



# VTH Series

## User's Manual

Dahua Technology Co., Ltd



**Electrical & Automation**

# 4 Commissioning

Confirm that all devices are complete and that they work properly prior to installation and configuration.

## 4.1 Setup

Prior to commissioning and configuring the VTH unit, ensure the unit conforms to the following:

- Check that the unit is connected to the proper power supply. Power on the device only after the circuit is confirmed to be normal.
- Plan the list of IP Addresses and the ID numbers for each VTO and VTH unit.
- Check the deployment position of SIP server.
- Install and configure the VTO SIP system before commissioning and configuring a VTH device. Refer to the VTO User Manual for instructions on installing and configuring VTO devices.
- Use the VTO Web interface to set VTO and VTH information. Then set the VTH and VTO information at each VTH device.

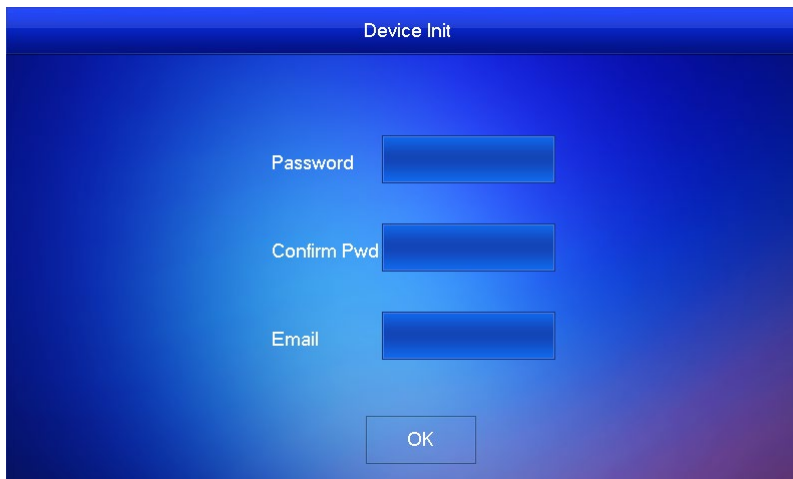
## 4.2 Setting VTH Parameters

### 4.2.1 Initialize the VTH

You must supply the following information before configuring the VTH:

- Password
  - Email address (used to retrieve password)
1. Power on the device.

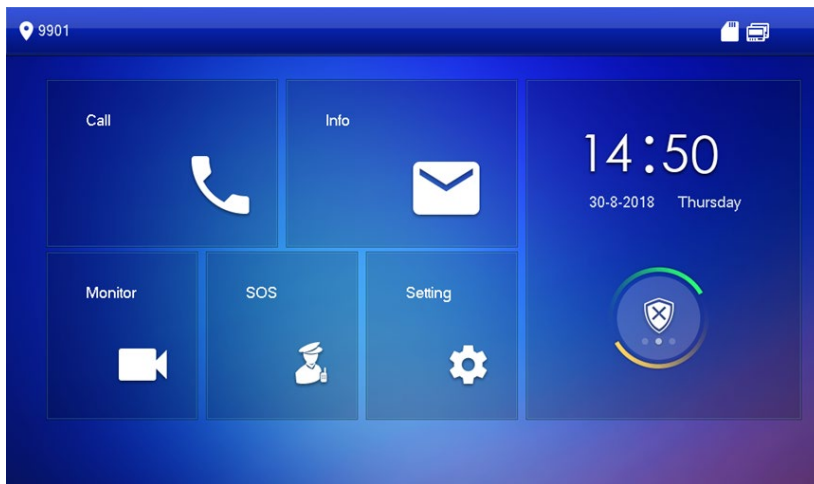
The system displays the Device Initialization interface.



The screenshot shows a web interface titled "Device Init" with a blue gradient background. It contains three input fields: "Password", "Confirm Pwd", and "Email". Below these fields is an "OK" button.

2. Type your Password, then type the same password in Confirm Pwd box.
3. Type a valid email address.
4. Press OK.

The system displays main interface if all credentials are input successfully.



## 4.2.2 Set VTH Network

Configure the VTH network information. The VTH must be part of the same network segment as the VTO and the other VTH devices in the system.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press [OK].
3. Press Network.

The system displays the Network interface. Note, only devices with wireless functionality can access a WLAN.

4. Set the Network credentials according to the type of network: LAN or WLAN.

- LAN

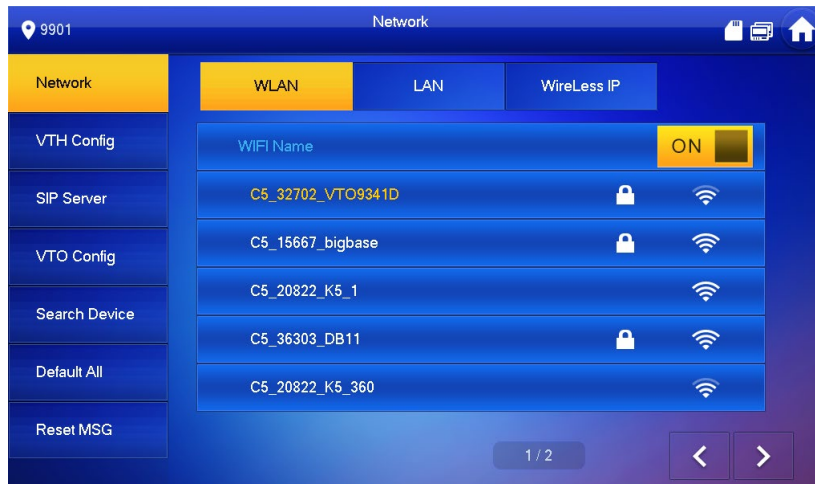


- a) Enter the following addresses: Local IP, Subnet Mask, and Gateway.  
Press Off to enable DHCP functionality and to obtain an IP address automatically.
- b) Press OK.

- WLAN

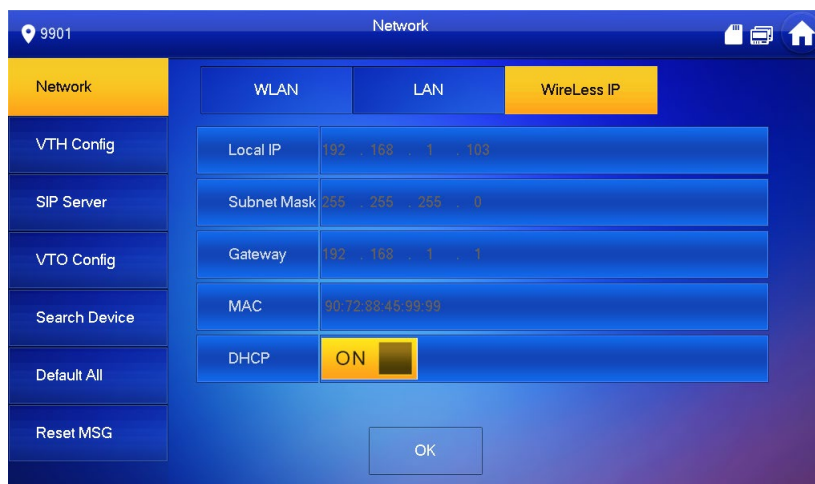
a) Press Off to enable the WiFi Function.

The system list the available WiFi networks.



b) Connect to a WiFi network in one of the following ways:

- Select Wi-Fi, then press the Wireless IP tab. Enter the Local IP, Subnet Mask and, Gateway addresses. Then [OK].
- Select Wi-Fi, then press the Wireless IP tab. Press OFF to enable DHCP functionality and to obtain an IP address automatically. To obtain IP info with DHCP function, use a router with DHCP function.



### 4.2.3 Configure the VTH

Follow these steps to set VTH room number, type and, Master IP address. VTH devices can be configured as a master unit or as an extension unit. Typically, there is one master unit and each master can support several extension units. A master unit uses a four-digit room number.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press VTH Config.



The screenshot shows the 'VTH Config' screen on a device. The top bar displays '9901' and 'VTH Config'. A left sidebar contains menu items: Network, VTH Config (highlighted), SIP Server, VTO Config, Search Device, Default All, and Reset MSG. The main area contains a configuration table:

Room No.	9901	Master
Master IP	0 . . . 0 . . . 0 . . . 0	
Master Name	admin	
Master Pwd	*****	
Version	V4.000.0000000.2.R.20180825	
SSH	<input type="checkbox"/> OFF	

An 'OK' button is located at the bottom center of the screen.

4. Set the VTH information based on the type of VTH device: Master or Extension.
  - Set a Master VTH:
    - a) Enter "Room No." and press OK to save.

This number must be the same number as the "VTH Short No." set when adding the VTH device at the WEB interface.
  - Set an Extension VTH:
    - a) Press Master to switch the unit to Extension mode.
    - b) Enter the "Room No." and the Master IP (IP address of master VTH).
    - c) Enter the Master Name and the Master Password.

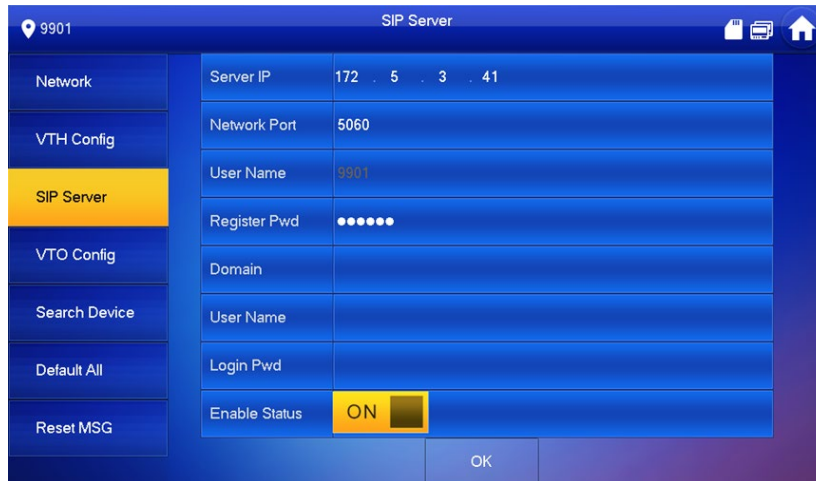
"Master Name" and "Master Pwd" are the user name and password for the master VTH. Default user name is admin, and the password is the one set during device initialization.

5. Press OFF to enable SSH (optional). After SSH is enabled, the debugging terminal connects VTH through SSH protocol, so as to operate and debug it.
6. Press OK to save the configuration.

## 4.2.4 Configure SIP Server

Configure SIP server on VTH and build connections.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press SIP Server.



4. Set the parameters for the SIP server using the following information.

Parameter	Description
Server IP	This IP Address is either: <ul style="list-style-type: none"> <li>• the IP Address of the separate SIP server.</li> <li>• the IP address of the VTO, if the VTO is acting as the SIP server.</li> </ul>
Network Port	Standalone SIP server: network port is 5080. VTO as SIP server: network port is 5060.
User Name	Use default value.
Register Pwd	
Domain	Registration domain of the SIP server. This value can be left blank. If the VTO is the SIP server, use VDP as the domain
User Name	User name and password to login to the SIP server.
Login Pwd	

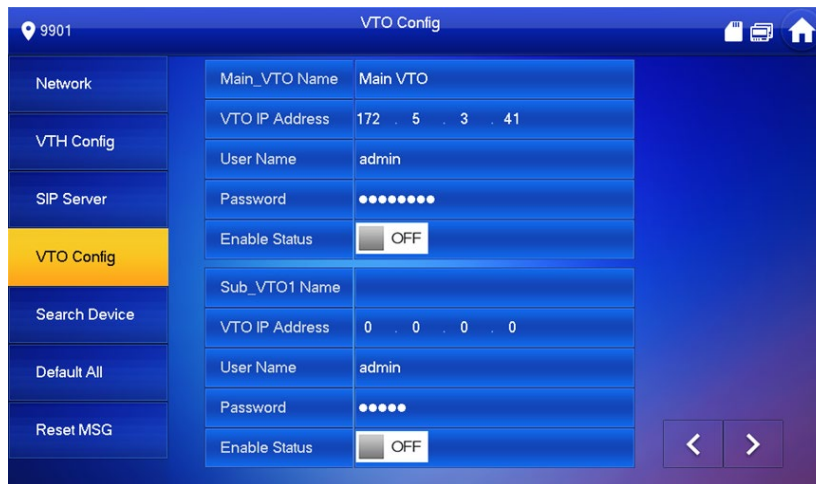
Table 4-1: SIP Server Parameters

5. Set Enable Status to ON to activate SIP Server functions.
6. Press OK to save SIP server configuration.

## 4.2.5 Add VTO Stations

VTO stations are the external devices that VTH units connect to for two-way communication. VTO stations typically contain a camera to send video information and can unlock doors and gates from a command from VTH devices.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press VTO Config.



4. Add a main VTO or a VTO sub-station:
  - Add Main VTO
    - a) Enter the Main VTO Name, the VTO IP Address, User Name, and Password.
    - b) Switch the Enable Status to ON.
  - Add a VTO sub-station:
    - a) Enter Sub VTO/Fence Station Name, Sub VTO/Fence Station IP address, User Name and Password.
    - b) Switch the Enable Status to ON.
    - c) Press the Left or Right Arrow to add additional VTO sub-stations.

## 4.3 Verify VTH Operation

### 4.3.1 Answering a Call from a VTO

To verify that a VTH unit is configured properly, make a test call from a VTO unit.

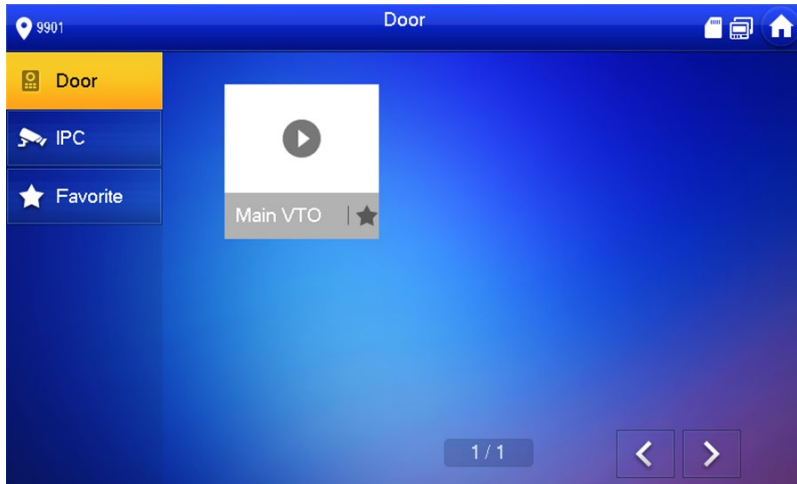
- Dial the VTH room number from the VTO unit.  
The VTH unit displays the video feed and the operating keys from the VTO if all settings are configured properly.

Note in the image below that the Snapshot and Record keys are active. These active functions indicate that the VTH has an SD card inserted in the unit.



### 4.3.2 Monitoring a VTO Station

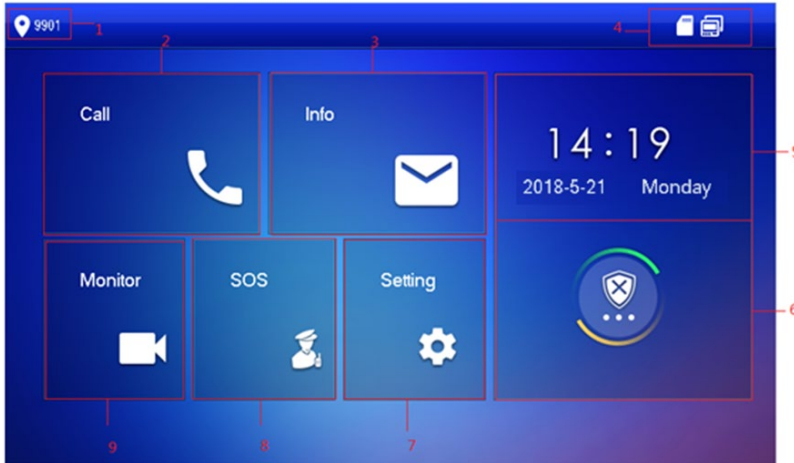
- Select Monitor > Door, and then select the VTO you wish to monitor. Press the Star icon to add this VTO to the Favorite List.









# 5 VTH Interface

## 5.1 Main Menu

All interaction with the VTH features starts from the Menu.



No.	Name	Description
1	Room Number	Number of the room where the VTH is located.
2	Call	<ul style="list-style-type: none"> <li>• Call another VTH or a VTO unit.</li> <li>• Manage contacts.</li> <li>• View and manage call records.</li> </ul>
3	Info	<ul style="list-style-type: none"> <li>• View, delete, and clear notices issued by Property Management Center.</li> <li>• View, delete and clear security alarm information.</li> <li>• View, delete, and clear VTO messages (if VTH does not have an SD card installed or the VTO enables the video-audio message upload function).</li> <li>• View, delete, and clear videos and pictures (if VTH has an SD installed).</li> </ul>
4	Status Bar	<ul style="list-style-type: none"> <li>• : VTH not connected to a wired network</li> <li>• : VTH is connected to wired network</li> <li>• : VTH connected to a WiFi network</li> <li>• : VTH is not connected to the Master VTO</li> <li>• : SD card installed in the VTH</li> <li>• : Do Not Disturb is active for the VTH.</li> </ul>
5	Time	Displays the current date, day of the week, and time.

No.	Name	Description
6	Arm/disarm	<ul style="list-style-type: none"> <li>Displays the last unread alarm message.</li> <li>Press the icon to enter arming mode.</li> </ul>
7	Setting	Press here to access the VTH settings. Press and hold until the Password Verification dialog box opens.
8	SOS	Calls the Management Center.
9	Monitor	Monitor the Master VTO, VTO sub-station, IP camera, and other connected devices.

Table 5-1: VTH Main Menu Selections

## 5.2 Setting VTH Functions

### 5.2.1 Setting Ring Tones

The VTH allows you to set the ring tone incoming calls from the VTO, another VTH, alarms, and other communications. Setting custom ring tones helps to identify the source of the incoming call or alert.

You can upload custom ring tones into the VTH via an SD card. Follow these guidelines to import tones:

- Ring tones must be stored on the SD card in this directory path: `/mnt/sd/Ring/`.
- The audio file must be an .mp3 file. You cannot simply change the extension of another audio file, the file must be encoded as an MP3.
- Audio file size must be less than 100kB.
- Ring tone format: 16K, 16BIT, or .mp3.
- You can add 10 ring tones.

#### 5.2.1.1 Setting a Ring Tone

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press Ring. Then press VTO Ring Setup, VTH Ring Setup, or Alarm Ring Setup.

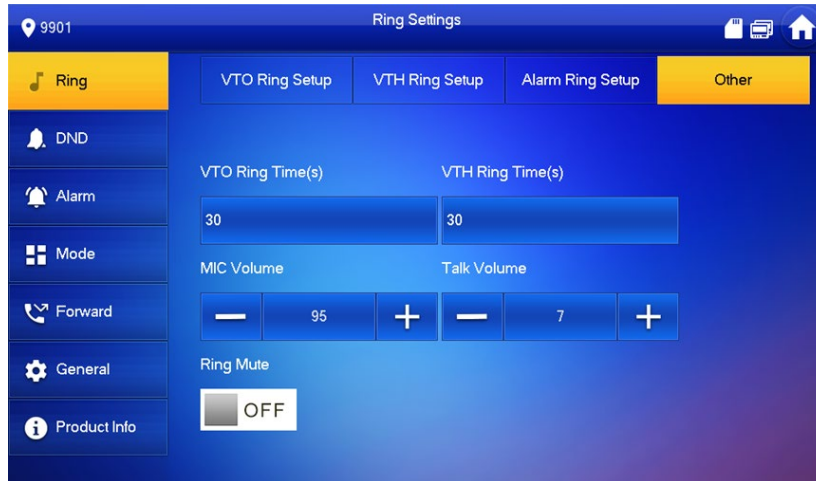
The system displays the corresponding interface. Press the Left or the Right arrow button to page through the available ring tones.



4. Press the tone name box to select the ring tone, then press the “+” or the “-” button to set the volume.

### 5.2.1.2 Setting Ring Tone Preferences

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Select “Ring > Other”.



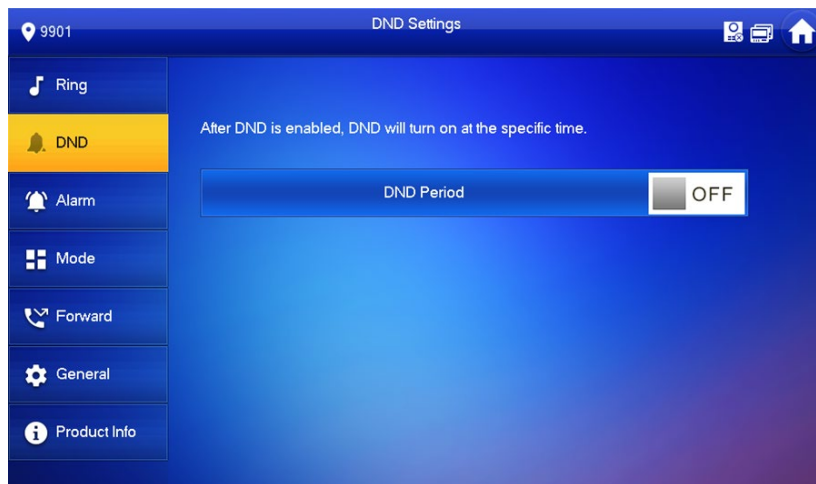
4. Set the following parameters:
  - VTO Ring Time: Amount of time, in seconds, that the unit plays the ring tone from an incoming call from a VTO unit.
  - VTH Ring Time: Amount of time, in seconds, that the unit plays the ring tone from an incoming call from another VTH unit.
  - MIC Volume: Use the “+” or “-” buttons to set the outgoing voice volume.
  - Talk Volume: Use the “+” or “-” buttons to set the speaker volume.
5. Press the OFF button to mute all ring tones. Press the button again to activate all ring tones.

### 5.2.2 Setting Do Not Disturb

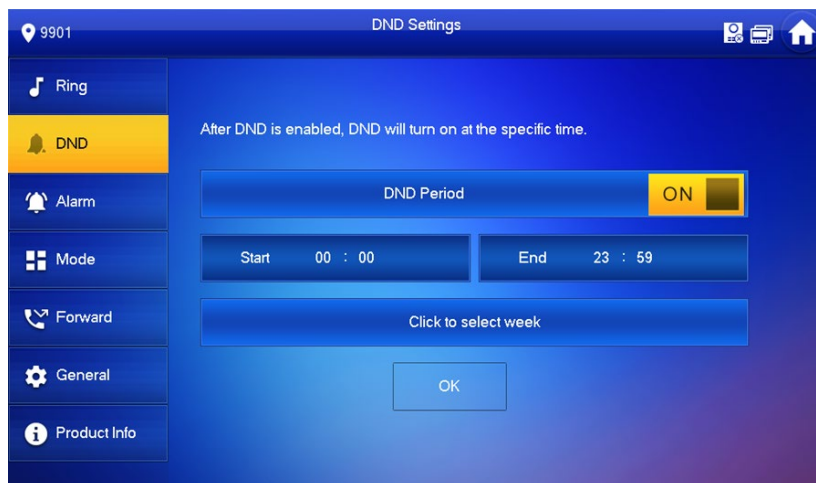
Use this setting to silence incoming calls during a specified time period. Note the following about the Do Not Disturb (DND) function:

- DND function is off by default.
- In DND mode, the VTH does not save a call reminder, but it does record the call information.
- DND parameters are set only at the Master VTH. The Master VTH synchronizes the settings with Extension VTH units.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press DND.



4. Press OFF to activate the Do Not Disturb function.



5. Press the Start box and enter the start time to activate Do Not Disturb.
6. Press the End box and enter the time the VTH disables Do Not Disturb.
7. Press Click to select week and select the days of the week when the Start and End times are active.
8. Press OK to save settings.

### 5.2.3 Setting Alarms

The VTH allows you to configure the types of alarms, status, and the actions of an incoming alarm.

### 5.2.3.1 Configuring Wired Alarm Zones

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Select Alarm > Wire Zone.



4. Press a corresponding position to set area type, NO/NC, alarm status, enter delay, and exit delay.

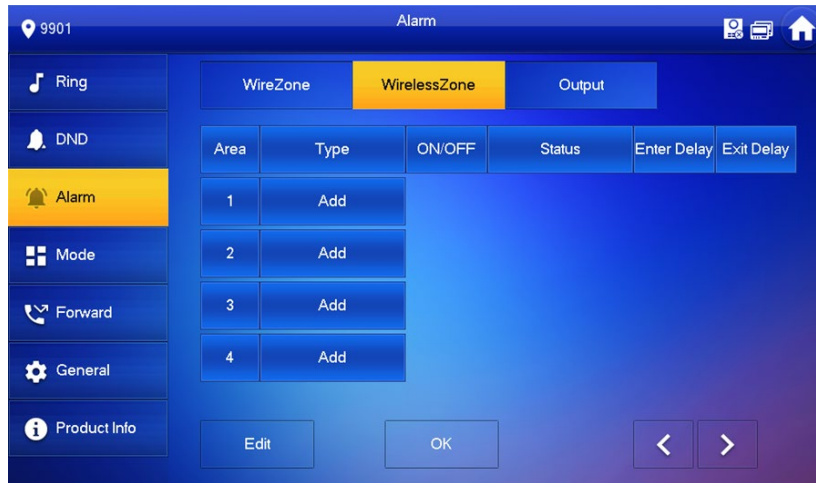
Parameter	Description
Area	Alarm identifier, cannot be modified.
Type	Select the type of the alarm according to the detector type: IR, gas or smoke detector; emergency call button, door alarm, burglar alarm, perimeter, or doorbell.
NO/NC	Select Normally Open (NO) or Normally Closed (NC) according to the detector type.
Status	Select one of the following options: <ul style="list-style-type: none"> <li>Instant Alarm: Sounds a tone immediately when an alarm is triggered and enters alarm status mode.</li> <li>Delay Alarm: Sounds a tone and enters alarm mode after a specified delay time. You can disarm and cancel the alarm during the delay period.</li> <li>Bypass: Area is not armed.</li> <li>Remove: Area is invalid during arm/disarm. Status cannot be bypassed.</li> </ul>
Enter Delay	After entering delay, when armed area triggers an alarm, entering armed area from non-armed area within the delay time period will not lead to linkage alarm. Linkage alarm will be produced if delay time comes to an end and it is not disarmed.
Exit Delay	After arm, "delay alarm" area will enter arm status at the end of "exit delay". If multiple areas set the exit delay, interface prompt will conform to maximum delay time.

Table 5-2: Alarm Zone Parameters

5. Press OK to save the settings.

### 5.2.3.2 Configuring Wireless Alarm Zones

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Select Alarm > Wireless Zone.

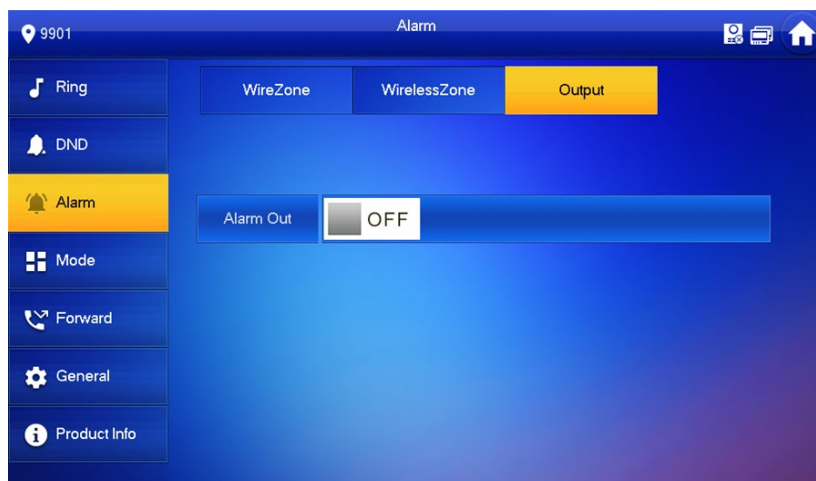


4. Press Add.
5. Press the wireless code button on the wireless device. Please refer to the documentation for the wireless device for instructions.
6. Press a corresponding position to set alarm status, enter delay, and exit delay. Refer to Table 5-2: Alarm Zone Parameters for details.
7. Press Edit to select a zone and press Delete to delete the selected area.

### 5.2.3.3 Configuring Alarm Output

After enabling alarm output, when other devices call this VTH, the alarm output device will output alarm information.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Select Alarm > Output.

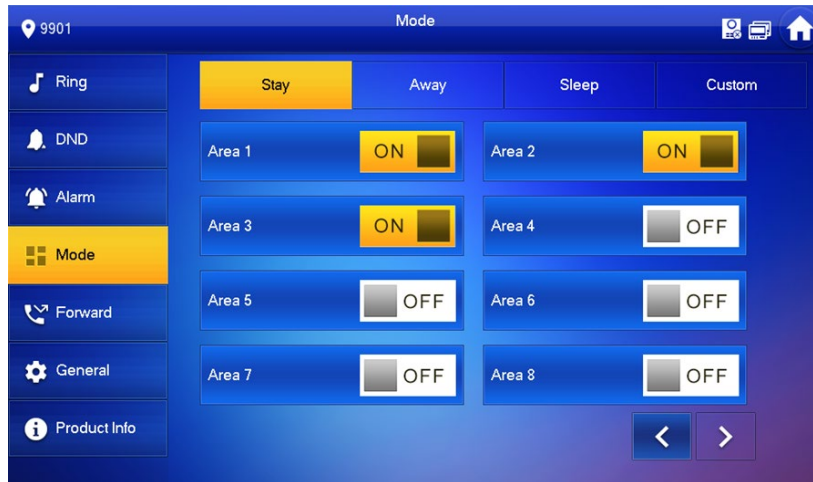


4. Press OFF to enable alarm output function.

## 5.2.4 Mode Setting

Set area on/off status under different modes. Area mode can be set only in disarm status.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press Mode.

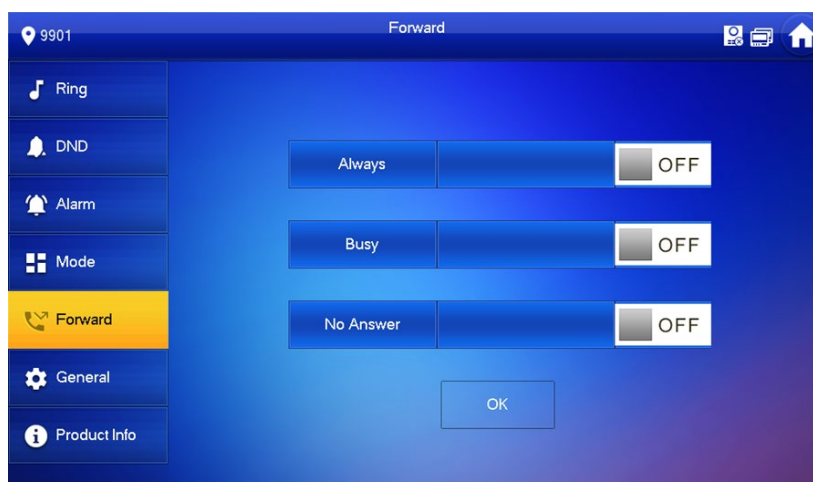


4. Select the arm mode in every tab.
5. Press OFF in every area to add it into arm mode. Multiple areas can be added into one arm mode simultaneously, whereas one area can be added into different modes.

## 5.2.5 Setting Call Forwarding

The VTH allows you to forward incoming calls to another VTH device. Call forwarding is configured only on the Master VTH, and the Master VTH synchronizes the setting to its Extension VTH devices.

- To forward a call to a VTH device in another building or unit on the same system, you must format the call forwarding number as: Building Number + Unit Number + VTH Room Number. For example, input "0101101" Builder 1, Unit 1, Room 101.
  - To forward a call to a VTH in the same unit, simply use the VTH Room Number.
1. Press and hold Setting until the system displays the Password Verification dialog box.
  2. Type your password and press OK.
  3. Press Forward.



- Input the VTH number in the corresponding forward mode; then press OFF to enable the forward function.

Parameter	Description
Always	All incoming calls will be forwarded to preset number.
Busy	When the user is busy, incoming call from the third party is forwarded to the preset number. If “No Answer” is not set, when the user refuses to answer, the incoming call will be deemed as busy forwarding.
No Answer	If no one answers after VTH ring time, the incoming call is forwarded to the preset number.

Table 5-3: Call Forwarding Options

- Press OK to save settings.

## 5.2.6 General Settings

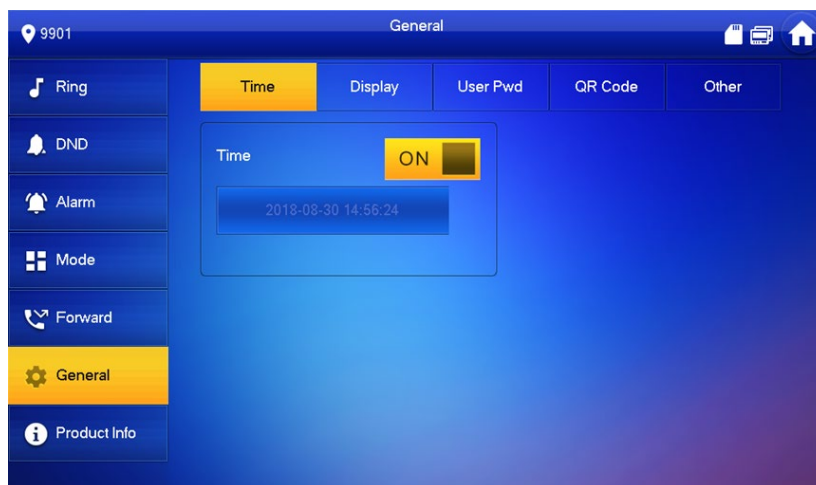
Set VTH time, display, password, and other parameters. .

### 5.2.6.1 Setting Time

Set the VTH system time, time zone, and daylight savings time (DST).

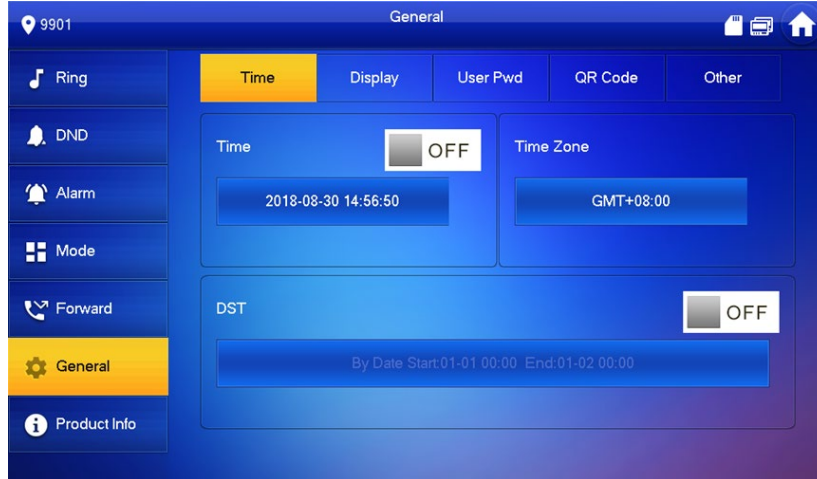
These parameters are set only on the Master VTH, and the Master VTH synchronizes the settings to its Extension VTH devices.

- Press and hold Setting until the system displays the Password Verification dialog box.
- Type your password and press OK.
- Select General > Time.



4. Set the time parameter.

- Manual system time:
  - a) Press ON.
  - b) Press time text box to set system time.
- Set time zone:
  - a) Press ON.
  - b) Press the Time Zone text box and select the local time zone.

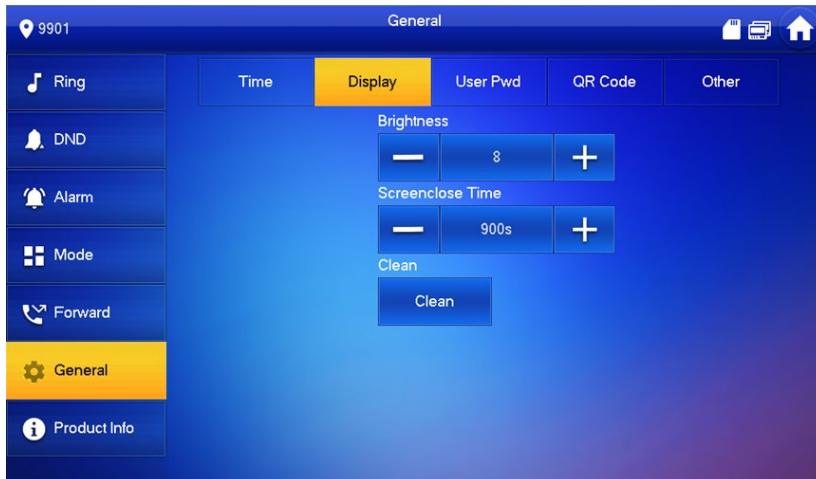


- Set DST:
  - a) Press OFF in the DST box to enable DST.
  - b) Press DST text box and select DST start time and end time.

### 5.2.6.2 Display Setting

Set VTH screen brightness, screensaver time, and clean time.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Select General > Display.



4. Set parameters.

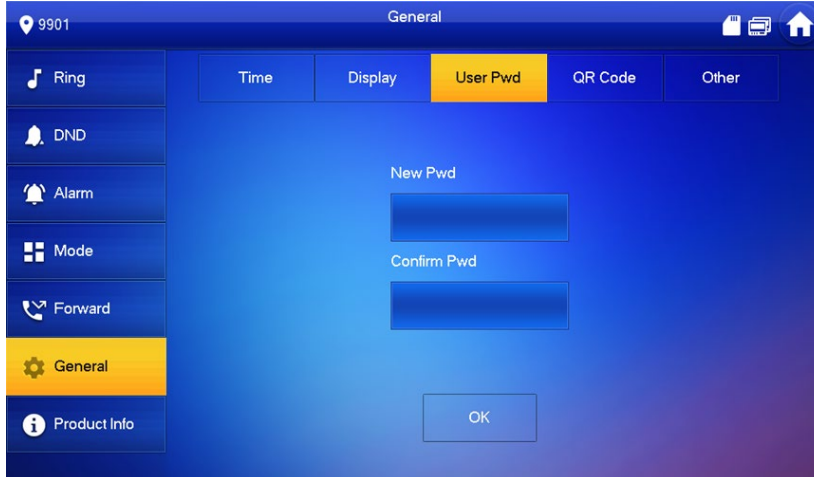
- a) Press the “+” or the “-” to set the Brightness and Screensaver Time.
- a) Press Clean to lock the screen for 10 seconds in order to clean the touchscreen.

### 5.2.6.3 Setting the Password

Use this dialog box to set the login password.

These parameters are set only on the Master VTH, and the Master VTH synchronizes the settings to its Extension VTH devices.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Select General > User Password.



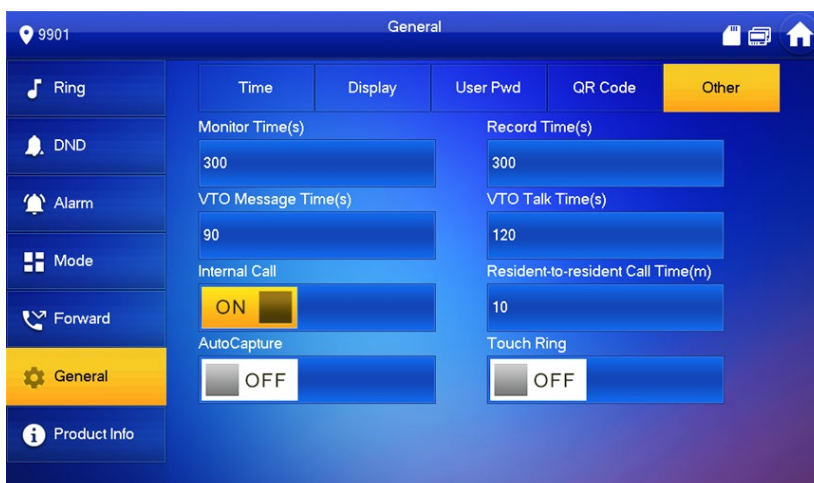
4. Type a New Password and confirm the password in the Confirm Pwd box.
5. Press OK to complete password modification.

### 5.2.6.4 Configuring Other Settings

Set monitor time, record time, VTO message time, VTO talk time, resident-to-resident call enable, resident-to-resident call time, auto capture and touch ring.

You can set Auto Capture and Touch Ring at both Master and Extension VTH devices, other parameters are set only on the Master VTH and then synchronizes with its Extension VTH devices.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Select General > Other.



4. Set the following parameters:

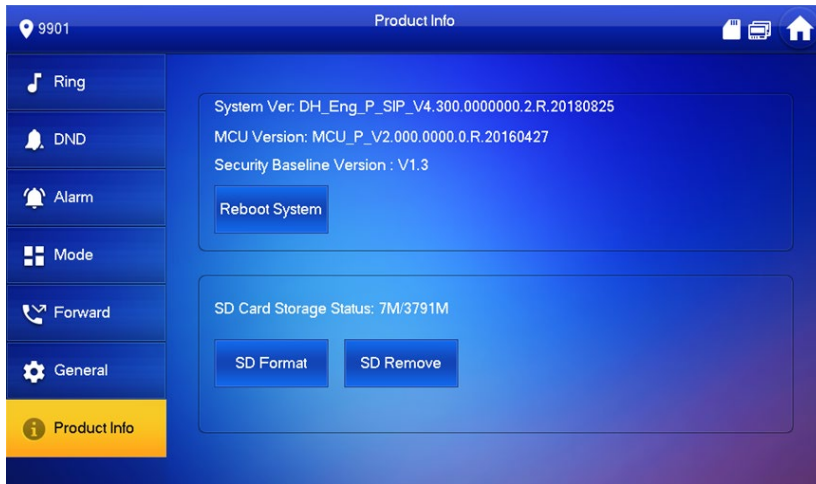
Parameter	Description
Monitor Time	Maximum time to monitor the video from a VTO, VTO sub-station, IP camera or another device.
Record Time	Maximum recording time of videos during call, talk, monitoring, and speaking. The system stops recording at the end of recording time.
VTO Message Time	<ul style="list-style-type: none"> <li>• When VTO message time is not 0:</li> <li>• If VTH with SD card doesn't answer when VTO calls, enter message status according to prompt, and save the message in SD card of VTH.</li> <li>• If VTH doesn't have SD card, but VTO has enabled "Leave Message Upload" and set FTP server, "Message" tab will appear at VTH info interface. If VTH doesn't answer when VTO calls, enter message status according to prompt, and upload the message to FTP server.</li> <li>• If VTH doesn't have SD card, and VTO has not enabled "Leave Message Upload", if VTH doesn't answer when VTO calls, hang up automatically.</li> <li>• When VTO message time is 0:</li> <li>• Hang up automatically if VTH doesn't answer when VTO calls, no matter whether VTH has SD card or not, no matter whether VTO has enabled "Leave Message Upload" or not.</li> </ul> <p>If VTO sets to forward the call to management center, if VTH doesn't answer when VTO calls, and there is no message prompt, the call will be forwarded to management center.</p>
Resident-to-resident Call Time	Maximum talk time between VTH and another VTH.
VTO Talk Time	Maximum talk time when a VTO calls a VTH.
Resident-to-resident Call Enable	<p>After resident-to-resident call is enabled, VTH can call another VTH.</p> <p>The called party enables internal call, to realize this function.</p>
Auto Capture	<p>After auto capture is enabled, 3 pictures will be captured automatically when VTO calls VTH. View them at "Info &gt; Record and Picture" interface.</p> <p>This function is valid only when SD card is inserted.</p>
Touch Ring	After enabling touch ring, there will be a ring when touching the screen.

Table 5-4: Other VTH Setting Parameters

## 5.2.7 Product Info

This box lets you reboot the system and format the SD card, if installed.

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press Product Info.



4. Press Reboot and press OK at the prompt to reboot the VTH.
5. Press SD Format and press OK at the prompt to format the SD card.

## 5.2.8 Resetting the Password

1. Press and hold Setting until the system displays the Password Verification dialog box.
2. Type your password and press OK.
3. Press Forget Password.



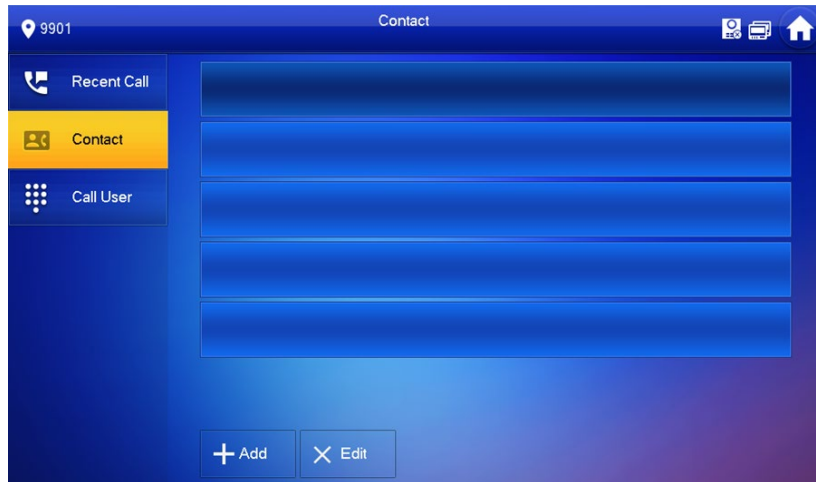
4. Scan the QR code with any code-scanning APP, bind your email box, send it by email to support\_cpwd@htmicrochip.com, and thus obtain security code.
5. Press Next.
6. Enter “Password”, “Confirm Password” and obtained “Security Code”.
7. Press OK to reset the password.

## 5.2.9 Making and Receiving Calls

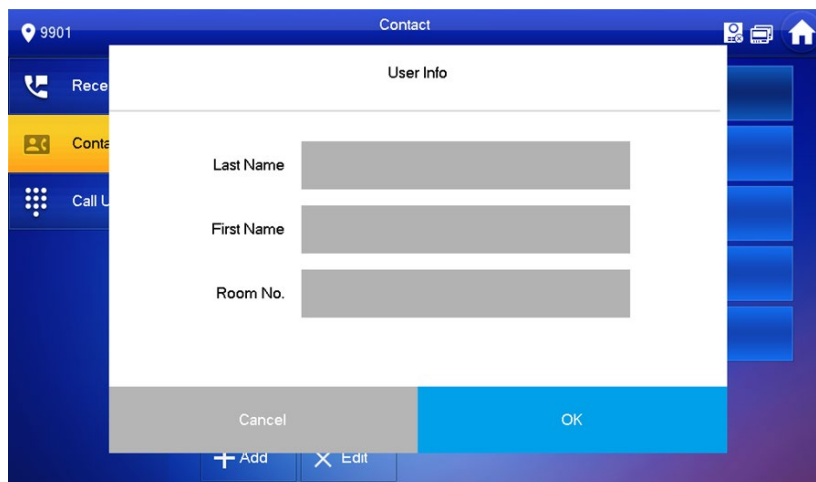
### 5.2.9.1 Adding Contacts

Add and edit VTH and extension number.



1. Select Call > Contact.



2. Press Add.



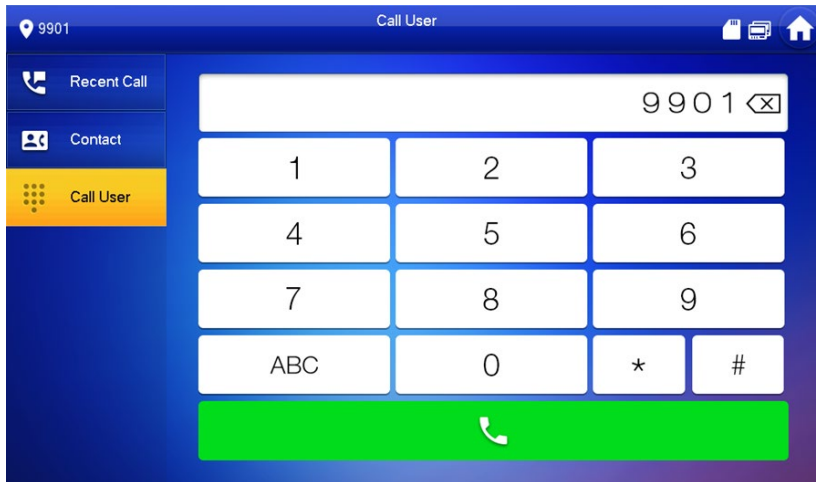
3. Enter the Last Name, First Name, and the Room Number of the contact person.
4. Press OK to add the contact.

5. To edit a contact, select the contact and press .
6. To delete a contact, press Edit and select the contact. Then press Delete to remove the contact. Multiple contacts can be selected and deleted at one time.
7. To place a call to a contact:
  - a) Select “Call > Contact” and select the contact.
  - b) Press  to place the call.

### 5.2.9.2 Calling Other VTH Units

Make sure that resident-to-resident call function has been enabled. If both VTHs have a camera, bilateral video call can be provided.

1. Select Call > Call User.

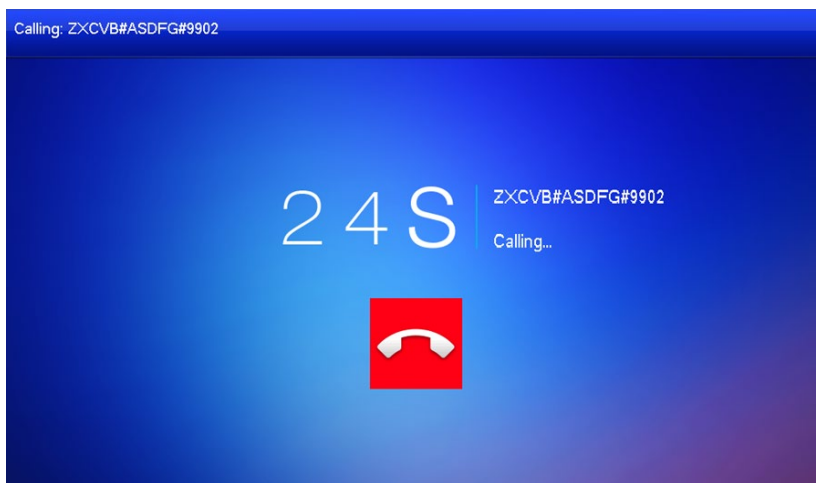


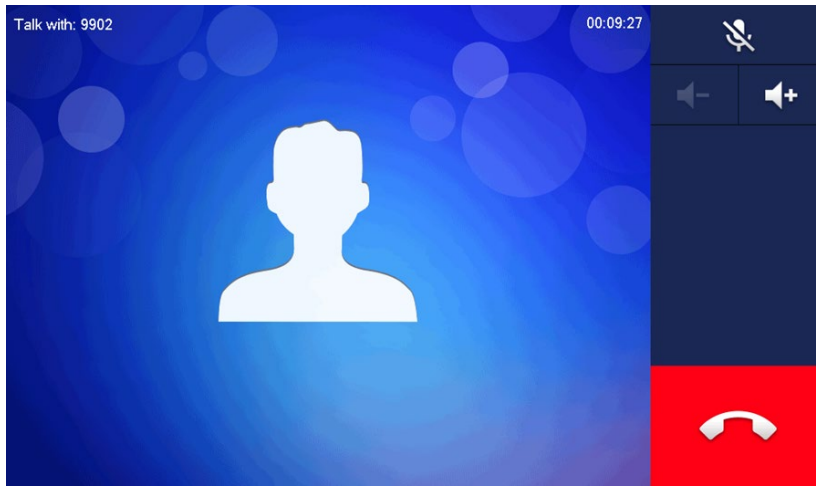
2. Enter the room number for the VTH you wish to call.
  - If VTO works as SIP server, dial room no. directly.
  - If the platform works as SIP server:
    - To call a user in the same unit and building, dial the room number directly.
    - To call a user in another buildings or unit, dial the complete address: Building Number + Unit Number + Room Number. For example, to call Building 1 Unit 1 Room 101 dial 1#1#101 to call.

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

3. Press  to place the call.

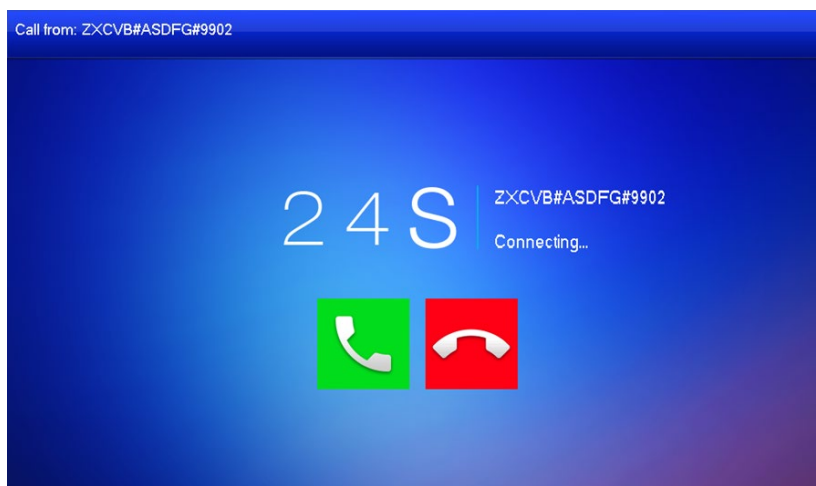
The system displays calling interface. If VTH owns a camera, there will be videos after answering the call.







### 5.2.9.3 Answering a Call

When another VTH calls this VTH, the call interface will be displayed.



- Press  to answer the call.
- Press  to hang up.

#### 5.2.9.4 Managing Recent Calls

View and manage missed calls, accepted calls, and the call log of the VTH.

To call back a recent contact, select Call > Recent Call. Select the list of all calls or a list of only missed calls.



- Select the recent call of required VTH, press Call to call the contact.
- Press Edit, select a recent call record, and press Delete to remove the record.
- Press Clear to clear all recent calls in this tab.

# 6 Monitoring Locations

VTH master and extension devices are capable of displaying live video feeds from Main VTO stations, VTO sub-stations, and from IP cameras connected to the same network.

## 6.1 Monitoring Video from a VTO Station

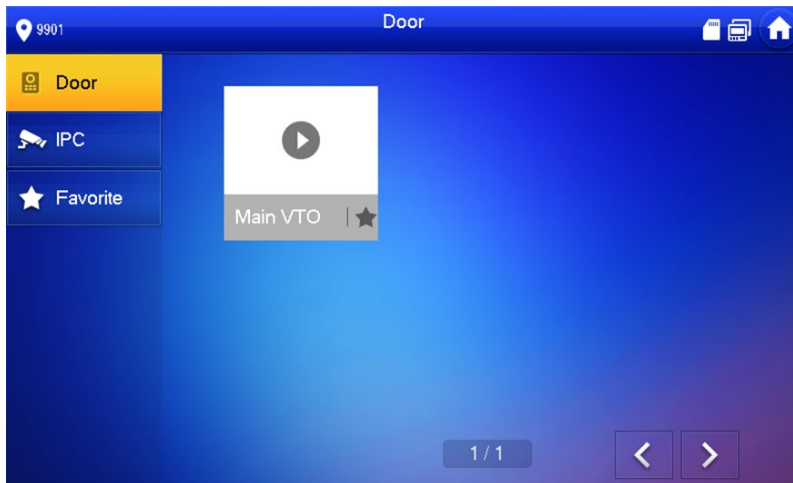
VTH devices can monitor video from a main VTO station and from a VTO sub-station. In monitoring mode, you can press the Call Key (📞) on the VTH front panel to transmit audio to the monitored VTO.


Note that the VTH user name and password must be set in each VTO that you need to monitor.

1. Select Monitor > VTO.

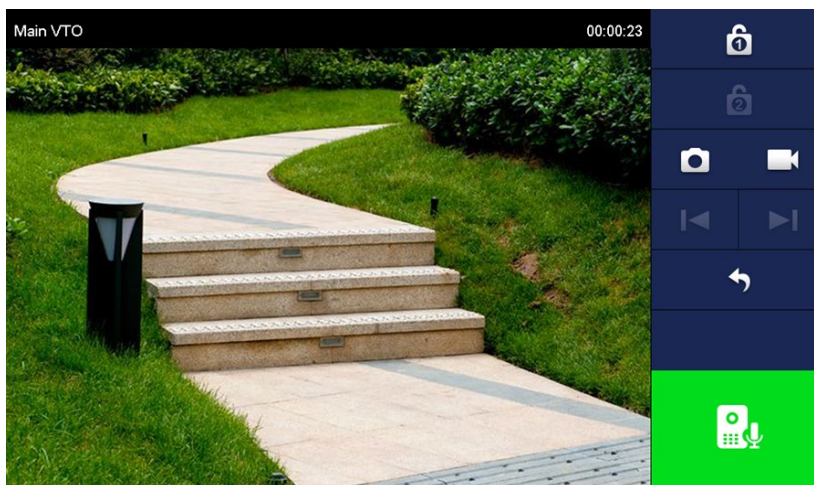
The system displays the list of added VTO main and substations.

2. Press the Star icon to add the VTO station to the Favorite list.



3. Press  to display the video from the VTO.

The device enters monitoring mode.



You can take the following actions:









Icon	Description
	Unlock the VTO remotely. The system provides 2-channel unlock function. If the icon is gray, then the unlock function for this VTO is not available.
	Take a snapshot. This key is gray if an SD card is not installed in the VTH.
	Start recoding video. Videos are stored in the installed SD card. If the SD card is full, then the VTH overwrites older video. This key is gray if an SD card is not installed in the VTH.
	Press  or  to switch to between multiple connected VTO devices to view that specific video feed
	Cancel monitoring.
	Speak to a person at the monitored device. Press the key again to disconnect.

Table 6-1: VTH Video Monitoring Actions

## 6.2 Monitoring a Remote Camera

In addition to displaying video from a VTO station, the VTH can also display video from an IP camera that is configured on the same network as the VTH device.

### 6.2.1 Adding a Camera

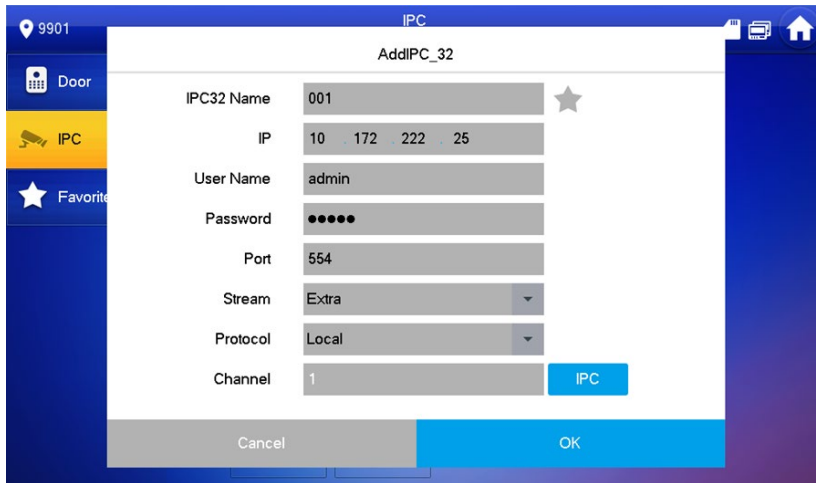
An IP camera that is added to the intercom system at the main VTO or via the mobile application interface is automatically synchronized to each VTH in the system.

Note, ensure the IP camera is powered and connected to the same intercom network prior to adding to the intercom system.

1. Select Monitor > IPC.



2. Press +Add.




3. Configure the camera parameters using the table below.

Parameter	Description
IPC	<p>Press this key to select the source of the incoming video feed: IPC, NVR, DVR, or HDCVI DVR (HCVR).</p> <ul style="list-style-type: none"> <li>• Select IPC if the video feed streams from a connected IPC directly.</li> <li>• Select NVR/DVR/HCVR if the video feed streams via a central recording device to which the IP camera is connected.</li> </ul>
IPC32 Name	Enter a name for the connected camera or recording device.
IP	Enter the IP Address for the connected camera or recording device.
User Name	Enter the User Name and the Password to login into the e connected camera or recording device.
Password	
Port	Default port is 554.
Stream	<p>Select the stream type:</p> <ul style="list-style-type: none"> <li>• Main stream: high-definition video that consumes a portion of bandwidth, suitable for local storage.</li> <li>• Extra stream: relatively smooth image with less bandwidth consumption, suitable for network transmission with low bandwidth.</li> </ul>
Protocol	Select either the video transmission protocol that the camera or device uses to transmit video. Choose Local or ONVIF.
Channel	<ul style="list-style-type: none"> <li>• IP Camera: Channel is always 1.</li> <li>• Recording Device: Channel number is the same channel assigned to the IP camera connected to the recording device.</li> </ul>

Table 6-2: Remote Video Fee Parameters

4. Press OK to accept and save the settings.
5. Press the Star icon to add the device to the Favorite list.


## 6.2.2 Modifying Camera Parameters

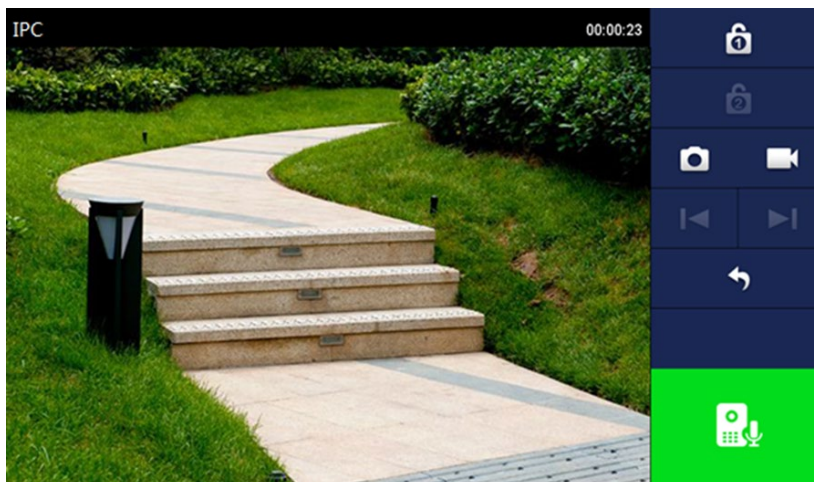
1. Select Monitor> IPC.
2. Press  for the connected IP camera or recording device.
3. Modify IPC parameters. Refer to Table 6.2 for details.
4. Press OK to accept and save the changes.

## 6.2.3 Deleting Cameras

1. Select Monitor> IPC.
2. Press Edit.
3. Select the desired IP camera or recording device.
4. Press Delete to remove the device from the IPC list.

## 6.2.4 Monitoring Video from a Connected Device

1. Select Monitor> IPC.
2. Select the IP camera or recording device and press .



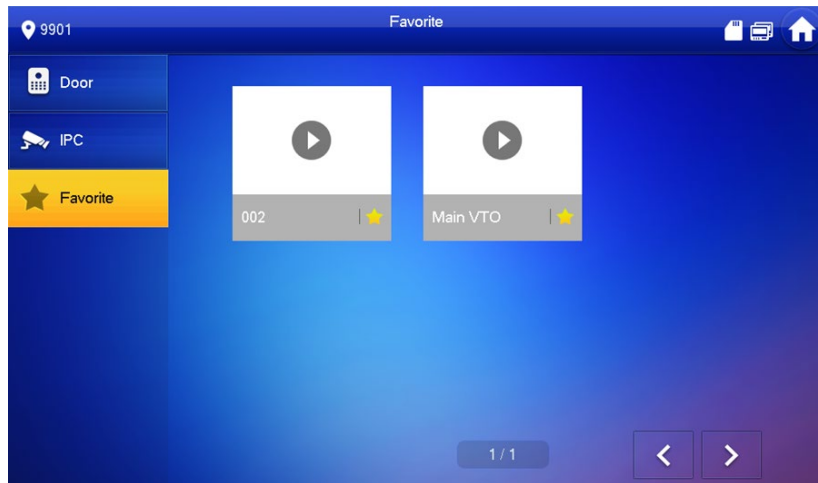
3. Refer to Table 6.2 for camera monitoring functions.


## 6.3 Selecting Favorites

The VTH maintains a list of favorite VTO stations and IP cameras/recording devices so you can quickly display video from a device.

Note, you must add devices to the Favorite list by pressing the Star icon on the device icon.

1. Select Monitor> Favorite

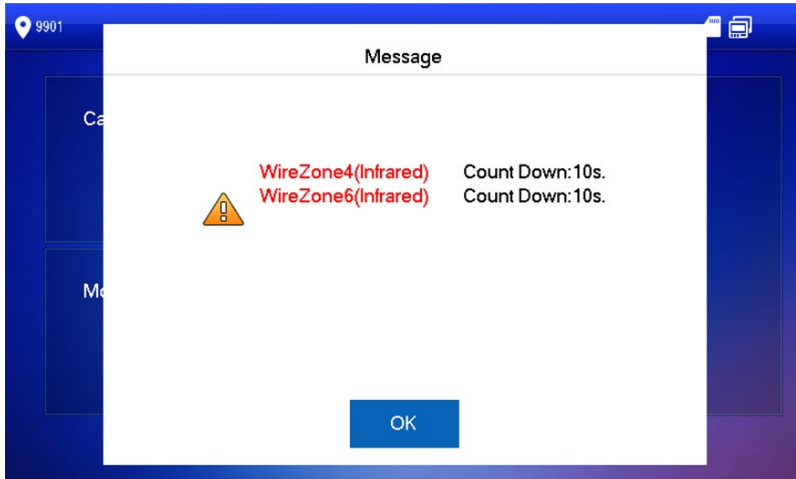


2. Select the device to be monitored and press  .  
The system displays the monitoring interface.

## 6.4 VTH Information

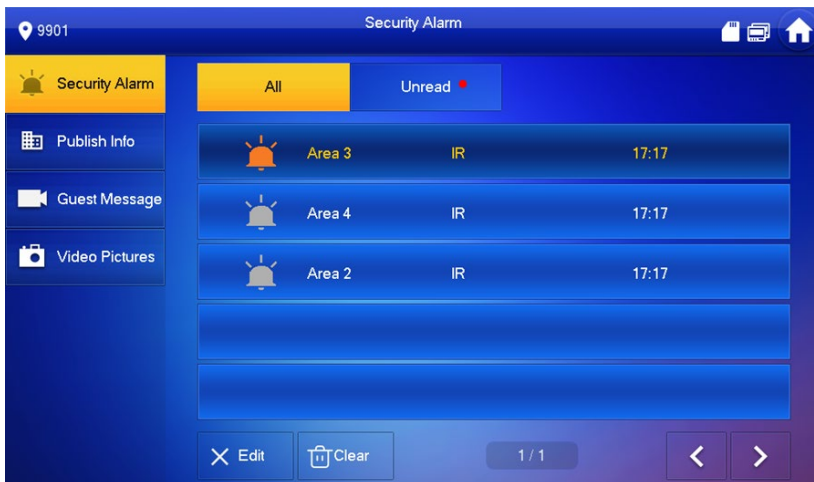
### 6.4.1 Reviewing Security Alarms

The VTH plays a 15 second sound after an alarm is triggered and displays a prompt interface, as shown below. The VTH also uploads the alarm information to the alarm record interface and to the management platform.



To view all alarm messages, select Info > Security Alarm to access the Security Alarm interface, as shown below. The All tab displays all alarm message stored in the system, and the Unread tab displays only those alarms messages that have not been read.

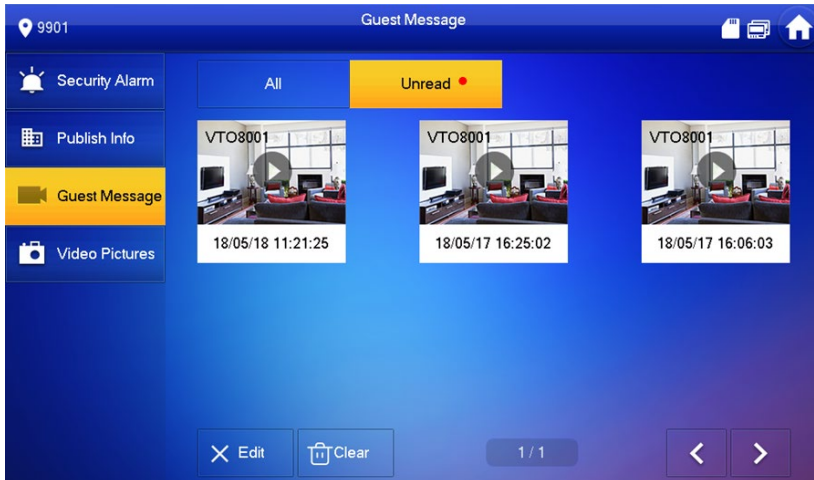
- Press Edit to select a message.
- Press Delete to delete the selected message.
- Press Clear to delete all records after confirmation.



## 6.4.2 Reviewing Guest Messages

A VTH device with an installed SD card can store guest messages (all messages stored on the SD card) recorded at a VTO station. The VTH can also retrieve messages from the VTO if the VTO device has FTP enabled and the “Video-audio Message Uploading” feature is enabled. Refer to the VTO User Manual for more information.

To retrieve guest messages, select Info > Guest Message.



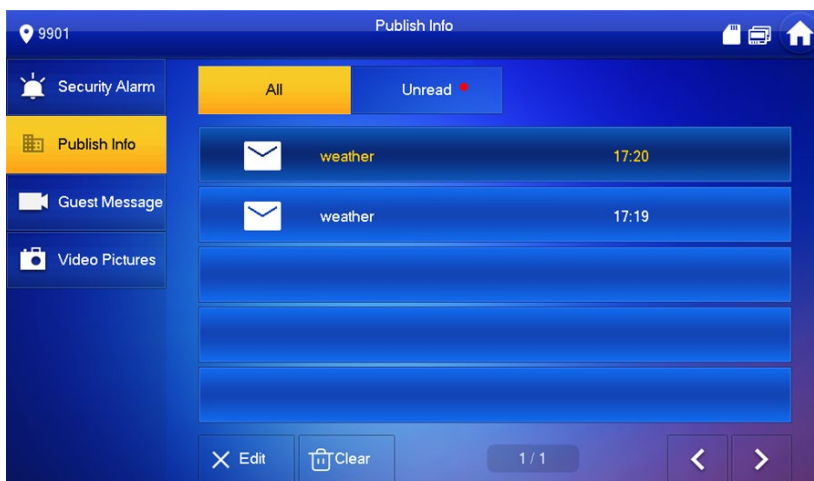
The All tab displays all messages stored on the system, the Unread tab displays only those messages not yet viewed.

- Press Edit to select a message.
- Press Delete to delete the selected message.
- Press Clear to delete all records after confirmation.

## 6.4.3 Reviewing Published Information

Published information are messages sent by the management center and in VTH the device.

To retrieve published information, select Info > Publish Info.

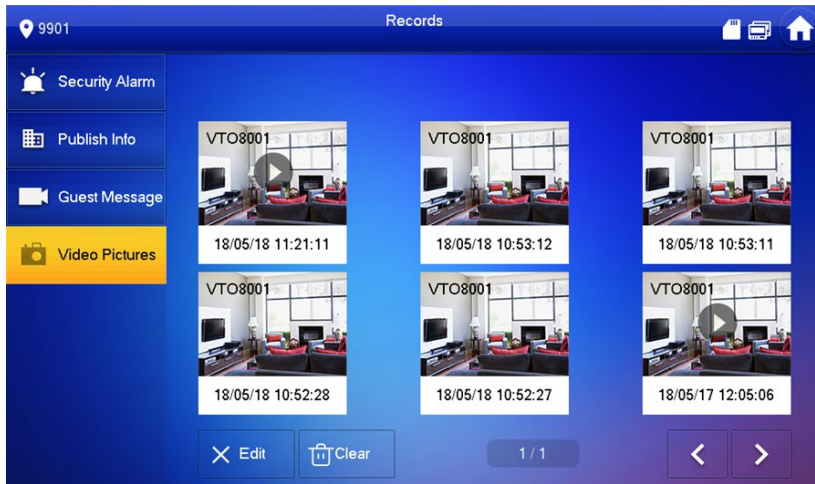


- Press Edit to select a message.
- Press Delete to delete the selected message.
- Press Clear to delete all records after confirmation.

## 6.4.4 Viewing Stored Video

The VTH can store videos and snapshots when an SD card is installed in the device.

To view these videos or snapshots, select Info > Video Pictures.



- Press Edit to select a message.
- Press Delete to delete the selected message.
- Press Clear to delete all records after confirmation.


## 6.5 Arm/Disarm Function

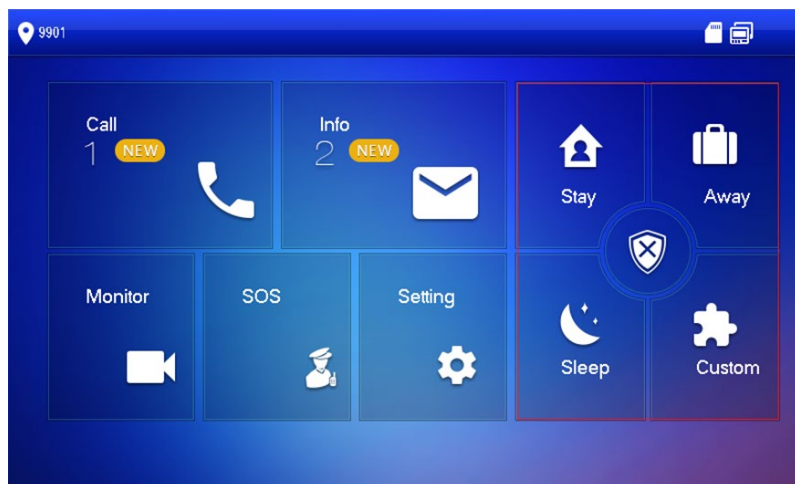
### 6.5.1 Arming an Alarm

In case of triggering alarm after arm, produce linkage alarm and upload 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.



1. Press  at the main interface.



2. Select arm mode. The system displays password input interface.
3. Enter arm and disarm password; press [OK].  
The device beeps continuously, which represents successful arm. The key displays corresponding arm mode.

### 6.5.2 Disarming an Alarm

Please ensure that it is in armed status. Otherwise, disarm will fail.

1. Press disarm symbol at the lower right corner of the main interface.
2. Enter arm and disarm password; press [OK].

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.

# 7 DSS Mobile

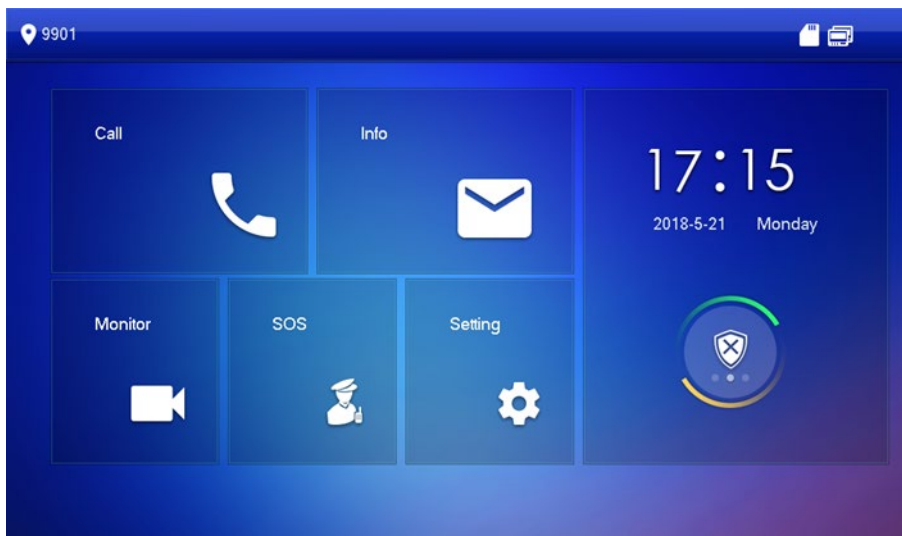
The VTH device is compatible with the Dahua DSS Mobile for VDP mobile application. From DSS you can unlock doors, talk to connected VTO devices, call the management center, and view call records and messages.

## 7.1 Downloading the App

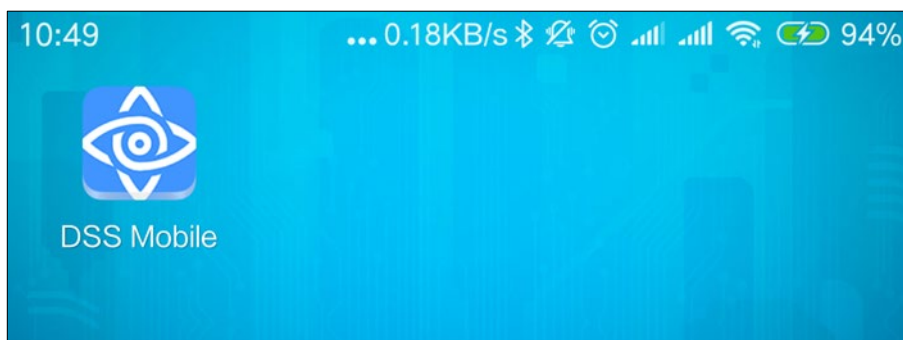
Before start, make sure your VTO, VTH, and DSS server are properly connected.

1. On the VTH main interface, press Setting.

The Password Verification dialog box is displayed.

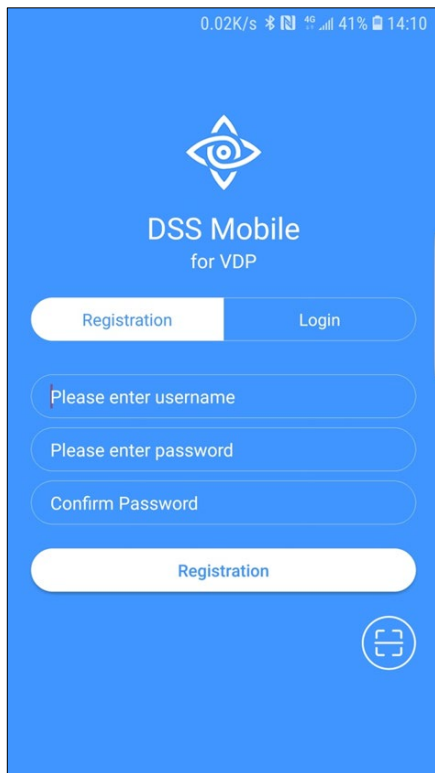



2. Input the password you configured, and then select General > QR Code. The Register code and Download code are displayed.
3. Scan the Download code with your smart phone to download and install the app. You can also search for “DSS Mobile for VDP” in the Apple App Store or in Google Play.



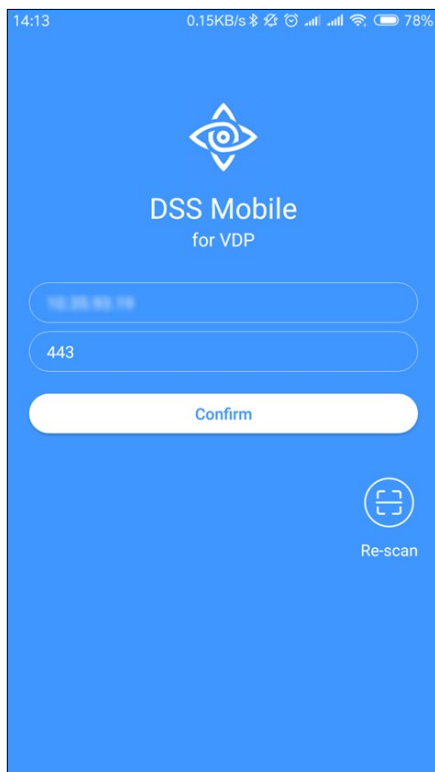
## 7.2 Registering the App

1. Run the app, accept the End-User License Agreement, and then allow the permissions for the app. The Registration interface is displayed.

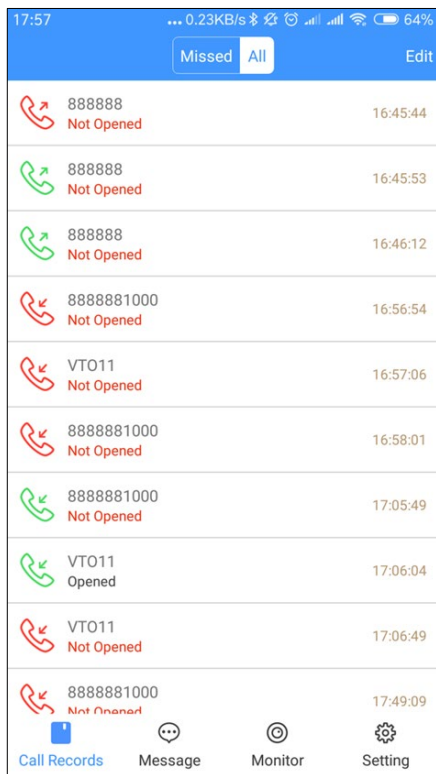


2. Tap  and then scan the Register code on the VTH.

The IP address and port number of your DSS server is displayed.



3. Tap Confirm, enter the user name and password you need, and then tap Registration. You can register 5 users on a VTH at most.
4. Tap Login.
5. Enter the user name and password you registered, and then tap Login. The Call Records interface is displayed.



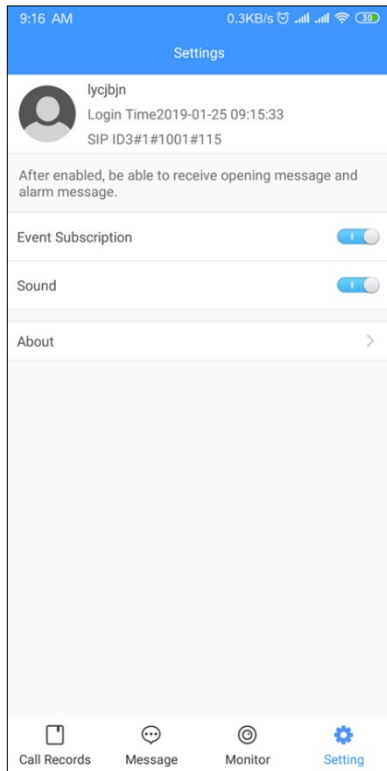
## 7.3 Call Functions

### 7.3.1 Configuring Call Forwarding

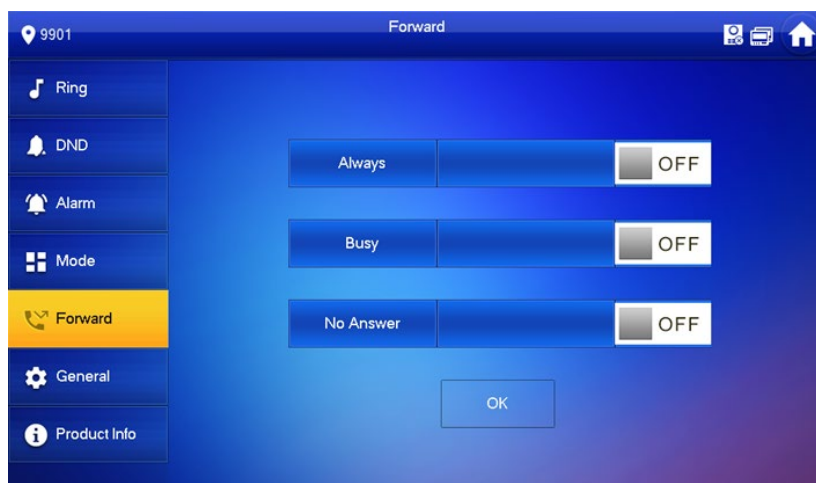
The VTH device can forward incoming calls to your mobile device.

1. Log into the app and tap Setting.
2. Note the SIP ID.

The Settings interface is displayed. The SIP ID is 3#1#1001#115.



3. On the VTH main interface, press Setting.
4. Enter your password and press Forward.

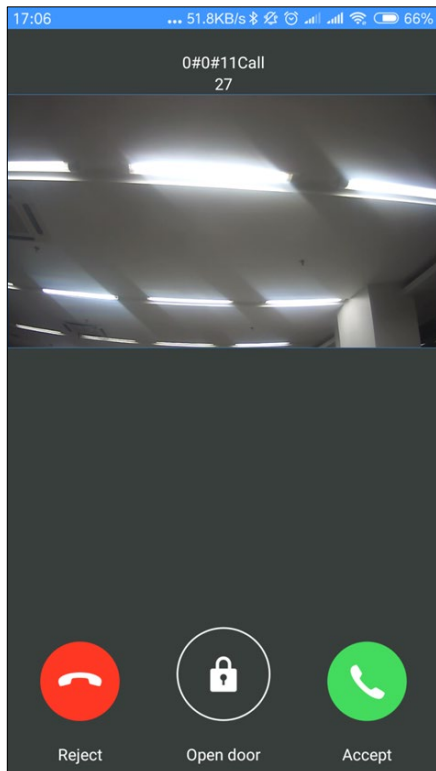


5. Select one of the following forwarding options:
  - Always: VTH forwards all calls.
  - Busy: VTH forwards calls if the VTH is busy with another call.
  - No Answer: VTH forwards any call that has not been answered within 15 seconds.
6. Type the SIP ID in the appropriate input box for the specific forwarding method.
  - To forward the calls to a specific user, enter the SIP ID for that user. For example, if you enter SIP ID 3#1#1001#115 all calls are forwarded to the user associated with the SIP ID.
  - To forward calls to every user associated with a VTH, enter “100” as the last three digits for the SIP ID. For example, if you enter SIP ID 3#1#1001#100 all calls are forwarded to each VTH user’s cell phone at the same time.
7. Press OFF to enable the function and press OK to save.

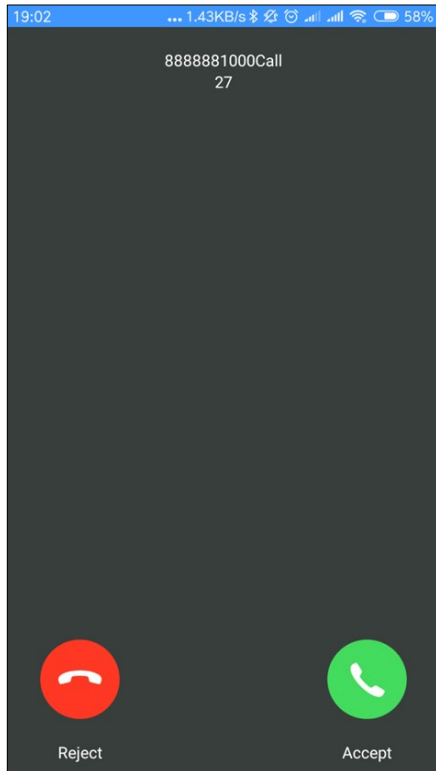
### 7.3.2 Calling Operations

After configuring the call forwarding, you can receive and answer phone calls from a VTO or from the management center.

- When the VTO is making video call, you can answer the call and unlock the door remotely.



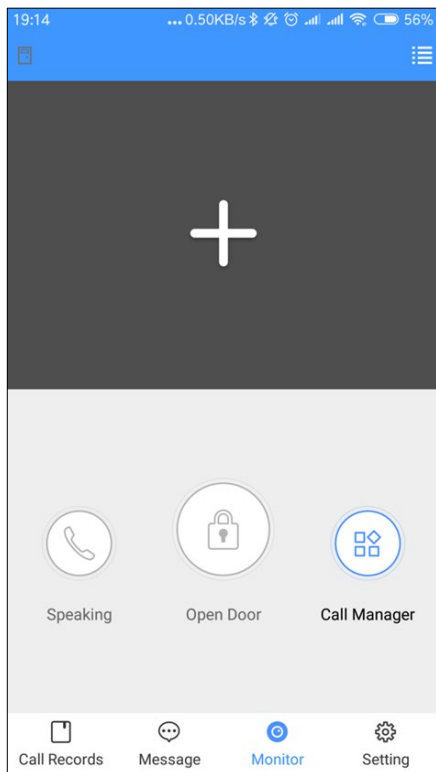
- You can also receive the call from the management center.



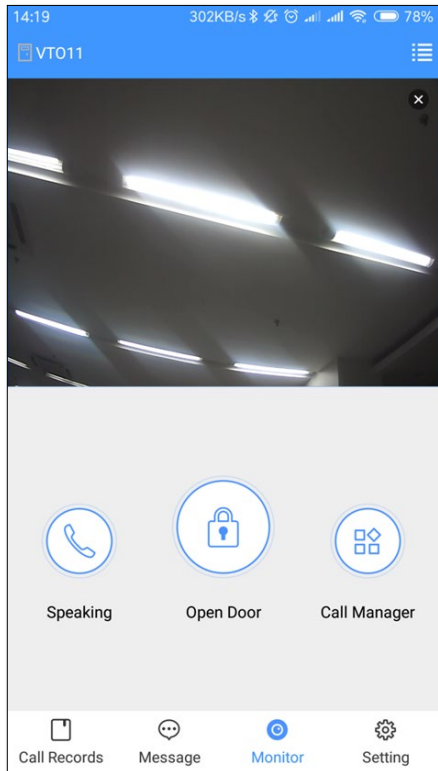
## 7.4 Monitoring Video from a VTO

The mobile application can display streaming video from an associated VTO device.

1. Log into the app and tap Monitor.



2. Tap Call Manager to call the management center.
3. Tap the "+" sign, and then select the VTO video feed you want to display.

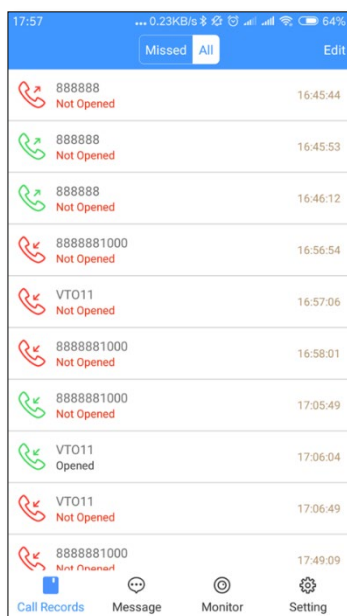


4. Tap Open Door to unlock the door.
5. Tap Speaking to communicate with a person at the VTO station.

## 7.5 Call Records

The mobile application stores call information from a VTO station or from the management center.

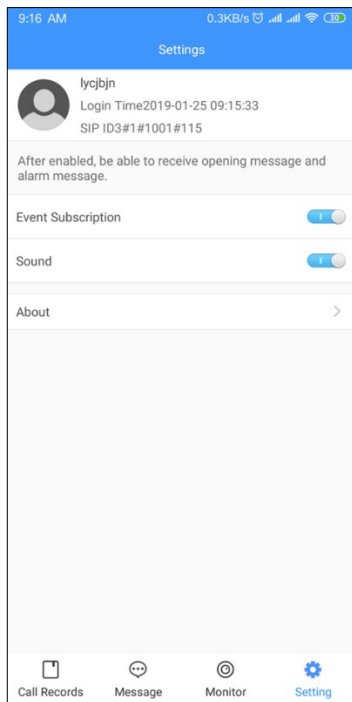
1. Log into the app and tap Call Records.




- Tap Edit to delete a single call record.
- Tap Edit > Empty to delete all the records.

## 7.6 Settings

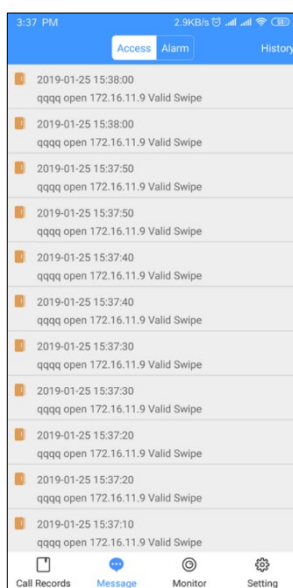
1. Log into the app and tap Setting.



2. Tap  to enable the specific function.
  - Event Subscription: View the access and alarm messages.
  - Sound: Phone rings when receiving a call.
3. Tap About to view the version information and the online help. In addition, you can logout the current account.

## 7.7 Messages

1. Log in the app, and then tap Message to view the access messages and alarm messages.





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