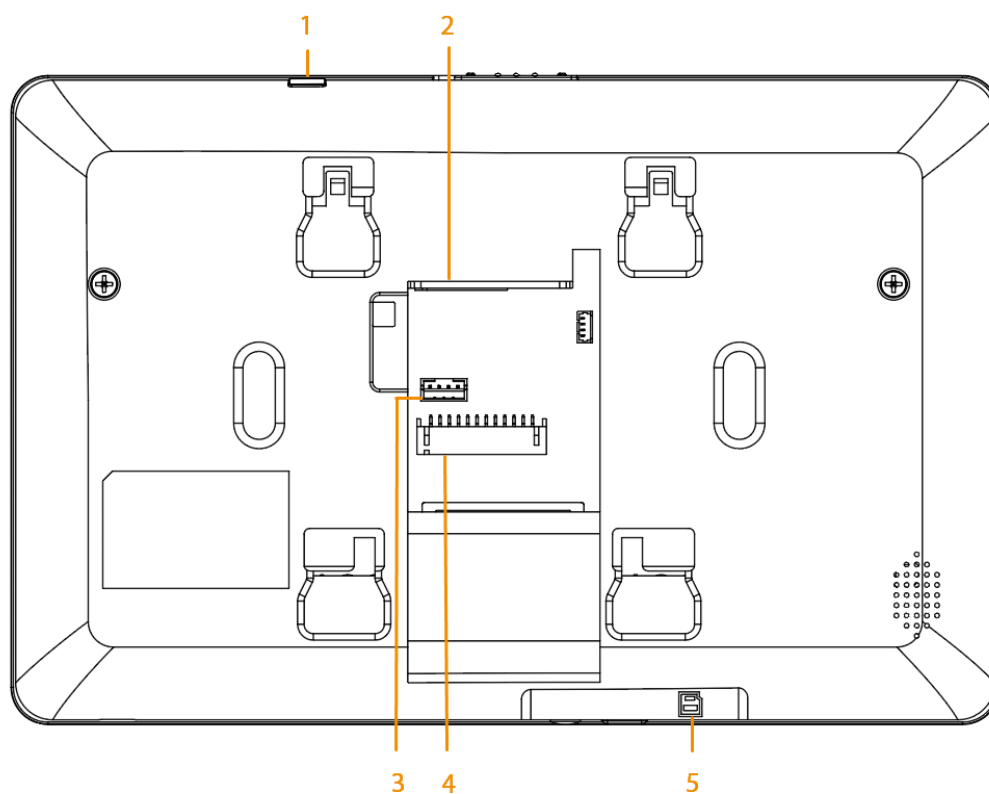
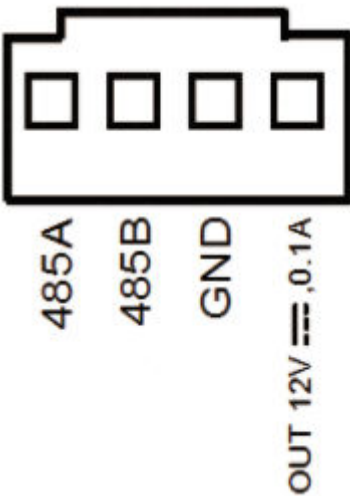


Table 1-7 Rear panel description

No.	Port
1	Reset button
2	Network port
3	RS-485 extended port
4	Alarm port
5	SD card slot

Figure 1-15 RS-485 extended port



1.2.6 VTH5241D Series

Figure 1-16 Rear panel

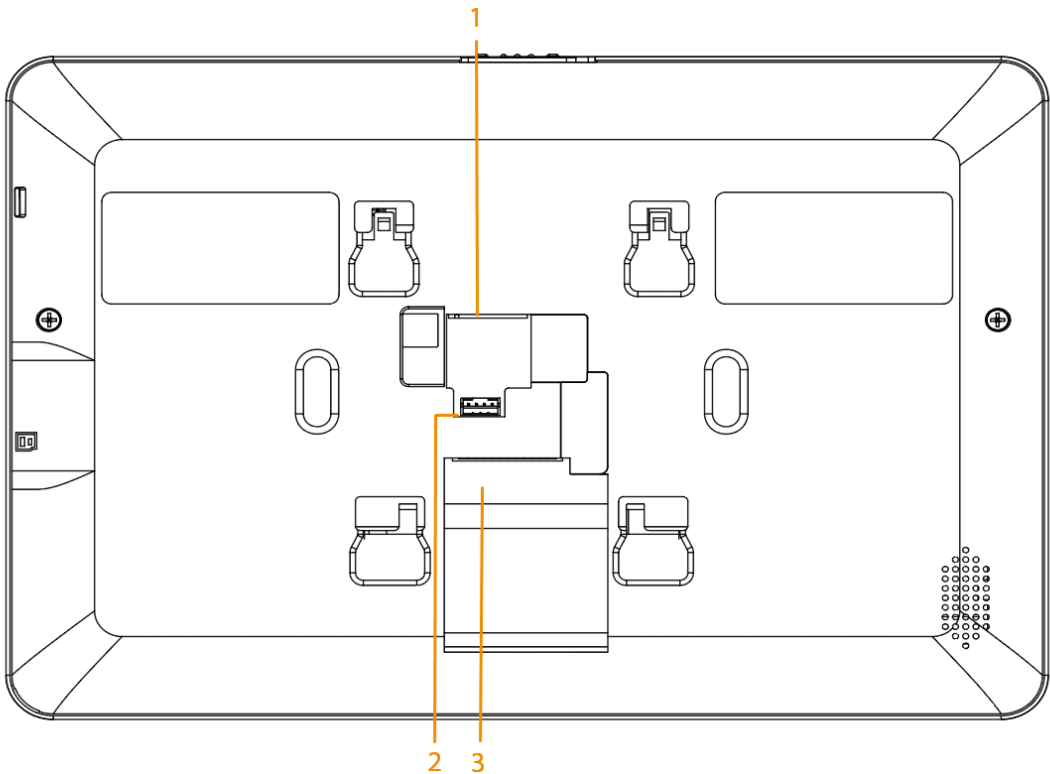
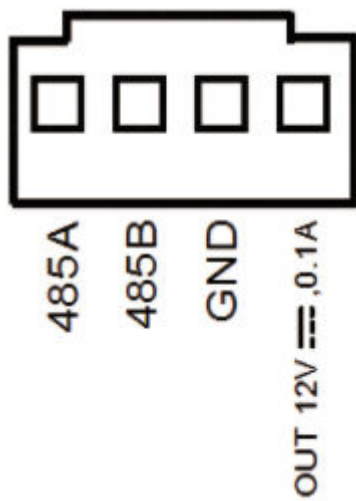


Table 1-8 Rear panel description

No.	Port
1	Network port
2	RS-485 extended port
3	Alarm port

Figure 1-17 RS-485 extended port



1.2.7 VTH5421E Series

Figure 1-18 Rear panel

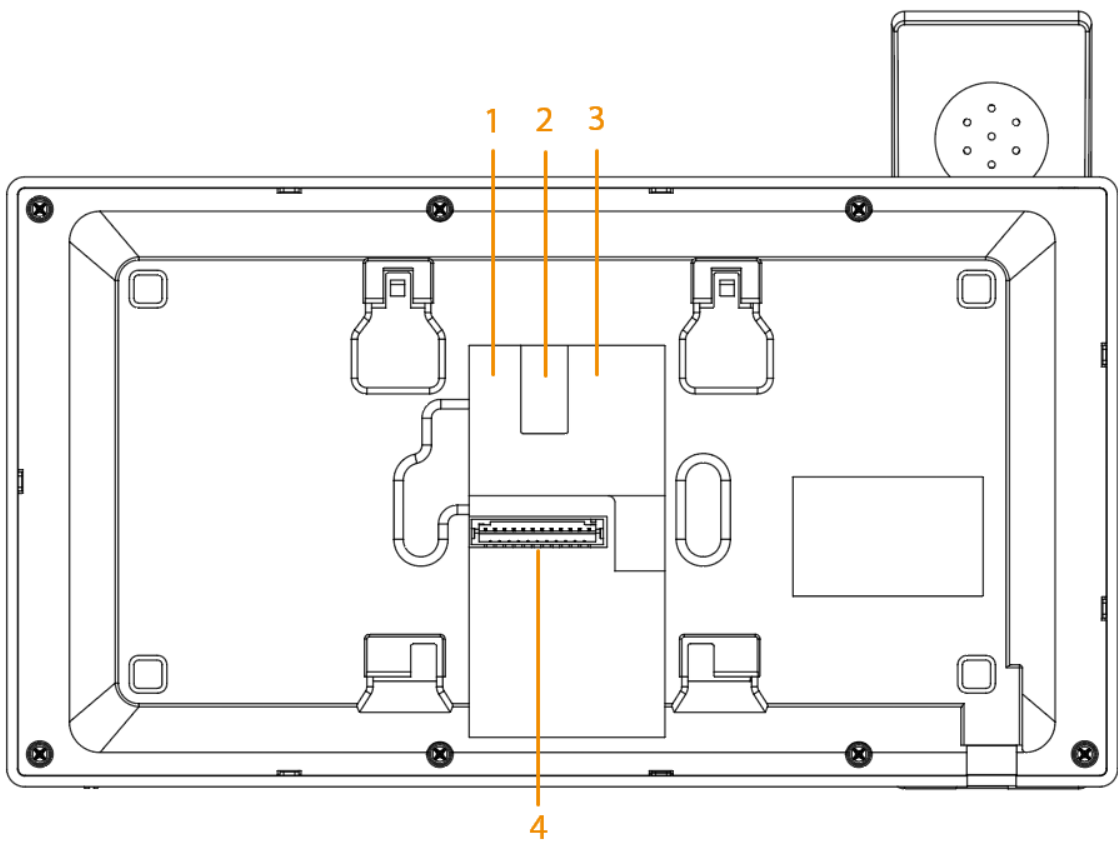
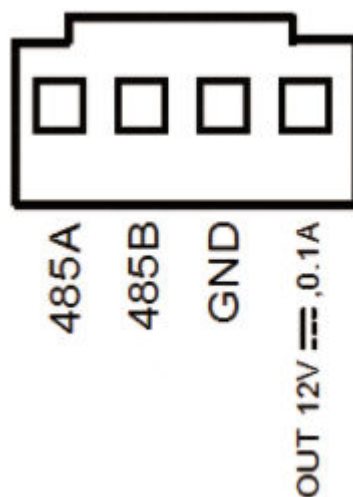


Table 1-9 Rear panel description

No.	Port
1	RS-485 extended port

No.	Port
2	Power port
3	Network port
4	Alarm port

Figure 1-19 RS-485 extended port



1.2.8 VTH5421H/VTH5422H Series

Figure 1-20 Rear panel

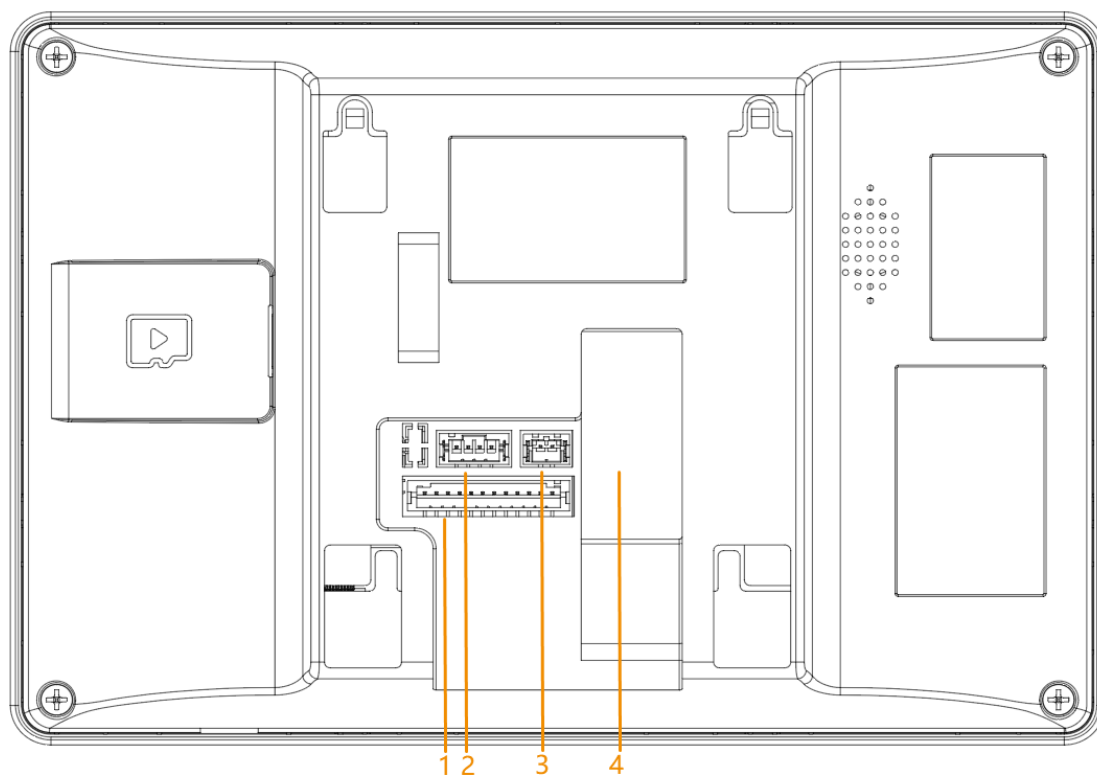
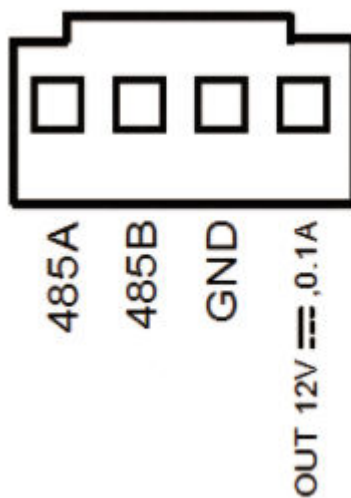


Table 1-10 Rear panel description

No.	Port
1	Alarm port
2	RS-485 and power output port
3	<ul style="list-style-type: none"> ● 5421H: Power input port ● 5422H: 2-wire port
4	Network port

Figure 1-21 RS-485 port



1.2.9 VTH5441G Series

Figure 1-22 Rear panel

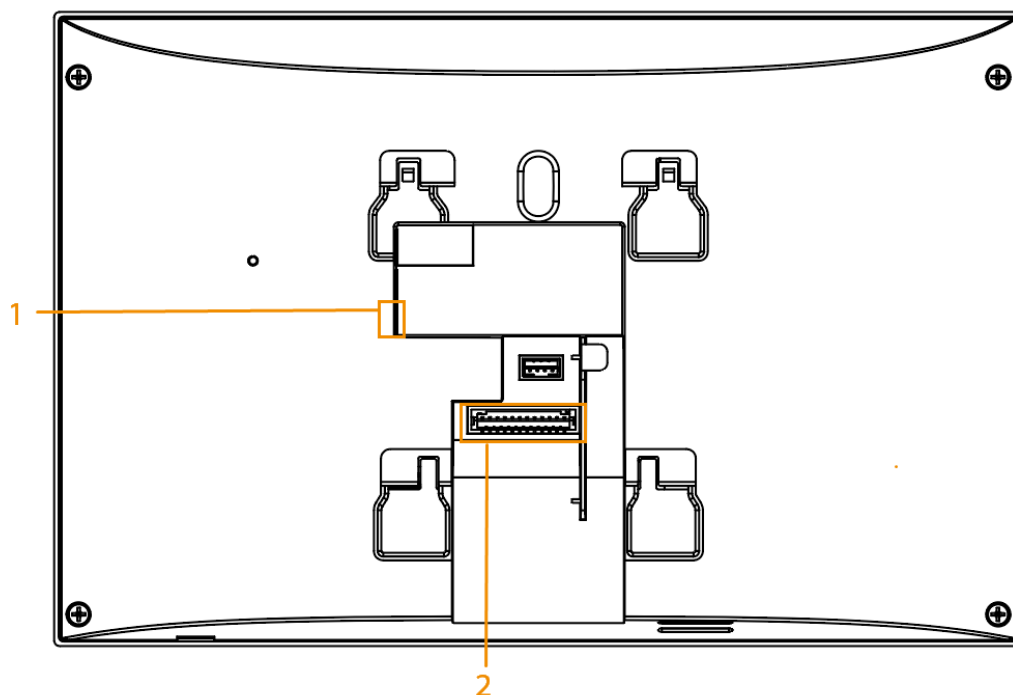


Table 1-11 Rear panel description

No.	Port
1	Network port
2	Alarm port

1.2.10 VTH8621K/VTH8622K Series

Figure 1-23 Rear panel

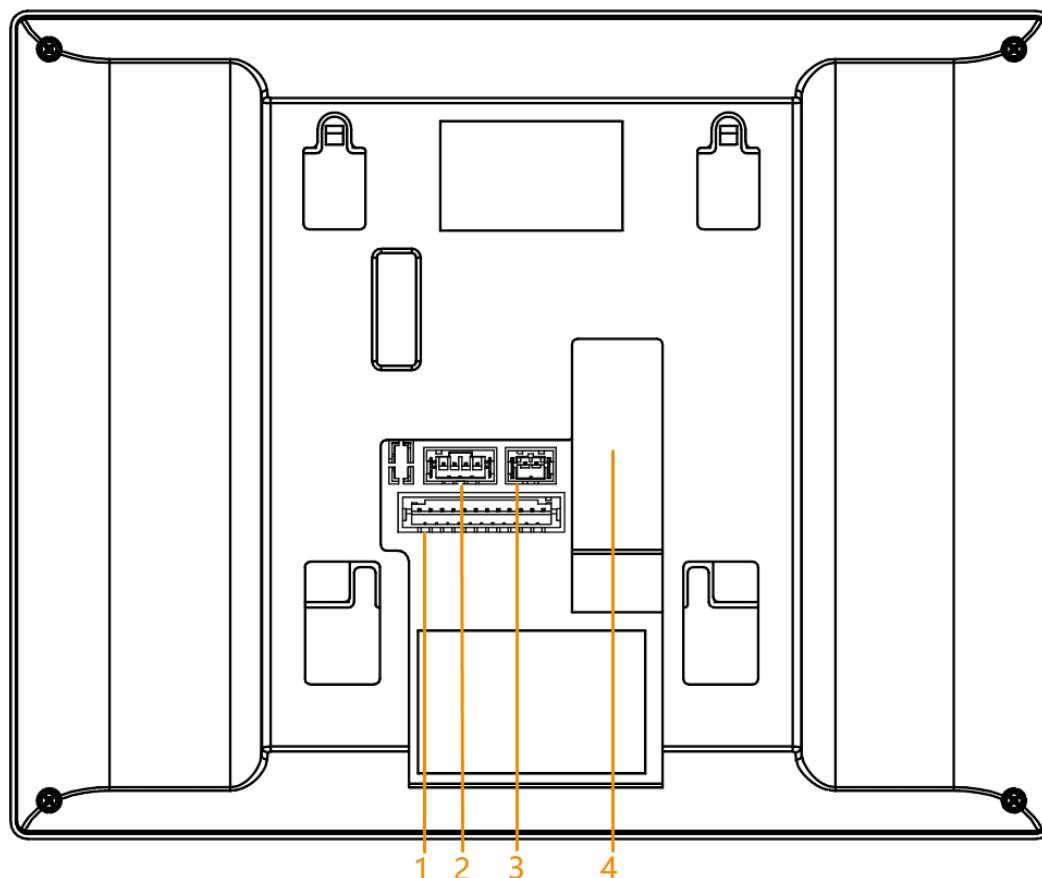


Table 1-12 Rear panel description

No.	Port
1	Alarm port
2	RS-485 and power output port
3	<ul style="list-style-type: none">● 8621K: Power input port● 8622K: 2-wire port
4	Network port

1.2.11 VTH8641K/VTH8642K Series

Figure 1-24 Rear panel

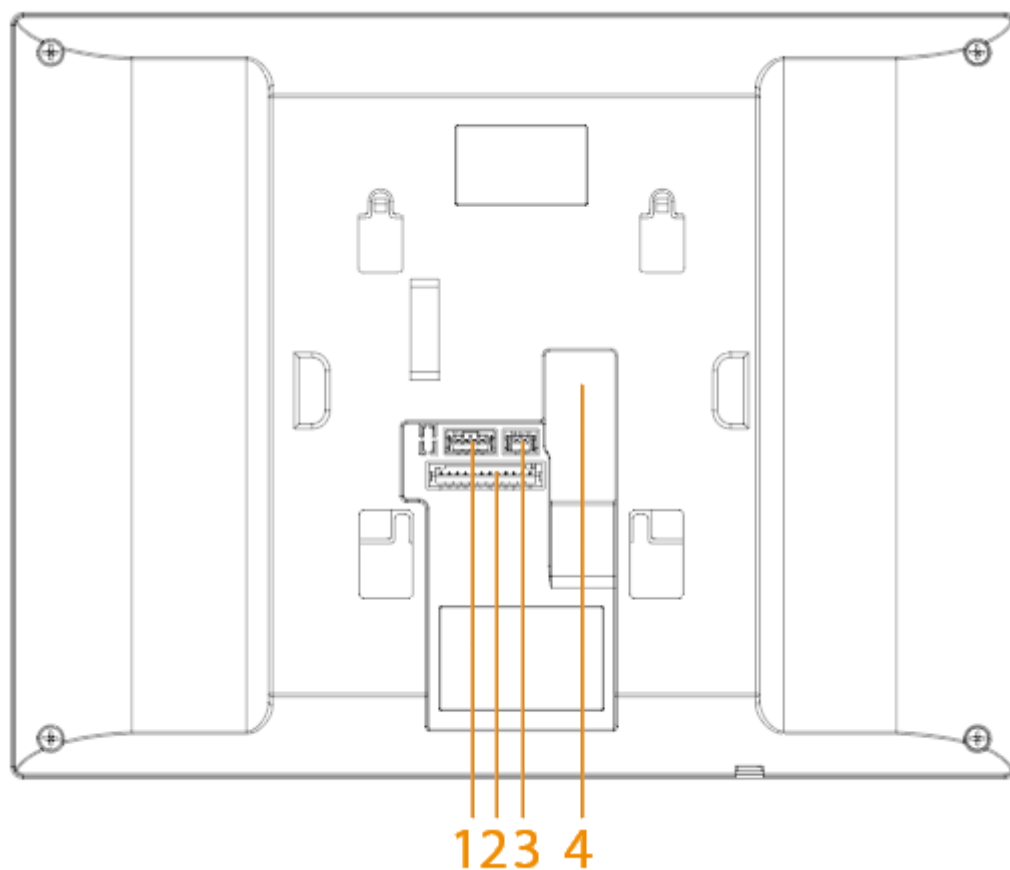
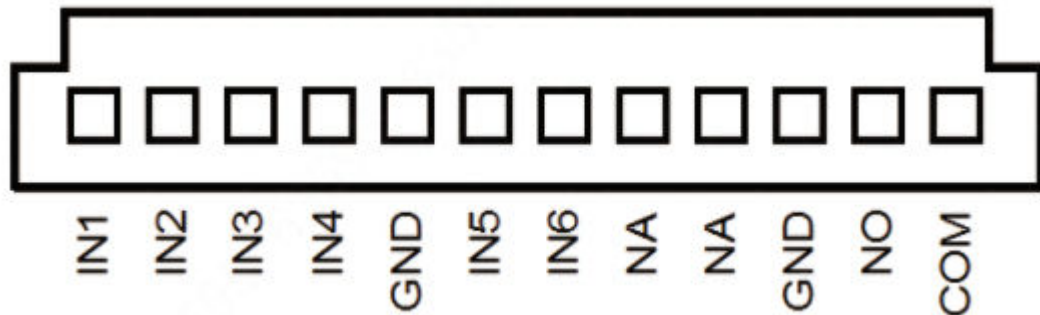


Table 1-13 Rear panel description

No.	Port
1	RS-485 and power output port
2	Alarm port
3	<ul style="list-style-type: none">• 8641K: Power input port• 8642K: 2-wire port
4	Network port

1.3 Alarm Port

Figure 1-25 Alarm port



1.4 Function

Wi-Fi Networking

Connect to Wi-Fi networks.



The Wi-Fi function is available on select models.

Video/Voice Call

Make video or voice call to other VTOs and VTHs.

Monitoring

Monitor fence station, VTO and IPC devices (only supported by certain models).

Concierge

Make calls to the Management Center.

Auto Snapshot

Take snapshots when calling or monitoring, and store them in the SD card.



The SD card is available on select models.

DND (Do Not Disturb)

Mute all message and call notifications.

Remote Unlock

Unlock doors remotely.

Arm and Disarm

Arm and disarm up to 8 alarm wired devices and 6 alarm wireless devices.

Playback

Play back videos and pictures in the SD card.



The SD card is available on select models.

Alarm

Alarms will trigger linkage and be sent to the Call Center and server.

Record

View call and alarm records.

Message

View picture messages and announcements.

2 VTH Initialization

2.1 Initialization through the Device

This manual uses the snapshots from 7-inch device as the example. The interfaces on 4.3-inch and 10-inch device are the similar with that on 7-inch device.

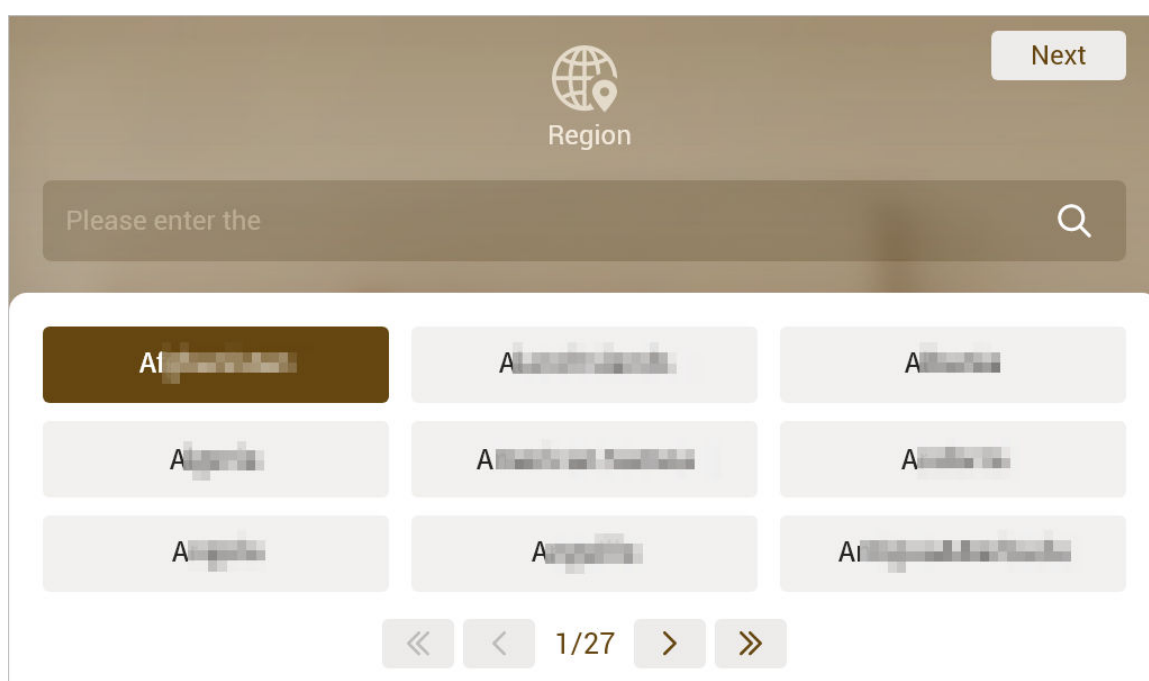


The snapshots are for reference only.

Procedure

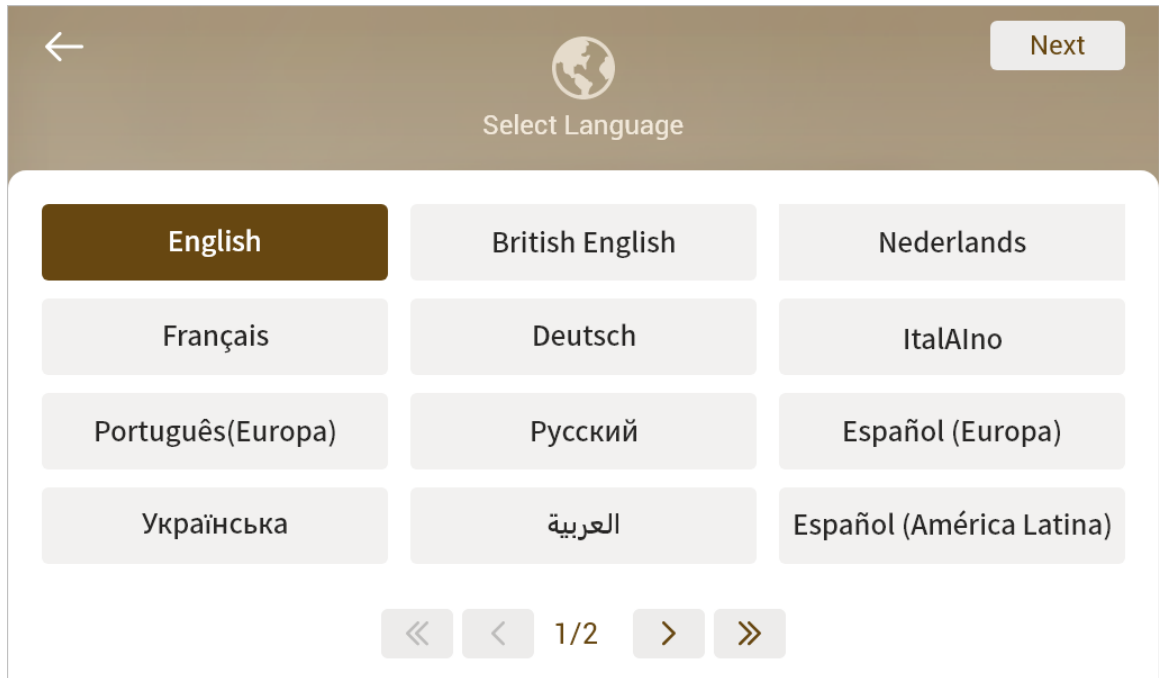
Step 1 Select a region, and then tap **Next**.

Figure 2-1 Region



Step 2 Select a language, and then tap **Next**.

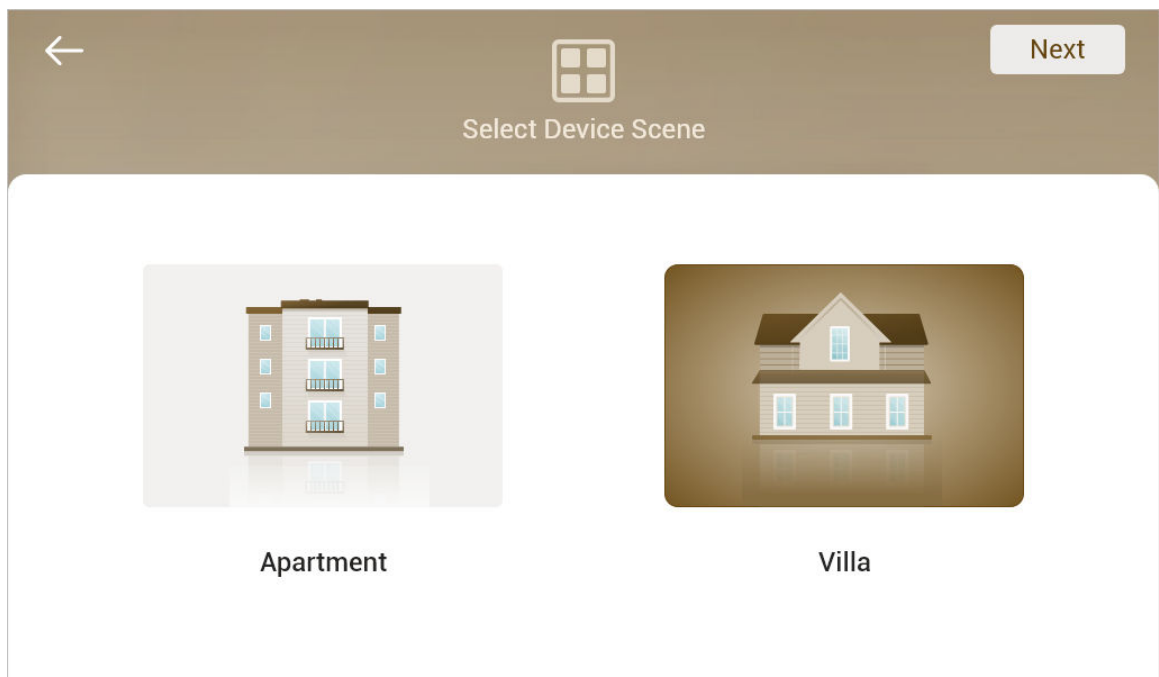
Figure 2-2 Language



Step 3 Select **Apartment** or **Villa**, and then tap **Next**.

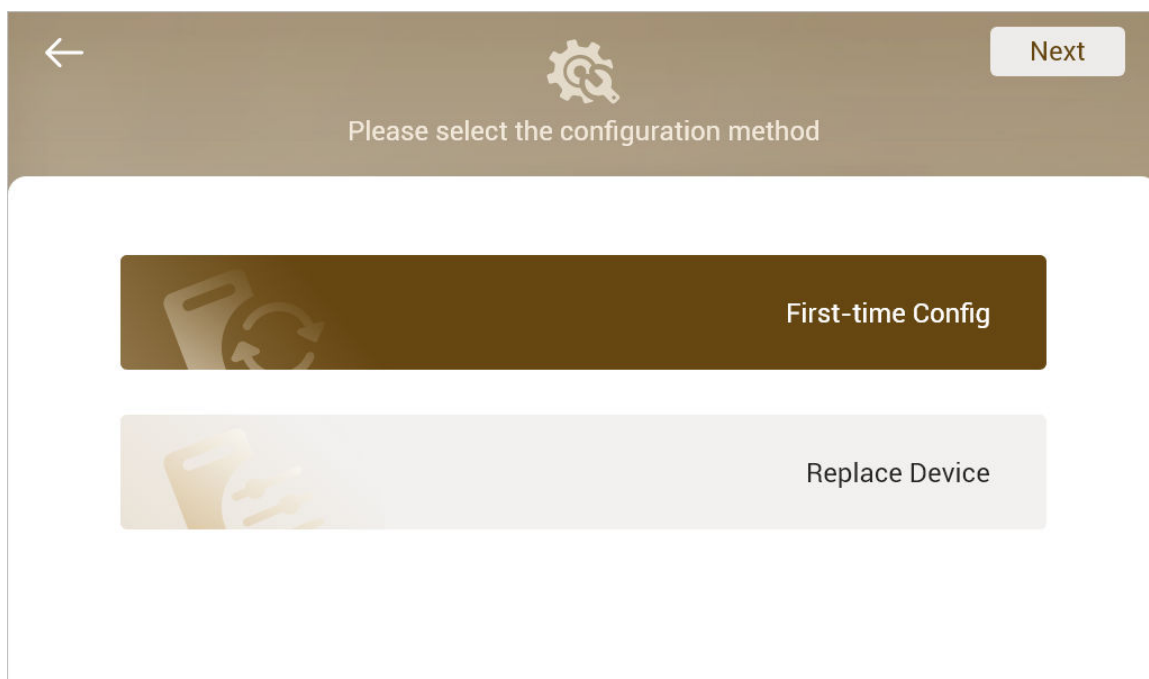
This section takes **Villa** as an example.

Figure 2-3 Scene



Step 4 Select **First-time Config**, and tap **Next**.

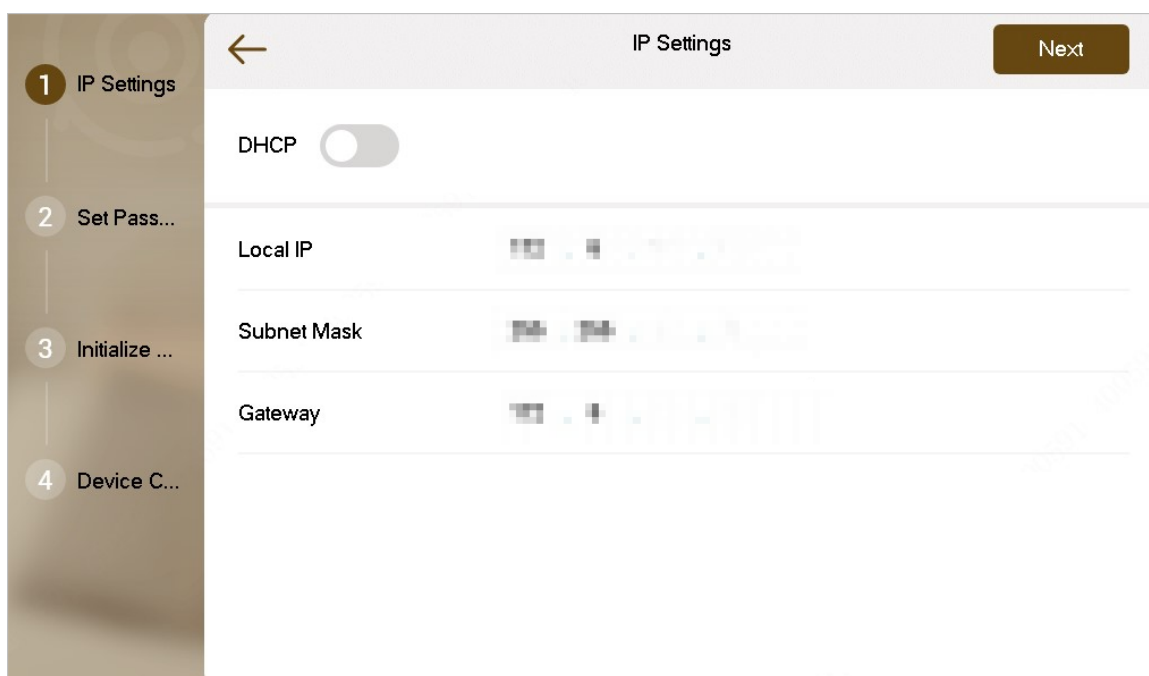
Figure 2-4 First-time configuration



Step 5 Configure the network parameters, and then tap **Next**.

You can also enable **DHCP**, and then tap **Next**.

Figure 2-5 IP settings



Step 6 Set a password for the VTH, and then tap **Next**.

You can select the **Email**, and then enter the email address for resetting the password.



- The password is used to enter project setting.
- If you select **Apartment** in Step 2, initialization is completed with this step.

Figure 2-6 Password setting

Step 7 Tap **Uninitialized** to initialize a single device, and then tap **Next**.

Initialize All : If there are many devices, tap to initialize all devices that are displayed in the list.

Step 8 After initialization, tap **Edit** to configure the detailed information of the device.





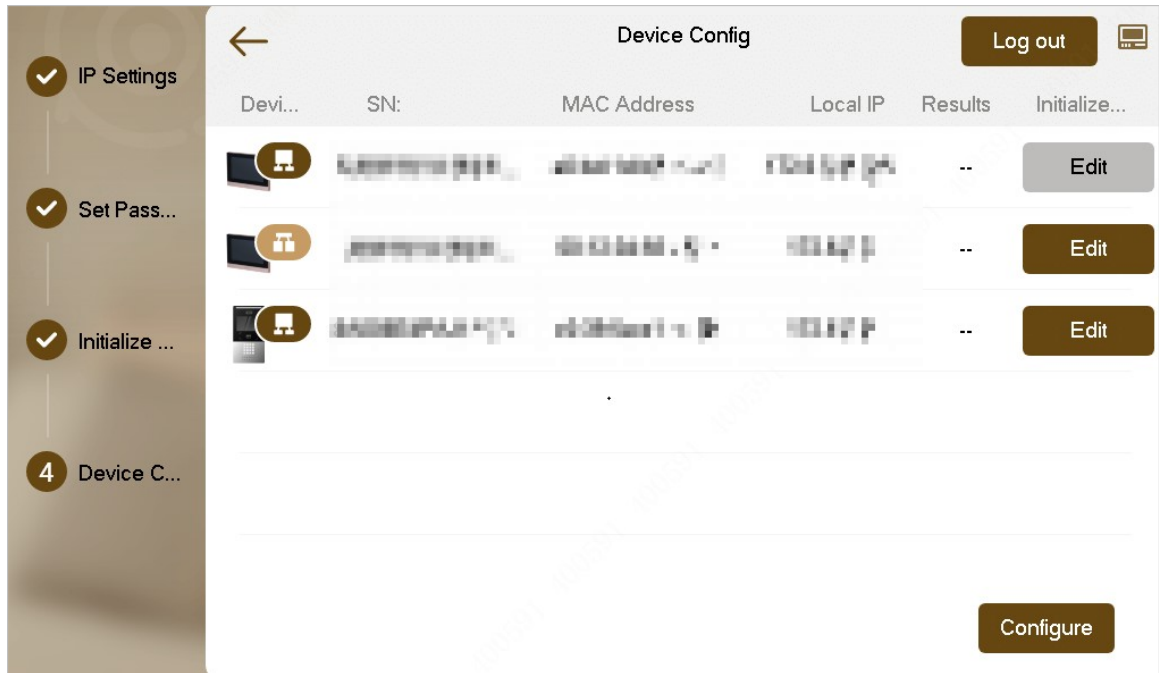
- The device you are using cannot be edited.
-  : Indicates that the device is the main device.
-  : Indicates that the device is the sub device.

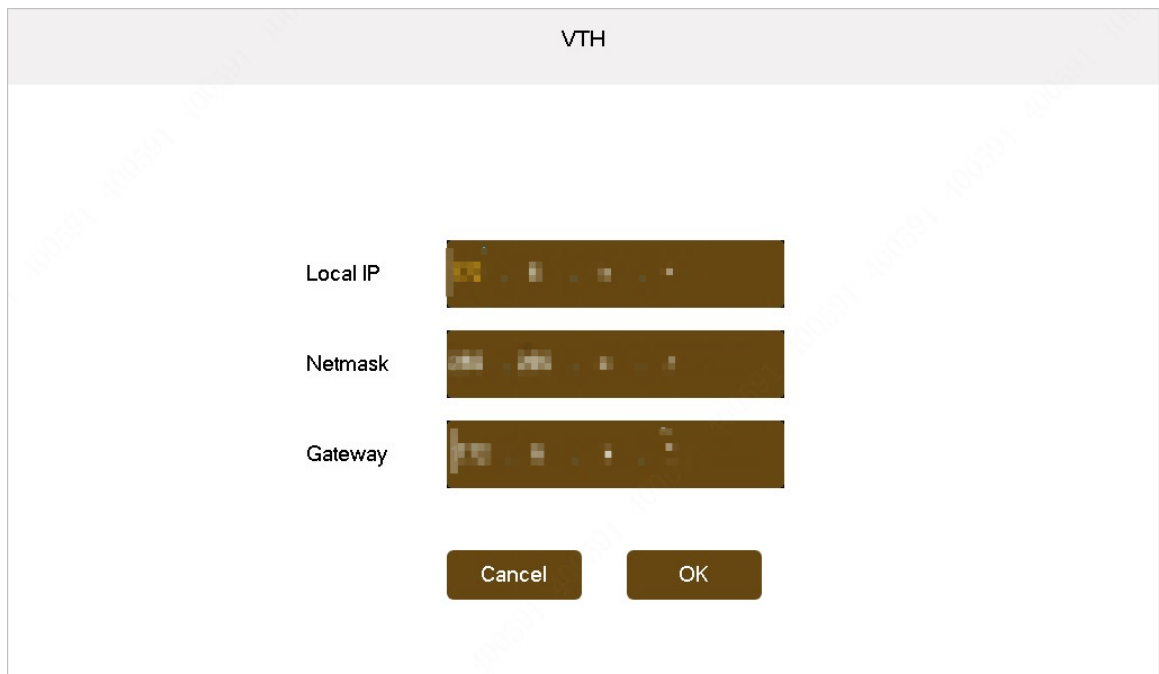
Figure 2-7 Edit the device information



Step 9 Configure the parameters, and then tap **OK**.

- Configure the network parameters if you want to configure the VTH.

Figure 2-8 Configure the VTH



- Configure the network parameters if you want to configure the sub VTO.

Figure 2-9 Configure the sub VTO

VTO

☐ Main VTO ☒ Sub VTO

Local IP

Netmask

Gateway

Cancel OK

- Configure the network parameters and the time if you want to configure the main VTO.

Figure 2-10 Configure the main VTO

VTO

☒ Main VTO ☐ Sub VTO

Local IP

Netmask

Gateway

Date Format DD-MM-YYYY

Time Format 24-Hour

Date 01 - 01 - 2000 00 : 07 : 40

Time Zone UTC+00:00

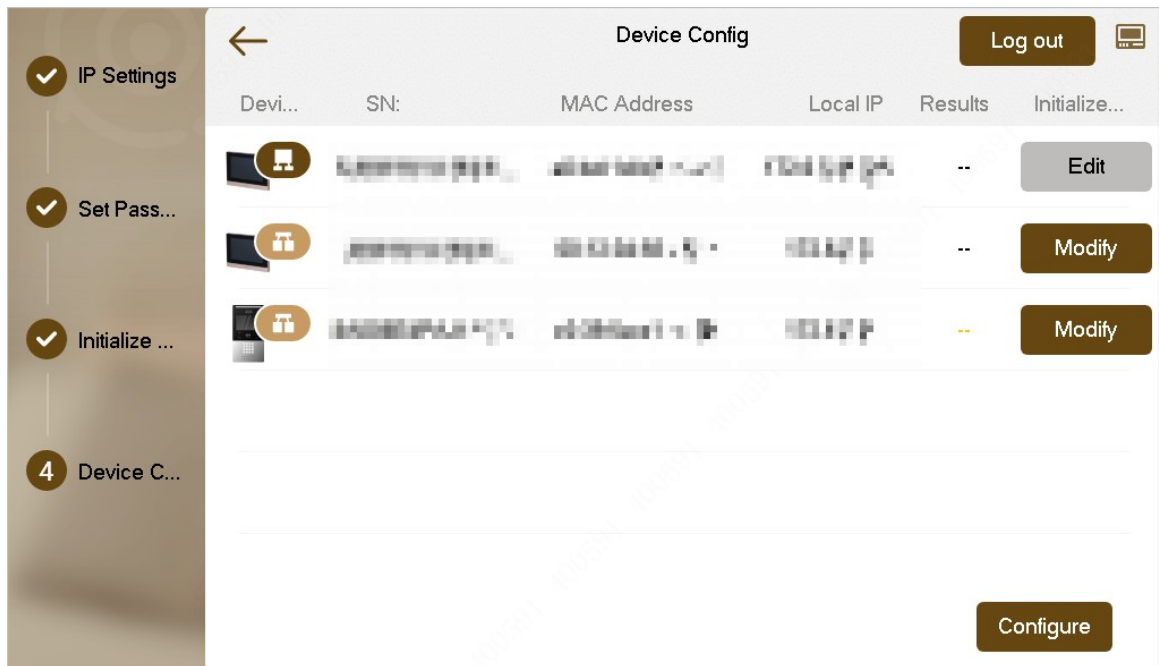
Video Format ☒ PAL ☐ NTSC

Cancel OK

Step 10 Tap **Configure** to finish the initialization.

- **Log out** : Tap to directly go to the home screen. If you edit the parameters, and tap **Log out**, the configurations for the device are invalid.
- **Modify** : Tap to modify the device configurations.

Figure 2-11 Configure the device



2.2 Initialization through the ConfigTool

You can initialize the VTH, and configure the building parameters through the ConfigTool. For details, see the ConfigTool user's manual.

2.3 Initialization through the DoLynk Care

You can initialize the device on the DoLynk Care. Here uses initialization on DoLynk Care app as an example. For detailed operation of the app, refer to its user manual.

Procedure



- Step 1 On the home screen, tap .
- Step 2 Tap **QR**.
- Step 3 Scan device QR code, or tap  to manually enter device SN.
- Step 4 Select a site, and then tap **OK**.
- Step 5 On the **Add Device** screen, select a device type.
- Step 6 Connect to wireless or wired network.
- Step 7 Enter password and confirm it again, and then tap **Initialize the device** to complete initialization.

Figure 2-12 Initialize the device

The screenshot shows a mobile application interface for adding a device. At the top, there is a header bar with a back arrow, the title 'Add Device', and the word 'Wireless'. Below the header is a progress indicator with three steps: '1' (Network Config), '2' (Device Config), and '3' (Complete). The 'Device Config' step is currently active. The main content area contains a text prompt: 'Please enter an initial password of 8-32 letters, numbers or symbols'. Below this are two input fields: 'New pwd:' and 'Confirm pwd:'. A password strength indicator is shown below the input fields. At the bottom, there is a large red button labeled 'Initialize the device'.

Step 8 Tap **Completed**, and then you can view the device in the device list.

3 VTH Screen Operation

3.1 Home Screen

Figure 3-1 Home screen

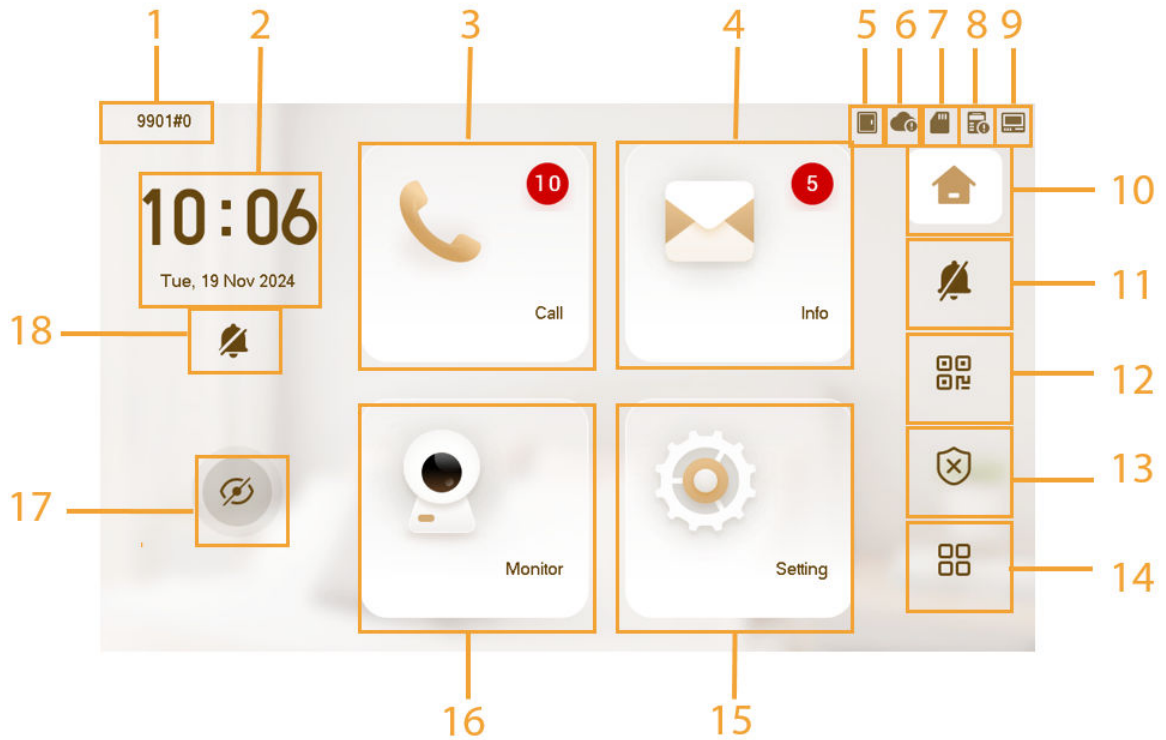















Table 3-1 Home screen description

No.	Name/Icon	Description
1	Room number	Number of the room where the VTH is located.
2	Time and Date	Displays the time and date.
3	Call	<ul style="list-style-type: none">• Call other VTOs and VTHs.• View and manage the contacts and call records.• Call the DMSS app.
4	Info	<ul style="list-style-type: none">• View, delete and clear announcements or security alarm information.• When the VTH does not have an SD card, and the video-audio message uploading function is enabled on the VTO, you can view, delete and clear the messages.• When the VTH has an SD card, you can view, delete and clear the videos and pictures.
5		Displays the door detector status.
6		Displays the cloud service status.

No.	Name/Icon	Description
7		Displays the SD card status.  The SD card is available on select models.
8		Failed to connect to the SIP server.
9		Connected to the network through a cable.
10		Tap to view the home screen. You can call, monitor, view the information and enter the setting screen.
11		DND. Enable to not receive calls or messages.
12		The QR code for downloading the DSS app, registering for the DSS app and scanning the DMSS QR code to remotely manage the device.
13		Scene. Tap to select one of the following arming modes: Sleep, Away, Home or Custom .
14		<ul style="list-style-type: none"> View the other main functions, including restarting the system and calling the Management Center. Edit the home screen. For details, see "3.2 Editing Home Screen".
15	Setting	Enter setting page to configure the call, alarm, scenes, general parameters and view the system information.
16	Monitor	Monitor VTOs, fence stations, IPCs and NVRs.
17		Tap to turn off the current screen.
18		DND. Enable to not receive calls or messages.

3.2 Editing Home Screen

Edit the home screen to display the functions as needed.

Procedure

Step 1 Tap  to view other functions, and then tap **Edit Home Screen**.





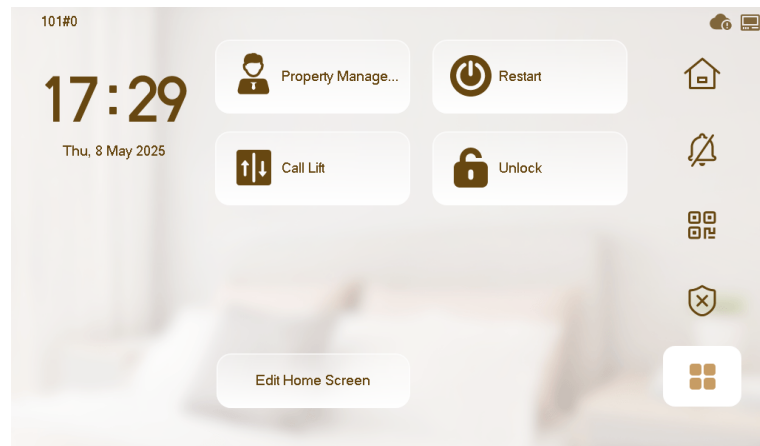

- : Call the management center.
- : Restart the VTH.
- : Call the lift.
- : Unlock the door.

Figure 3-2 Other functions



Step 2 Select the functions that you want to be displayed on the home screen, and then tap  to save the configuration.





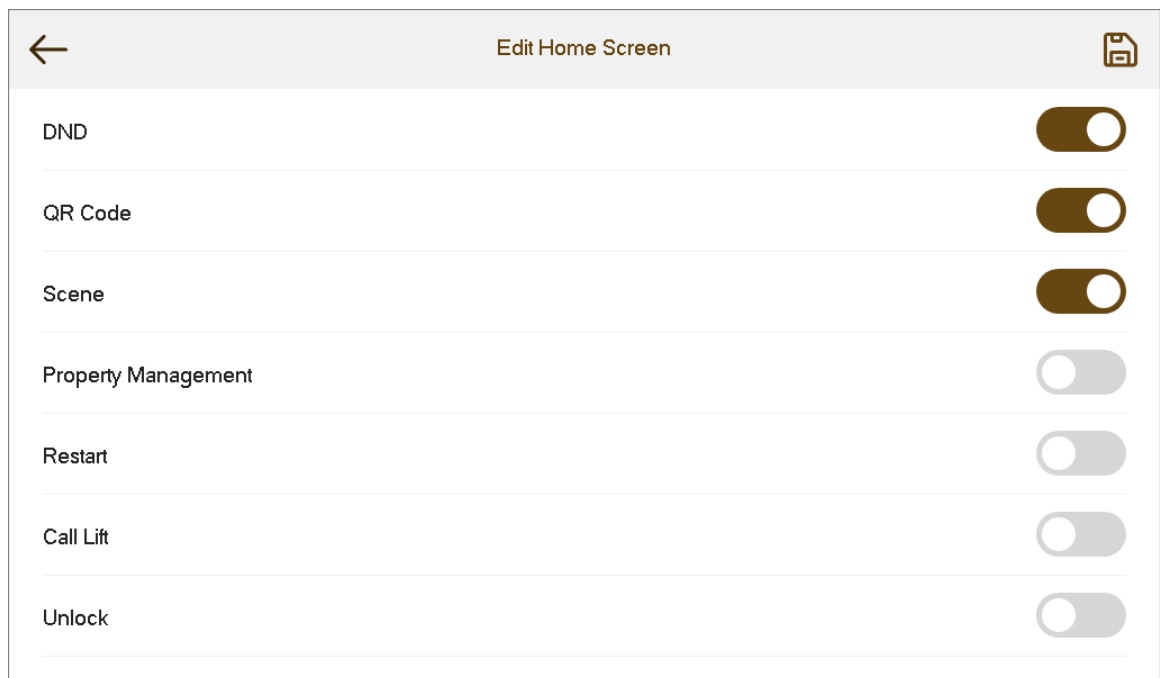
 and  are displayed by default. 4 functions can be displayed or modified on the home screen.

Figure 3-3 Home screen functions



3.3 Call

Manage contact, call and view call records.

3.3.1 Call Log


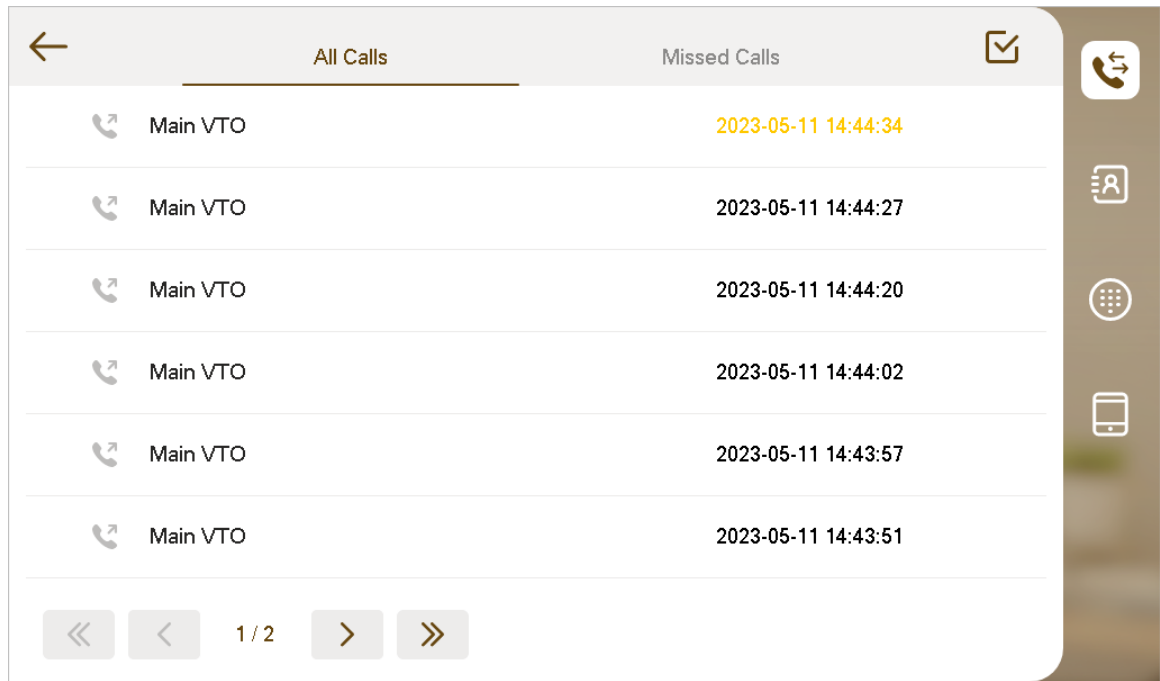



Tap **Call** >  to view and manage call records.

Figure 3-4 Call log



- Call back: Tap a call record to call back.
- Delete: Tap , select records, and then tap  to delete them.
- Clear: Tap  to clear all records in the current tab (**All Calls** or **Missed Calls**).



If storage is full, the oldest records will be overwritten. Back up the records as needed.

3.3.2 Contacts

Viewing Contacts


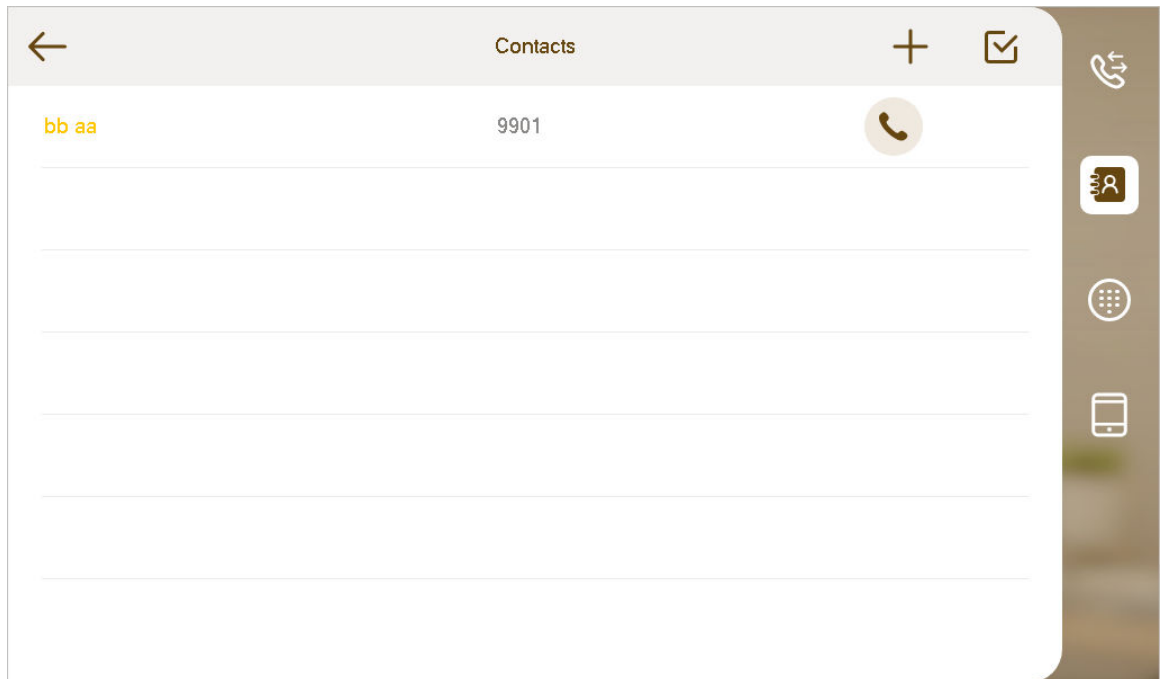
Select **Call** > , and then add or edit the users.

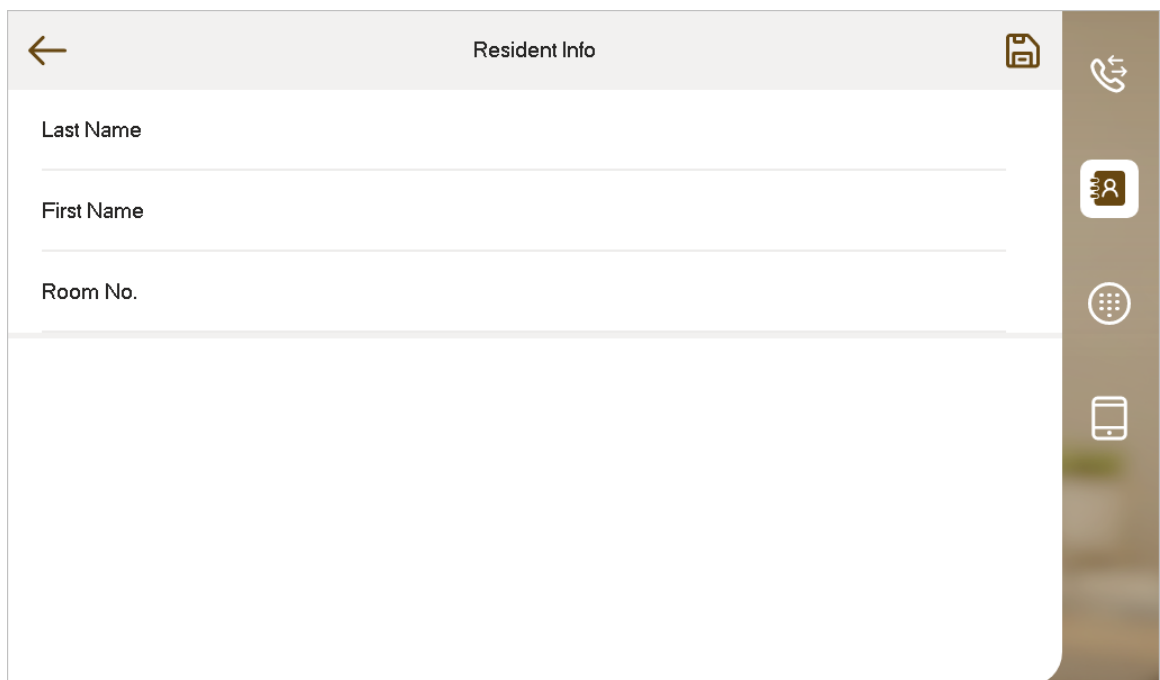
Figure 3-5 Contacts




Adding the User

1. Tap +.

Figure 3-6 User information



2. Enter the information.
3. Tap .



Related Operations

- Edit user information:

Tap a user, modify the information, and then tap .

- Delete the user:

◇ Tap a user, and then tap **Delete**.

◇ Tap , select a user, and then tap .

You can select multiple contacts to delete at the same time.

3.3.3 Calling User

- Make sure that resident-to-resident call function has been enabled.
- Call function is used by VTH to call VTH, VTO, VTS and the platform.
- If both VTHs have a camera, bilateral video call can be provided.

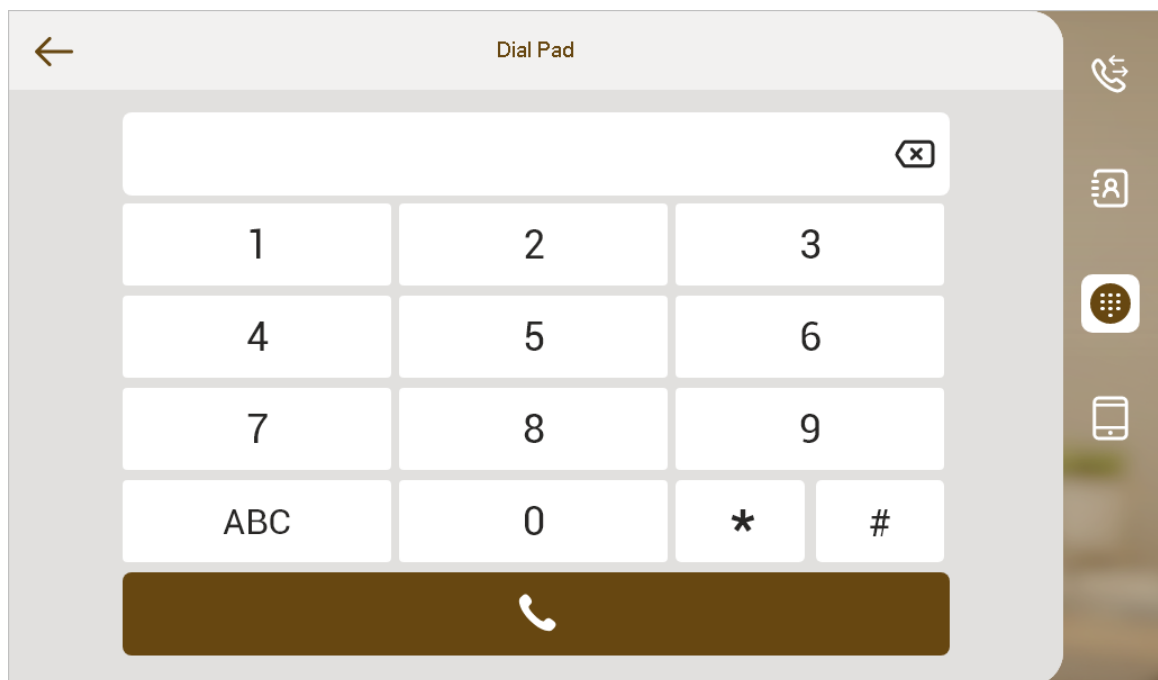
3.3.3.1 By Room Number

On the **Dial Pad** screen, dial and call the user.

Procedure

Step 1 Select **Call** > .

Figure 3-7 Call



Step 2 Enter the room number (VTH room number).

- If VTO works as SIP server, dial room number directly.
- If the platform works as SIP server:

- ◇ Call a user in the same unit and the same building, dial room number directly.
- ◇ Call a user in other buildings or units and add the building number. For example, dial 1#1#101 to call Building 1 Unit 1 Room 101.



If main VTH (101#0) calls extension (101#1), please enter room no.: #1; if the extension calls main VTH, please enter room number.: #0.

Step 3

Tap .



If the VTH has a camera, there will be videos after answering the call.

Figure 3-8 Call not answered

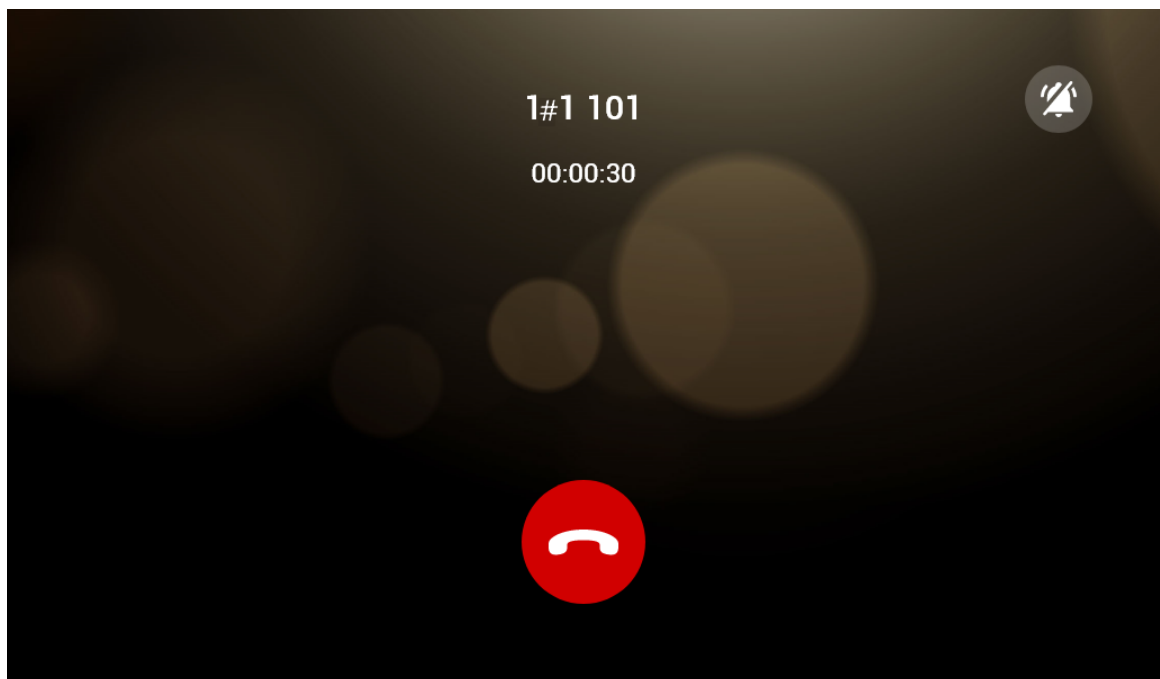
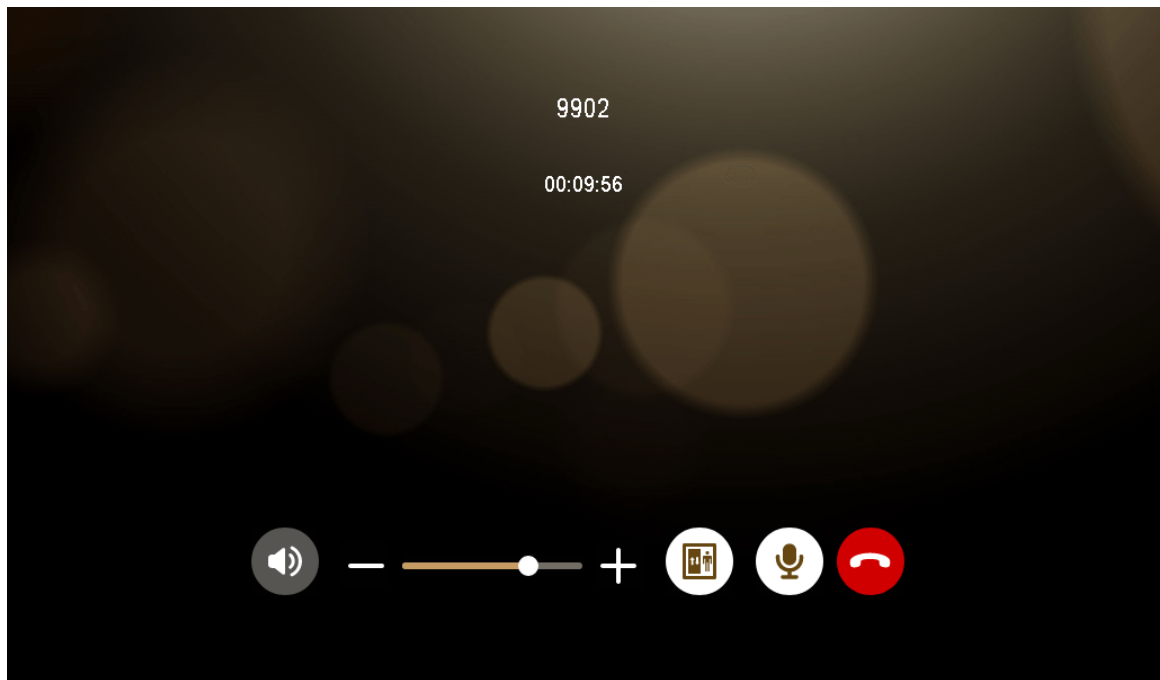





Figure 3-9 Call answered



When **Call Lift** is enabled, you can tap  to call the lift.

3.3.3.2 From Contact

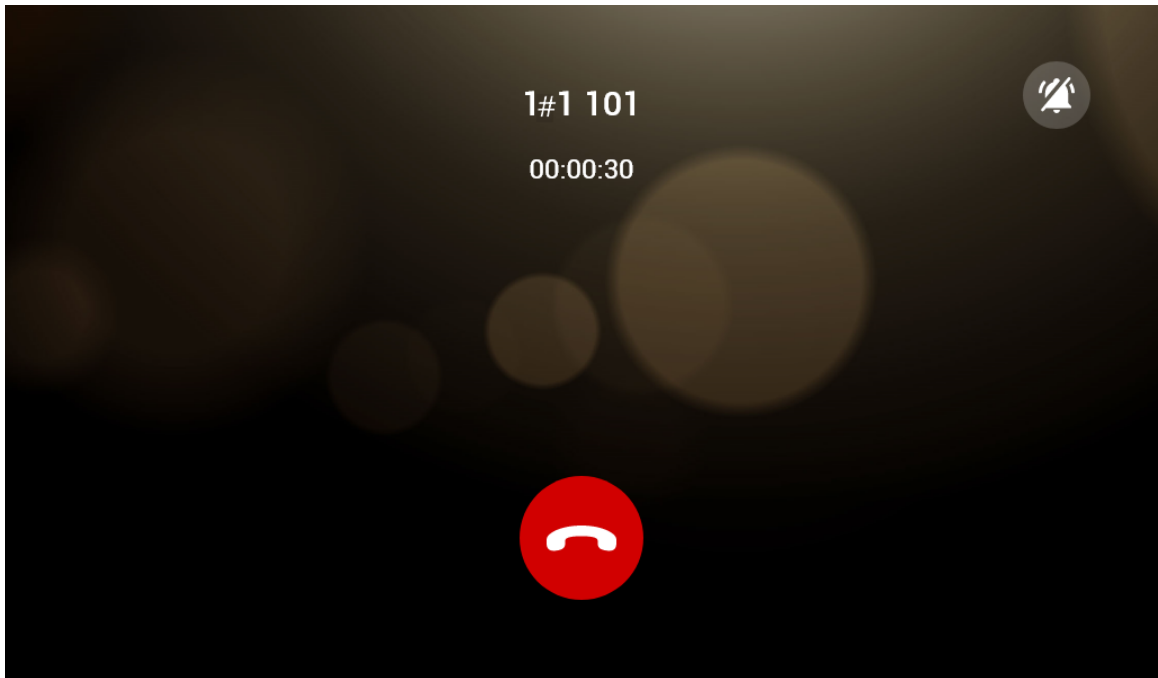
Procedure




- Step 1 Select **Call** > .
- Step 2 Tap  next to the user to call.

3.3.4 Call from User

When receiving calls from other VTHs, the following interface will be displayed.

Figure 3-10 Call screen



- : Answer.
- : Hang up.
- : Mute the voice.

3.3.5 Call from VTO

Procedure

- Step 1 Dial VTH room number (such as 9901) at VTO, to call VTH.
- Step 2 On the VTH screen, tap **Answer**.



If the network connection is bad, the device will adjust the video stream according to the actual situation.

Figure 3-11 Call from VTO

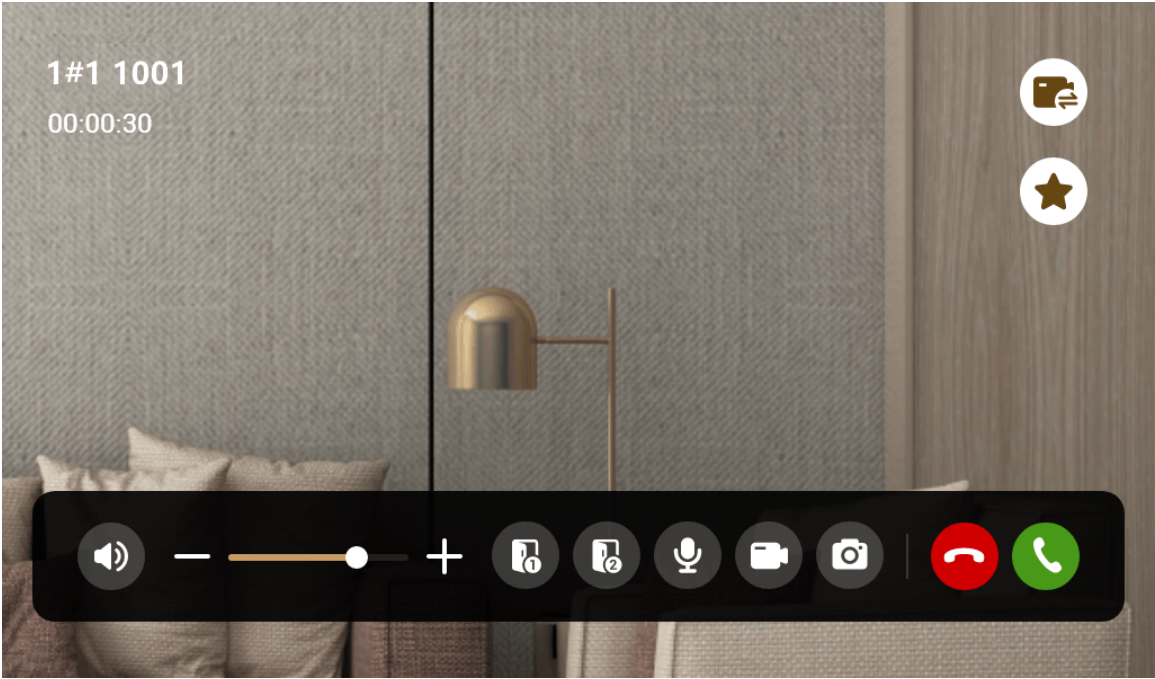






Table 3-2 Call screen description

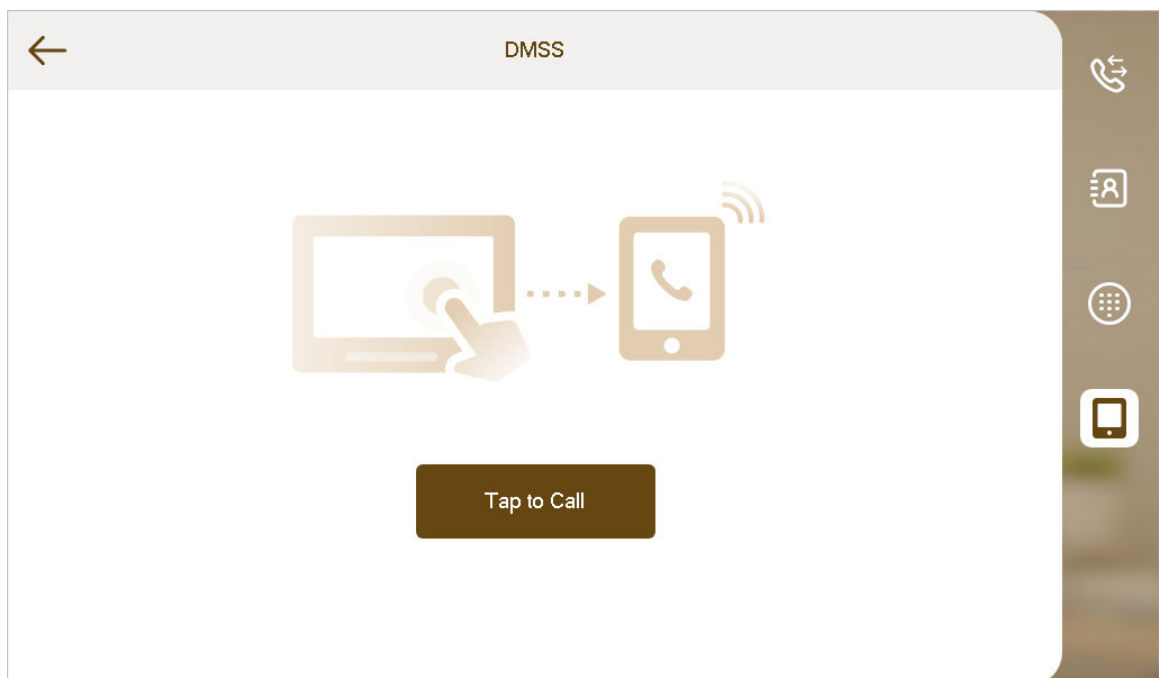
Key	Description
	<p>Remotely unlock the door where the VTO is installed.</p> <p></p> <p>The system provides 2-channel unlock. If the icon is gray, it means that the unlock function of this channel is not available.</p>
	<p>The microphone can be used. Tap the icon, and the microphone cannot be used.</p>
	<p>Tap to switch the IPC that is linked.</p>
	<p>Select an IPC in Favorite to monitor.</p>
	<p>Take snapshot.</p> <p></p> <ul style="list-style-type: none">• This key will be gray if SD card is not inserted.• The SD card is available on select models.

Key	Description
	<p>Take recording. Complete recording when the call is completed or by tapping the stop icon.</p> <p></p> <ul style="list-style-type: none"> • This key is gray if SD card is not installed. • Videos are stored in SD card of this VTH. If SD card is full, the earlier videos will be covered. • The SD card is available on select models. • The record will not be saved if it is less than 5 minutes.
–	Reduce volume.
+	Increase volume.
	Answer calls.
	Hang up.

3.3.6 Calling DMSS

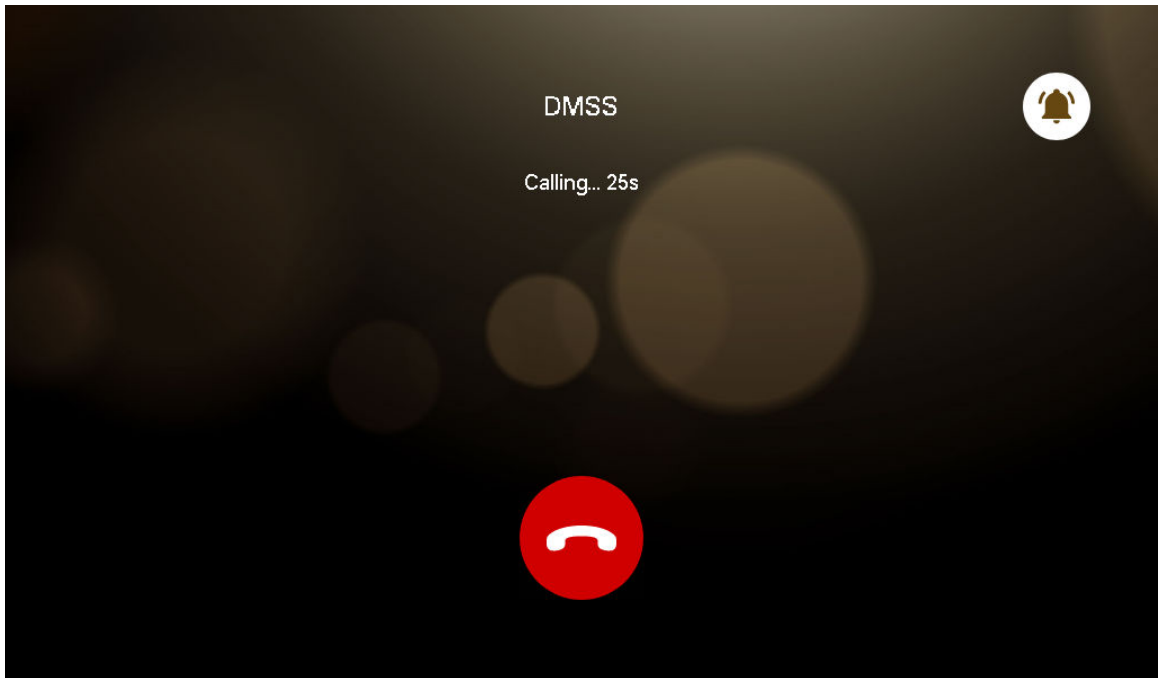
Select **Call** >  to make calls to DMSS.

Figure 3-12 DMSS



Tap **Tap to Call** to call the DMSS app account that the VTH has bonded with.

Figure 3-13 Call DMSS



3.4 Information

You can view and manage different kinds of information.



- Information in **Security Alarm** and **Publish Info** is stored in the device, and the one in **Guest Message** and **Video Pictures** is stored in the SD card, which means you need an SD card for these two functions.
- Only certain models support SD card.
- If the storage in the Device or SD card is full, the oldest records will be overwritten. Back up the records as needed.

3.4.1 Security Alarm

When an alarm is triggered, there will be 15 seconds alarm sound, and the interface below will be displayed. The alarm information will be uploaded to the alarm record interface and management platform.


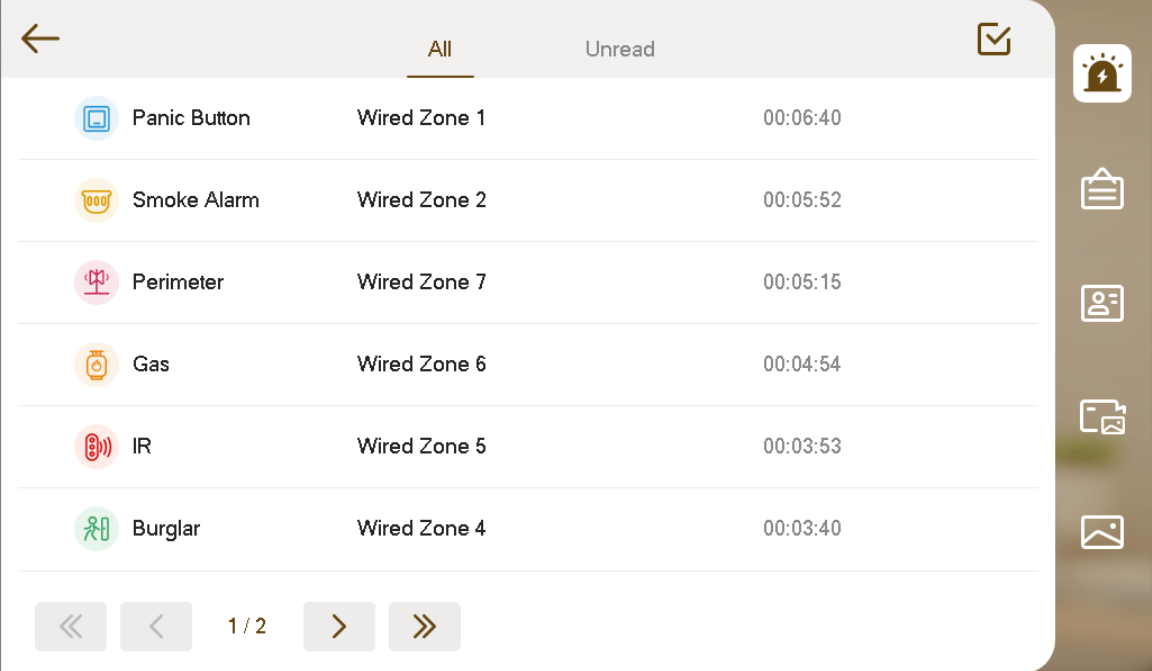
Select **Info** > , and then you can view and manage all alarm records.

Figure 3-14 Security alarm



The screenshot shows a mobile application interface for security alarms. At the top, there is a navigation bar with a back arrow, two tabs labeled 'All' and 'Unread', and a checkmark icon. Below the navigation bar is a list of six alarm events, each with an icon, a title, a location, and a timestamp. The events are: Panic Button (Wired Zone 1, 00:06:40), Smoke Alarm (Wired Zone 2, 00:05:52), Perimeter (Wired Zone 7, 00:05:15), Gas (Wired Zone 6, 00:04:54), IR (Wired Zone 5, 00:03:53), and Burglar (Wired Zone 4, 00:03:40). At the bottom of the list, there are navigation buttons: '<<', '<', '1 / 2', '>', and '>>'. On the right side of the screen, there is a vertical sidebar with five icons: a lightning bolt, a shopping bag, a person, a document, and a photo.

Icon	Alarm Type	Location	Timestamp
	Panic Button	Wired Zone 1	00:06:40
	Smoke Alarm	Wired Zone 2	00:05:52
	Perimeter	Wired Zone 7	00:05:15
	Gas	Wired Zone 6	00:04:54
	IR	Wired Zone 5	00:03:53
	Burglar	Wired Zone 4	00:03:40

3.4.2 Publish Information


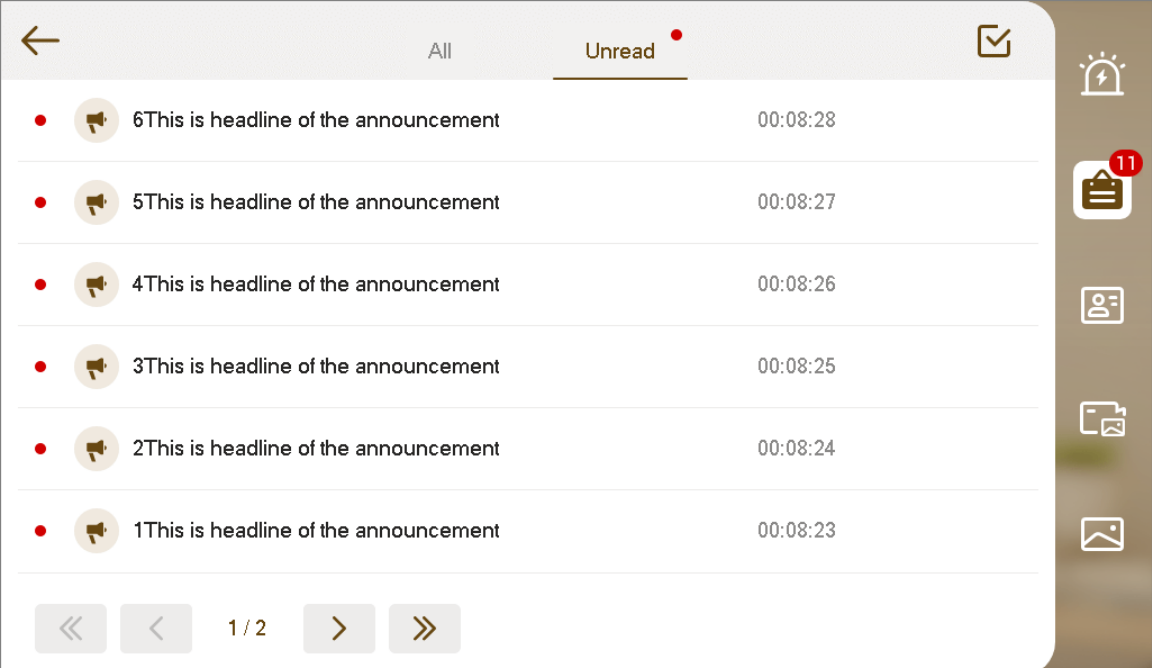
Select **Info** > , and then you can view and manage all messages.

Figure 3-15 Publish information



The screenshot shows a mobile application interface for publishing information. At the top, there is a navigation bar with a back arrow, two tabs labeled 'All' and 'Unread', and a checkmark icon. Below the navigation bar is a list of six announcement messages, each with a red dot, an icon, a title, and a timestamp. The messages are: 6This is headline of the announcement (00:08:28), 5This is headline of the announcement (00:08:27), 4This is headline of the announcement (00:08:26), 3This is headline of the announcement (00:08:25), 2This is headline of the announcement (00:08:24), and 1This is headline of the announcement (00:08:23). At the bottom of the list, there are navigation buttons: '<<', '<', '1 / 2', '>', and '>>'. On the right side of the screen, there is a vertical sidebar with five icons: a lightning bolt, a shopping bag with a red '11' badge, a person, a document, and a photo.

Icon	Message	Timestamp
	6This is headline of the announcement	00:08:28
	5This is headline of the announcement	00:08:27
	4This is headline of the announcement	00:08:26
	3This is headline of the announcement	00:08:25
	2This is headline of the announcement	00:08:24
	1This is headline of the announcement	00:08:23

3.4.3 Visitor Message


Select **Info** > , and then you can view and manage all messages.

Figure 3-16 Visitor message (1)

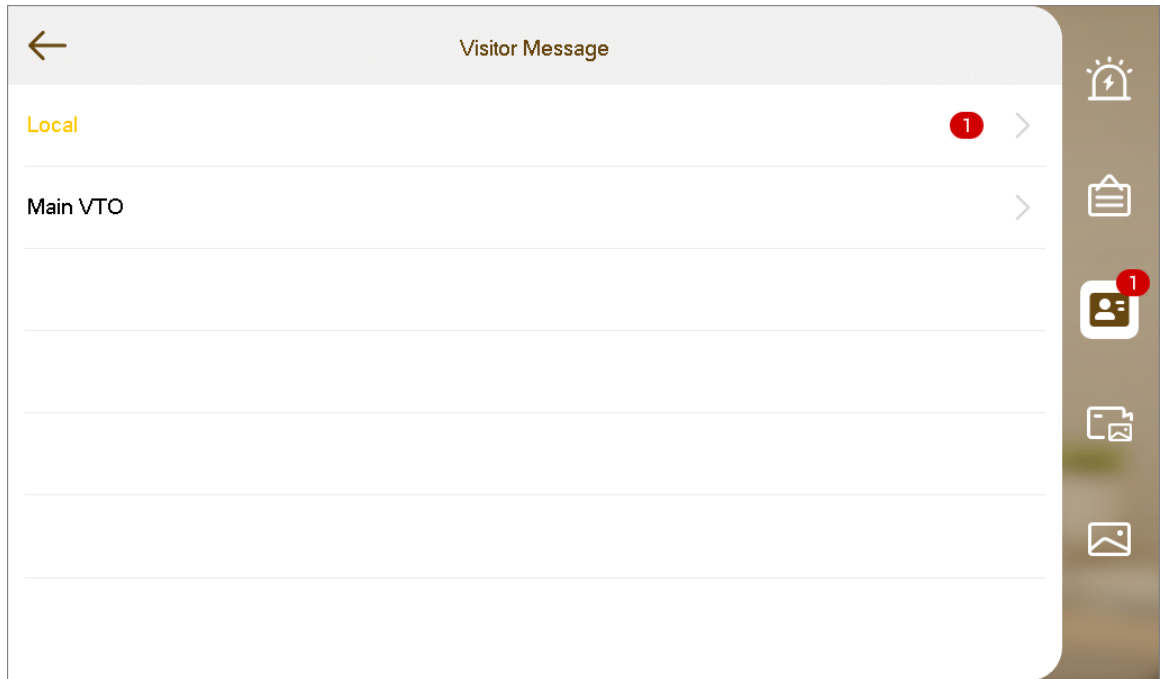
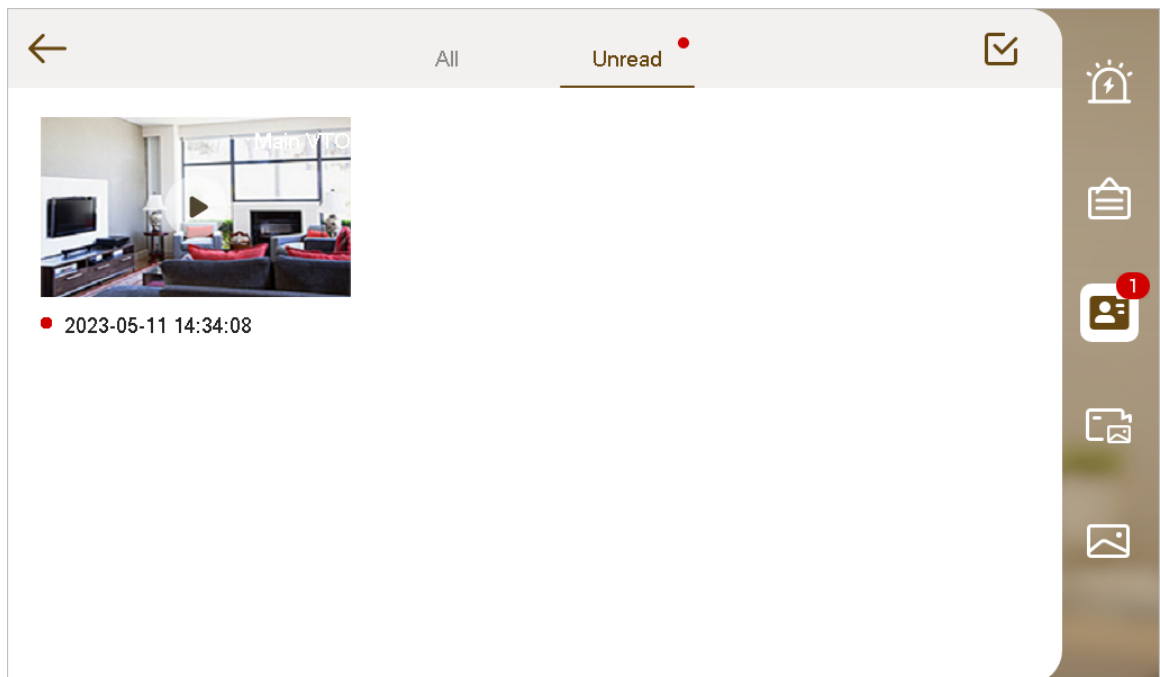


Figure 3-17 Visitor message (2)



3.4.4 Video Pictures


Select **Info** > , and then you can view and manage videos.

Figure 3-18 Records (1)

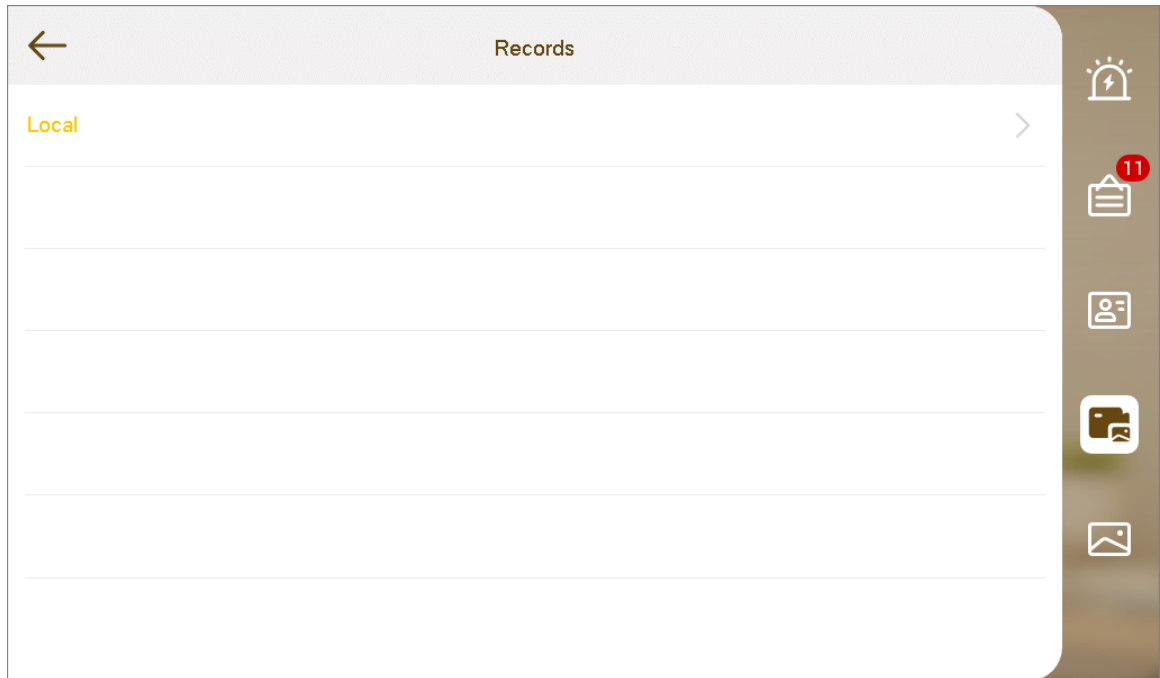
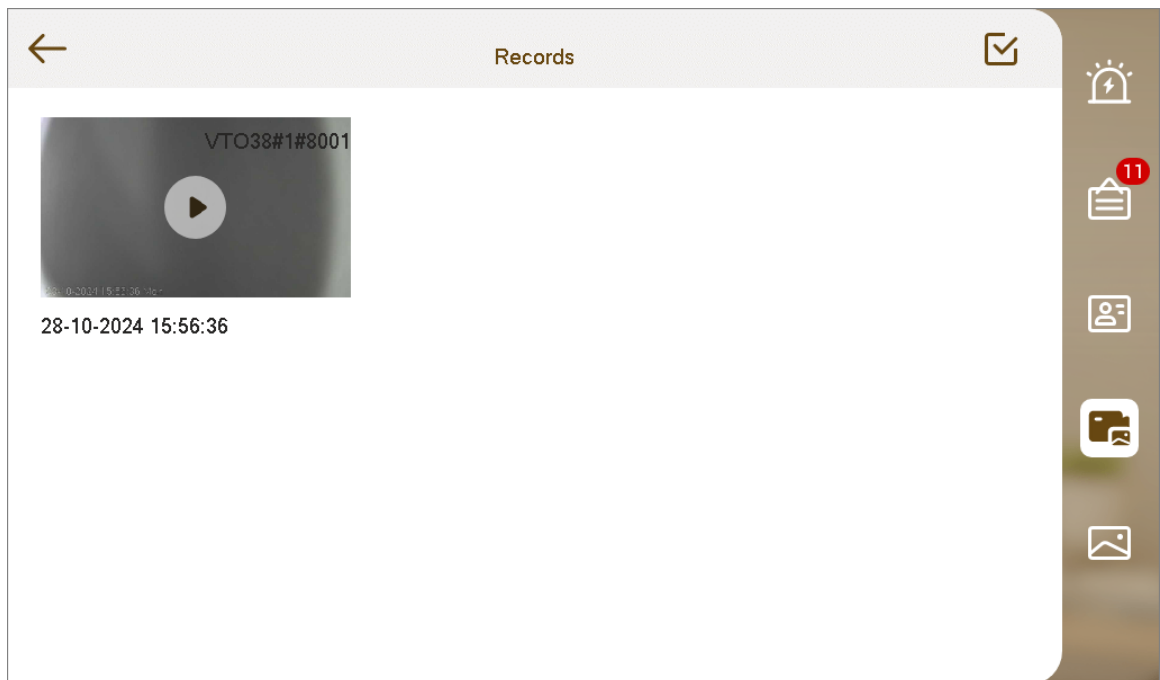



Figure 3-19 Records (2)



3.4.5 Auto Capture

Procedure

- Step 1 Select **Setting** > .
- Step 2 Tap ☐ to enable **Auto Capture**.



After it is enabled, pictures will be captured automatically when the VTO calls the VTH.

Step 3 Select **Info** >  to view the captures.



- An SD card is needed for this function.
- After **Auto Capture** is enabled, **Auto Delete Snapshots after Call Answered** will be displayed, which when turned on, snapshots will be deleted if the VTH answers the call.

3.5 Monitor

You can monitor VTO, fence station or IPC on the VTH.

3.5.1 Monitoring VTO

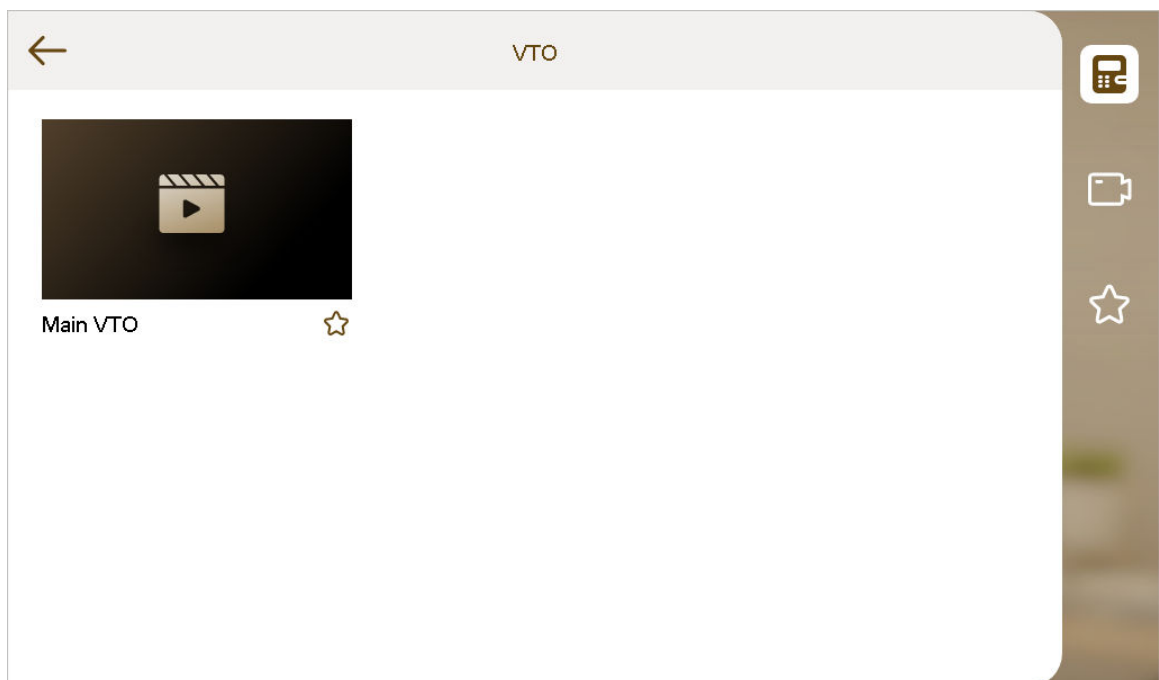


When adding VTOs, make sure that the username and password of each device is consistent with the web login username and password. Otherwise, monitoring will not work properly.

Procedure

Step 1 Select **Monitor** > .

Figure 3-20 VTO list



: Add the VTO or fence station to **Favorites**.


Step 2 Tap .

Figure 3-21 Monitoring VTO

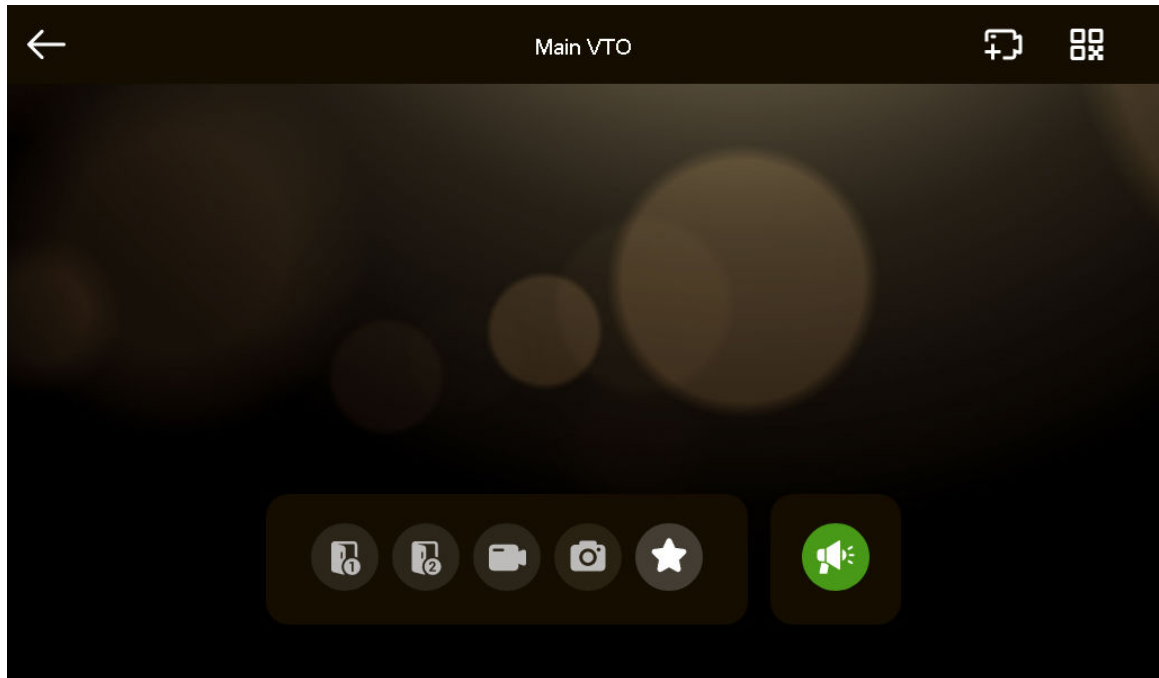


















Table 3-3 Interface description

Icon	Description
	<p>Remotely unlock the door where the VTO is located.</p> <p></p> <p>The system provides 2-channel unlock function. If the icon is gray, it means that unlock function of this channel is not available.</p>
	<p>Take snapshot.</p> <p></p> <ul style="list-style-type: none"> • An SD card is needed to use this function. • The SD card is available on select models.
	<p>Tap to start recording, and it will stop when the call is completed or by tapping the stop icon.</p> <p>If the SD card is full, the oldest videos will be overwritten.</p> <p></p> <ul style="list-style-type: none"> • An SD card is needed to use this function. • The SD card is available on select models. • Only recordings more than 5 seconds can be saved.
	<p>The VTO has been added to Favorites.</p>

Icon	Description
	<p>If the VTH is connected to multiple VTOs/IPCs, tap  and  to switch device.</p> <p></p> <p>If the VTH is connected to one VTO, the icon will not be displayed.</p>
	Exit monitoring.
	Tap to speak to the other end device.
	Select an IPC, and when this VTO or fence station calls, you will see the monitoring image from this IPC.
	<p>Display the serial number of the VTO or fence station in QR code. Scan the QR code in the app to add it to the app, and then you can monitor the VTO from your smart phone.</p> <p></p> <p>Apartment does not support this function.</p>

3.5.2 Monitoring IPC

3.5.2.1 Adding IPC

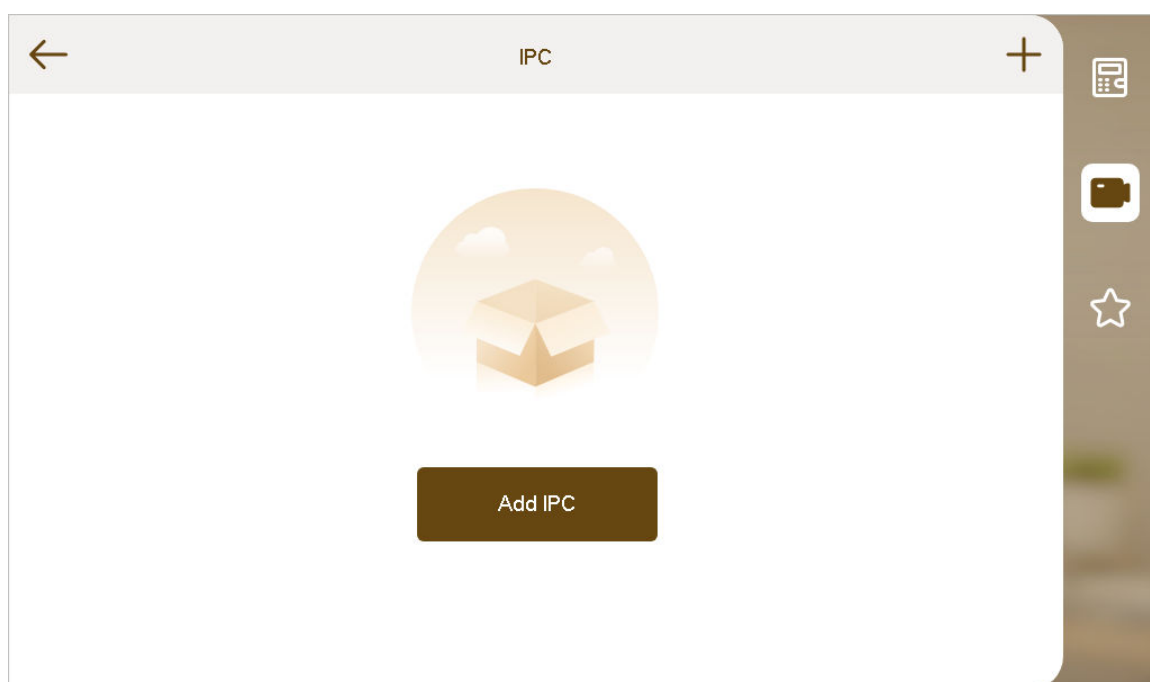
Background Information

- IPCs added to the main VTO will be synchronized to the VTH. The synchronized IPCs cannot be deleted.
- Before adding an IPC, make sure that it is powered on, and connected to the same network as the VTH.

Procedure

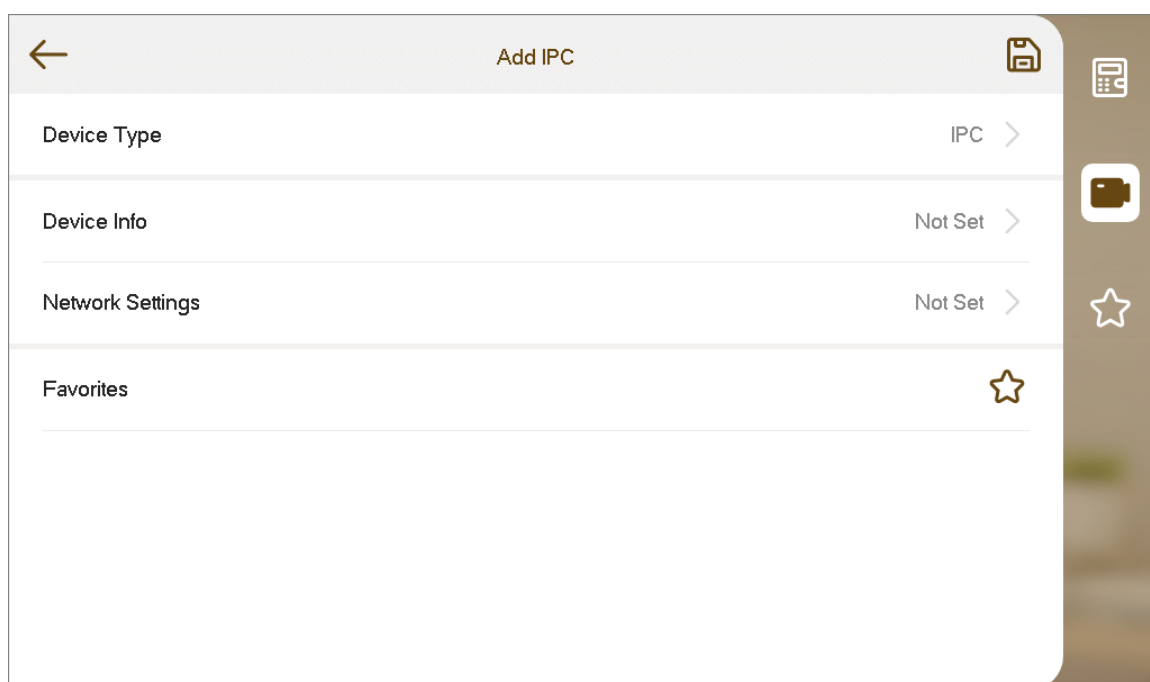
Step 1 Select **Monitor** > .

Figure 3-22 IPC



Step 2 Tap **Add IPC** or +.

Figure 3-23 Add IPC



Step 3 Configure the parameters.

Table 3-4 Parameter description

Parameter	Description
Device Type	Select IPC or NVR.

Parameter		Description
Device Info	Channel	<ul style="list-style-type: none"> If IPC is connected, default setting is 1. If NVR is connected, set channel number of IPC on NVR.
	Device Name	Name of the IPC/NVR.
	Stream Type	<ul style="list-style-type: none"> Main stream: High definition that needs large amount of bandwidth. Applicable to local storage. Extra stream: Relatively smooth image that needs small amount of bandwidth. Applicable to network with insufficient bandwidth.
	Protocol	It includes local protocol and ONVIF protocol. Please select according to the protocol of the connected device.
	Encryption	Enable it if the IPC to be added is encrypted.
Network Settings	IP Address	IP address of the IPC/NVR.
	Username	The login username of the webpage of the IPC/NVR.
	Password	The login password of the webpage of the IPC/NVR.
	Port	554 by default.
Favorites		Add the IPC to Favorites .

Step 4 Tap .



Related Operations

 : Add the IPC to **Favorites**.

3.5.2.2 Modifying IPC

Procedure

Step 1 Select **Monitor** > .

Step 2 Tap  of the IPC, and then tap  at the upper-right corner.

Step 3 Modify IPC parameters.

For details, see Table 3-4 .

Step 4 Tap .





3.5.2.3 Deleting IPC

Delete the IPC that has been added. However, IPC synchronized from VTO or the platform cannot be deleted.

Procedure



Step 1 Select **Monitor** > .

Step 2 Delete the IPC.

- Tap  of the IPC, tap  at the upper-right corner, and then tap **Delete IPC**.
- Tap , select the IPC, and then tap .



You can select more than one IPC to delete at the same time.

- Tap , and then tap  to clear all IPCs.



All the IPCs will be deleted in this way. Be careful.

3.5.2.4 Monitoring

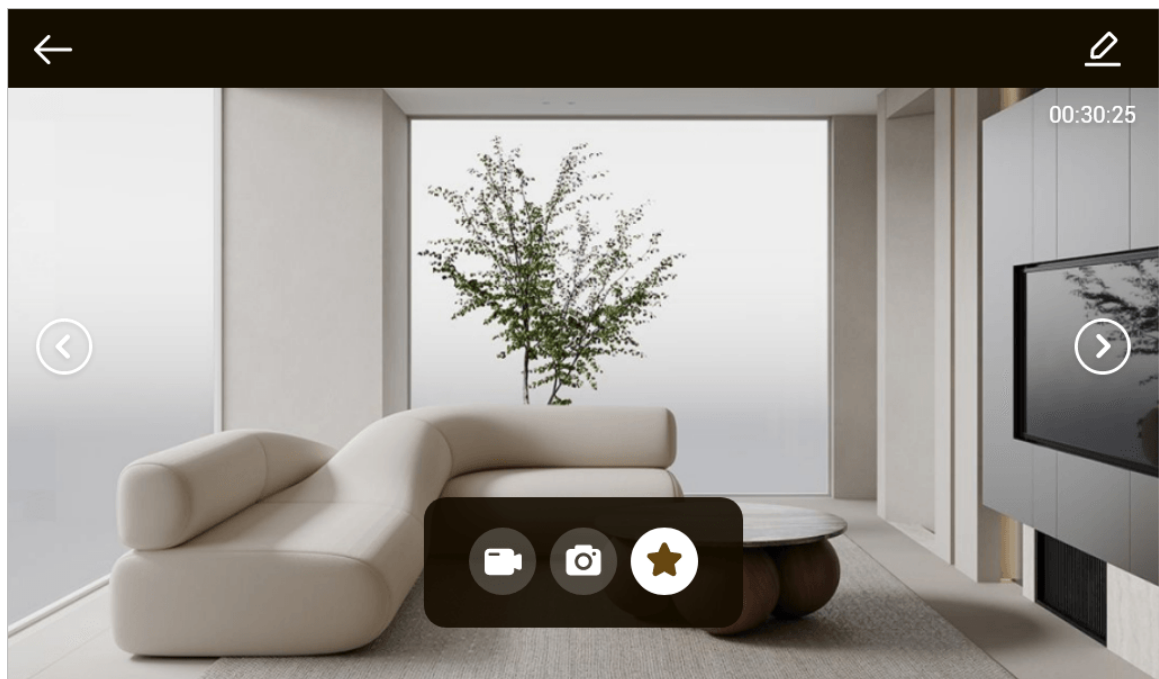
Monitor the IPC.

Procedure

Step 1 Select **Monitor** > .

Step 2 Tap  to monitor the IPC.

Figure 3-24 Monitoring IPC



3.5.3 Favorites

Displays the VTO, fence station or IPC that have been added to favorites.

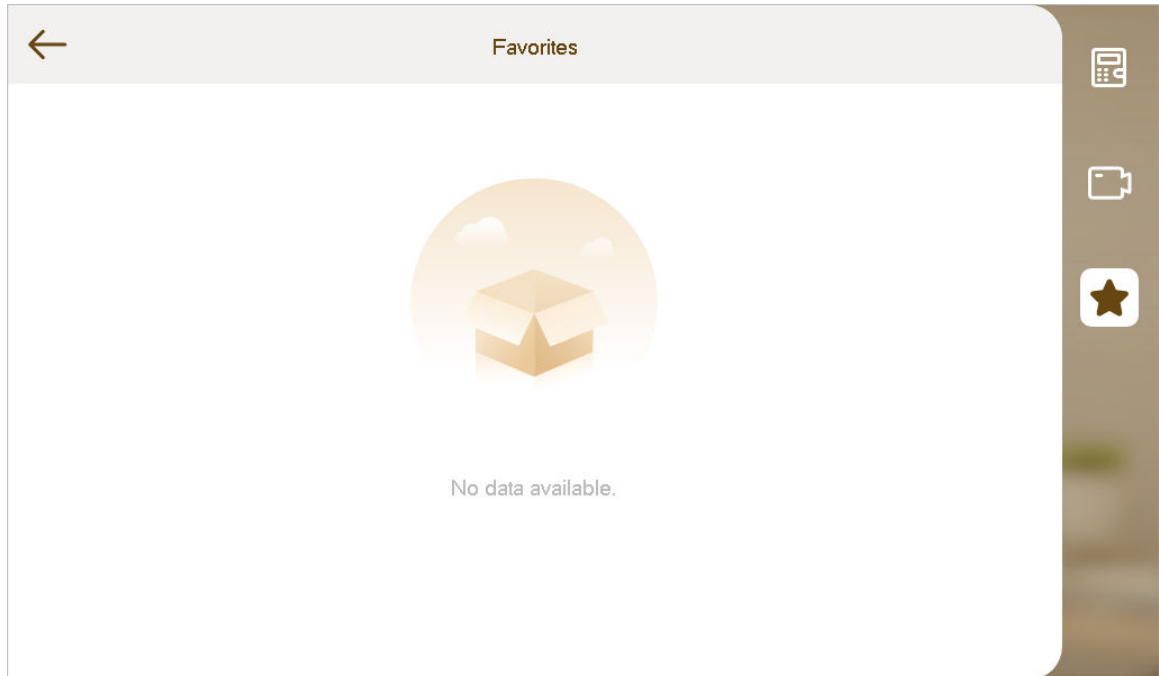



To view favorite list, please ensure that VTO, fence station or IPC have been added to favorites. Otherwise, the list is empty.

Procedure



Step 1 Select **Monitor** > .

Figure 3-25 Favorites



Step 2 Select the device to be monitored, and tap .

The system displays monitoring interface. In case of multiple devices in **Favorites** tab,

tap  /  to switch and monitor them.

3.6 Setting

3.6.1 Call Settings

Set VTO ring, VTH ring, alarm ring and other rings.



- There is an SD card on the VTH, and users can import ring tones to the SD card.
- Ring tones must be stored in the /Ring folder at the root directory of the SD card.
- The SD card is available on select models.
- Audio files must be .pcm, .mp3 or .wav files (audio files of other formats cannot be played if you change their extension names).
- Audio file size must be less than 100 KB.
- Ring tone format: .pcm, .mp3, .wav.
- You can only customize 10 ring tones. Other ring tones will not be displayed at the VTH.

3.6.1.1 VTH Ring

Set the ring for this VTH.

Procedure

Step 1 Select **Setting** > .

Figure 3-26 Call setting (1)

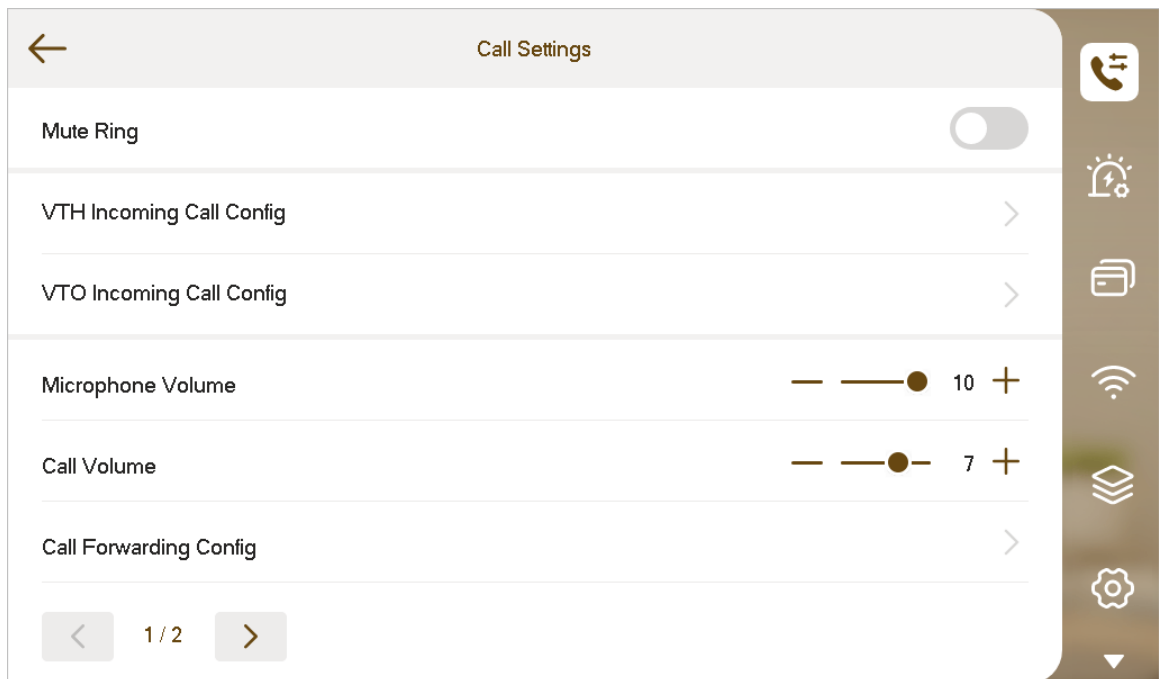
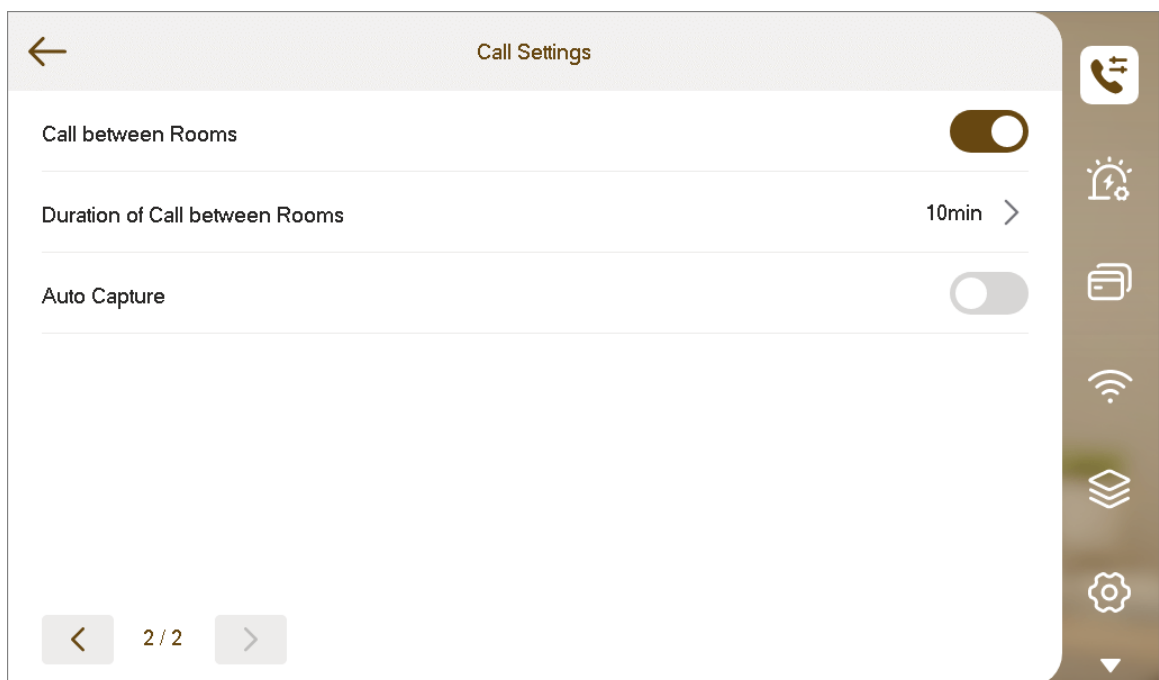


Figure 3-27 Call setting (2)



Step 2 Tap **VTH Incoming Call Config**, and then configure the parameters.

Figure 3-28 VTH ring setting

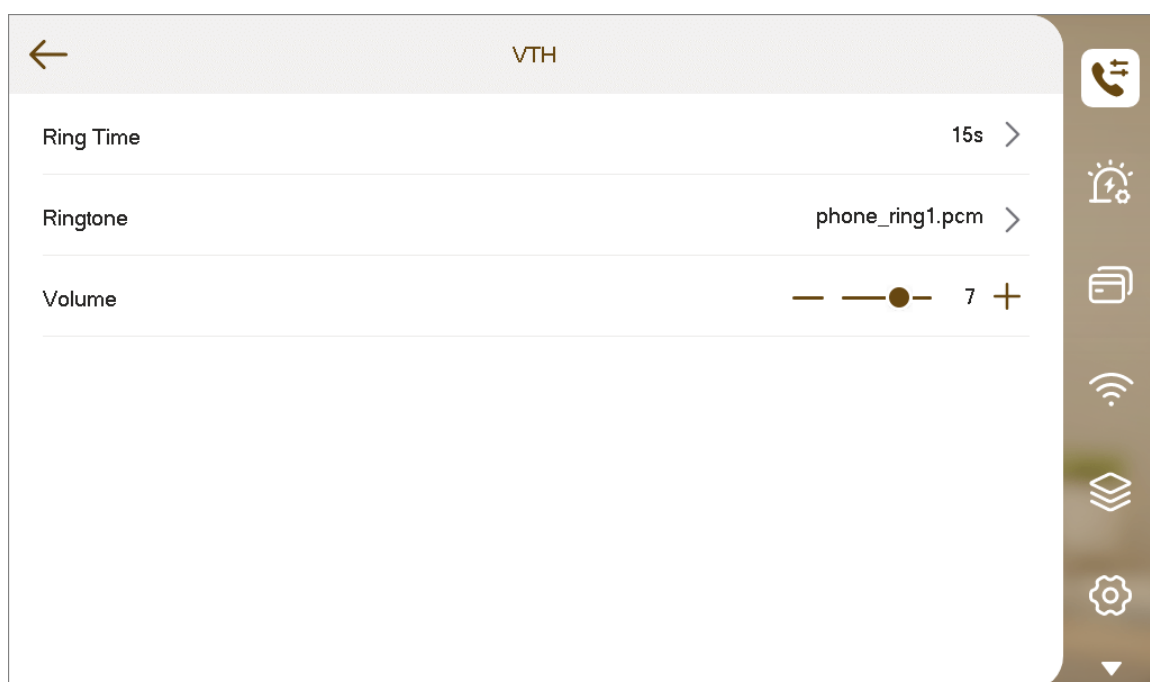


Table 3-5 VTH ring parameters description

Parameter	Description
Ring Time	Configure the ring time when another VTH calls this VTH. You can configure the time from 5 s to 120 s. It is 15 s by default.
Ringtone	Select the ringtone for the incoming call.
Volume	Tap + and – to adjust the volume.

3.6.1.2 VTO Ring

Set a ring for the connected VTO, and the device supports to set maximum 20 VTOs.

Procedure

- Step 1 Select **Setting** > .
- Step 2 Tap **VTO Incoming Call Config**, and then configure parameters.

Figure 3-29 VTO ring setting

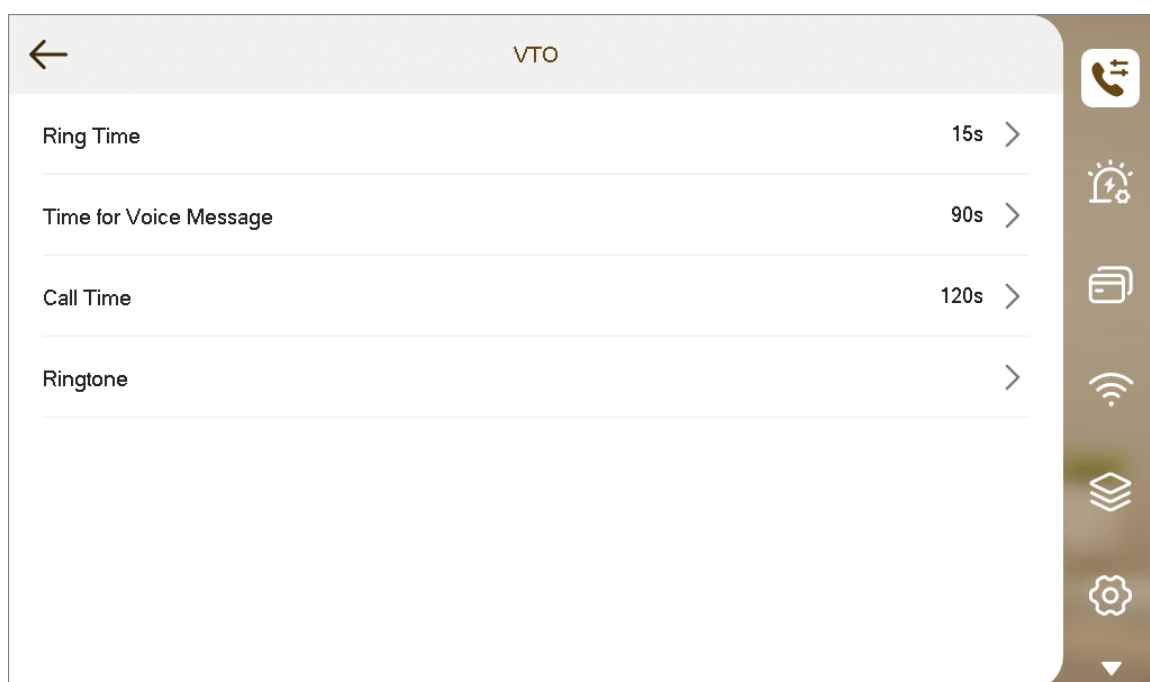



Table 3-6 VTO ring parameters description

Parameter	Description
Ring Time	Configure the ring time when a VTO calls this VTH. You can configure the time from 5 seconds to 120 seconds.
Time for Voice Message	Configure the time for voice message. You can configure the time from 0 seconds to 90 seconds.
Call Time	<ul style="list-style-type: none"> Configure the call time for the incoming call. You can configure the time from 15 seconds to 300 seconds. <p></p> <p>If the value is set to less than 5, the message leaving is disabled. If the value is set to 0, you cannot leave messages.</p>
Ringtone	Select the ringtone and adjust the volume for the VTOs.

3.6.1.3 Forward Setting

Forward incoming calls.



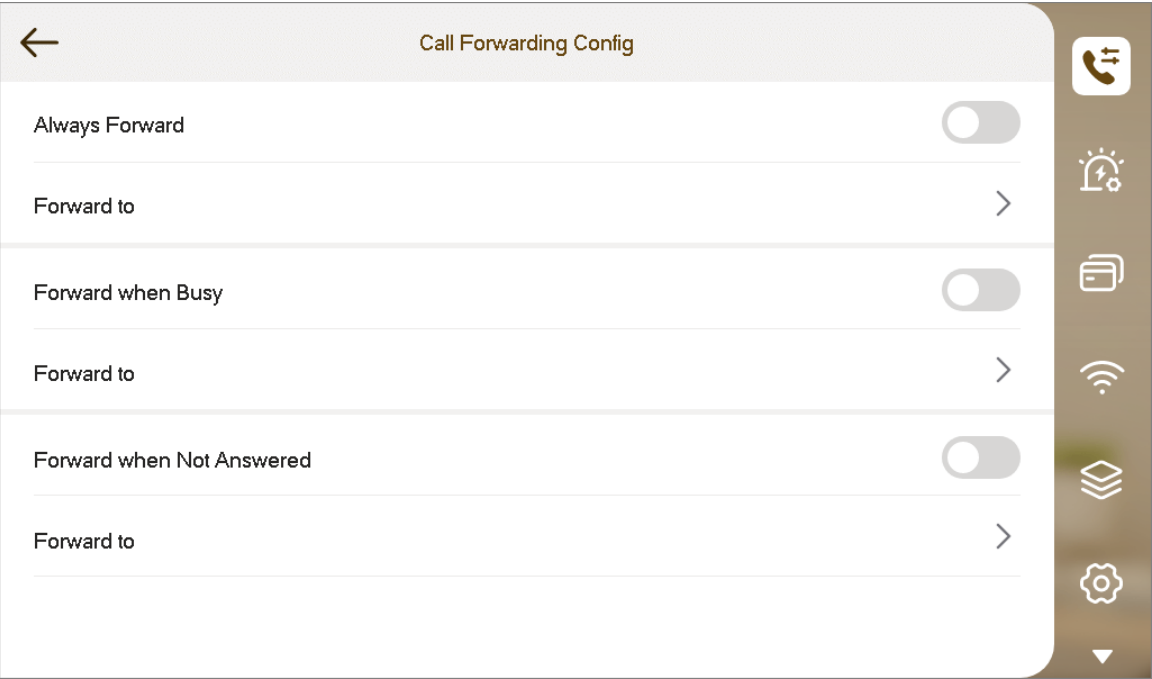
Parameters at this interface are set on main VTH only, and extension VTH synchronizes with the main VTH.


Procedure

Step 1 Select **Setting** > .

Step 2 Tap **Call Forwarding Config**.

Figure 3-30 Call forwarding




Step 3 Enter the VTH number in the corresponding forward mode, and then tap  to enable the forward function.



- If you enable 3 functions at the same time, the forward priority is **Always Forward** > **Forward when Busy** > **Forward when Not Answered**.
- If the call is hang up, the call will be forwarded to the number that configured in **Forward when Busy**.

Table 3-7 Description of call forwarding parameters

Parameter	Description
Always Forward	All incoming calls will be forwarded to the preset number immediately.
Forward when Busy	When the user is busy, incoming call from the third party will be forwarded to the preset number.
Forward when Not Answered	If no one answers after VTH ring time, the incoming call will be forwarded to the preset number. Set VTH ring time at Setting >  > VTH Incoming Call Config on the screen.



- To forward to a user of another building or unit, the forward number is Building + Unit + VTH room number. For example, input 1#1#101 for 101 of Unit 1, Building 1.
- To forward to a user of the same unit, the forward number is VTH room number.
- To forward to the app, the forward number should be the group number of the current VTH.
- To forward to the platform, the forward number is 888888 by default.

3.6.1.4 Other Ring Settings

Set MIC volume, talk volume and ring mute function.



VTO Ring and **VTH Ring** of extension VTH are synchronized with main VTH, and cannot be set.

Procedure

Step 1 Select **Setting** >

Figure 3-31 Call setting (1)

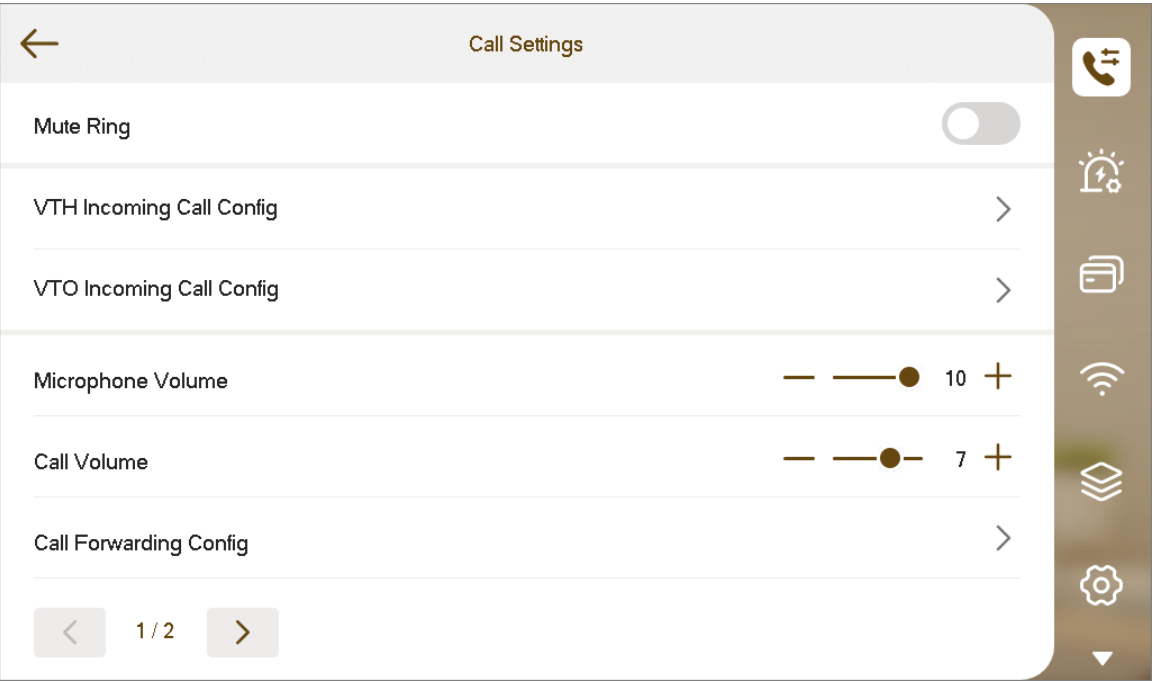
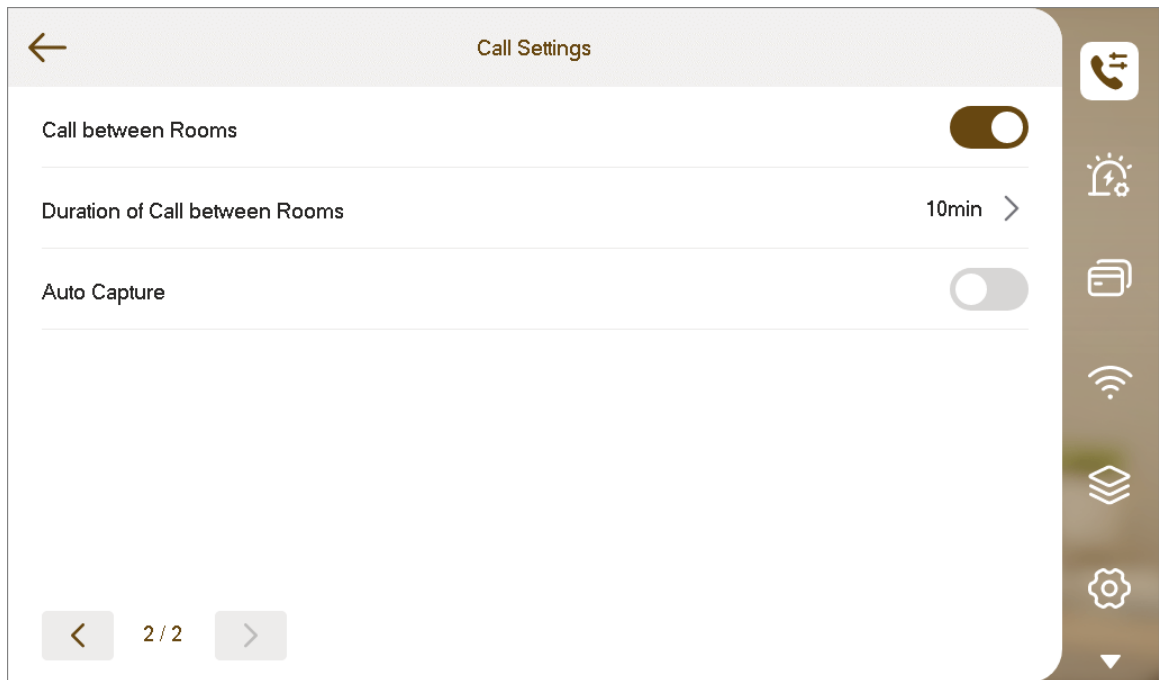


Figure 3-32 Call setting (2)



Step 2 Configure the parameters.

Table 3-8 Description of call setting parameters

Parameter	Description
Mute Ring	Tap to enable Mute Ring .
Microphone Volume	Tap + and – to adjust the microphone volume.
Call Volume	Tap + and – to adjust the call volume.
Call between Rooms	Tap to enable this function.
Duration of Call between Rooms	Configure the duration of call between rooms. You can configure the time from 5 min to 60 min.
Auto Capture	<p>Tap to enable Auto capture. After enabled, one picture will be captured automatically when the VTO calls the VTH. Tap Info > to view them..</p> <p></p> <ul style="list-style-type: none"> • An SD card is needed for this function. • After enabling auto capture, Auto Delete Snapshots after Call Answered will be displayed, which when turned on, snapshots will be deleted if the VTH answers the call.

3.6.2 Alarm Setting

Set wired zone, call linkage and alarm volume



Zones can be set under disarm mode.

3.6.2.1 Wired Zone

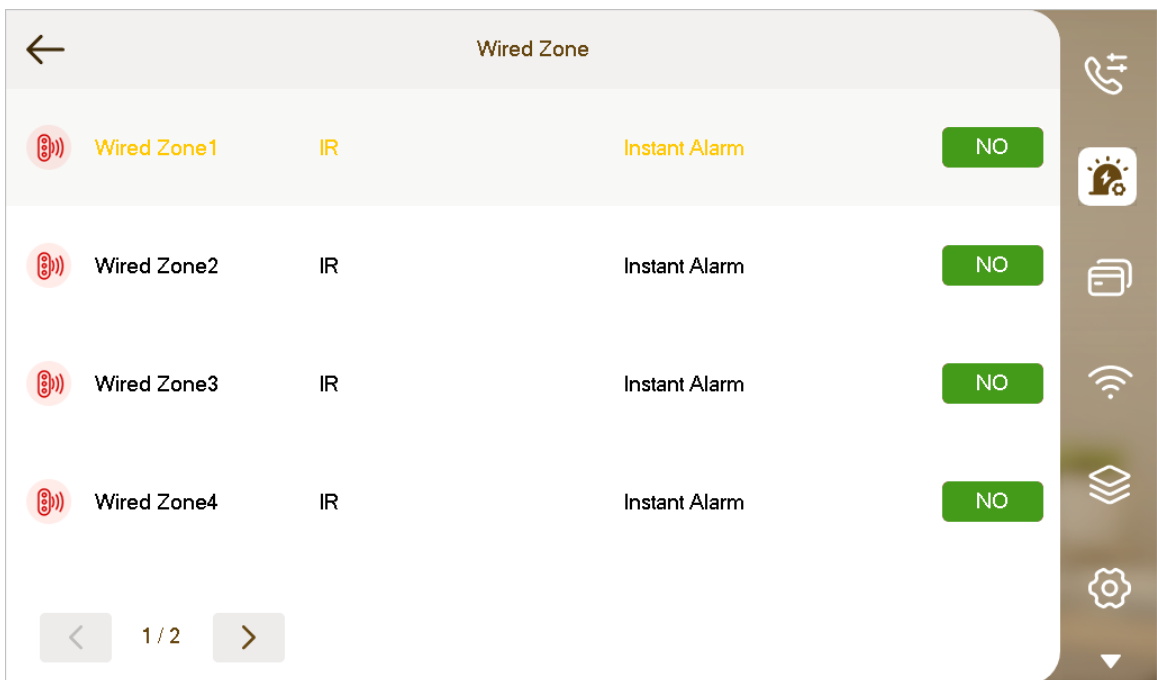
Set zone type, alarm status and delay time. You can set up to 8 zones.

Procedure

Step 1 Select **Setting** > .

Step 2 Tap **Wired Zone**.

Figure 3-33 Wired zone





Step 3 Tap the wired zone name to configure the zone.

Figure 3-34 Zone settings

Table 3-9 Description of wired zone parameters

Parameter	Description
Zone No.	The number cannot be modified.
Zone Type	Select the corresponding type according to the detector type, including IR, gas, smoke detector, emergency button, door detector, burglar, perimeter and doorbell. Different types have different icons displayed.
NO/NC	Select NO (normally open) or NC (normally closed) according to the detector type. It must be the same as the detector type.
Alarm Status	<ul style="list-style-type: none"> ● Instant Alarm : When armed, if an alarm is triggered, the device produces a siren at once and enters the alarm status. ● Delay Alarm : When armed, if an alarm is triggered, the device enters the alarm status after a specified time, during which you can disarm and cancel the alarm. ● Bypass : Alarms will not be triggered in the area. After the area is disarmed, it will be restored to its normal working status. ● Remove : The area is invalid during arming and disarming. ● 24 Hour : Alarms will be triggered all the time in the area, regardless of whether it is armed or disarmed. <div> <p>A zone in the Remove status cannot be bypassed.</p> </div>

Parameter	Description
Entry Delay Time	<p>Configure the time.</p> <p>After configuring the Delay Alarm status for the area, if you enter the area from an unarmed area within the delay time, a linkage alarm will not be triggered. If the delay time comes to an end and the area is not disarmed, a linkage alarm will be triggered.</p>  <p>The configured time is only effective in areas with Delay Alarm.</p>
Exit Delay Time	<p>Configure the time.</p> <p>After configuring the Delay Alarm status for the area, if the delay time comes to an end, the area will enter the arming status.</p>  <ul style="list-style-type: none"> • The configured time is only effective in areas with Delay Alarm. • If multiple areas have an exit delay time configured, a prompt will appear stating the maximum delay time.

3.6.2.2 Wireless Zone

Add, delete and set wireless zones.



- For devices with the wireless function, the **Wireless Zone** tab would appear after you enable **Wireless Alarm** in **General Setting** > **Other**.
- The actual screen of the **Wireless Zone** might differ depending on the model you use. The image is for reference only.

Procedure

- Step 1 Select **Setting** > .
- Step 2 Tap **Wireless Zone**.

Figure 3-35 Wireless zone



Step 3 Tap **Add**.

Step 4 Tap the wireless code button on the wireless device. See wireless device user's manual for details.

After coding is successful, the area information will be displayed.

Step 5 Tap the wireless zone name to configure the zone.

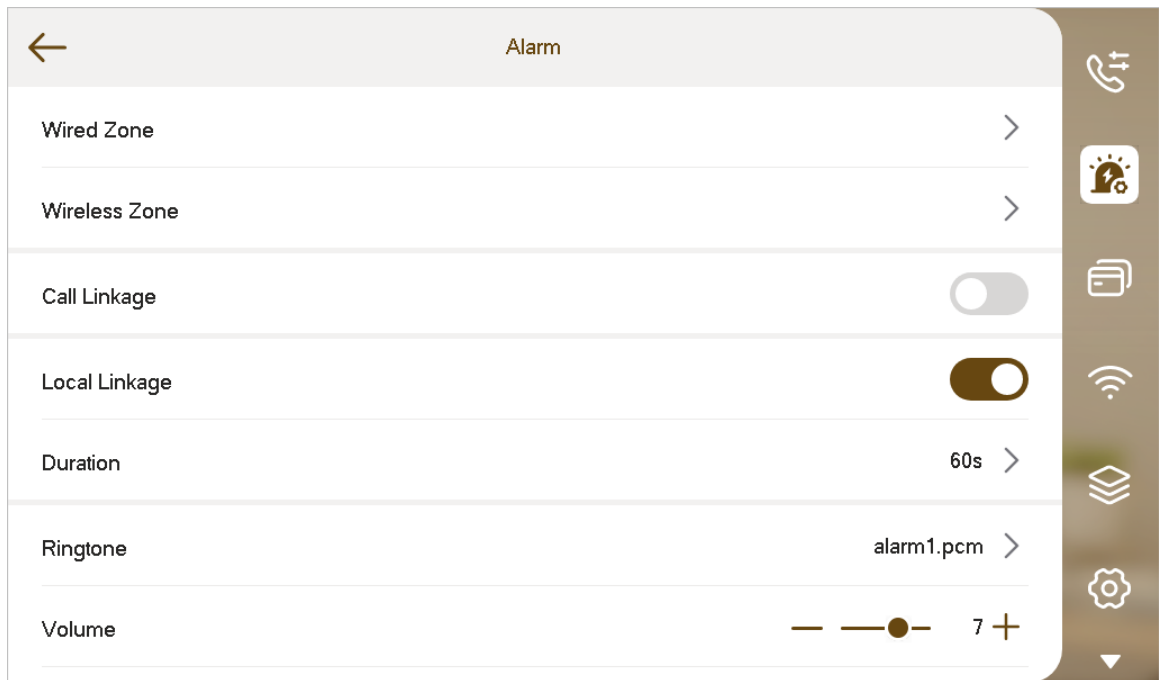
3.6.2.3 Other Alarm Settings

Set call linkage, local linkage, the ringtone and the volume.

Procedure

Step 1 Select **Setting** > .

Figure 3-36 Alarm setting



Step 2 Configure the parameters.

Table 3-10 Description of other alarm settings

Parameter	Description
Call Linkage	If enabled, there will be alarm output when you call.
Local Linkage	If enabled, there will be alarm output of the local alarm device that links with the VTH.
Duration	Configure the alarm duration from 5 seconds to 120 seconds.
Ringtone	Select the ringtone
Volume	Tap + and – to adjust the call volume.

3.6.3 Card Management

Issue and manage card information.



This function is only available when you select **Villa** as the device scene during the initialization.

Procedure

- Step 1** Click **Issue Card**.
- Step 2** Swipe the card on the corresponding VTO.
- Step 3** The card information will be added to the VTH. Select from **Lock 1** and **Lock 2** to assign unlock permissions.
- Step 4** Click **Confirm**.



Tap **Delete** to delete the card information.

3.6.4 WLAN

- The WLAN function is only available on select models.
- Use a router with secured encryption protocols.
- The wired network IP and the WLAN IP cannot be set in the same segment.

WLAN



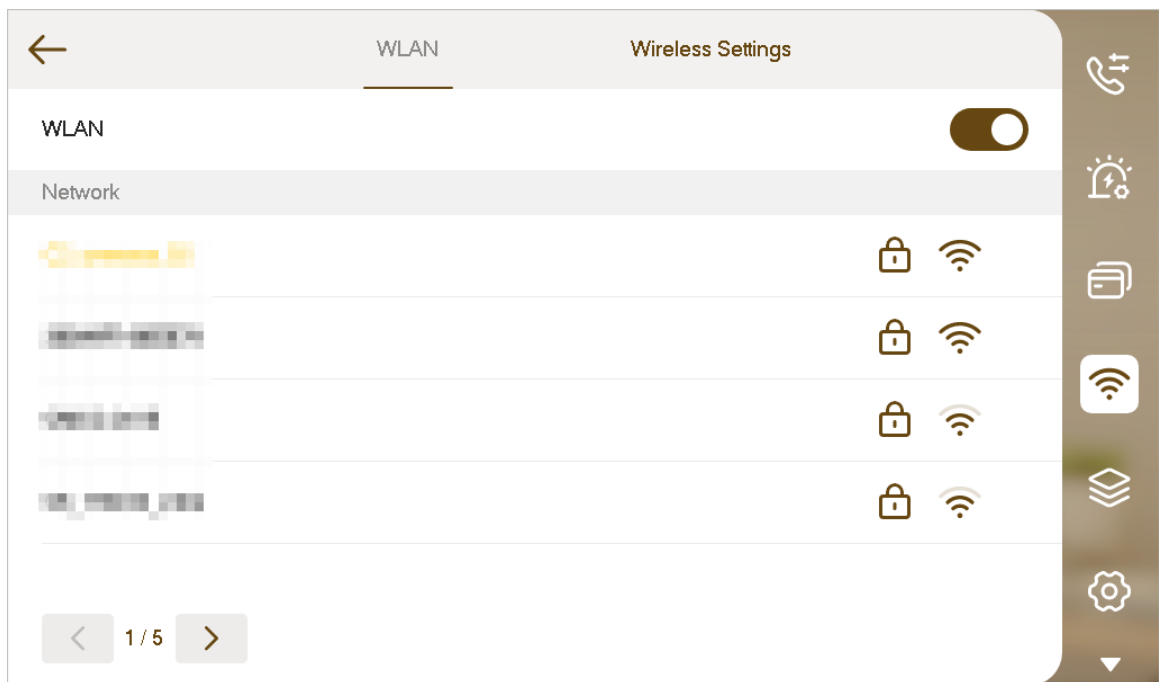

1. Select **Setting** > , and then tap **WLAN**.
2. Tap , select a Wi-Fi, and then enter the password to connect to the network.

Figure 3-37 Wi-Fi



Wireless IP

1. Select **Setting** > .
2. Tap **Wireless Settings**.
3. Enter the IP address, subnet mask and the gateway, and then tap **OK**.



You can also tap **Wireless Settings**, and turn on **DHCP** to obtain the information automatically.

3.6.5 Mode Setting

Set the area status under different modes.



Area mode can only be set when the system is disarmed.

Procedure

Step 1 Select **Setting** >

Step 2 Select any or the 4 arming modes.

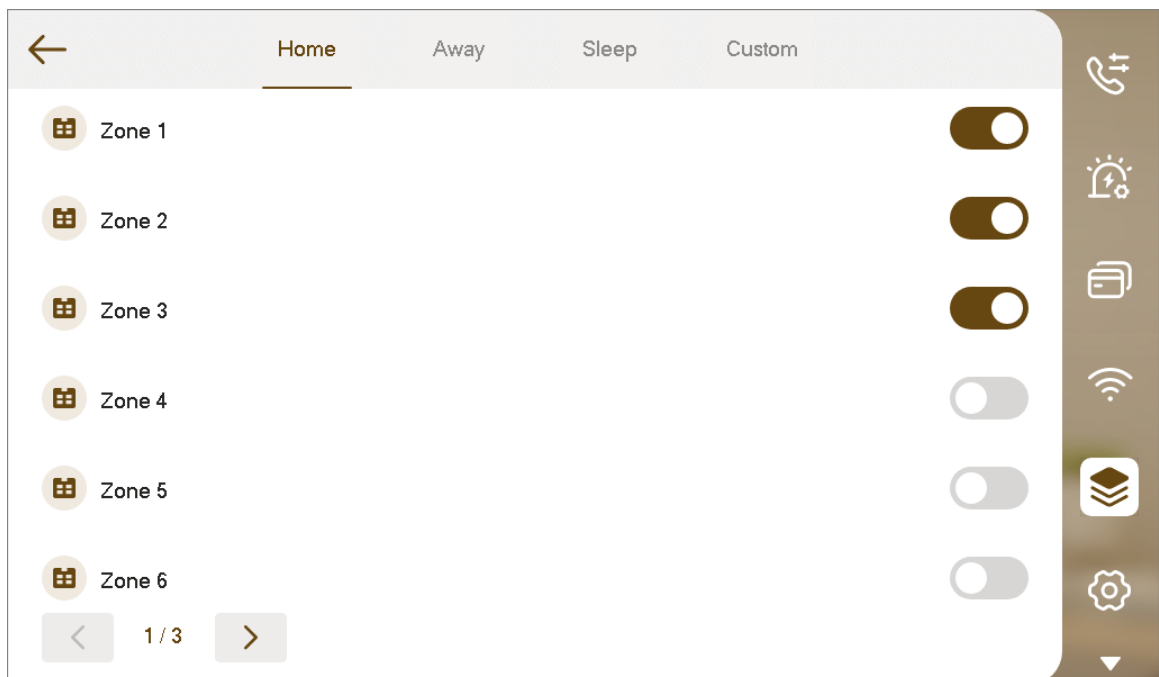
- **Home:** Arm the system when you are inside the area of the alarm system.
- **Away:** Arm the system when you leave the area of the alarm system.
- **Sleep:** Arm the system when you are in the sleep time.
- **Custom:** Arm the system based on your customized needs.

Step 3 Turn on or turn off the area you selected to enable or disable the arm mode.



- Multiple areas can be added into one arm mode at the same time.
- One area can be added into different modes.

Figure 3-38 Mode setting area

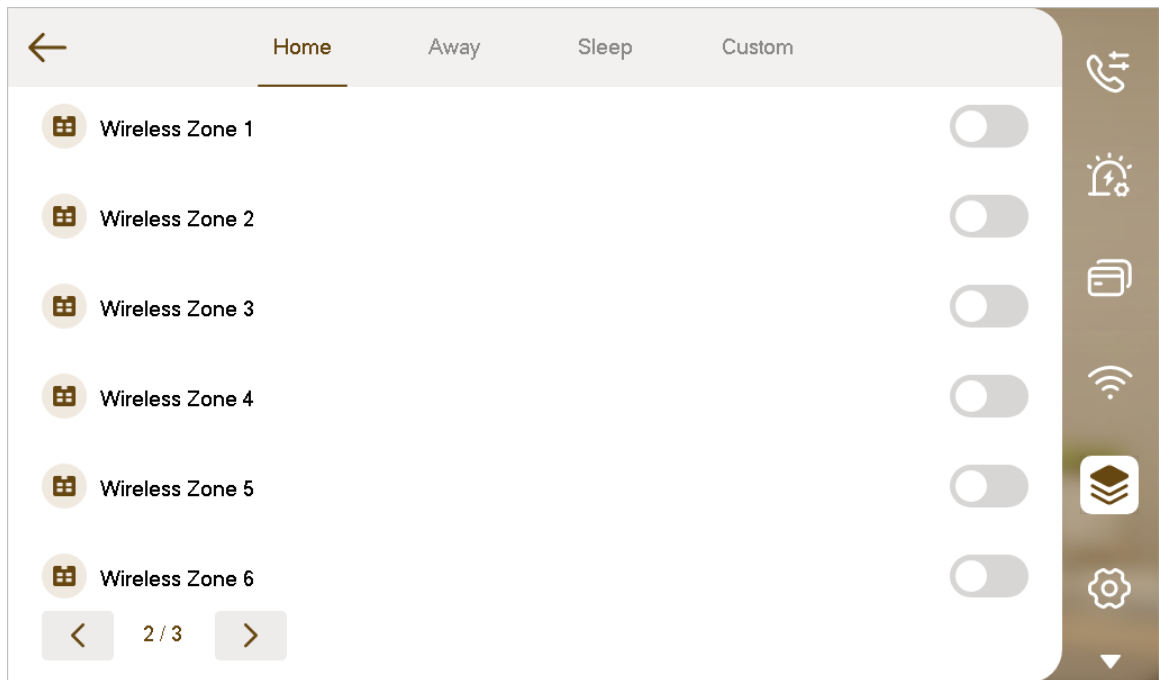


Step 4 (Optional) Tap to page down the screen to **Wireless Zone**. Turn on the area to add it to the arm mode, or turn off the area to remove it from the arm mode.



- For devices with the wireless function, the wireless zone can be configured after you enable **Wireless Alarm** in **General Setting** > **Other**.
- Multiple areas can be added into one arm mode at the same time.
- One area can be added into different modes.

Figure 3-39 Wireless area



3.6.6 General Setting

Set VTH time, display, password and others.

3.6.6.1 Time Setting and DND

Set VTH system time, and DND.



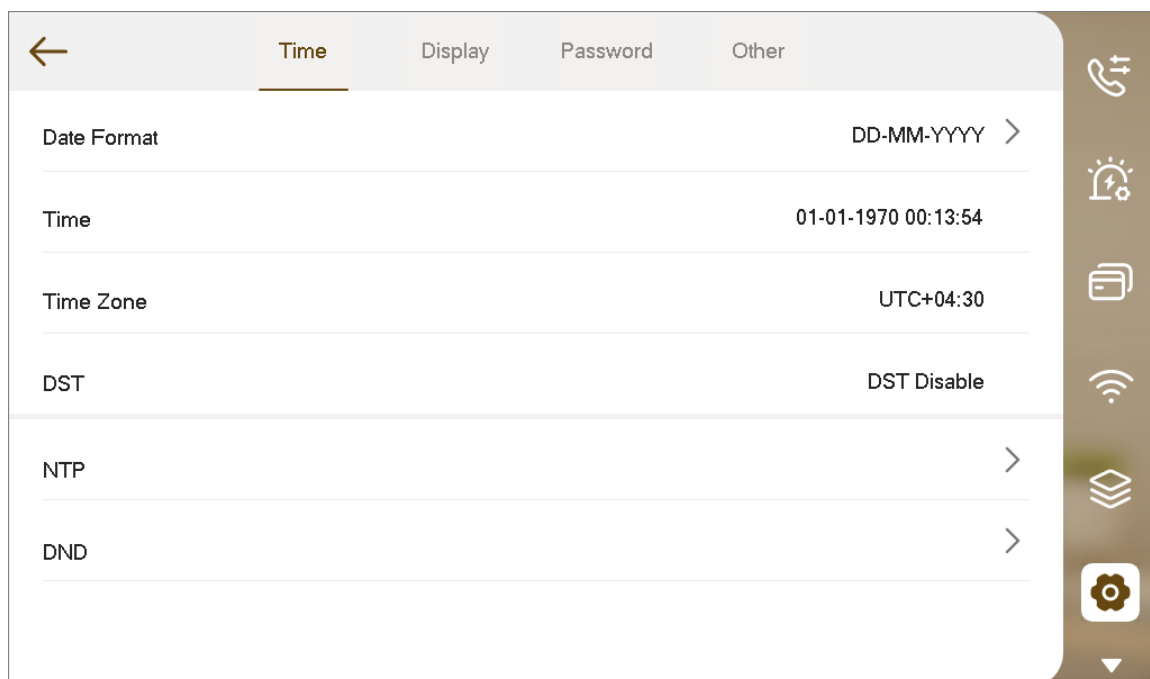
Parameters at this screen are set on main VTH only, and extension VTH synchronizes with main VTH.

Procedure

Step 1 Tap **Setting**.

Step 2 Select  > **Time**.

Figure 3-40 Time setting

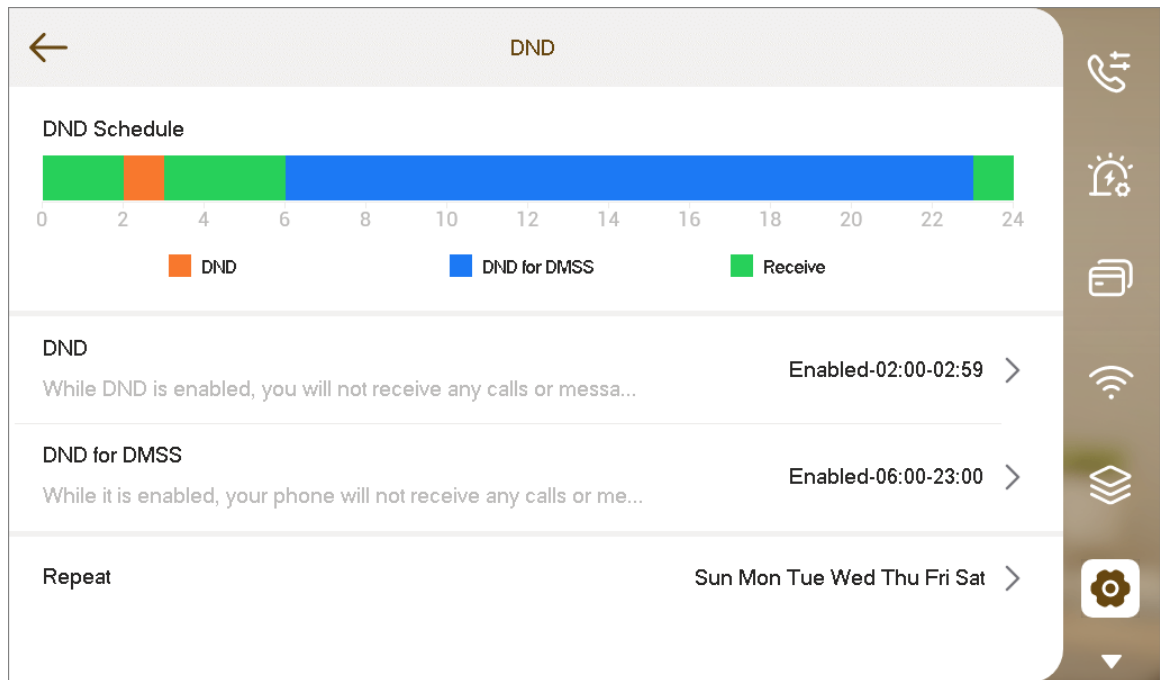



Step 3 Configure the time parameters.

- Select the date format and the time zone.
- Tap **DST**.
 - ◇ **DST** is disabled by default.
 - ◇ If **DST** is enabled, configure the daylight savings time.
- Tap **NTP**.
 - ◇ If enabled, configure the address, port of the NTP server and the interval. The VTH will synchronize time with the NTP server.
 - ◇ If you turn off **NTP**, configure the time and time zone manually.
- Tap **DND**.

If enabled, configure the start and end time of the device or for DMSS, and then select the days that you want to repeat the DND mode. You will not receive any call or message on the device and DMSS during this period.

Figure 3-41 Configure DND rules



You can directly enable **DND** by tapping  on the home screen. Tap it again to turn it off.

3.6.6.2 Display Setting

Set VTH screen brightness, screensaver time and turn off the screen to clean it.



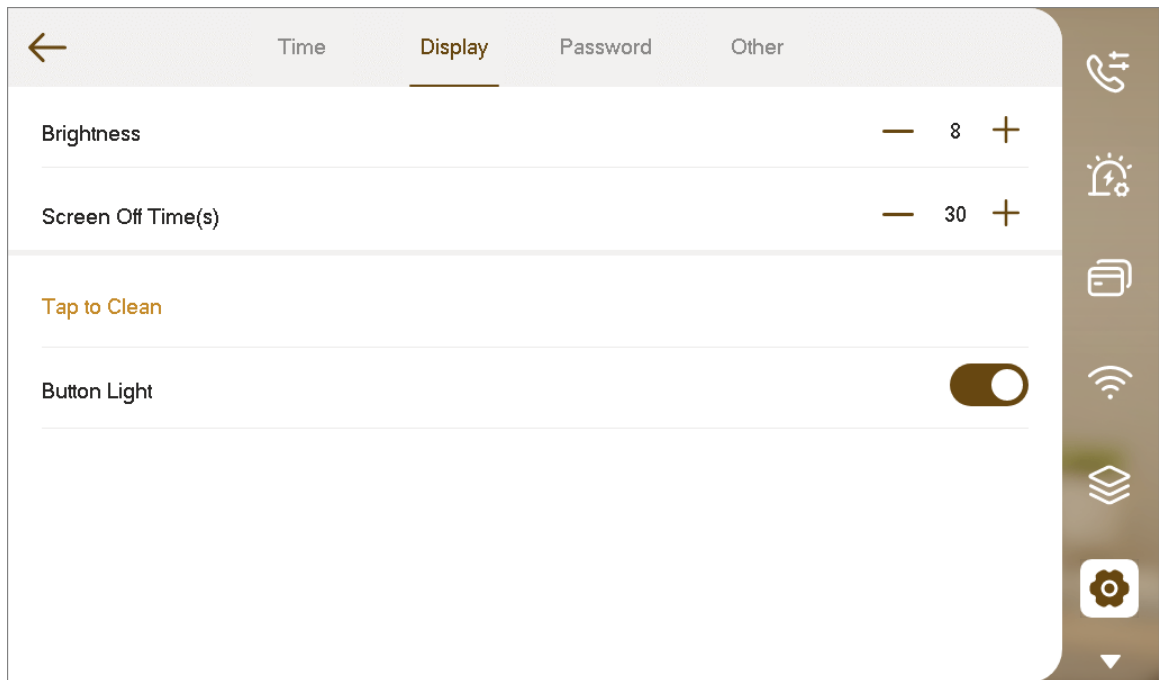
The snapshots are for reference only, and might differ from the actual screen.

Procedure

Step 1 Tap **Setting**.

Step 2 Select  > **Display**.

Figure 3-42 Display



Step 3 Set parameters.

- **Brightness:** The brightness of the VTH screen. Adjust the brightness by taping + or –.
- **Screen Off Time(s):** The screen will automatically turn off after a define time of inactivity. Adjust the time by taping + or –.
- **Tap to Clean :** Tap it, and then the screen will be turned off and locked for 30 seconds. During the period, clean the screen.
- **Button Light :** Enable it, and then the button on the device will light.



This function is only available for select model.

3.6.6.3 User Password Setting

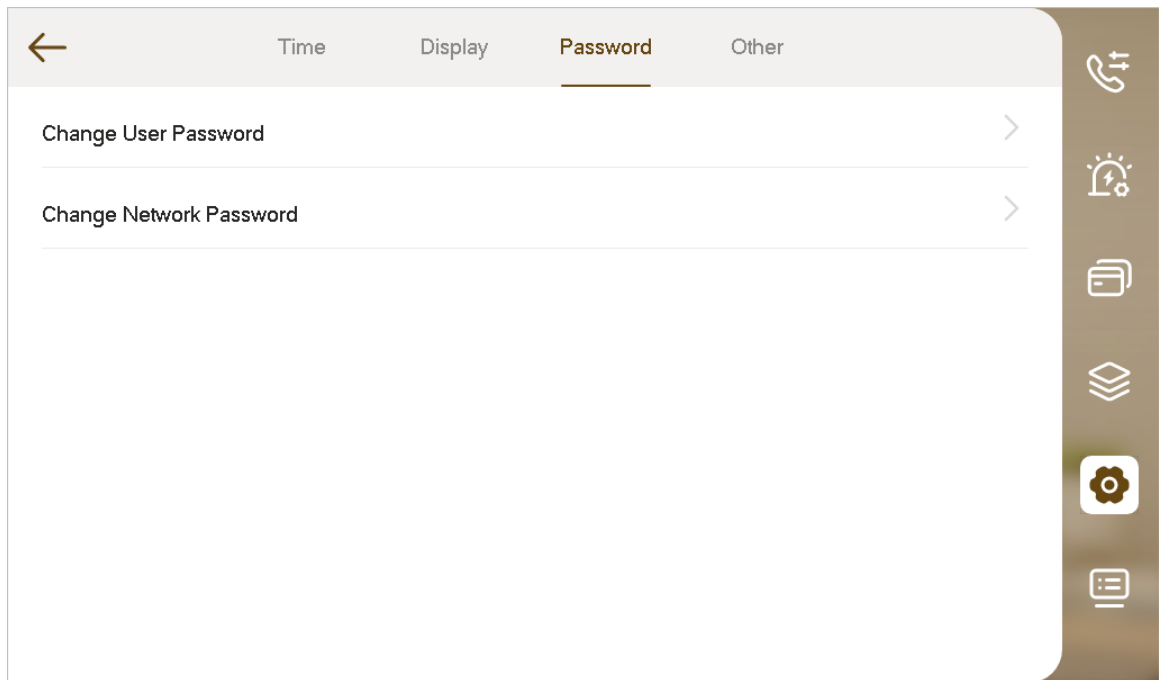
The user password is used to enter the arm and disarm mode and unlock doors. You can change the password.

Procedure

Step 1 Tap **Setting**.

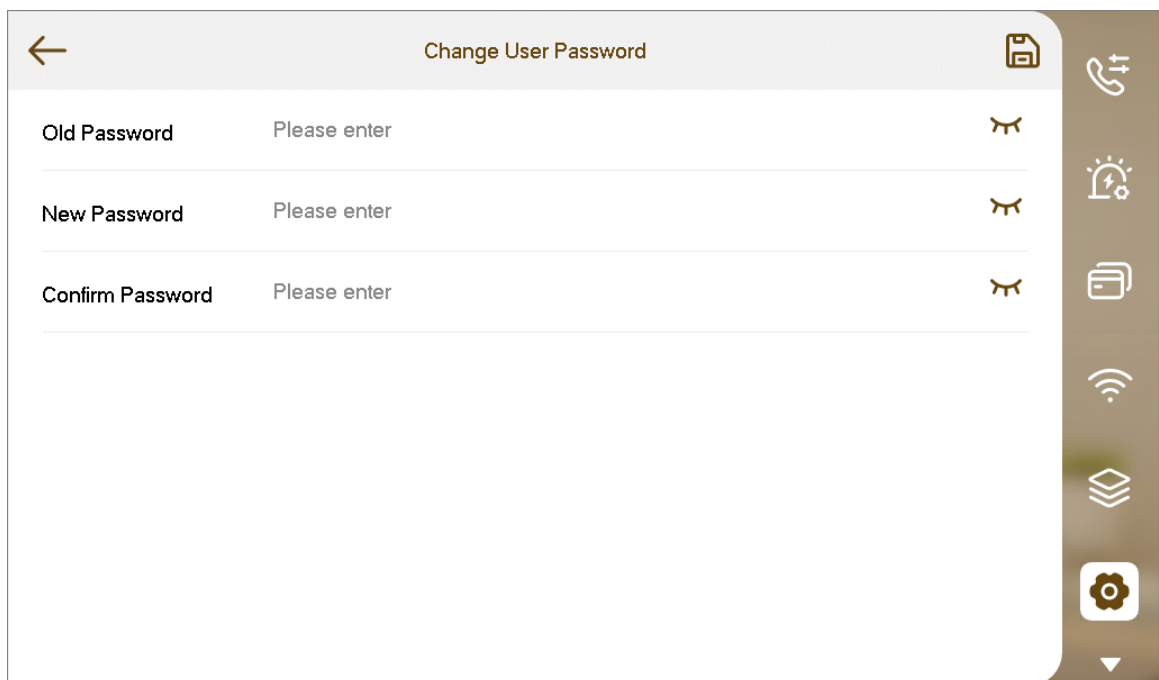
Step 2 Select  > **Password**.


Figure 3-43 Password



Step 3 Tap **Change User Password**, and then enter the old password, new password and then confirm password.

Figure 3-44 User password




Step 4 Tap  to save the configuration.

3.6.6.4 Network Password Setting

The network password is used when adding the VTH to the DMSS app.

3.6.6.4.1 Creating Network Password

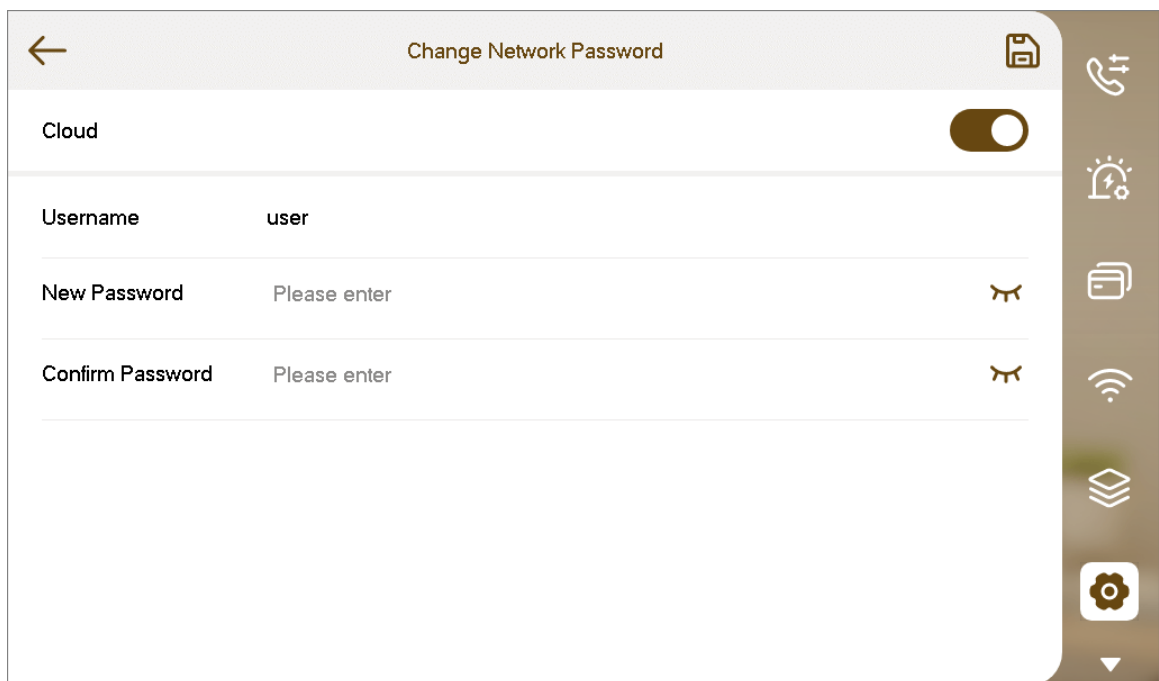
Procedure

- Step 1 On the home screen, select **Setting** >  > **Password**.
- Step 2 Tap **Change Network Password**.
- Step 3 Enable the cloud function.
- Step 4 (Optional) Enter the password you planned and then confirm it.



- The user name is **user** by default.
- The password must consist of 8 to 16 characters.

Figure 3-45 Network password



- Step 5 Tap .

3.6.6.4.2 Changing Network Password

Change your current network password.

Procedure


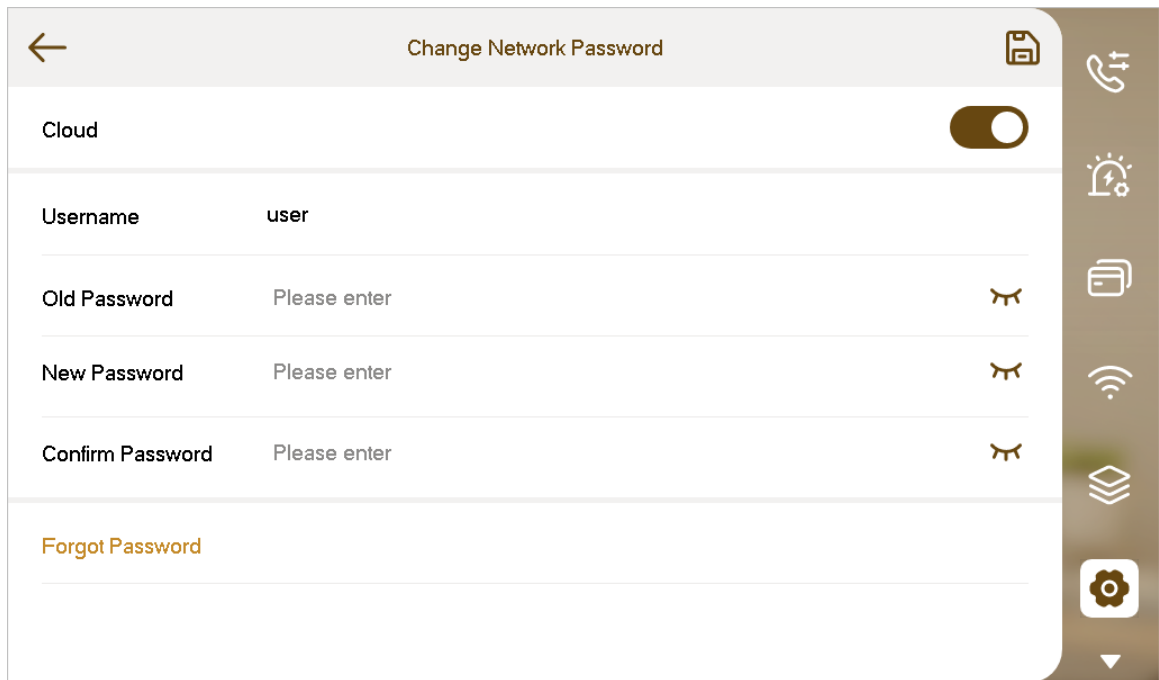
- Step 1 On the home screen, select **Setting** >  > **Password**.
- Step 2 Tap **Change Network Password**.
- Step 3 Enter the old password, new password and then confirm it.

Figure 3-46 Network password




Step 4 Tap .

3.6.6.4.3 Resetting Network Password

When you forget your network password, you can reset it to create a new one.

Procedure

Step 1 On the home screen, select **Setting** >  > **Password**.

Step 2 Tap **Change Network Password**.

Step 3 Tap **Forgot Password**, enter the password that you configure during the initialization in the **Password Verification** window, and then enter the new password and confirm it.

Step 4 Tap .

3.6.6.5 Other Settings

Set monitor time, record time and touch sound.



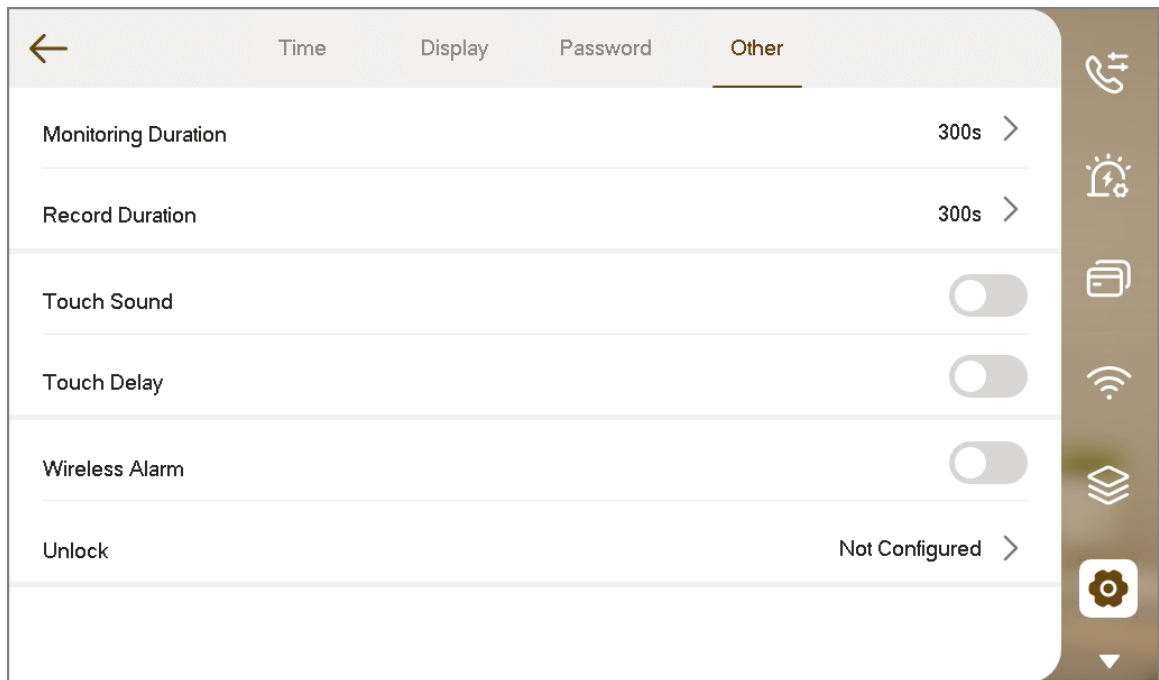
Extension VTH can set touch sound, touch delay and 433, but other parameters synchronize with main VTH and cannot be set.

Procedure

Step 1 Tap **Setting**.




Step 2 Select  > **Other**.

Figure 3-47 Other settings



Step 3 Configure the parameters.

Table 3-11 Description of other setting parameters

Parameter	Description	Operation
Monitoring Duration	Maximum time to monitor VTO, IPC and fence station.	Configure the time. The monitoring duration can be configured from 15 s to 7200 s.
Record Duration	Maximum recording time of videos during call, talk, monitoring and speaking. The system stops recording at the end of recording time.	Configure the time. The Record duration can be configured from 15 s to 300 s.
Touch Sound	After enabling touch sound, there will be a ring when touching the screen.	Tap  to enable the function. The icon becomes  .
Touch Delay	After enabling touch delay, you need to press for longer time to call the management center.	
Wireless Alarm	After enabling Wireless Alarm function, the devices that supports wireless function would have a Wireless zone tab appeared in the alarm configuration.	
Unlock	Tap  to configure the unlock rules.	

3.6.7 System Information

View the system version, select the language and view the SD card status.

Select **Setting** > .

View the version of system, security baseline and the firmware. Configure the parameters as needed.

Figure 3-48 System information (1)

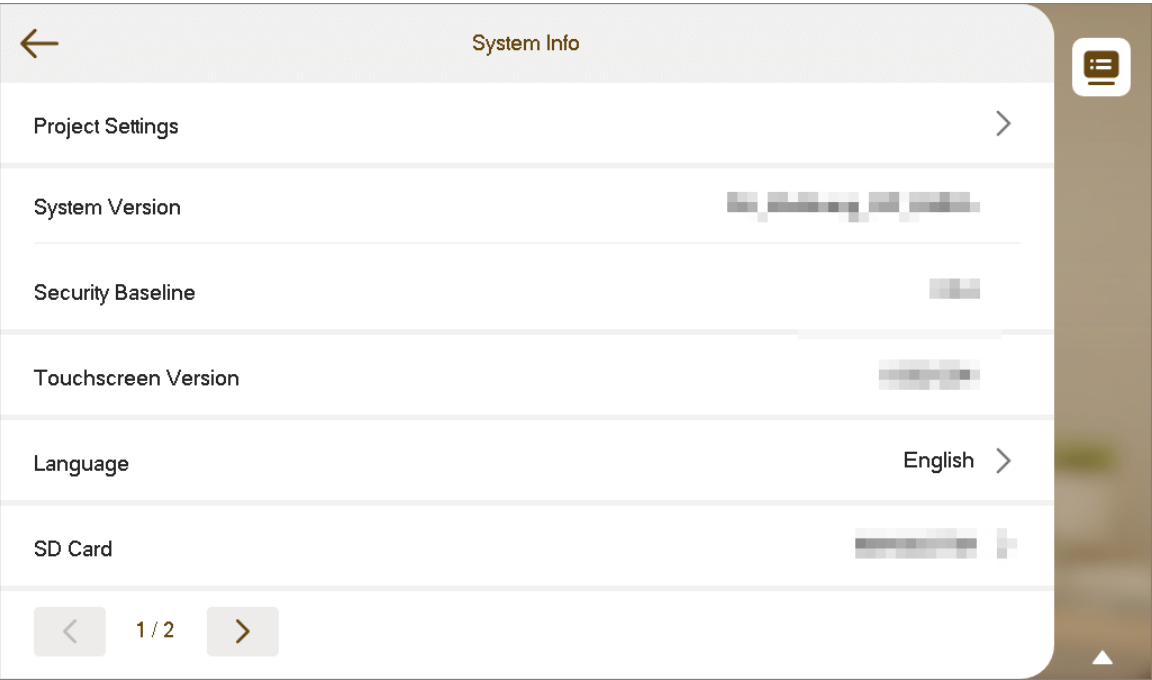


Figure 3-49 System information (2)

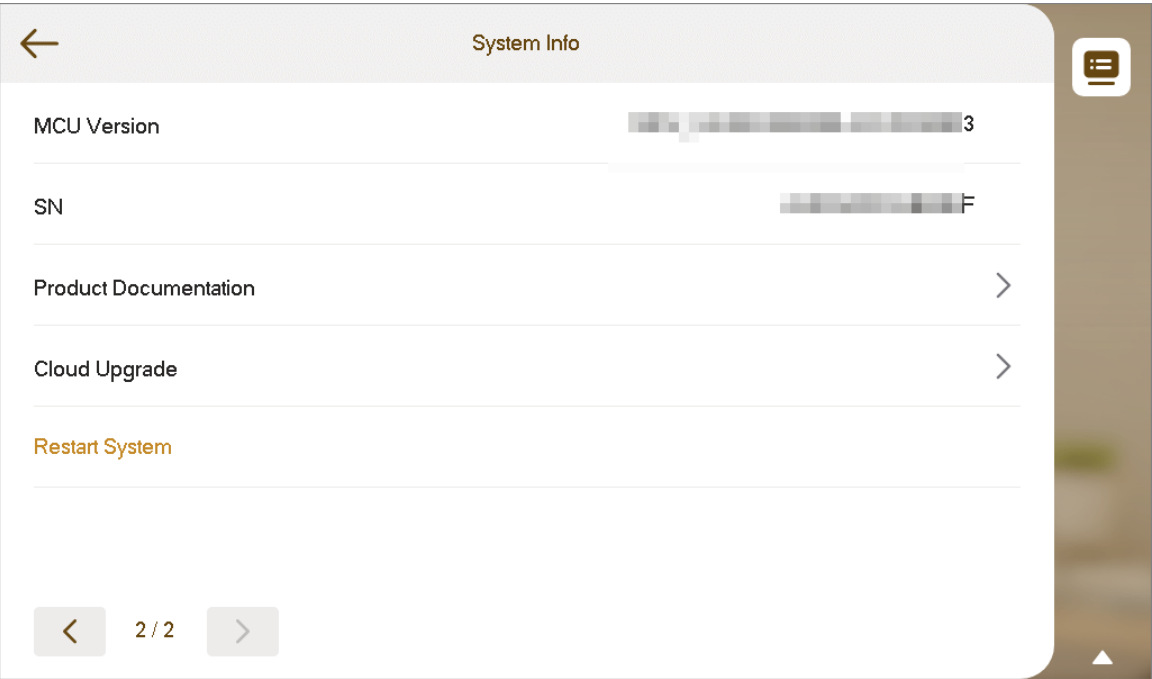



Table 3-12 Description of system information parameters


Parameter	Description
Project Settings	Enter the password that you configure during the initialization. Configure the network parameters, SIP server parameters and other information. For details, see "3.7 Project Settings".
Language	Select the language of the device.
SD Card	View the SD card status, including the used capacity and the total capacity. You can eject the SD card or format the SD card.  The SD card is available on select models.
MCU Version	Check the MCU version and SN of the device.
SN	
Product Documentation	Click Product Material , and then scan the QR code to obtain the product material.
Cloud Upgrade	View the current device version and you can enable the cloud update function. For details, see "3.12 Cloud Update".
Restart System	Tap to restart the system.

3.7 Project Settings

3.7.1 Forget Password

If you forget the initial password when entering the project setting, reset password through **Forgot Password?** on the screen.

Procedure

- Step 1 Select **Setting** >  > **Project Settings**.
- Step 2 On the **Password Verification** window, tap **Forgot Password?**.
- Step 3 Scan the QR code with any code-scanning app, bind your email box, and then send it by email to the specified email address on the screen to obtain a security code.
- Step 4 Tap **Next**.
- Step 5 Enter the password and confirm it, and then enter the obtained security code.
- Step 6 Tap **OK** to complete resetting the password.

3.7.2 Network Settings

Procedure




- Step 1 On the main screen, select **Setting** >  > **Project Settings**.
- Step 2 Enter the password, and then tap **OK**.
- Step 3 Tap .
- Step 4 Enter the information, and then tap ; or turn on **DHCP** to obtain the information automatically.

Figure 3-50 Network settings (1)

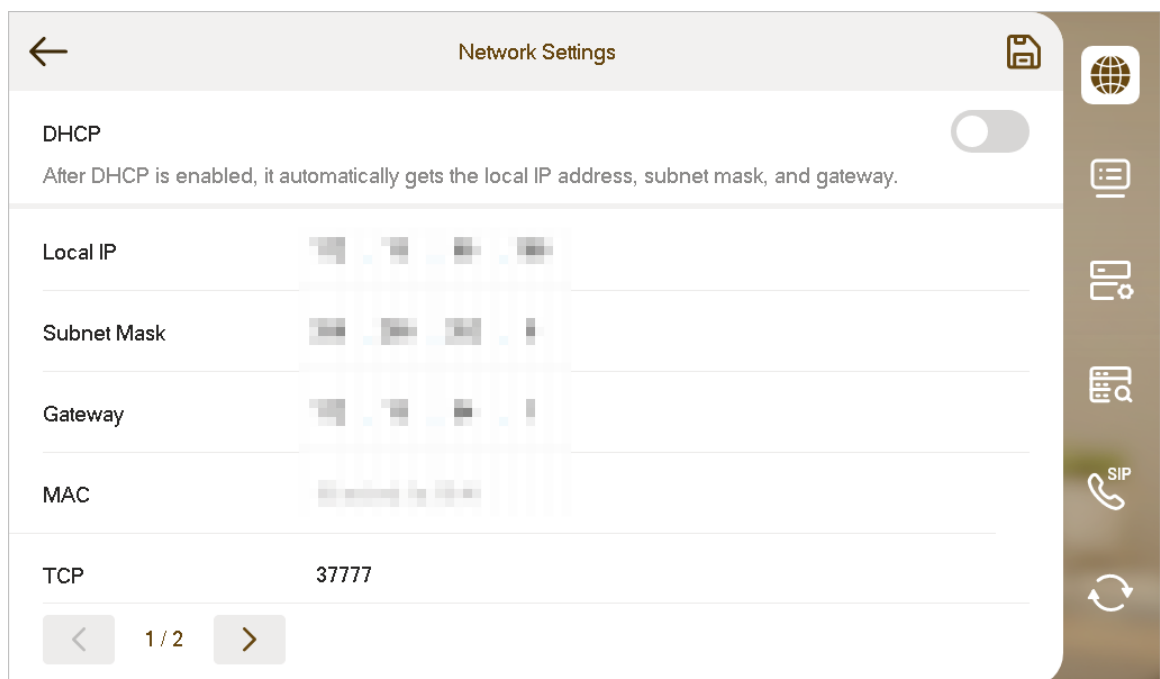
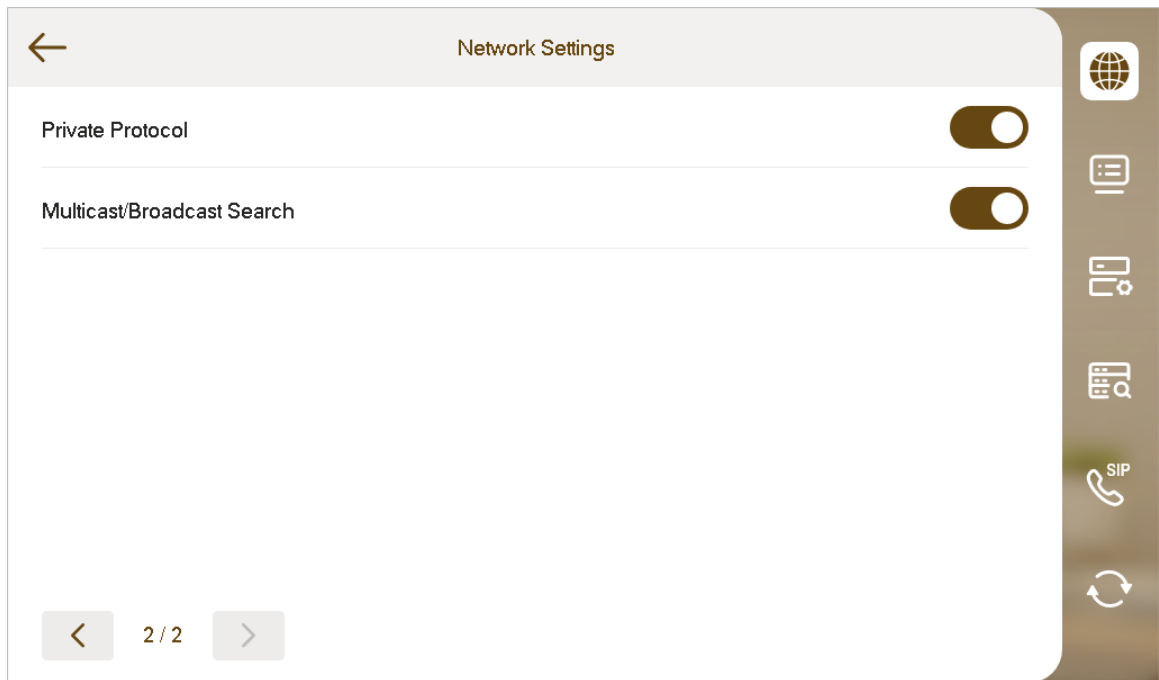


Figure 3-51 Network settings (2)



3.7.3 Configuring VTH

Procedure



- Step 1 On the main screen, select **Setting** >  > **Project Settings**.
- Step 2 Enter the password, and then tap **OK**.
- Step 3 Tap .

Figure 3-52 VTH configuration (1)

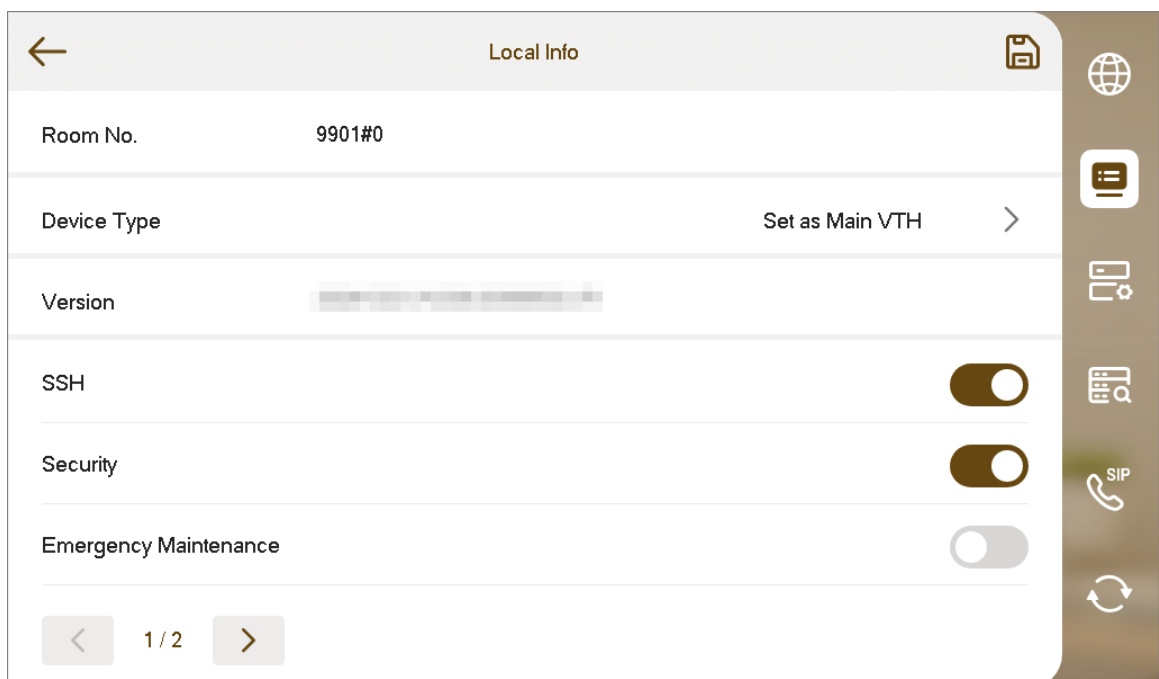
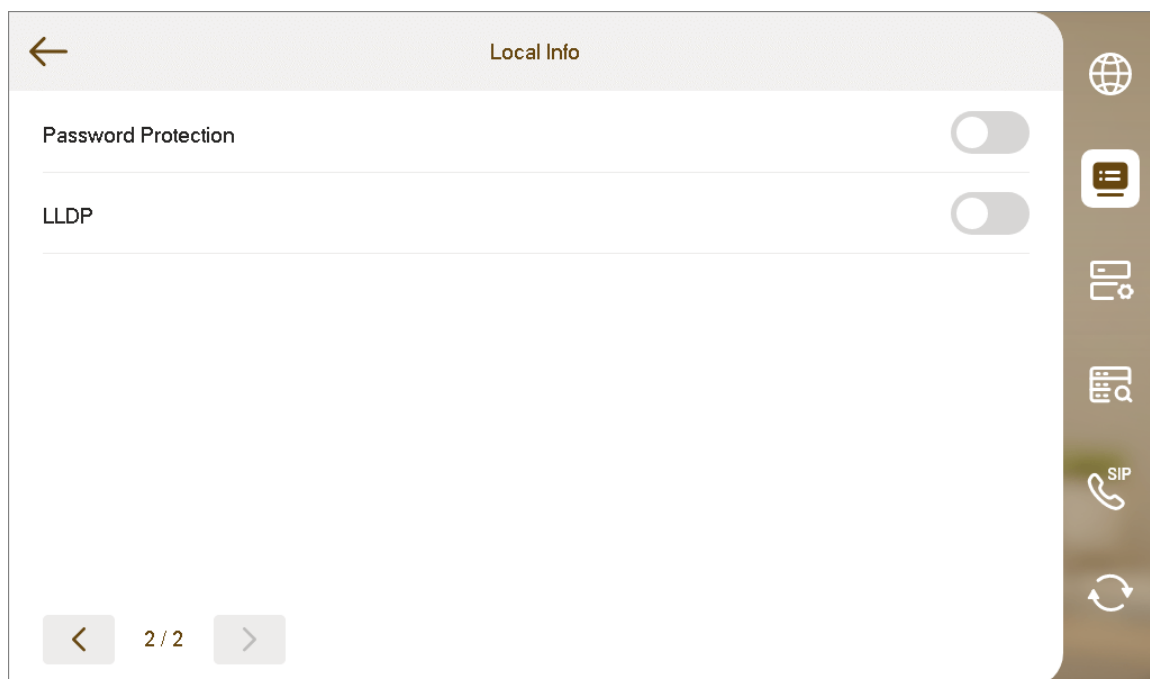


Figure 3-53 VTH configuration (2)



Step 4 Configure VTH information.

Select the device type from **Set as Main VTH** and **Set as Sub VTH**.

- Set as Main VTH.

Enter the room number (such as 9901 or 101#0).



Room number must be the same with **Room No.**, which is configured when adding VTHs on the VTO webpage. Otherwise, it will fail to connect to the VTO. When there are extension VTHs, room numbers must end with #0. Otherwise, it will fail to connect to the VTO.

- Set as Sub VTH.

Enter the room number (such as 101#1), IP address, username and password of the main VTH.



Default username is admin, and the password is the one set during initialization.

Step 5 Turn on the following functions as needed.

- **SSH** : The debugging terminal will connect to the VTH remotely through SSH protocol.
- **Security Mode** : Log in to the VTO in a secured way.
- **Emergency Maintenance** : The device information will be displayed when there are abnormalities.



We recommend you turn on the function for better after-sale service. If the function is not enabled manually, and there are problems with the key functions (like upgrade), the device will automatically enable it.

- **Password Protection** : Encrypt the password before sending out.



It is recommended to turn off SSH, and turn on security mode and password protection. Otherwise, the device might be exposed to security risks and data leakage.

- **LLDP** : Improves the efficiency of information exchange among network devices.

Step 6 Tap .

3.7.4 Configuring VTO

Background Information

Add VTOs and fence stations to bind them with the VTH.

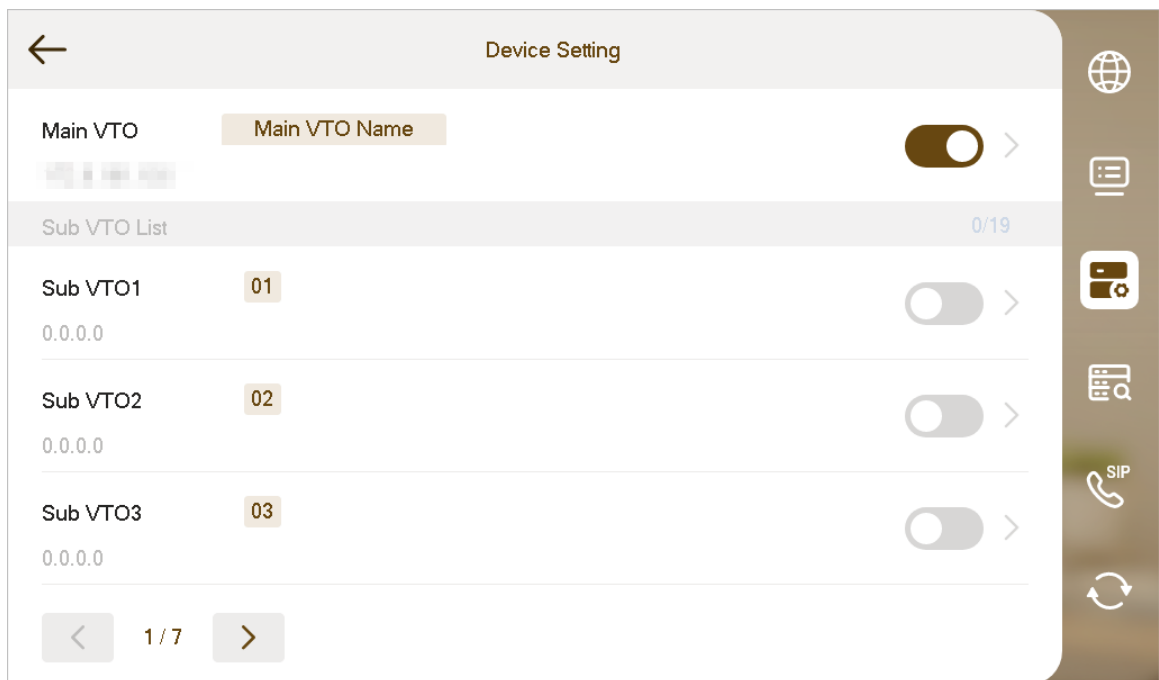
Procedure

Step 1 On the main screen, select **Setting** >  > **Project Settings**.

Step 2 Enter the password, and then tap **OK**.


Step 3 Tap .

Figure 3-54 VTO configuration



Step 4 Add a VTO or fence station.

- Add a main VTO.

1. Tap  next to the main VTO, and then enter the main VTO name, VTO IP address, username and password.

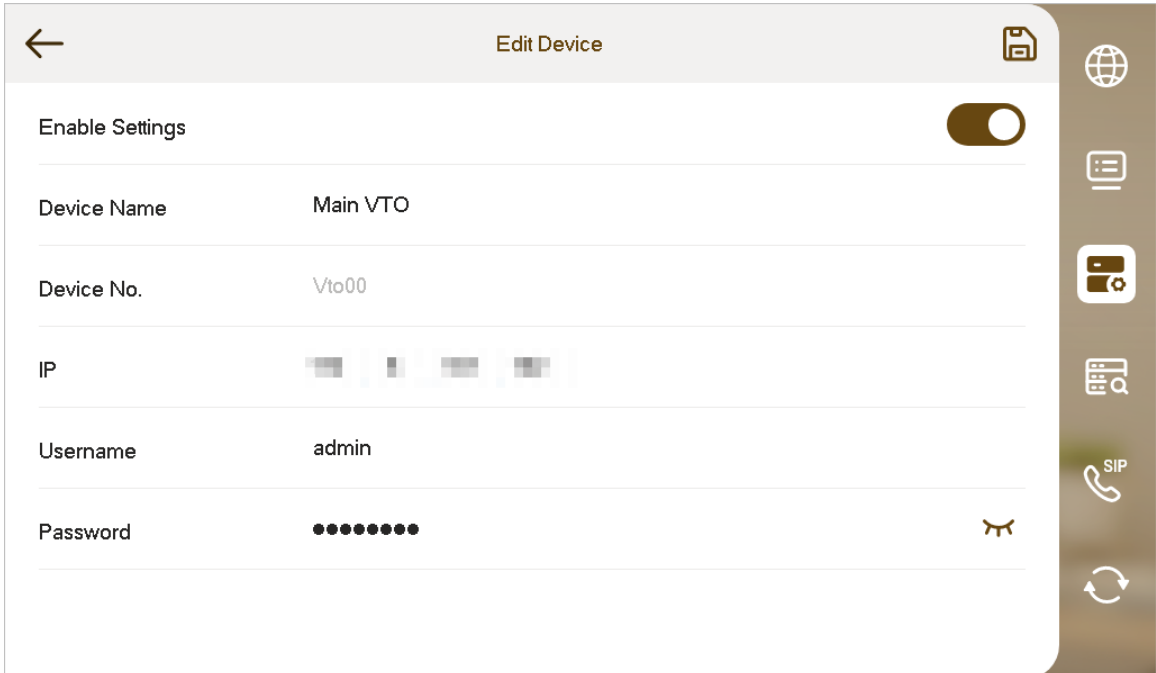
2. Tap .



Username and **Password** must be consistent with the login username and password of the VTO webpage.

3. Tap .

Figure 3-55 Main VTO configuration




The screenshot shows the 'Edit Device' configuration interface. At the top, there is a back arrow and the title 'Edit Device' with a save icon. The configuration fields are as follows:



- Enable Settings:** A toggle switch that is currently turned on.
- Device Name:** A text field containing 'Main VTO'.
- Device No.:** A text field containing 'Vto00'.
- IP:** Four separate input boxes for IP address segments.
- Username:** A text field containing 'admin'.
- Password:** A text field with masked characters (dots) and a visibility toggle icon.

On the right side, there is a vertical sidebar with several icons: a globe, a list icon, a device with a gear icon, a search icon, a SIP icon, and a refresh icon.

- Add a sub VTO or fence station.

1. Tap  next to the sub VTO, and then enter the sub VTO or fence station name, IP address, username and password.

2. Tap  .


Tap  or  to turn page and add more sub VTOs or fence stations.

3. Tap .

Figure 3-56 Sub VTO configuration

The screenshot shows the 'Edit Device' configuration screen for a Sub VTO. The screen has a light gray header with a back arrow on the left, the title 'Edit Device' in the center, and a save icon on the right. Below the header, there are several configuration fields:

- Enable Settings:** A toggle switch that is currently turned off.
- Device Name:** A text field containing 'Sub VTO1'.
- Device No.:** A text field containing 'Vto01'.
- IP:** A text field with a numeric keypad overlay.
- Username:** A text field containing 'admin'.
- Password:** A text field with masked characters (dots) and a visibility toggle icon (an eye with a slash).

On the right side of the screen, there is a vertical sidebar with several icons: a globe, a list icon, a device icon with a gear, a SIP icon, and a refresh icon.

3.7.5 Searching Devices

Procedure



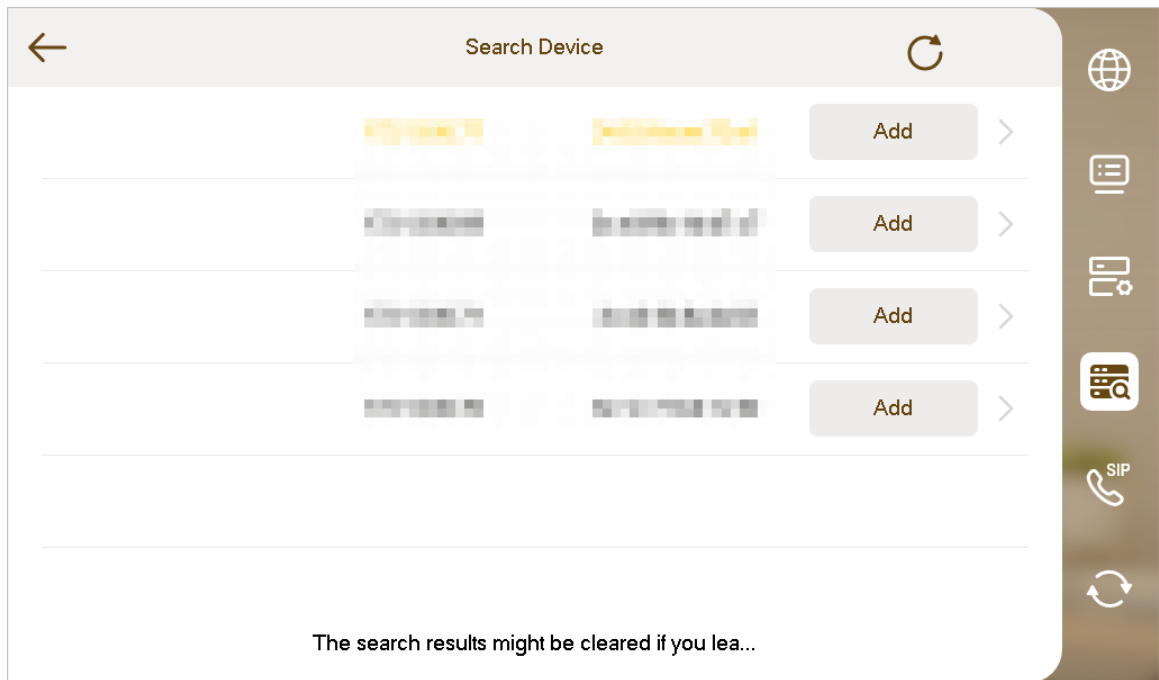
- Step 1 On the main screen, select **Setting** >  > **Project Settings**.
- Step 2 Enter the password, and then tap **OK**.
- Step 3 Tap .
- The device searches for the devices in the same network segment.

Figure 3-57 Search devices



3.7.6 Configuring SIP Server

Procedure



- Step 1 On the main screen, select **Setting** >  > **Project Settings**.
- Step 2 Enter the password, and then tap **OK**.
- Step 3 Tap .

Figure 3-58 SIP server (1)

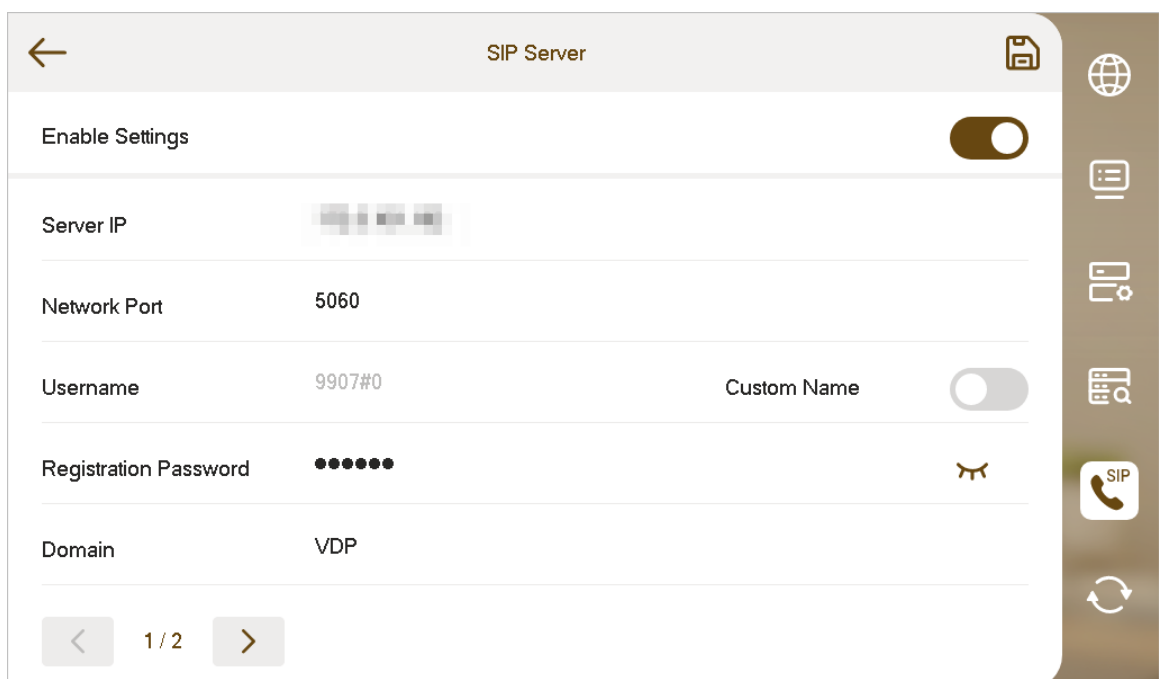


Figure 3-59 SIP server (2)

← SIP Server

Username

Login Password

< 2 / 2 >

⌐ ⌐ ⌐ ⌐ SIP ↻

Step 4 Configure the parameters.

Table 3-13 Description of SIP server parameters

Parameter	Description
Server IP	<ul style="list-style-type: none">• When a platform works as the SIP server, it is the IP address of the platform.• When a VTO works as the SIP server, it is the IP address of the VTO.
Network Port	<ul style="list-style-type: none">• 5080 when a platform works as the SIP server.• 5060 when a VTO works as the SIP server.
Username	Keep it default, or turn on Custom Name , and then you can edit the username.
Registration Password	Keep it default.
Domain	When a VTO works as the SIP server, it can be VDP or null. When it docks to a third-party server, it must be the same as that of the server.
Username	SIP server login user name and password.
Login Password	

Step 5 Tap  next to **Enable Settings** to enable the SIP server function.

Step 6 Tap .

3.7.7 Factory Settings or Reset

All parameters of the device will be restored to default values.



- IP address and data in the SD card will not be restored.
- The SD card is available on select models.

Procedure



- Step 1** On the main screen, select **Setting** >  > **Project Settings**.
- Step 2** Enter the password, and then tap **OK**.
- Step 3** Tap .

Table 3-14 Description of reset parameters


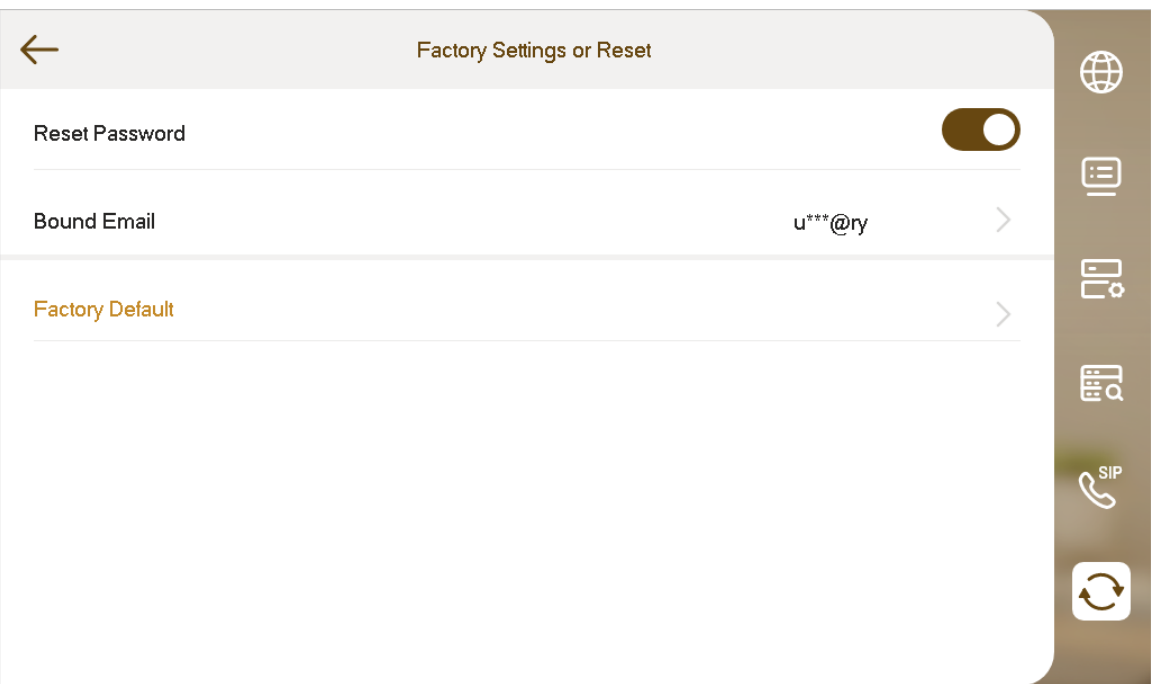
Parameter	Description
Reset Password	Tap  to enable this function. If turned off, you cannot reset the password.
Bound Email	Enter the email address that you want to bind. The email address will obtain the security code during password resetting. For details, see "3.7.1 Forget Password".
Factory Default	Restore the device to its factory settings. All the information on the device will be cleared and the device will restart.

Figure 3-60 Factory settings and reset




3.8 QR Code

Background Information

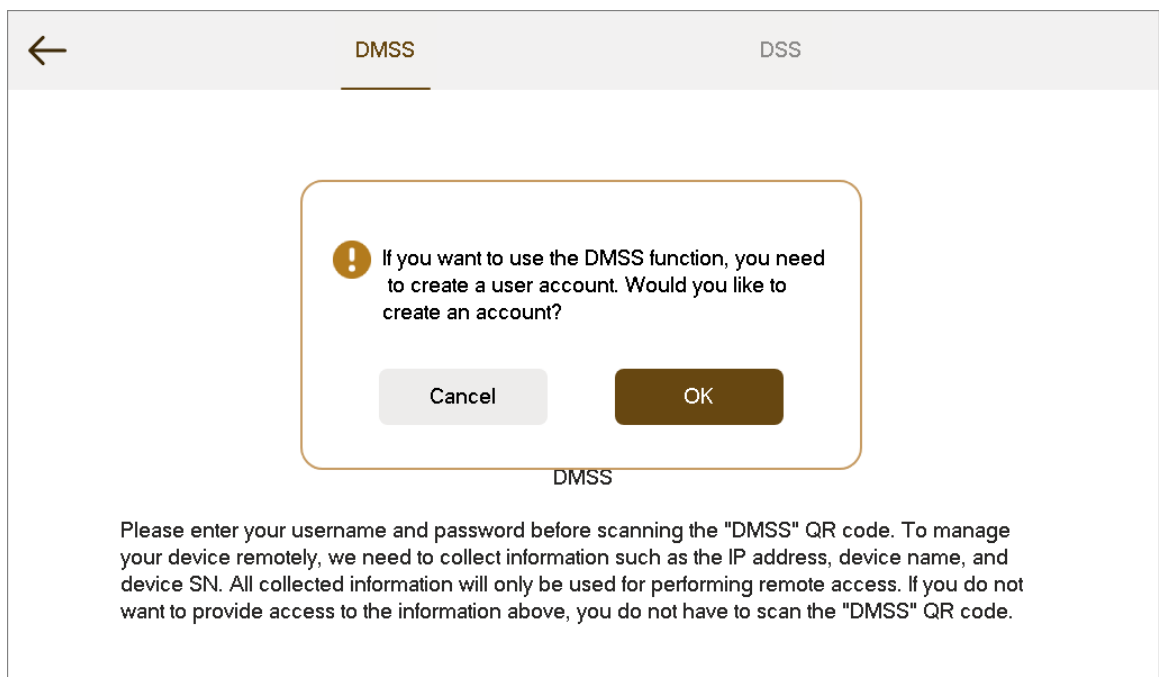
Download the app on your smart phone by scanning the QR code, register the VTH on the app, and then you can unlock the door, or talk to the VTH, and more directly on your smart phone.

Procedure

Step 1 Tap .

If you go to the screen for the first time, there is an onscreen prompt that reminds you to create a DMSS app account before using the DMSS function.

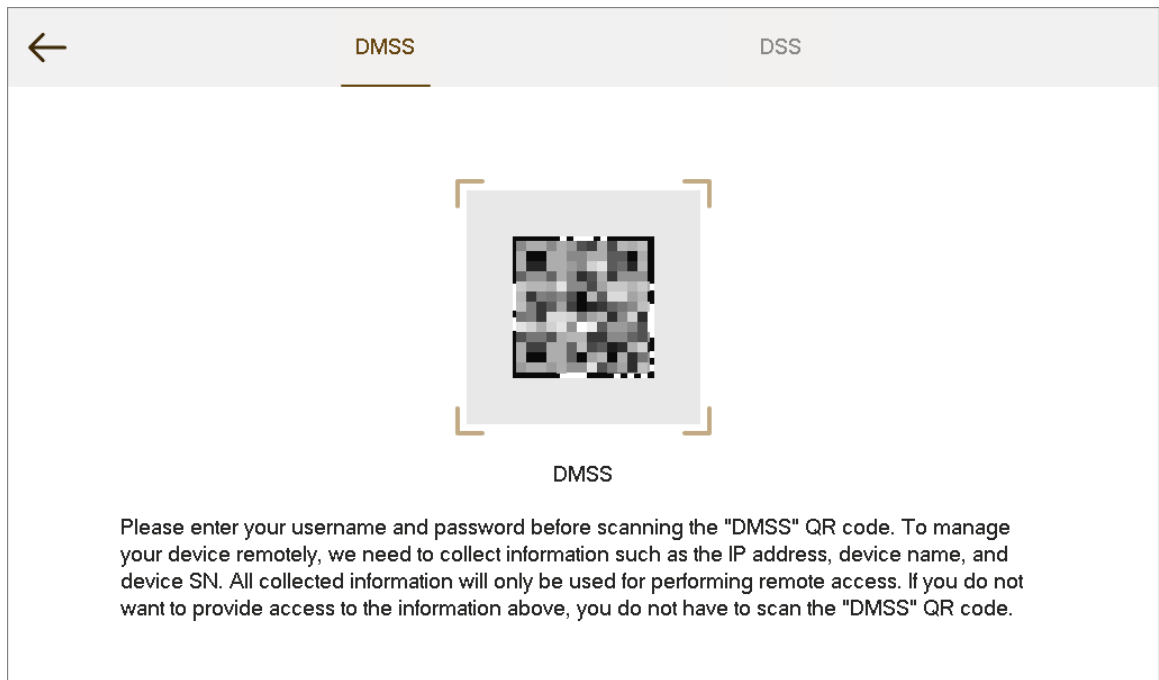
Figure 3-61 Onscreen prompt



Step 2 After you create a user account, tap **DSS** or **DMSS** tab to view the QR code.

- Scan the **DMSS** QR code on your DMSS app to automatically obtain the VTH information, and gain remote access to the device.
- Scan the **App Download QR Code** on the **DSS** tab to download the DSS Agile VDP on your smart phone.
- Scan the **Register** QR code on the **DSS** tab to register the VTH to the DSS Agile VDP.

Figure 3-62 DMSS QR code



3.9 Arm and Disarm Function


3.9.1 Arm

After arm, the device produces linkage alarm and uploads alarm info.



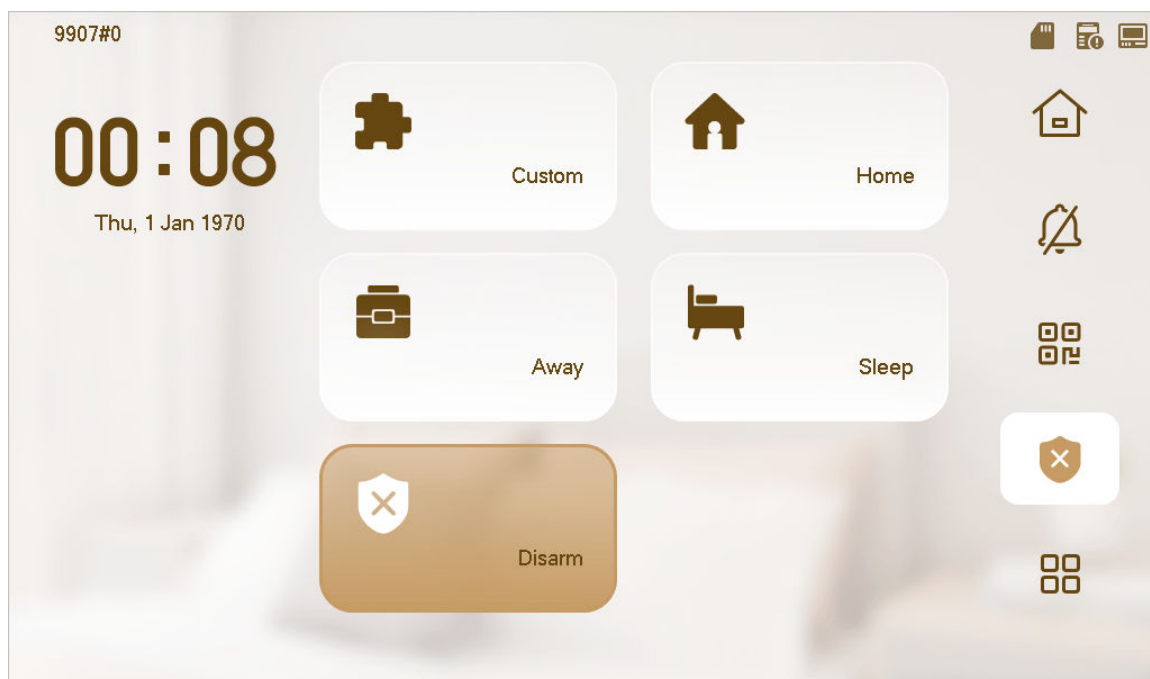
- Please ensure that the area has been added into arm mode. Otherwise, there will be no alarm triggering after arm.
- Please ensure that it is in disarmed status. Otherwise, arm will fail.

Procedure

Step 1 Tap  on the home screen to select an arm mode.

- **Home:** An arming mode that allows you to arm the system when inside the area of the alarm system.
- **Away:** Arm the system when you leave the area of the alarm system.
- **Sleep:** An alarming mode that allows you to arm the system in the sleep time.
- **Custom:** Arm the system based on your customized needs.

Figure 3-63 Arm mode



Step 2 Enter arm and disarm password; tap **OK**.



- If you want to modify the password, please refer to "3.6.6.3 User Password Setting" for details.
- If delay alarm is set in the area, the device will beep continuously at the end of exit delay time.

3.9.2 Disarm




Procedure

Step 1 Tap the arm mode icon on the main screen.

Step 2 Enter disarm password, and then tap **OK**.

- Default password of arm and disarm is 123456. Please refer to "3.6.6.3 User Password Setting" for details.
- If you are forced to enter disarm password in case of emergencies, enter anti-hijacking password, which is the reversed arm password. The system will disarm, and at the same time, upload alarm info to management center/platform.

3.10 Property Management

- If you enable **Property Management** when editing the home screen, tap  on the home screen to call management center.
- If you do not enable it, tap  on the home screen, and then tap  to call management center.



Please ensure that management center has been connected. Otherwise, it will fail to call.

3.11 Unlock Function

When the VTH is being called, during monitoring, talking and speaking, tap unlock button, and the VTO will be unlocked remotely.


3.12 Cloud Update

Procedure

Step 1 Select **Setting** > .

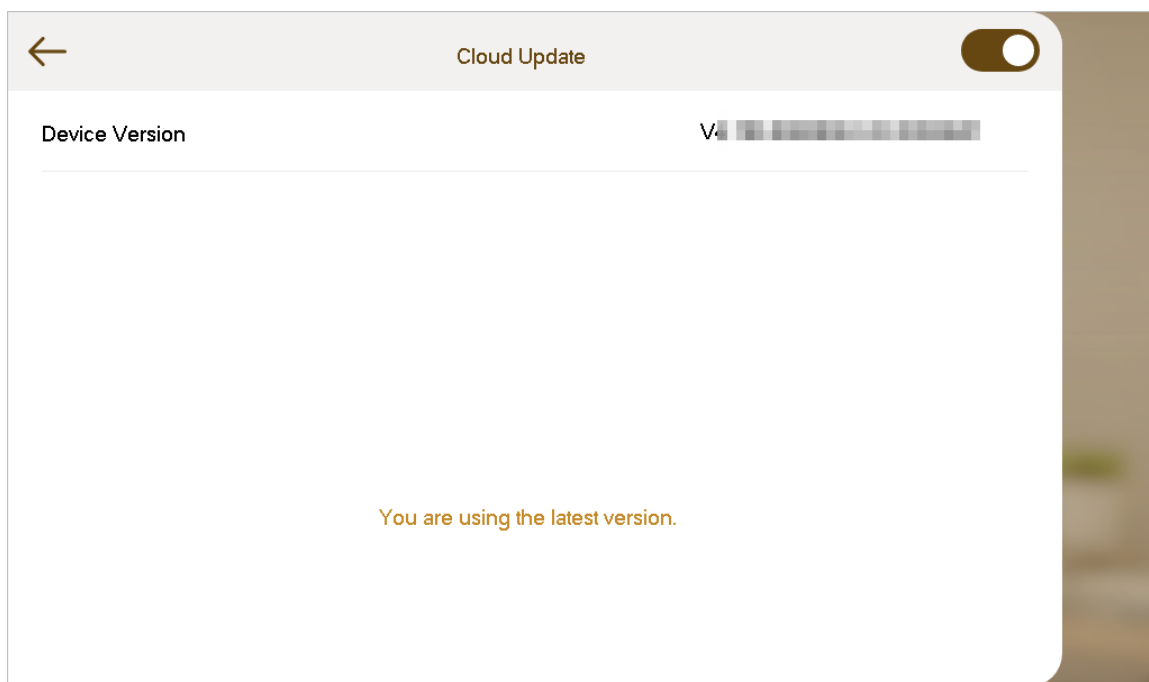
Step 2 Tap **Cloud Upgrade**.

The current device version is displayed.

Step 3 Tap  to enable cloud update function.

The device checks for update. After update, the device automatically restarts.

Figure 3-64 Cloud update



Appendix 1 Security Recommendation

Account Management

1. Use complex passwords

Please refer to the following suggestions to set passwords:

- The length should not be less than 8 characters;
- Include at least two types of characters: upper and lower case letters, numbers and symbols;
- Do not contain the account name or the account name in reverse order;
- Do not use continuous characters, such as 123, abc, etc.;
- Do not use repeating characters, such as 111, aaa, etc.

2. Change passwords periodically

It is recommended to periodically change the device password to reduce the risk of being guessed or cracked.

3. Allocate accounts and permissions appropriately

Appropriately add users based on service and management requirements and assign minimum permission sets to users.

4. Enable account lockout function

The account lockout function is enabled by default. You are advised to keep it enabled to protect account security. After multiple failed password attempts, the corresponding account and source IP address will be locked.

5. Set and update password reset information in a timely manner

The device supports password reset function. To reduce the risk of this function being used by threat actors, if there is any change in the information, please modify it in time. When setting security questions, it is recommended not to use easily guessed answers.

Service Configuration

1. Enable HTTPS

It is recommended that you enable HTTPS to access web services through secure channels.

2. Encrypted transmission of audio and video

If your audio and video data contents are very important or sensitive, it is recommended to use encrypted transmission function in order to reduce the risk of your audio and video data being eavesdropped during transmission.

3. Turn off non-essential services and use safe mode

If not needed, it is recommended to turn off some services such as SSH, SNMP, SMTP, UPnP, AP hotspot etc., to reduce the attack surfaces.

If necessary, it is highly recommended to choose safe modes, including but not limited to the following services:

- SNMP: Choose SNMP v3, and set up strong encryption and authentication passwords.
- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up complex passwords.
- AP hotspot: Choose WPA2-PSK encryption mode, and set up complex passwords.

4. Change HTTP and other default service ports

It is recommended that you change the default port of HTTP and other services to any port between 1024 and 65535 to reduce the risk of being guessed by threat actors.

Network Configuration

1. **Enable Allow list**

It is recommended that you turn on the allow list function, and only allow IP in the allow list to access the device. Therefore, please be sure to add your computer IP address and supporting device IP address to the allow list.

2. **MAC address binding**

It is recommended that you bind the IP address of the gateway to the MAC address on the device to reduce the risk of ARP spoofing.

3. **Build a secure network environment**

In order to better ensure the security of devices and reduce potential cyber risks, the following are recommended:

- Disable the port mapping function of the router to avoid direct access to the intranet devices from external network;
- According to the actual network needs, partition the network: if there is no communication demand between the two subnets, it is recommended to use VLAN, gateway and other methods to partition the network to achieve network isolation;
- Establish 802.1x access authentication system to reduce the risk of illegal terminal access to the private network.

Security Auditing

1. **Check online users**

It is recommended to check online users regularly to identify illegal users.

2. **Check device log**

By viewing logs, you can learn about the IP addresses that attempt to log in to the device and key operations of the logged users.

3. **Configure network log**

Due to the limited storage capacity of devices, the stored log is limited. If you need to save the log for a long time, it is recommended to enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

Software Security

1. **Update firmware in time**

According to the industry standard operating specifications, the firmware of devices needs to be updated to the latest version in time in order to ensure that the device has the latest functions and security. If the device is connected to the public network, it is recommended to enable the online upgrade automatic detection function, so as to obtain the firmware update information released by the manufacturer in a timely manner.

2. **Update client software in time**

It is recommended to download and use the latest client software.

Physical Protection

It is recommended that you carry out physical protection for devices (especially storage devices), such as placing the device in a dedicated machine room and cabinet, and having access control

and key management in place to prevent unauthorized personnel from damaging hardware and other peripheral equipment (e.g. USB flash disk, serial port).