Smart Control Panel

User Manual



V1.1.0

Foreword

This manual introduces the structure and configuration of the smart control panel (hereinafter referred to as the Device). Read carefully before using the device, 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
V1.1.0	V4.820.0000000.0.R	Updated the manual.	February 2026
V1.0.0	V4.800.0000001.0.R	First release.	July 2025

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

WARNING

- 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.
  - 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

DANGER

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.

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1 Product Overview

1.1 Introduction

The smart control panel is a kind of indoor monitor, which integrates such functions as video intercom, access control, information interaction, and smart home management.

1.2 Features

Wi-Fi Networking

Connects to Wi-Fi networks.



The Wi-Fi function is available on select models.

Video/Voice Call

Make video or voice call to other VTHs, VTOs, and DMSS.

Monitoring

Monitor VTO and IPC devices (only available on select models).

Calling to the VTS

Make calls to the Management Center.

Auto Snapshot

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



The SD card (equipped by yourself) 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 8 alarm wireless devices.

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.

1.3 Panels of Surface Mount Smart Control Panel

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

1.3.1 7 Inches

1.3.1.1 Front Panel

There are 3 types of front panels:

Figure 1-1 7-inch button central control screen with camera

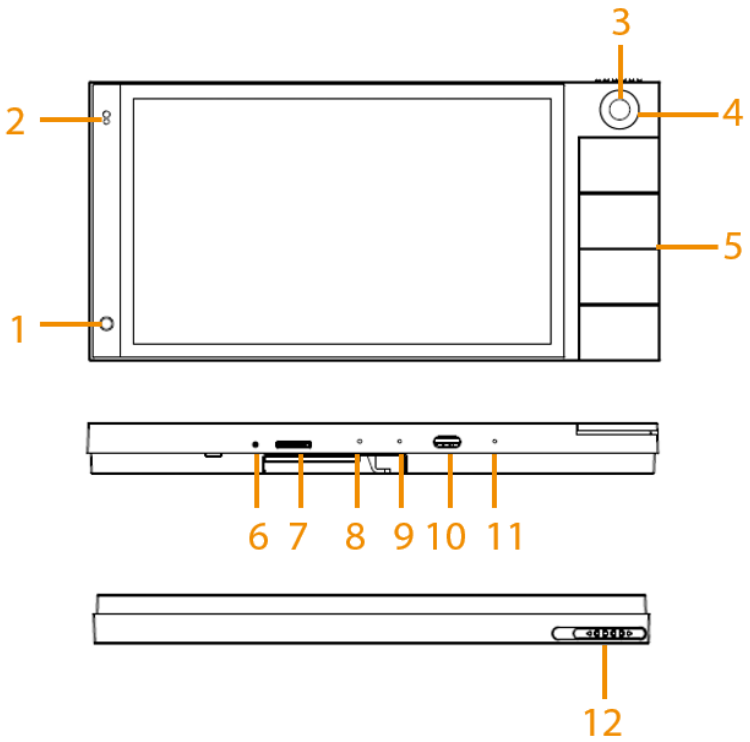


Figure 1-2 7-inch button central control screen with induction loop

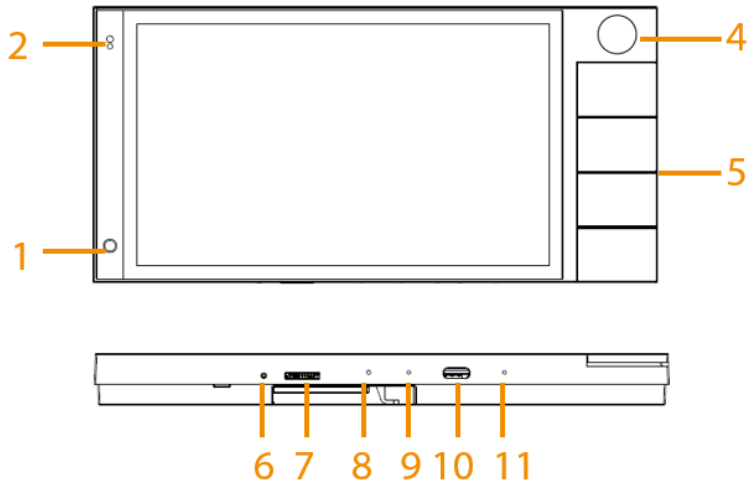


Figure 1-3 7-inch central control full screen

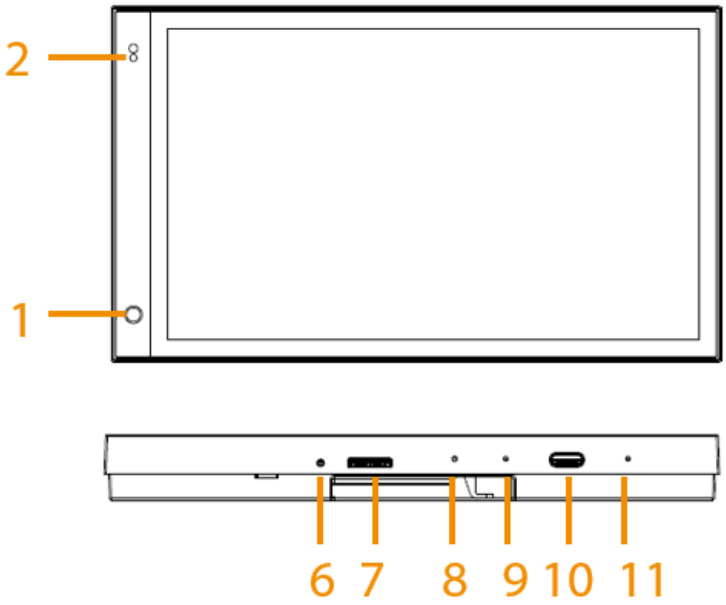


Table 1-1 Front panel description

No.	Name	Description
1	Three-color indicator	● Red indicator ◇ Solid on: Armed. ◇ Flashing: Security alarm. ● Green indicator ◇ Solid on: Incoming call. ◇ Flashing: Unread messages or missed calls. ● Sky blue indicator ◇ Solid on: DND mode disabled. ◇ Flashing: DND mode enabled.
2	Optical distance sensor	The sensor for detecting optical distance.
3	Camera	It is available on select models.
4	Decorative board	It is available on the models with induction loop.
5	Buttons	There are 4 buttons, which are used for calling, unlocking, previewing, and DND from up to bottom. ● Other buttons for emergency, calling lift, unlocking, and customizing are attached. ● The buttons here can be dismantled so that you can install the buttons as needed.
6	Reset	Press it for 5 seconds to reset the Device.
7	SD card	Insert the SD card.

No.	Name	Description
8	Temperature and humidity sensor	The sensor for detecting temperature and humidity.
9, 11	MIC	Microphone.
10	USB	The USB port.
12	Privacy shutter	Used to block the lens when the camera is not in use. This part is only available on 7-inch button central control screen with camera.

1.3.1.2 Rear Panel

Figure 1-4 7-inch button central control screen with camera

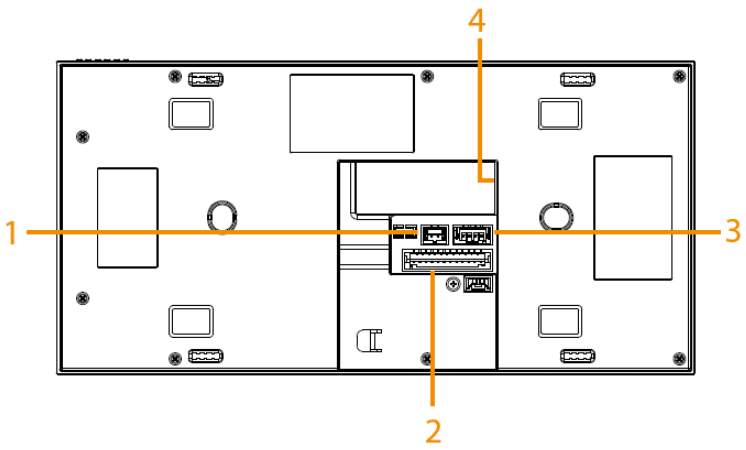


Figure 1-5 7-inch button central control screen with induction loop

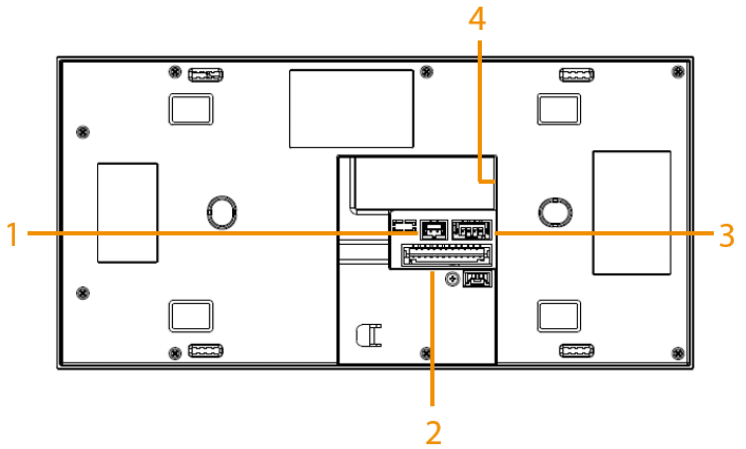


Figure 1-6 7-inch central control full screen

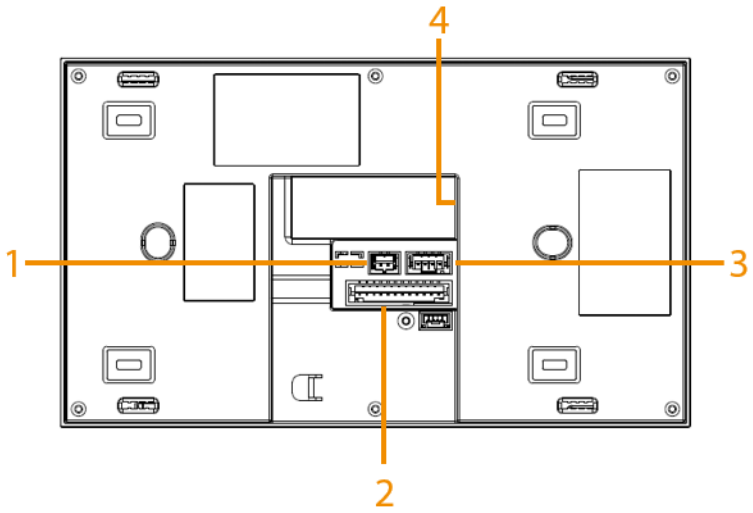


Table 1-2 Rear panel description

No.	Description
1	2 wire port or 48 VDC power input port.
2	Alarm port.
3	RS-485 extended port and power output port.
4	Ethernet port.

1.3.2 10 Inches

1.3.2.1 Front Panel

Figure 1-7 Front panel

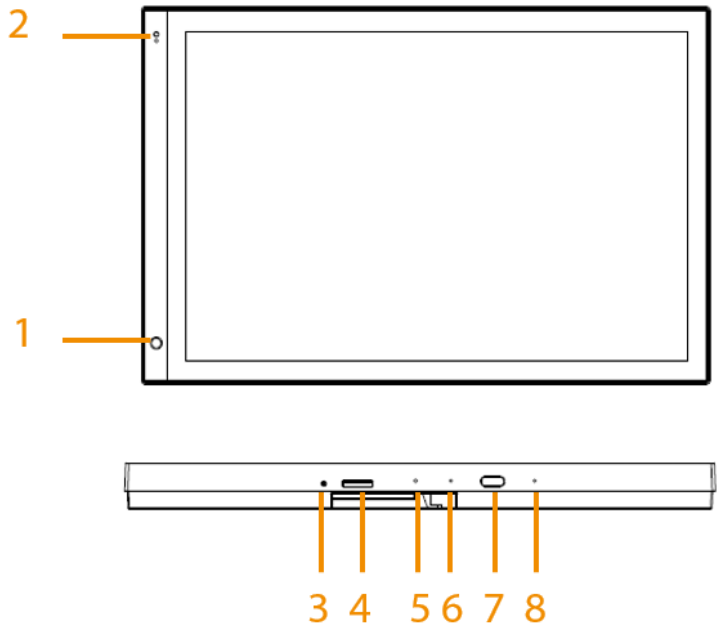


Table 1-3 Front panel description

No.	Name	Description
1	Three-color indicator	● Red indicator ◇ Solid on: Armed. ◇ Flashing: Security alarm. ● Green indicator ◇ Solid on: Incoming call. ◇ Flashing: Unread messages or missed calls. ● Sky blue indicator ◇ Solid on: DND mode disabled. ◇ Flashing: DND mode enabled.
2	Optical distance sensor	The sensor for detecting optical distance.
3	Reset	Press it for 5 seconds to reset the Device.
4	SD card	Insert the SD card.
5	Temperature and humidity sensor	The sensor for detecting temperature and humidity.
6, 8	MIC	Microphone.
7	USB	The USB port.

1.3.2.2 Rear Panel

Figure 1-8 Rear panel

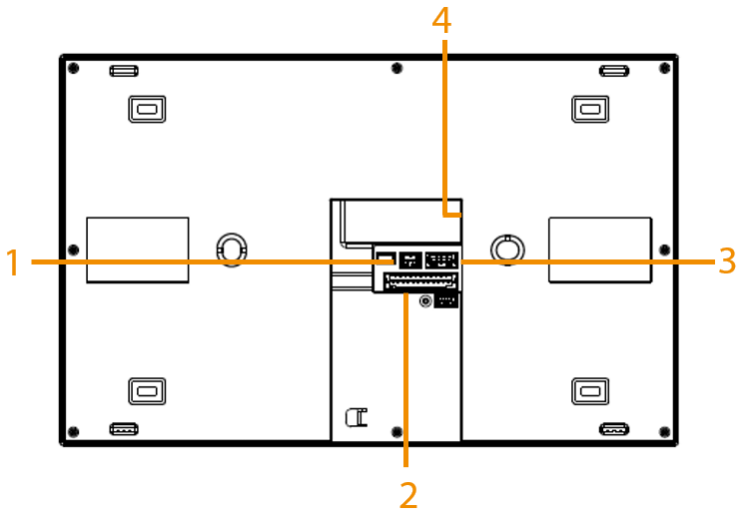


Table 1-4 Rear panel description

No.	Description
1	2 wire port or 48 VDC power input port.
2	Alarm port.
3	RS-485 extended port and power output port.
4	Ethernet port.

1.4 Panels of Flush Mount Smart Control Panel

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

1.4.1 7 Inches

1.4.1.1 Front Panel

There are 3 types of front panels:

Figure 1-9 7-inch button central control screen with camera

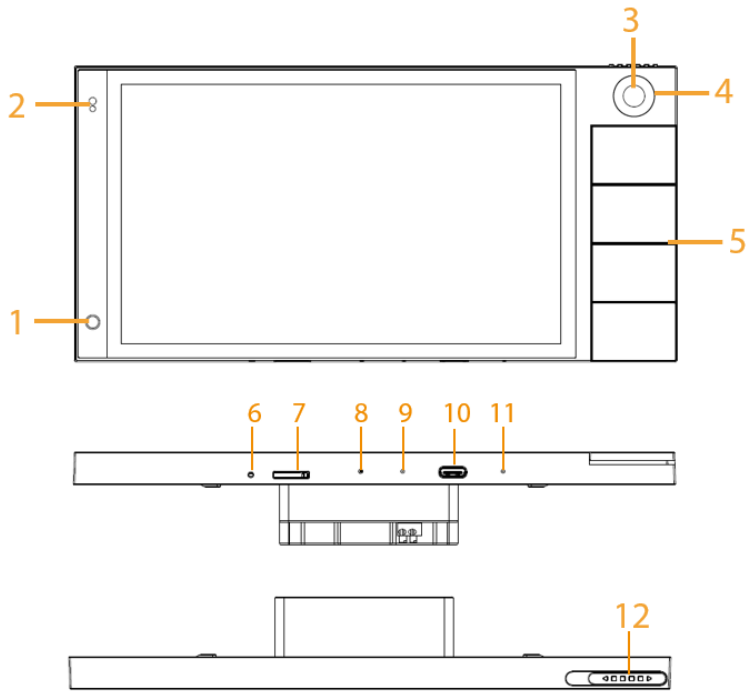


Figure 1-10 7-inch button central control screen with induction loop

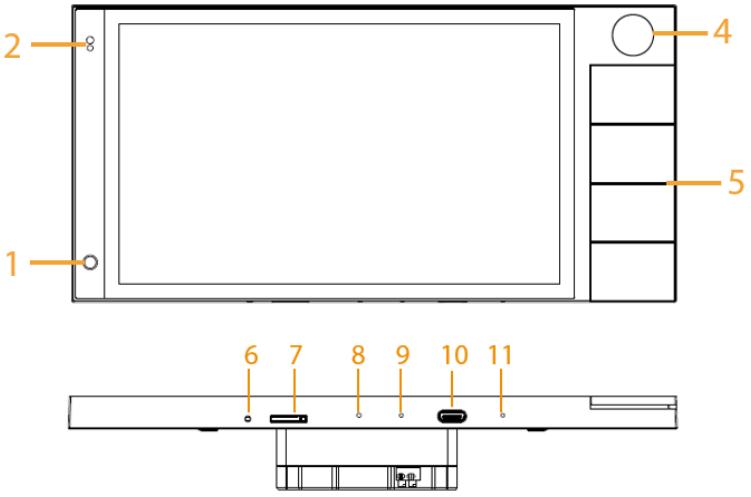


Figure 1-11 7-inch central control full screen

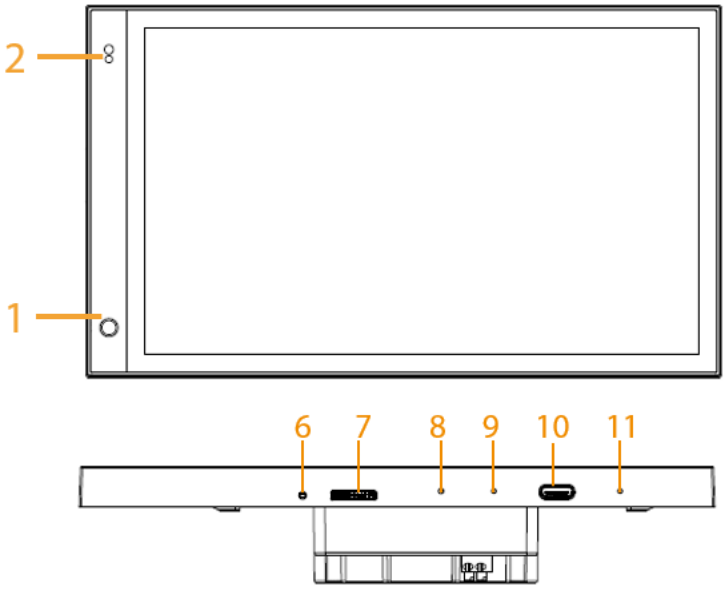


Table 1-5 Front panel description

No.	Name	Description
1	Three-color indicator	● Red indicator ◇ Always on: The armed function has been enabled. ◇ Blinking: Security alarm detected. ● Green indicator ◇ Always on: Incoming call. ◇ Blinking: There are unread messages or missed calls. ● Sky blue indicator ◇ Always on: DND mode is disabled. ◇ Blinking: DND mode is enabled.
2	Optical distance sensor	The sensor for detecting optical distance.
3	Camera	It is available on select models.
4	Decorative board	It is available on the models with induction loop.
5	Buttons	There are 4 buttons, which are used for calling, unlocking, previewing, and DND from up to bottom. ● Other buttons for emergency, calling lift, unlocking, and customizing are attached. ● The buttons here can be dismantled so that you can install the buttons as needed.
6	Reset	Press it for 5 seconds to reset the Device.
7	SD card	Insert the SD card.

No.	Name	Description
8	Temperature and humidity sensor	The sensor for detecting temperature and humidity.
9, 11	MIC	Microphone.
10	USB	The USB port.
12	Privacy shutter	Used to block the lens when the camera is not in use. This part is only available on 7-inch button central control screen with camera.

1.4.1.2 Rear Panel

There are 2 types of rear panels:

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

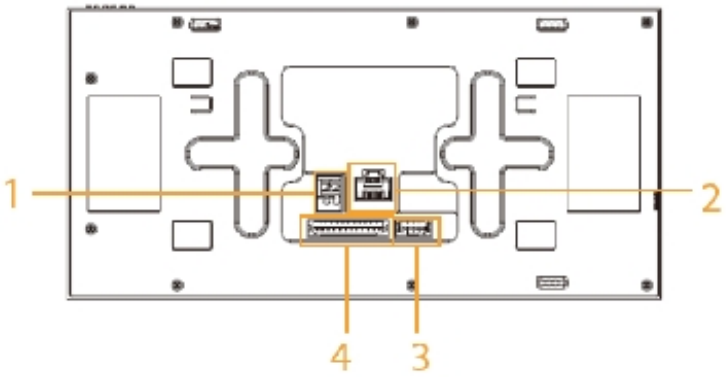


Figure 1-13 Rear panel (4-wire devices)

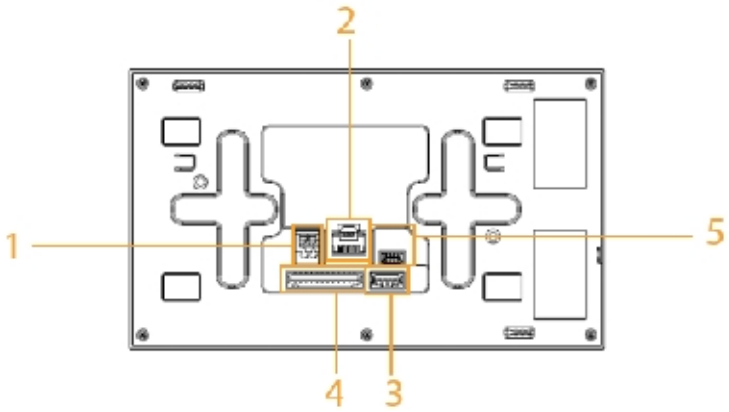


Table 1-6 Rear panel description

No.	Description
1	• For 2-wire devices, it is 2 wire port or 48 VDC power input port. • For 4-wire devices, it is 12 VDC power input port.

No.	Description
2	Network port
3	RS-485 extended port and power output port
4	Alarm port
5	4-wire ports It is only available for 4-wire devices.

1.4.2 10 Inches

1.4.2.1 Front Panel

Figure 1-14 Front panel

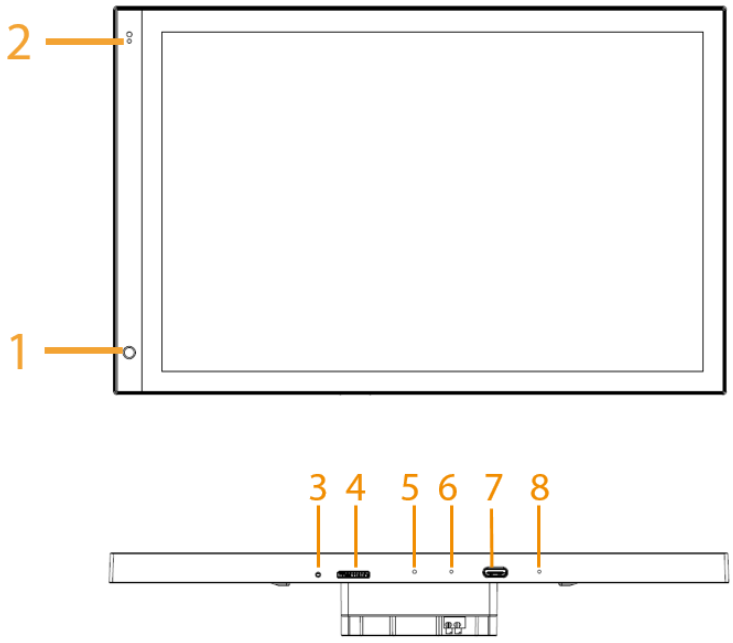


Table 1-7 Front panel description

No.	Name	Description
1	Three-color indicator	● Red indicator ◇ Always on: The armed function has been enabled. ◇ Blinking: Security alarm detected. ● Green indicator ◇ Always on: Incoming call. ◇ Blinking: There are unread messages or missed calls. ● Sky blue indicator ◇ Always on: DND mode is disabled. ◇ Blinking: DND mode is enabled.
2	Optical distance sensor	The sensor for detecting optical distance.
3	Reset	Press it for 5 seconds to reset the Device.
4	SD card	Insert the SD card.
5	Temperature and humidity sensor	The sensor for detecting temperature and humidity.
6. 8	MIC	Microphone.
7	USB	The USB port.

1.4.2.2 Rear Panel

Figure 1-15 Rear panel

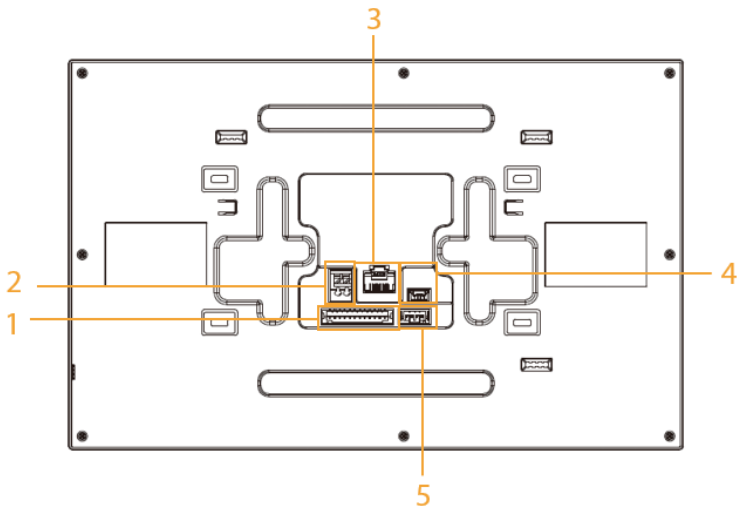


Table 1-8 Rear panel description

No.	Description
1	Alarm port
2	12 VDC power input port

No.	Description
3	Network port
4	4-wire ports
5	RS-485 extended port and power output port

1.5 4-Wire Port

Figure 1-16 4-wire port

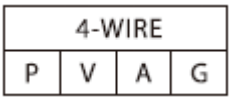


Table 1-9 4-wire port description

Port	Description
P	Connects to the power port of the Device.
V	Connects to the video port of the Device.
A	Connects to the audio port of the Device.
G	Connects to the GND port of the Device.

1.6 4-Wire Cord Specification

For 4-wire devices, there is a cord specification.

Depending on the distance between the VTO and the Device, you need to select RVV4 cords of different specifications.

Table 1-10 Cord specification

Transmission Distance (TD)	RVV4 Cord Specification
TD ≤ 10 m	RVV4 × 0.3 mm^2
10 m < TD ≤ 30 m	RVV4 × 0.5 mm^2
30 m < TD ≤ 50 m	RVV4 × 0.75 mm^2

- Do not pull the cords violently.
- During wiring, wrap the cord joints with insulated rubber tape to prevent short circuit.
- Hot swapping might cause the Device to restart.

If the distance between the VTO and the Device is more than 50 m, use coaxial cables.

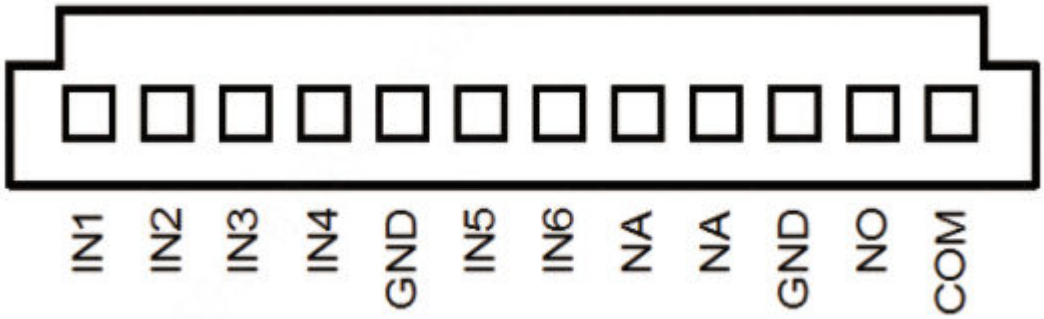
1.7 RS-485 Extended Port

Figure 1-17 RS-485 extended port



1.8 Alarm Port

Figure 1-18 Alarm port



2 Installation Precaution

- Do not expose the Device to condensation, high temperature, direct sunlight, stain, dust, and chemically corrosive substances.
- Prepare cross screwdrivers yourself.
- The recommended installation height of the Device should be no more than 2 meters from the ground.

3 Quick Configuration

For first-time login, you can quickly initialize and configure the Device through quick configuration.

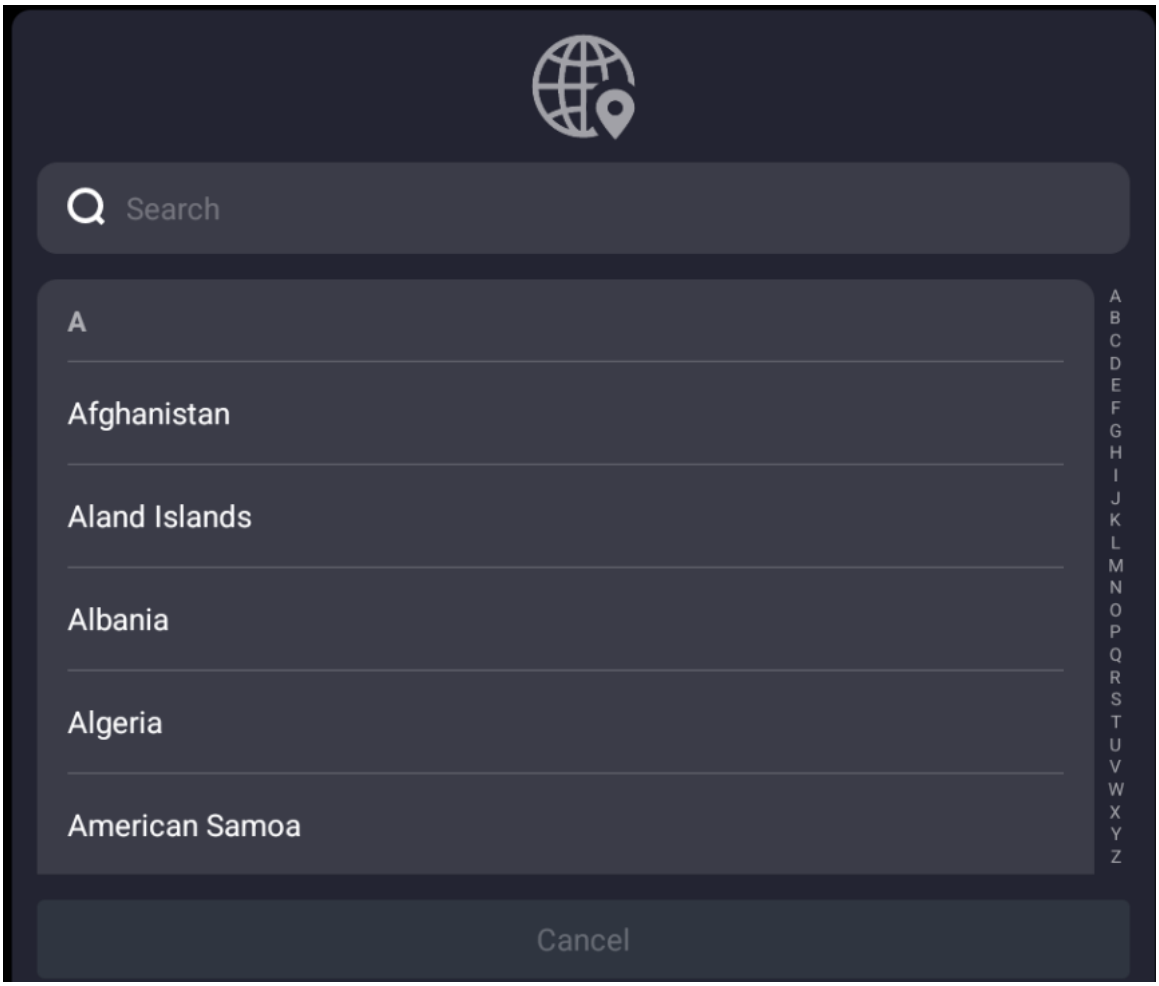
- Quick configuration allows you to configure the parameters of the VTO, VTH and the SIP server at the same time.
- The snapshots here are for reference only.

Procedure

Step 1 Turn on the Device.

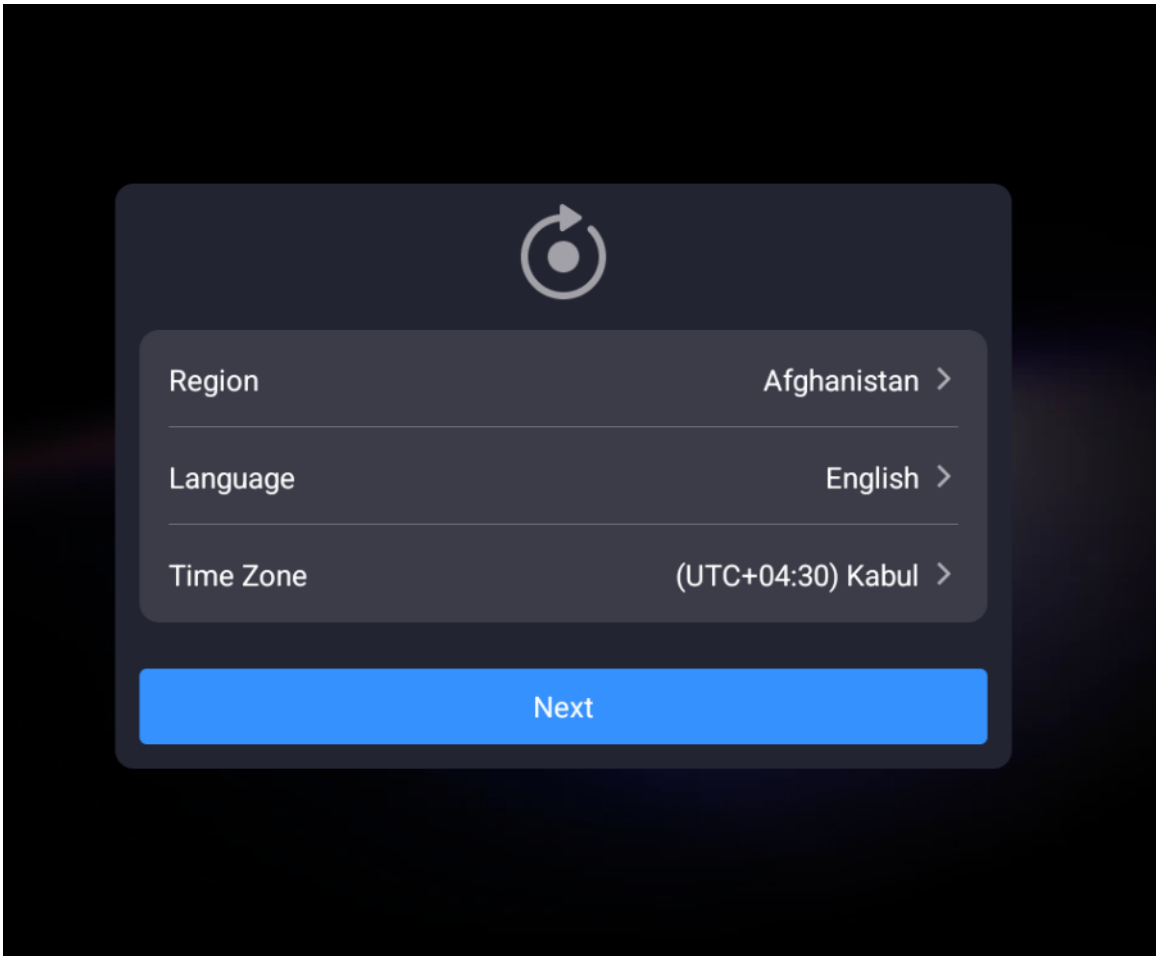
Step 2 Select a region, and then tap **Next**.

Figure 3-1 Region



Step 3 Select the language and time zone, and then tap **Next**.

Figure 3-2 Language and time zone

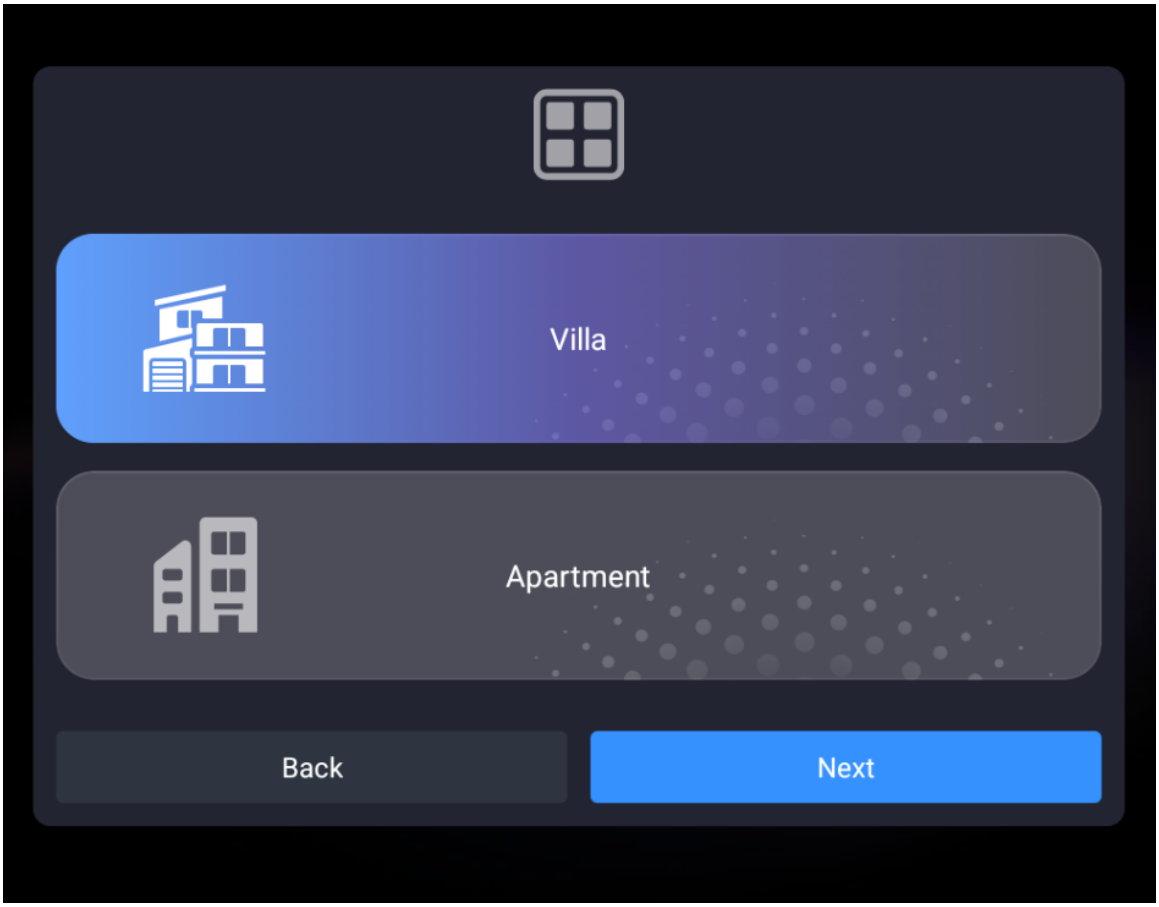


Step 4 Select **Apartment** or **Villa** as the scene, and then tap **Next**.

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

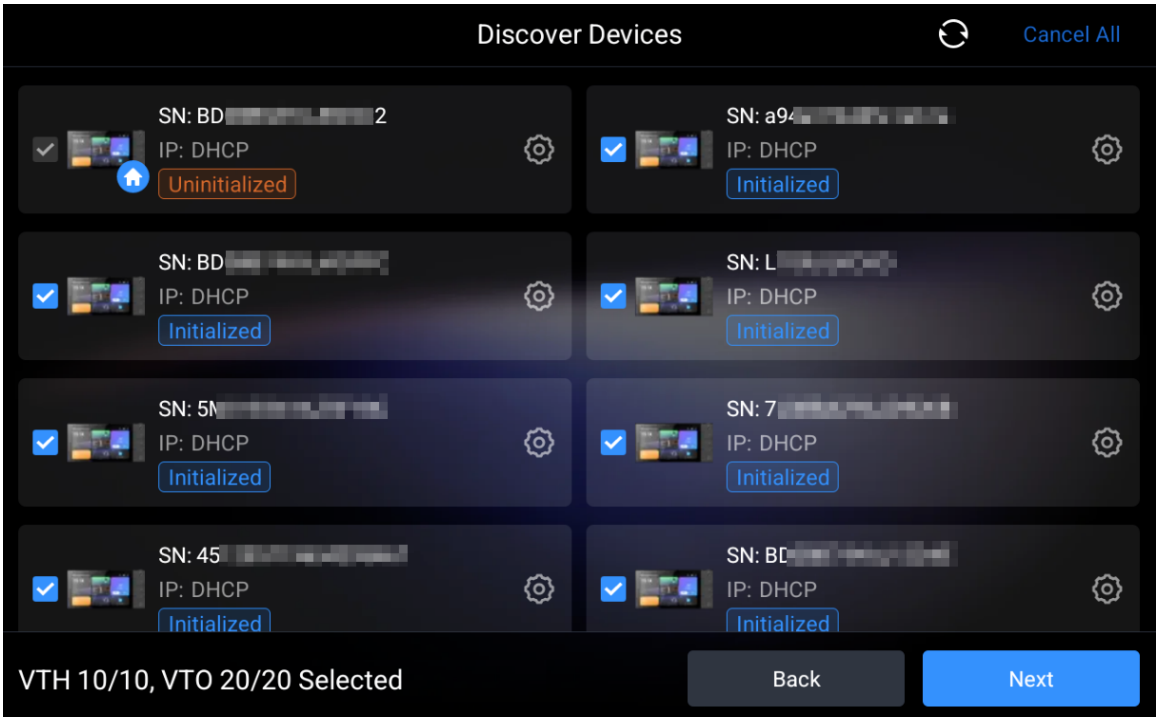
In the villa scene, only single-family mode is available.

Figure 3-3 Scene



Step 5 The device automatically search for the nearby devices for quick configuration. Select the devices, and then tap **Next**.

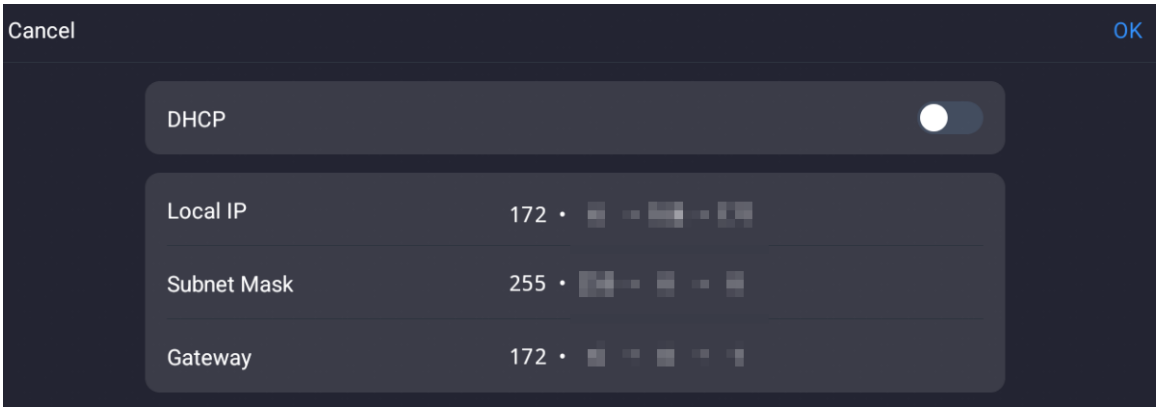
Figure 3-4 Nearby devices



- The smart control panel is selected by default.
- Up to 10 VTHs and up to 20 VTOs can be selected to be initialed.
- Tap corresponding to the device, and then you can configure the network of the device.

  We recommend that all selected devices should either adopt DHCP method or manual setting method. Do not mix the two methods at the same time.

Figure 3-5 Configure the network

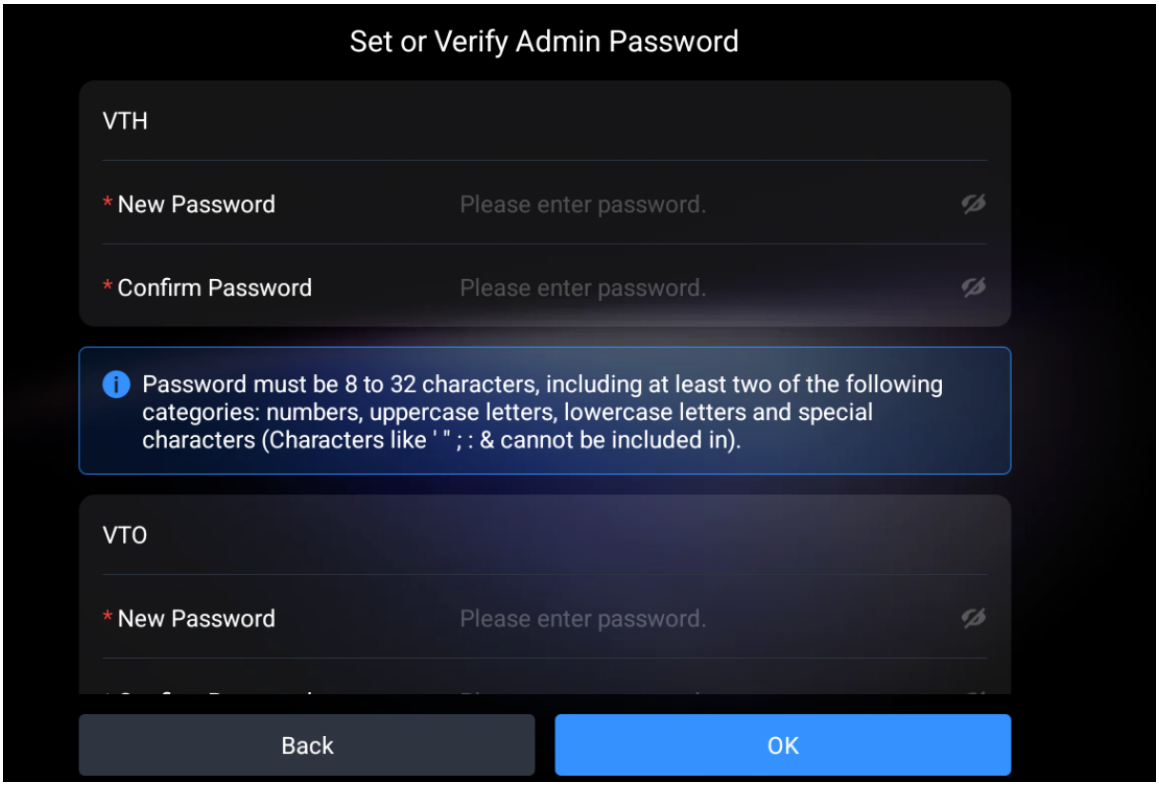


Step 6 Set the password for the Device, and then tap **OK**.

You can enter the email address for resetting the password.

- The password is used to enter advanced setting.
- If you select **Apartment** in Step 2, initialization is completed with this step.
- If you select devices with weak password in Step 5, the password here should configure the VTH and VTO respectively. All VTHs should be configured with weak password, while all VTOs with strong password.

Figure 3-6 Password setting



Step 7 After the initialization is completed, tap **Explore** to start the device.

If there is device failed to initialized, tap **View Failure Details** and **Retry** to solve the issue

Figure 3-7 Failed

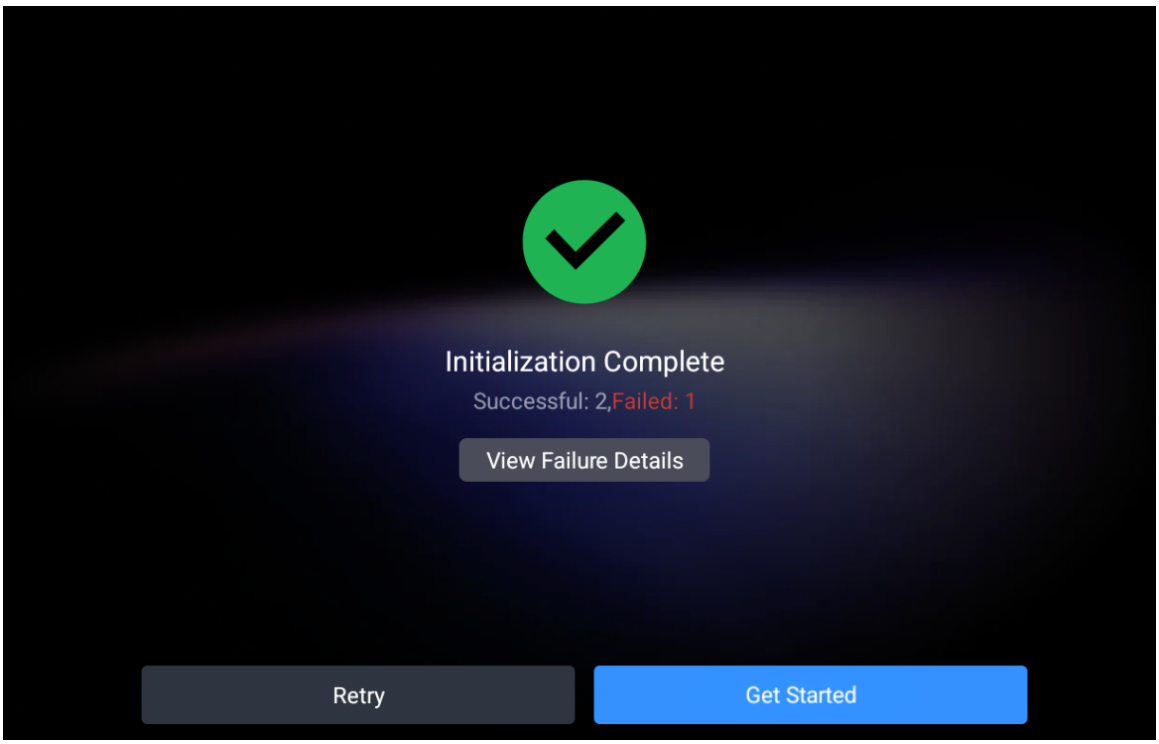
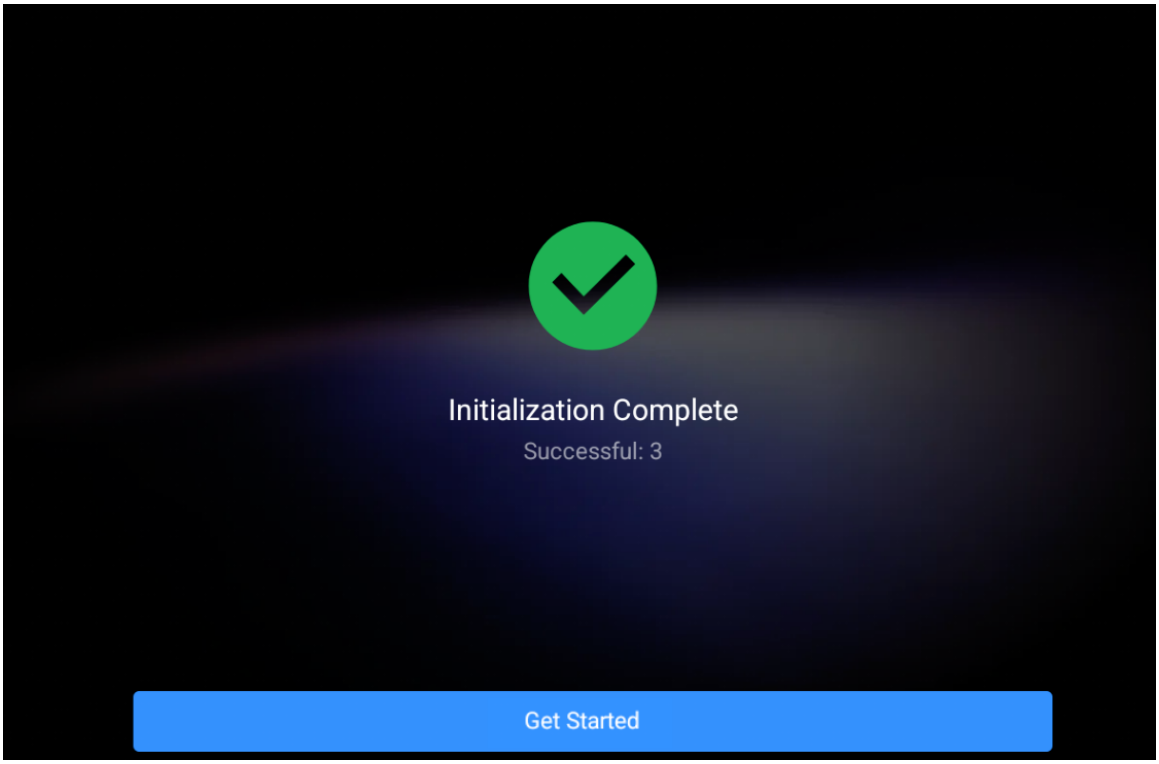


Figure 3-8 Successfully



4 Local Operations

4.1 Home Screen

- Long tap the widgets on the screen, and then you can drag the widgets to the top to remove them, or you can change their positions.

Figure 4-1 Home screen



Table 4-1 Home screen description

No.	Name/Icon	Description
1	DND	If the function is enabled, you will not receive any calls or messages during the DND period. For details, see "4.2.5 General".
2	Time, temperature and humidity	Displays the time, temperature, and humidity. ◇ Temperature and humidity are shown after it is enabled in > **General** > **Temperature and Humidity**. ◇ The date format can be customized in > **General** > **Data Format**.
3	Room number	The room umber of the room where the Device is located.
4	Door station	The door station connected to the Device.
5	/	Displays the cloud service status.

No.	Name/Icon	Description
		It means the Device has connected to Bluetooth.
		Displays the status of SD card, which is equipped by yourself. ◇ : The SD card is normal. ◇ : The SD card is being read. ◇ : The SD card is abnormal, try to format it or replace it with a new one.
		Unsuccessfully or successfully connects to the SIP server.
		◇ : Connects to the network through a cable. ◇ : Disconnects to the network through a cable. ◇ : Connects to the network through Wi-Fi.
		The DND has been enabled.
		Displays the status of the door detector.
		Displays the status of the DMSS.
6		Tap it to turn the screen off.
		Tap it to make a call. For details, see "4.6 Calling". If there is any missed calls, the number of the missed calls will be shown on the icon.
		Tap it to view all information, including alarm records, published information, video records, and snapshot. For details, see "4.7 Viewing Records". If there is any unread information, the number of the unread information will be shown on the icon.
		Tap it to configure the user settings. For details, see "4.2 User Settings".
7	Home arming	Configure the arming system. For details, see "4.5 Alarm System".
8	IP camera	The IP camera connected to the Device. For details, see "4.8 Adding IPCs or NVRs".
9		Tap it to go to the default browser.
		Configure the alarm time, clock, timer, and stopwatch.
		Configure the system settings. For details, see "4.4 System Settings".

No.	Name/Icon	Description
		Tap it to make a recording.
		Tap it to launch the DMSS. For details, see the DMSS user manual.
		Open the documents management center.
10	Call app	Tap it to call DMSS.

- Long-tap the application on the home screen, you can move its place and organize the applications into a desktop folder, allowing you to edit folders by yourselves, categorize and place installed applications.
- Swipe down the screen from top to bottom, you can configure some settings quickly.

Figure 4-2 Devices (with gravity sensing hardware)

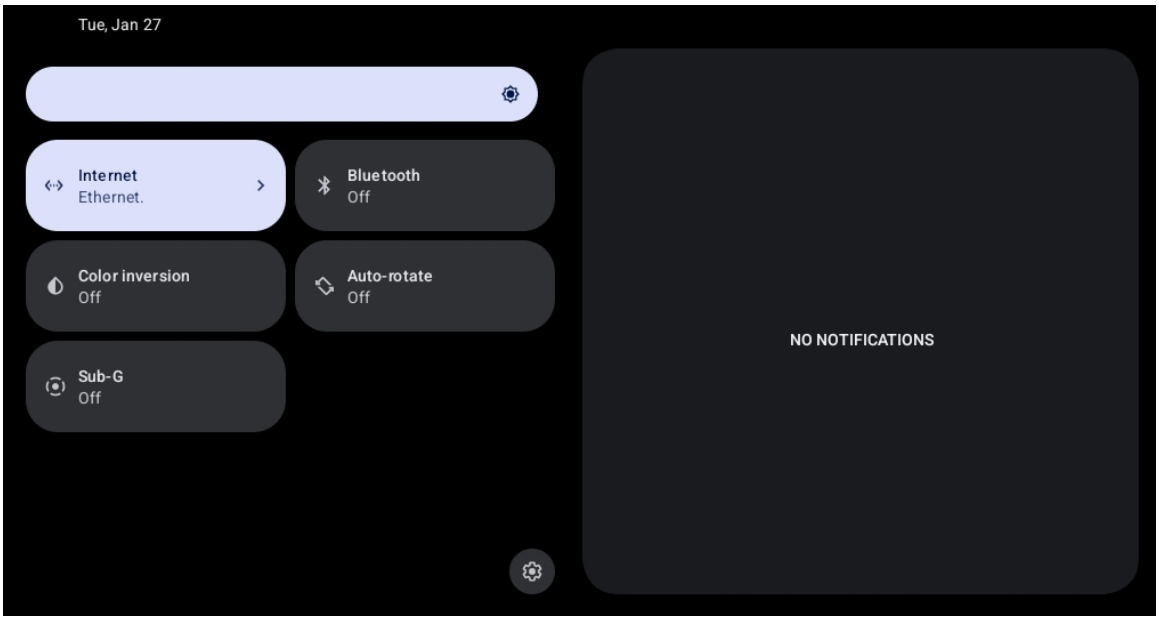


Figure 4-3 Devices (without gravity sensing hardware)

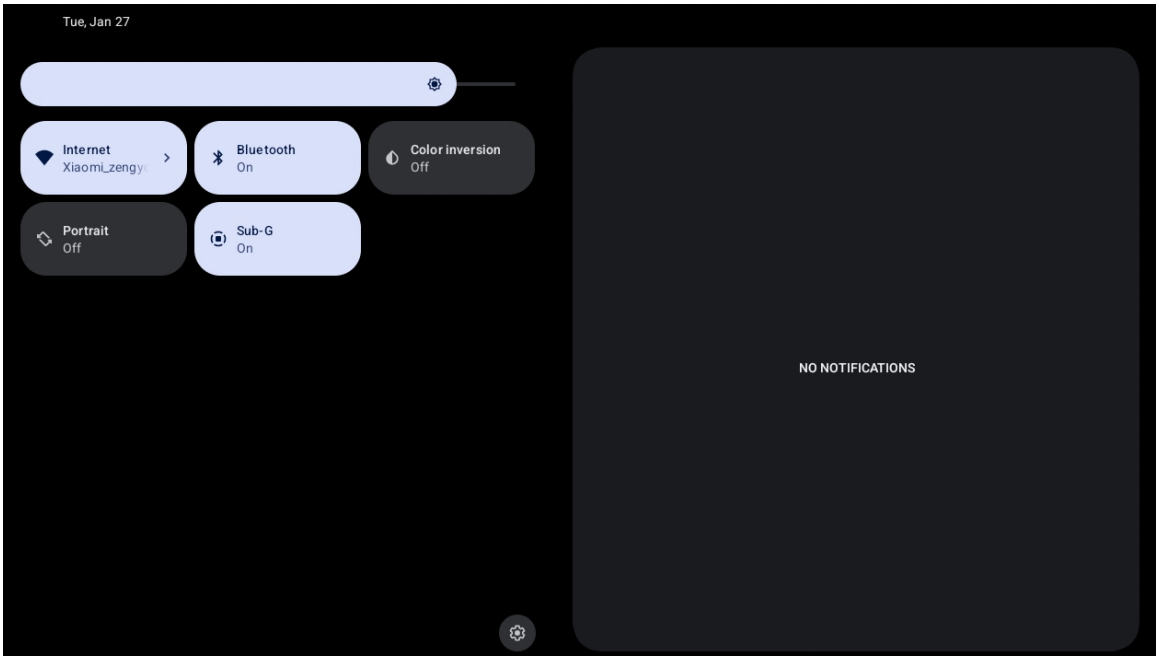


Table 4-2 Configurations description

Parameter	Description
	Slide right or left to configure the display brightness.
Internet	Configure the network.
Bluetooth	Turn on or turn off the Bluetooth.
Color inversion	Tap it to change the theme color, including white and black.
Auto-rotate	For the devices with gravity sensing hardware, after enable this function, the screen can be automatically rotated when you open an application which is applicable the portrait screen.
Portrait	For the devices without gravity sensing hardware, after enable this function, the screen can be rotated forcibly when you open an application which is applicable the portrait screen.
Sub-G	Tap it to enable the sub-G function.
Notification areas	You can view the information on the notification areas.
	Tap it, you can configure the basic settings. For details, see "4.4 System Settings".

- Slide the screen right to see the second page.
- Long tap the blank zone of the screen, tap **+ Widgets**, and then you can add other widgets. Touch and hold the widgets to move the widgets to the home screen.

Figure 4-4 Add widgets

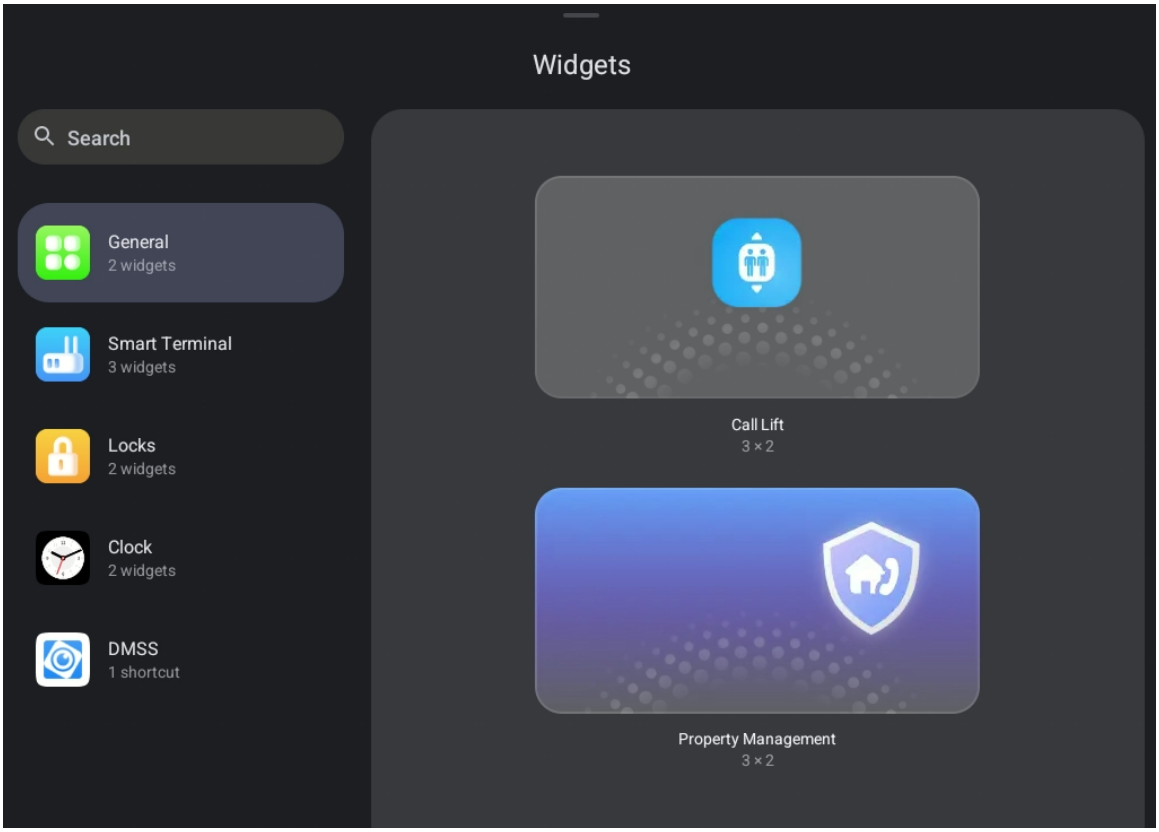
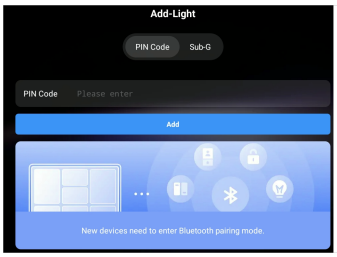
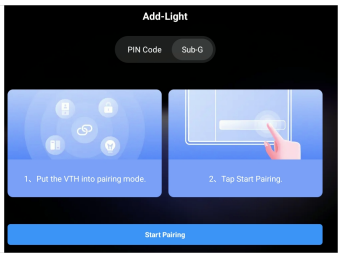
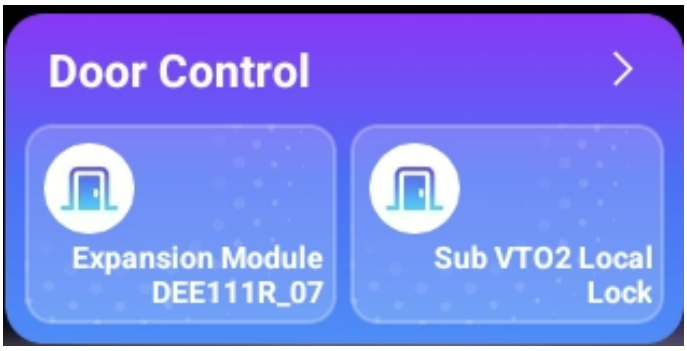
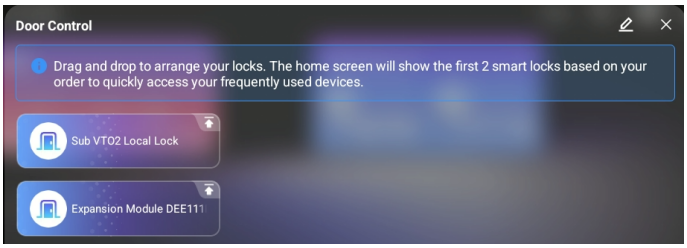


Table 4-3 Widgets description

Parameter	Description
General	Call Lift: Add it to the home screen, and then tap it to call the lift. For details about configuration, see "4.2.5 General".
	Property Management: Add it to the home screen, and then tap it to call the property management.

Parameter	Description
Smart Terminal	Add smart terminals to the home screen, including light, socket, and switch. Here uses configuring light as an example. Make sure the Bluetooth and Wi-Fi function of the smart control panel have been enabled. 1. Drag the **Light** widget to the home screen. 2. Tap **Light** widget to link the device. ◇ Add New Device: You can enter the PIN code of the light or enable the Sub-G function to pair the nearby lights.   ◇ Select Existing Device: Select the existing device, and then tap **Add**.

Parameter	Description
Locks	Add door control widgets, including 3×2 mode and 3×4 mode. 1. Drag the **Door Control** widget to the home screen. 2. Tap **Tap to configure** to configure the lock. 3. Select the lock for main VTO, sub VTO, and expansion modules. 4. Tap **Save**. 5. Tap the enabled locks on the home screen, and then the corresponding doors will be open.  Tap , you can arrange the lock configurations.  The first 2 locks will be labeled with on the right corner.
Clock	Add clock widgets, including analog mode and digital mode.
DMSS	Add the DMSS widgets. For details, see the DMSS user manual.

4.2 User Settings

4.2.1 Call

Configure the calling settings such as volume, ring tone, and call forwarding.

Procedure

Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **Call** to configure the calling settings.

Figure 4-5 Call settings (1)

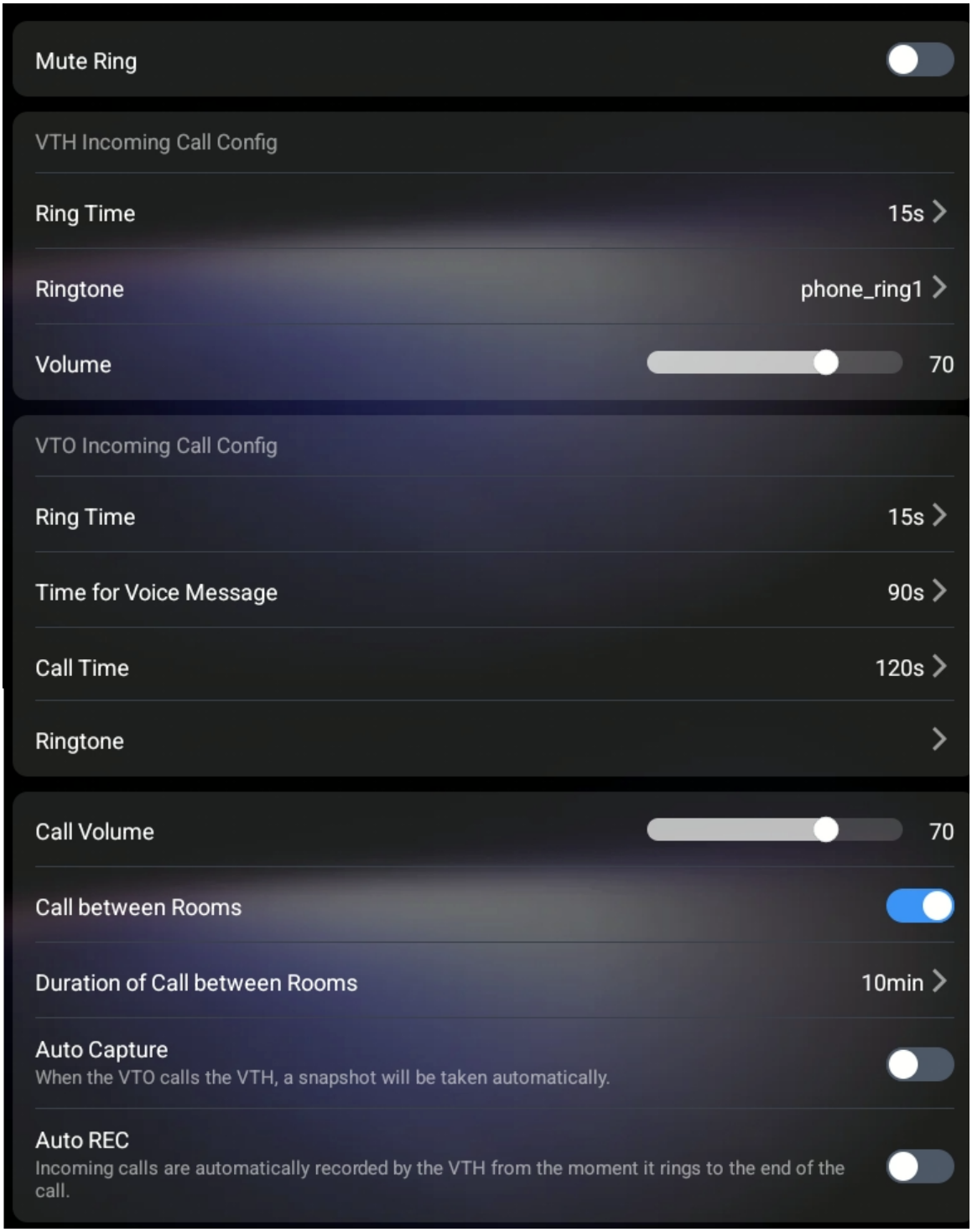


Figure 4-6 Call settings (2)

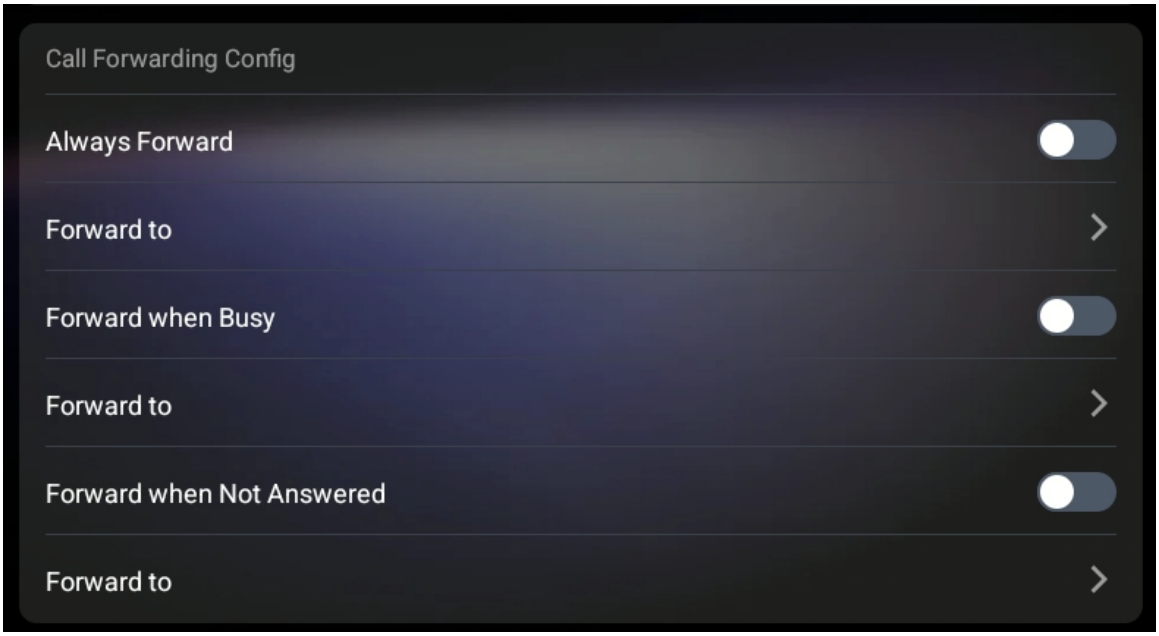


Table 4-4 Description of the calling settings

Parameter		Description
Mute Ring		After it is enabled, the ring will be in mute.
VTH Incoming Call Config	Ring Time	Configure the ring time of the calling from VTH, which is 15 seconds by default.
	Ringtone	You can select the two built-in ring tones. When the ringtone files are imported, tap **Custom** to customize the ring tones, which you downloaded from third-party apps to the local device, or stored on external SD cards or TYPE C ports.
	Volume	Configure the volume for the calling from VTH.
VTO Incoming Call Config	Ring Time	Configure the ring time for the calling from VTO, which is 15 seconds by default.
	Time for Voice Message	Configure the time for voice message of the calling from VTO, which is 90 seconds by default.
	Call Time	Configure the call time of the calling from VTO, which is 120 seconds by default.
	Ringtone	You can select the two built-in ring tones. When the ringtone files are imported, tap **Custom** to customize the ring tones, which you downloaded from third-party apps to the local device, or stored on external SD cards or TYPE C ports.
Call Volume		Configure the intercom volume of the Device.
Call between Rooms		If it is enabled, the calls between VTHs can be allowed.

Parameter		Description
Duration of Call between Rooms		Configure the call time between the VTHs, which is 10 minutes by default.
Auto Capture		After it is enabled, when the VTO calls the VTH, a snapshot will be taken automatically. This function is only available on select models.
Auto Delete Snapshots after Call Answered		After **Auto Capture** is enabled, you can configure this function, when you answer the call, the system will automatically delete the previously captured snapshots. This function is only available on select models.
Auto REC		Incoming calls are automatically recorded by the VTH from the moment it rings to the end of the call.
Camera		Turn on or turn off the camera function. This function is only available on select models.
Video Intercom with VTH		After it is enabled, when a visitor rings the doorbell, the Device automatically displays real-time images so that you can confirm the visitor's identity and unlock the door remotely. This function is only available on select models.
Call Forwarding Config	Always Forward	If it is enabled, the calls will always forward to others.
	Forward to	Tap **Forward to** to configure the number to which the calls forward.
	Forward when Busy	If it is enabled, the calls will forward to others when this Device is in busy.
	Forward to	Tap **Forward to** to configure the number to which the calls forward.
	Forward when Not Answered	If it is enabled, the calls will forward to others when this Device does not answer.
	Forward to	Tap **Forward to** to configure the number to which the calls forward.

4.2.2 Alarm

Prerequisites

The arming function should have been configured. For details, see "4.5 Alarm System".

Procedure

Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **Alarm** to configure the alarm settings.

Figure 4-7 Set alarm (local alarm)

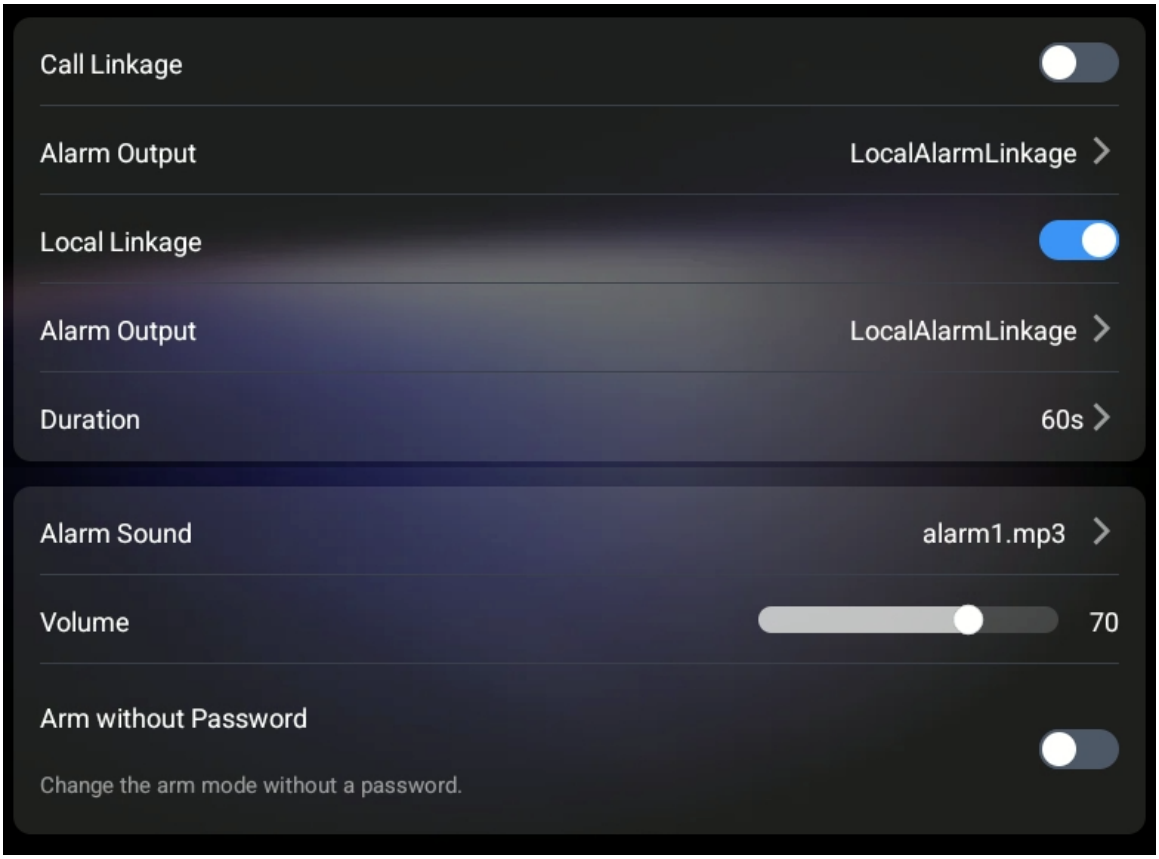


Figure 4-8 Set alarm (airshield alarm)

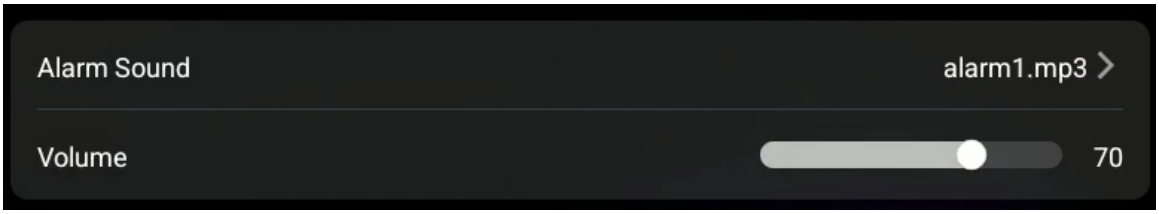


Table 4-5 Description of setting alarm

Parameter	Description
Call linkage	If enabled, there will be alarm output when you call.
Alarm output	
Local linkage	If enabled, there will be alarm output of the local alarm device that links with the VTH.
Alarm output	

Parameter	Description
Duration	Configure the alarm duration from 5 to 120 seconds. It is only available for local alarm outputs.
Alarm Sound	Tap it to select the alarm sound.
Volume	Move the slider to adjust the volume of the alarm sound.
Arm without Password	After it is enabled, the password verification is not required to switch the armed mode.

4.2.3 User Management

This function is only available when you select **Villa** as the device scene during the initialization and available on select models, such as VTO with 4.4 and above versions.

Prerequisites

- Make sure the card permission has been issued by the VTO.
- Make sure the VTO which reads the card has been connected to the Device.

Procedure

Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **User Management**.

Step 3 Tap **+ Add** to add users.

Figure 4-9 Add users

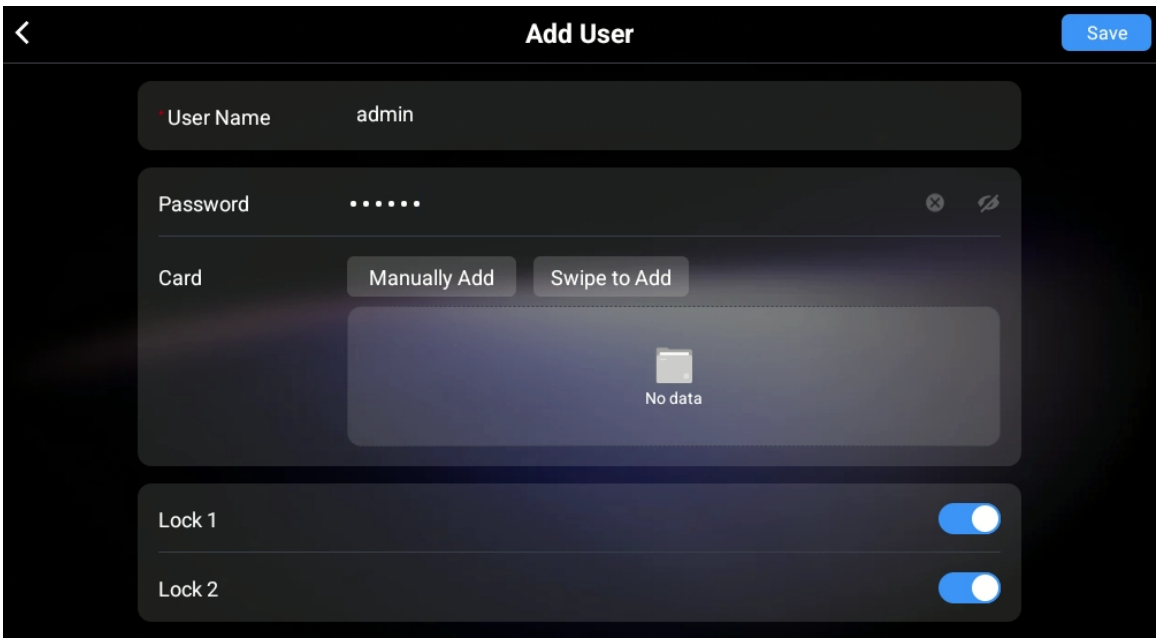
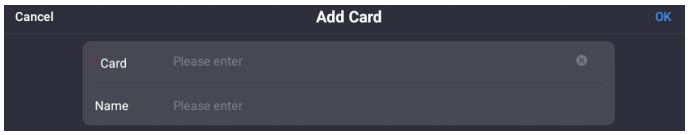


Table 4-6 User parameters description

Parameter	Description
User Name	Customize the user name.

Parameter	Description
Password	Enter the user password.
Card	You can manually add cards or swipe the card on the external card reader. Up to 100 users are supported to be added, with 5 cards for each user at most. • Manually Add: Tap **Manually Add** , enter the card ID and the name, and then tap **OK**.  • Swipe to Add: Tap **Swipe to Add**, and then swipe the card on the corresponding VTO to read the card. After the card is read on the VTO, the card informational can be synchronized to the Device.
Lock 1	After it is enabled, the door of the VTO can be remotely controlled by swiping cards.
Lock 2	After it is enabled, the external lock connected to the Device through RS-485 can be remotely controlled by swiping cards.

4.2.4 Card Management

This function is only available when you select **Villa** as the device scene during the initialization and available on select models, such as VTO with 4.3 version.

Prerequisites

- Make sure the card permission has been issued by the VTO.
- Make sure the VTO which reads the card has been connected to the Device.

Procedure

Step 1 Tap on upper-right corner of the home screen.

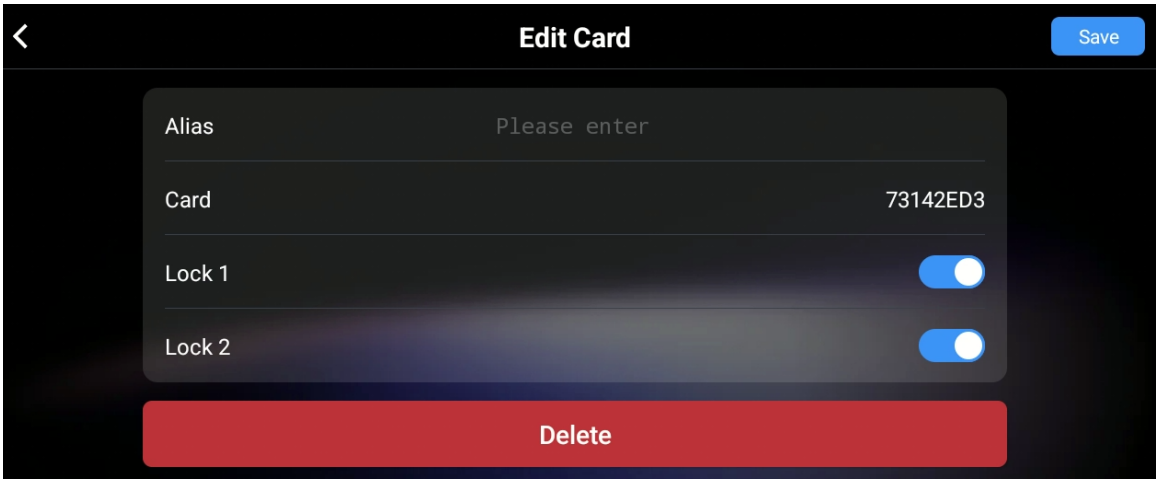
Step 2 Tap **Card**.

Step 3 Tap **+ Add Card**, and then swipe the card on the VTO which reads the card.

- Up to 100 cards are allowed to be added. When this limit is reached, newly added cards will automatically overwrite the former existing ones.
- After the card is read on the VTO, the card informational can be synchronized to the Device.

Step 4 Tap the card to edit on the Device, and then tap **Save**.

Figure 4-10 Edit card



- Alias: Enter the alias of the card.
- Card: Displays the card number.
- Lock 1: After it is enabled, the door of the VTO can be remotely controlled by swiping cards.
- Lock 2: After it is enabled, the external lock connected to the Device through RS-485 can be remotely controlled by swiping cards.

Results

You can swipe the card on the VTO to unlock the door.

4.2.5 General

Procedure

Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **General** to configure the general settings.

Figure 4-11 General settings (1)

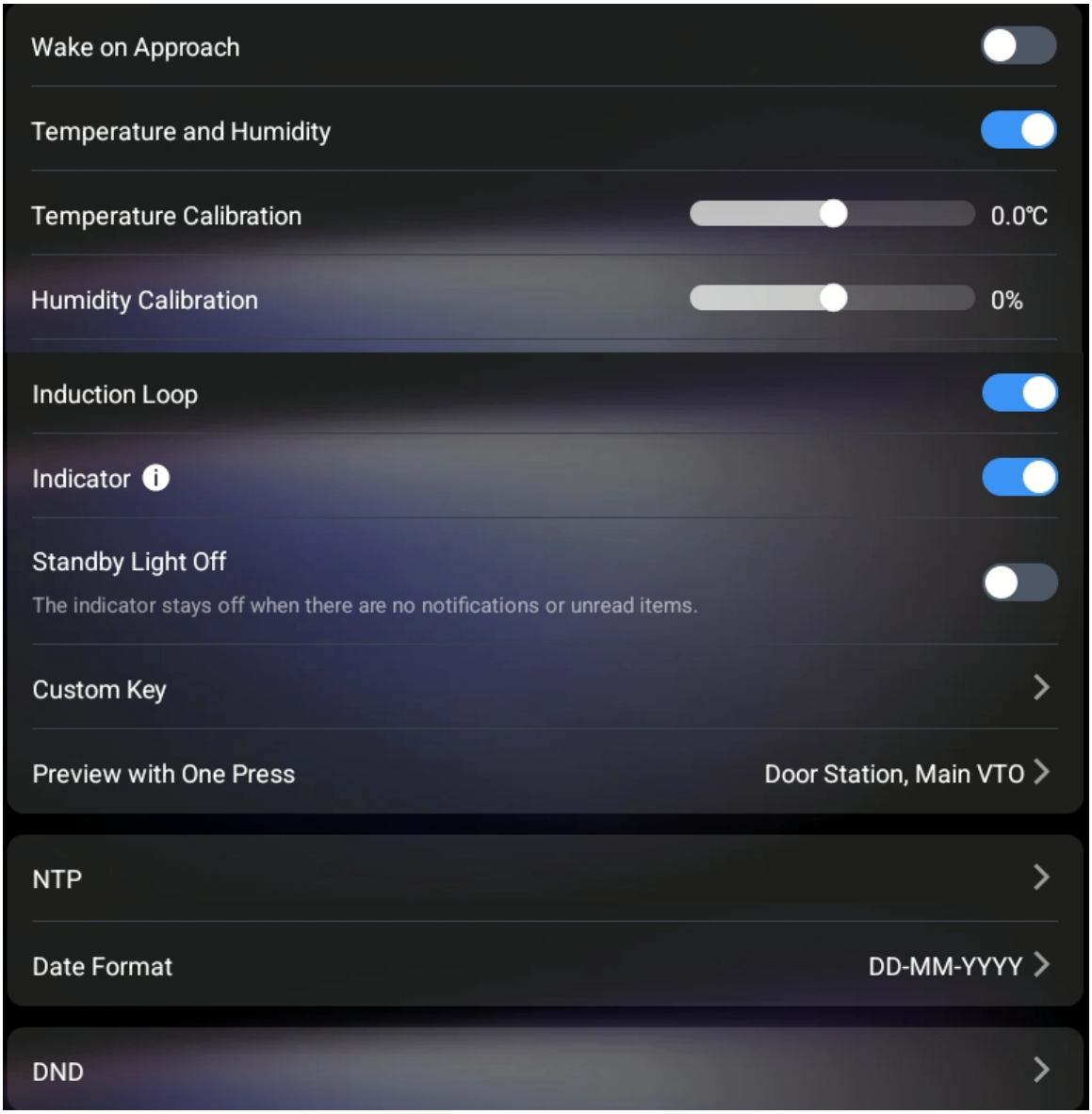


Figure 4-12 General settings (2)

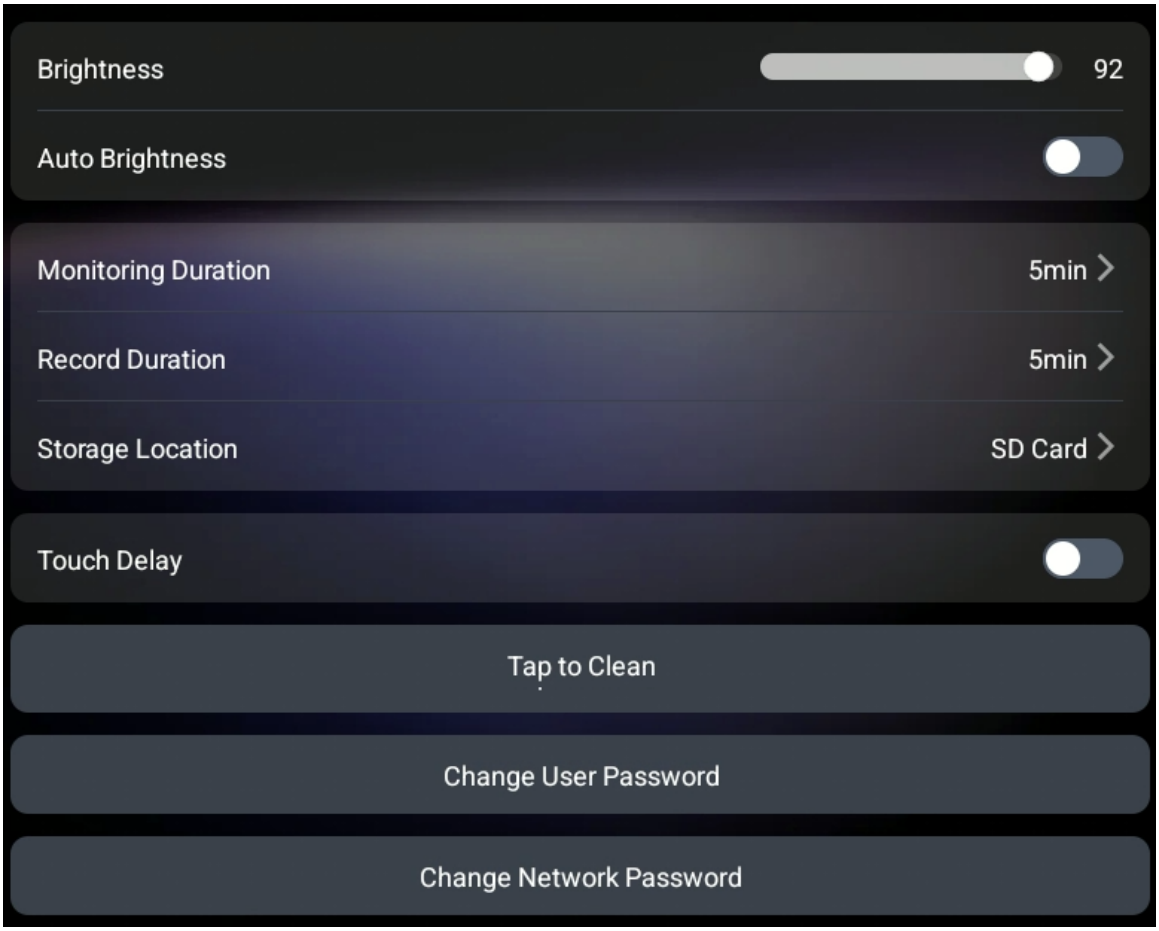
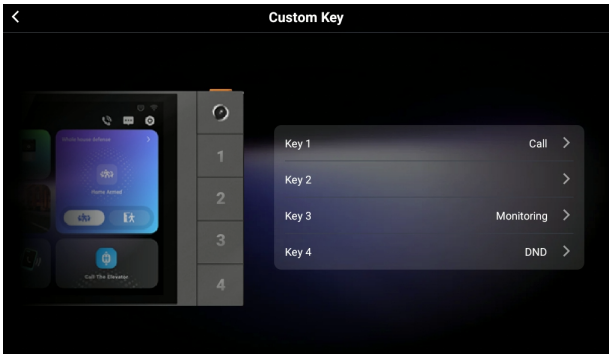
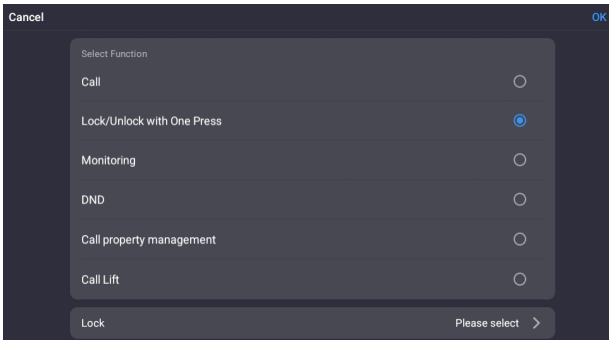


Table 4-7 Description of the general settings

Parameter	Description
Wake on Approach	After it is enabled, when the user approaches the Device, the Device automatically wakes up.
Temperature and Humidity	After **Temperature and Humidity** is enabled, calibrate the temperature and humidity, and then the temperature and humidity will be shown on the home screen.
Temperature Calibration	
Humidity Calibration	
Induction Loop	When it is enabled, the induction loop function is available. This function is only available on select models.
Indicator	After it is enabled, the indicator will take effect to show the status or function of Device. Tap to see the inductor status.
Standby light off	When it is enabled, the indicator remains off when there is no event notification or unread messages.

Parameter	Description
Custom Key	Tap it, and then you can custom the function of the keys.  This function is only available on models with keys. Here uses **Lock/Unlock with One Press** configuration as an example. 1. Tap **Key X** . **X** here refers to the key number. 2. Select **Lock/Unlock with One Press** 3. Tap to select the lock. 
Preview with One Press	After it is configured, configure the VTO which you want to preview through one-press on the key. This function is only available on models with keys.
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.
Date Format	Select the date format.

Parameter	Description
DND	Tap it to configure the start and end time, and then select the days that you want to repeat the DND mode. You will not receive any call or message during this period. For details, see Figure 4-13 . You can directly enable DND by tapping it on the home screen. Tap it again to turn it off.
Brightness	Configure the brightness of the device screen.
Auto Brightness	After it is enabled, the screen will be configured the brightness automatically according to the environment.
Monitoring Duration	Configure the maximum time to monitor VTO, IPC and other devices. The monitoring duration can be configured from 1 minute to 480 minutes.
Record Duration	Configure the maximum recording time of videos during call, talk, monitoring and speaking. Make a record manually and the system stops recording at the end of recording time. The record duration can be configured from 1 minute to 5 minutes.
Storage Location	Select the storage path from **Local** or **SD Card** for saving videos and snapshots.
Touch Delay	To avoid accidental calls to the management center, after enabling touch delay, you need to press the **Property Management** on the home screen for a while to call the management center.
Tap to Clean	Tap it, and then the screen will be turned off and locked for 30 seconds. During the period, clean the screen.
Change User Password	Tap them to change the user password or the network password as needed. • User Password: Used to configure the local arm and disarm. • Network Password: Used when adding the VTH to the DMSS app. For details, see Figure 4-14 .
Change Network Password	

Figure 4-13 Configure DND

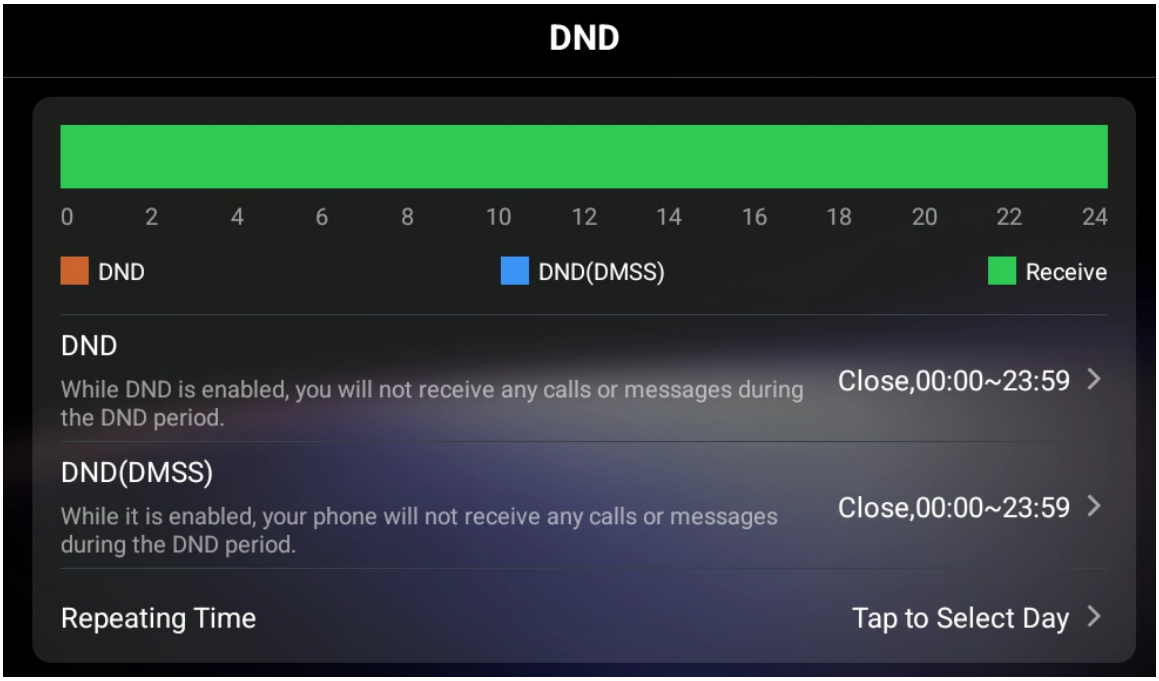


Figure 4-14 Change network password

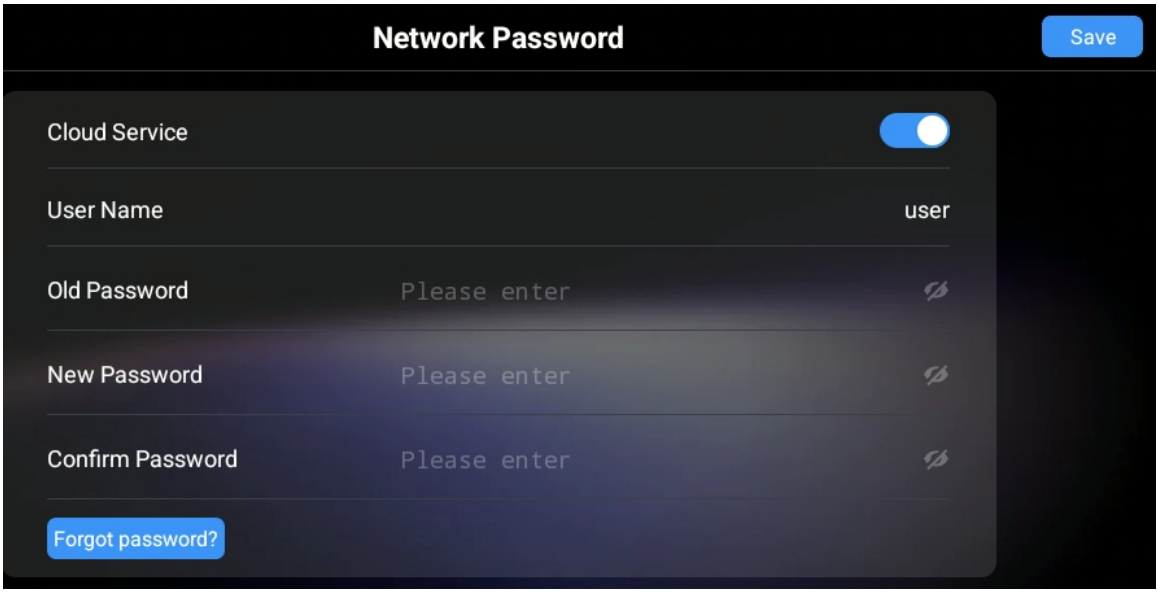


Table 4-8 Description of the network password

Parameter	Description
Cloud Service	Enable the cloud service function, and then the Device can be added to the DMSS app.
User Name	It is **user** by default.
Old Password	The old password is configured when you first configure the app QR code. For details, see "4.2.8.2 App QR Code". The password must consist of 8 to 16 characters.
New Password	
Confirm Password	

4.2.6 WLAN

Background Information

The WLAN function is only available on select models.

Procedure

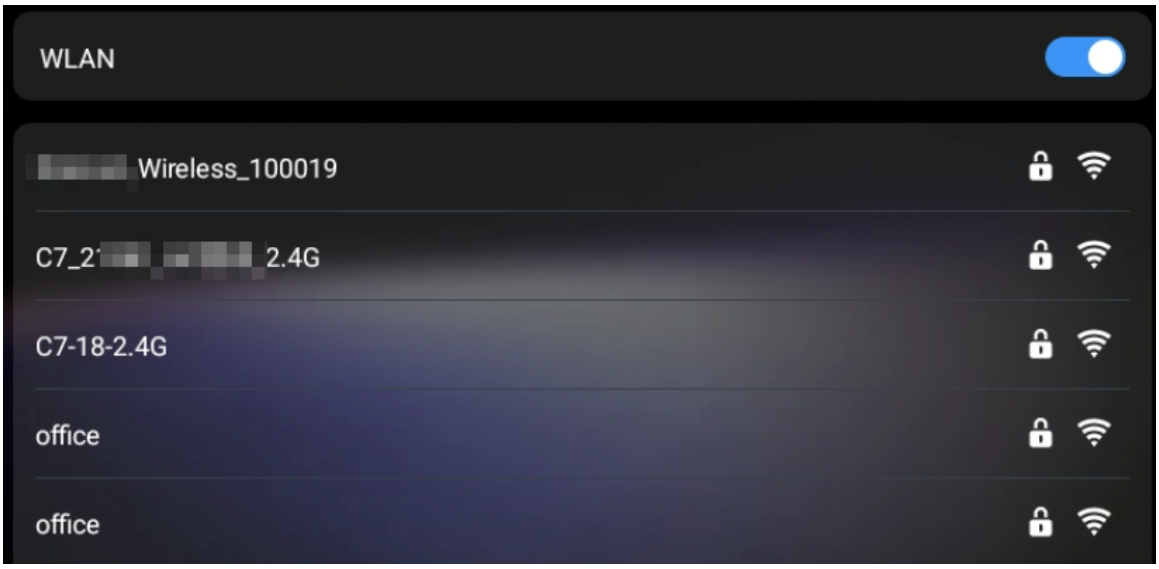
Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **WLAN** to configure the WLAN settings.

Step 3 Tap to enable the function.

Step 4 Tap the WLAN to be added, enter the password, and then tap **OK**.

Figure 4-15 WLAN



Related Operations

Tap to refresh the WLAN list.

4.2.7 Relay Management

Manage the relay module as needed.

Prerequisites

Relay modules should be added. For details, see "4.2.8.1 System Settings".

Procedure

Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **Relay Management**, and then all relay modules will be shown in the list.

Step 3 Tap a relay module, and then edit its configurations.

Figure 4-16 Edit the relay module



Table 4-9 Relay module description

Parameter	Description
Name	Customize the device name.
Device Type	Select the device type, including lock and switch.
Device Icon	Select the device icon.
Status	Configure the device status, including NC and NO.
Keep Door Open for	Configure the duration for keeping the door open. Its unit is second.
Pulse Interval (sec)	Configure the pulse interval for the device. For example, if it is configured as 5 seconds, when you execute 2 consecutive instructions, the device will response the second instruction after 5 seconds.

Step 4 Tap **OK**.

4.2.8 System

4.2.8.1 System Settings

Procedure

Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **System** to configure the system settings and view the Device information.

Figure 4-17 System settings

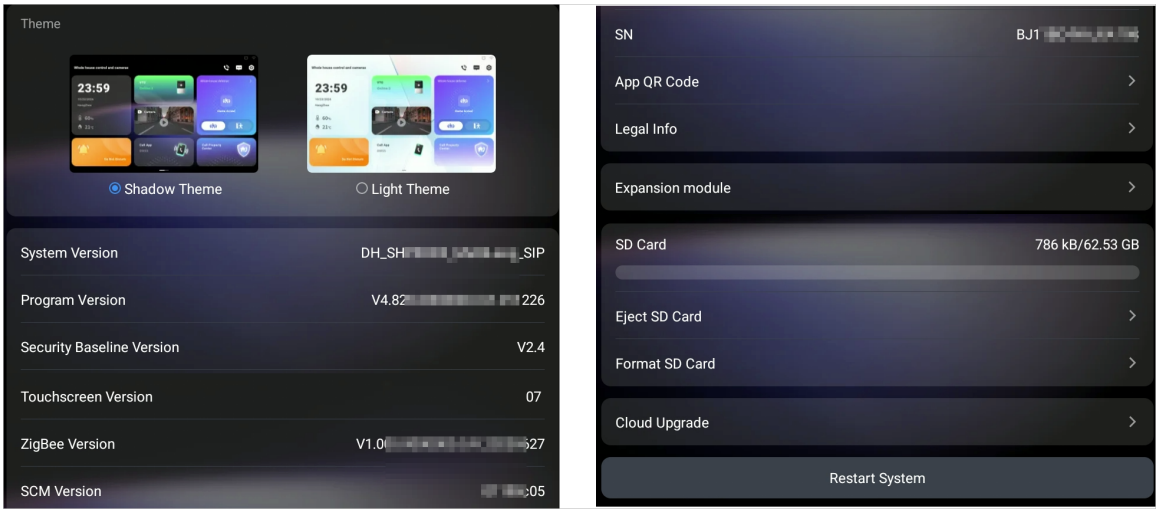


Table 4-10 Description of the system settings

Parameter	Description
Theme	Set the Device theme, which is **Shadow Theme** by default. Select one theme mode, and then the Device will show the home screen in the selected theme mode.
System Version	Displays the related version number.
Program Version	
Security Baseline Version	
Touchscreen Version	
ZigBee Version	
SCM Version	
SN	Displays the SN.
App QR Code	The QR code is used for downloading the DSS app, registering for the DSS app and scanning the DMSS QR code to remotely manage the Device. For details, see "4.2.8.2 App QR Code".
Legal Info	Tap it to view the legal information of the Device.
Expansion module	If an expansion module is connected to the device. Tap **Expansion module** to search the expansion modules. 1. Tap **Manual Add**. 2. Enter the module ID, tap **SEARCH**, and then the module information will be shown. • If you add an I/O module, you can tap each alarm input port to modify its name. • If you add a relay module, you can configure it in **Relay Management**. For details, see "4.2.7 Relay Management". 3. Tap **Save**.
SD Card	Displays the usage of the SD card. If there is no SD card, it displays **SD Card Not Detected**.
Eject SD Card	These functions are available only when the SD card is inserted. • Eject SD Card: Tap it to eject the SD card. • Format SD Card: Tap it to format the SD card. After the SD card is formatted, all data will be deleted and cannot be restored. Please be advised.
Format SD Card	

Parameter	Description
Cloud Upgrade	Tap it to check the version of the cloud service. Tap **Refresh** to recheck the cloud version.
Restart System	Tap it to restart the system.

4.2.8.2 App QR Code

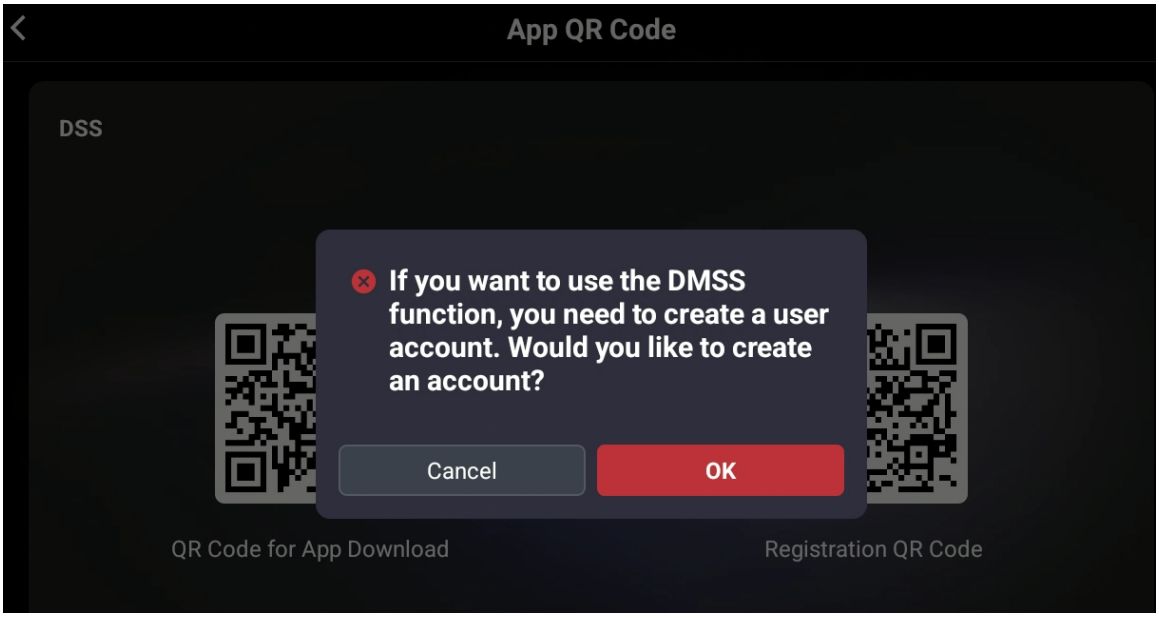
Download the app on your smart phone by scanning the QR code, register the Device on the app, and then you can unlock the door, talk to the Device, and operate more directly on your smart phone.

Procedure

Step 1 Select > **System** > **App QR Code**.

Step 2 (Optional) If you go to the function for the first time, there is an onscreen prompt that reminds you to create a DMSS app account before using the DMSS function.

Figure 4-18 Onscreen prompt



1. Tap **OK**.
2. Configure the network password to create an account.

Figure 4-19 Configure the network password

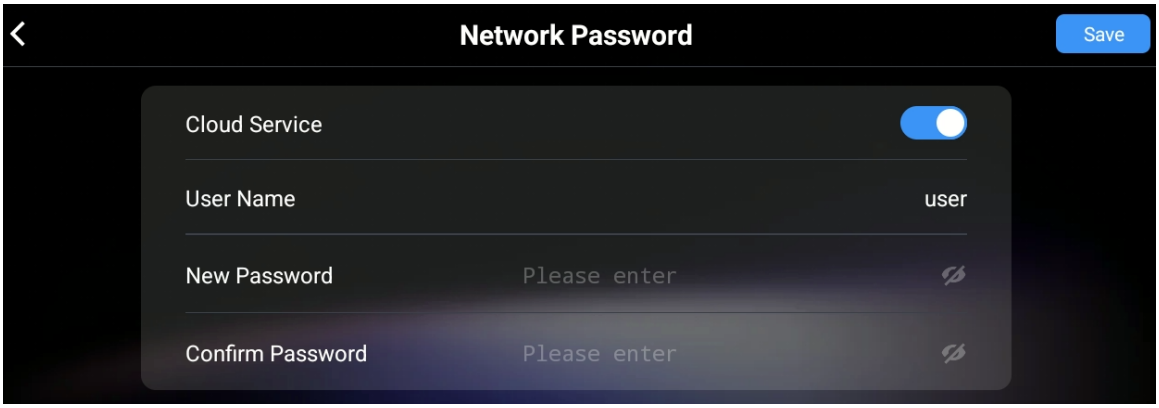


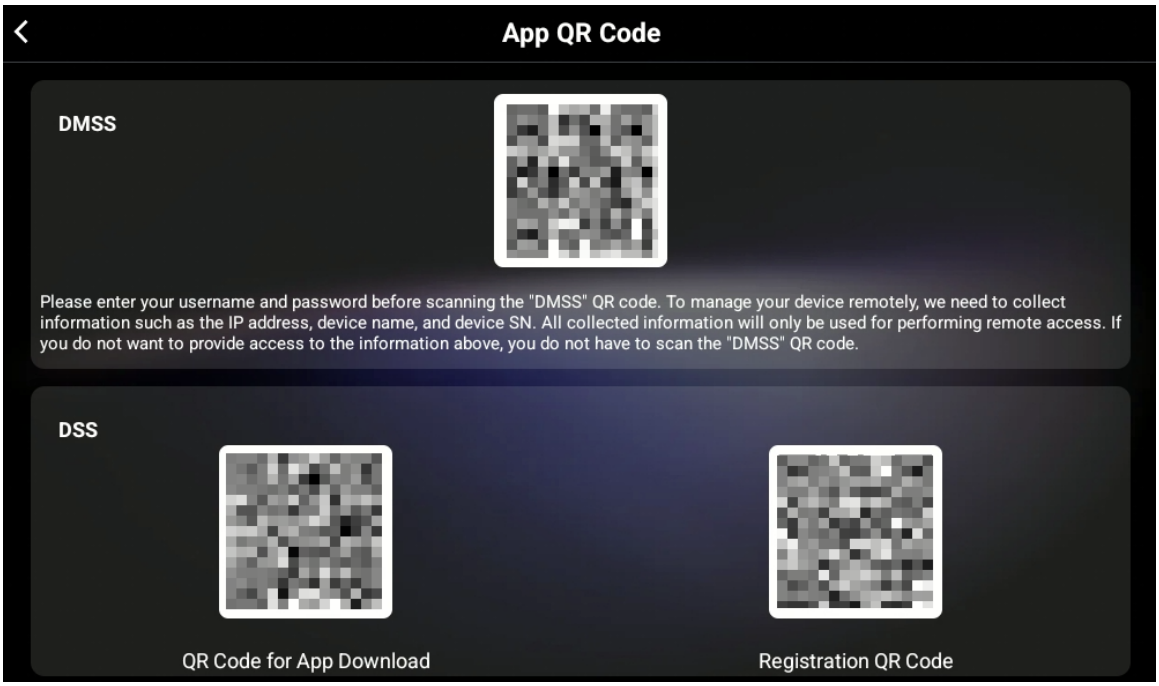
Table 4-11 Description of the network password

Parameter	Description
Cloud service	Enable the cloud service function, and then the Device can be added to the DMSS app.
User name	It is **user** by default.
New password	Enter and confirm the password, which must consist of 8 to 16 characters.
Confirm password	

Step 3 After you create a user account, the QR code of the DMSS and the DSS will be shown up.

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

Figure 4-20 QR code



4.2.9 Product Documentation

Background Information

This function is only available on select models.

Procedure

Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **Product Documentation**, and then scan the QR code to obtain the documentation.

4.3 Advanced Settings

Procedure

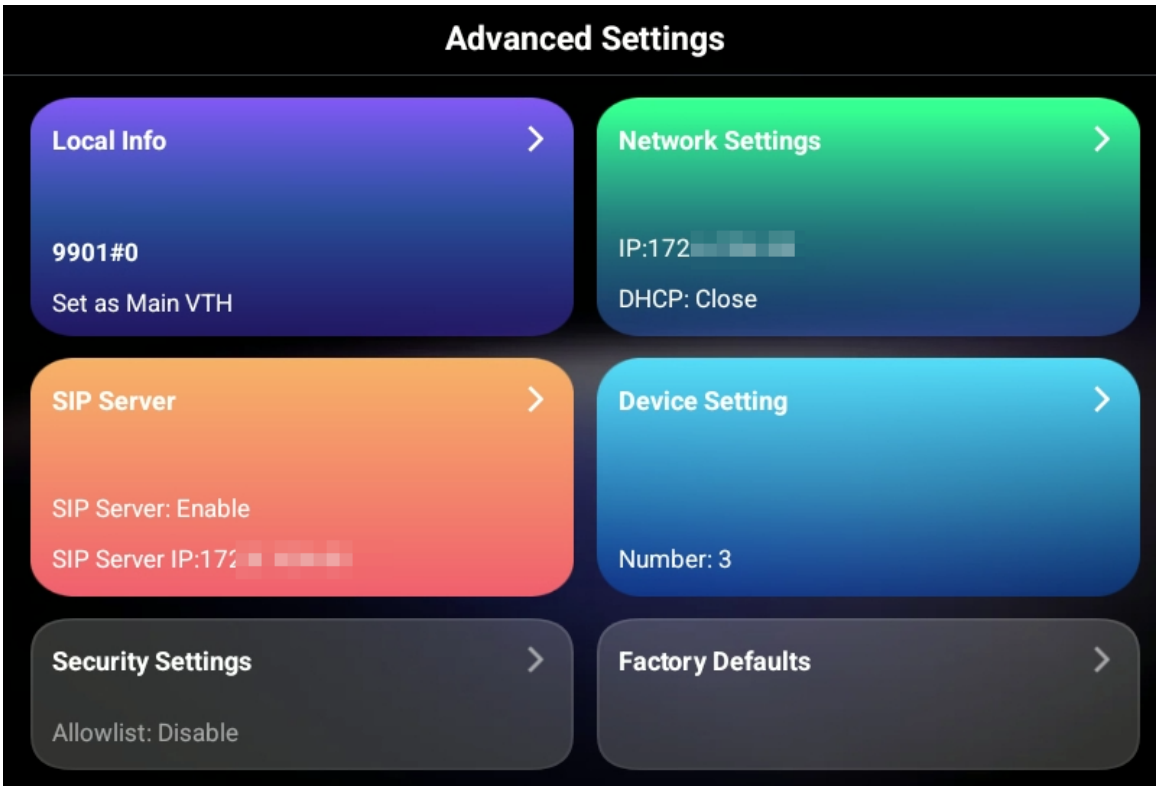
Step 1 Tap on upper-right corner of the home screen.

Step 2 Tap **Advanced Settings** to configure the advanced settings.

Step 3 Enter the password in the pop-up box, and then tap **OK**.

If you forget the password, tap **Forget password?** to reset the password.

Figure 4-21 Advanced settings



4.3.1 Local Information

Procedure

Step 1 Tap **Local Info** to view the Device information.

Step 2 Configure the information as needed.

Figure 4-22 Information

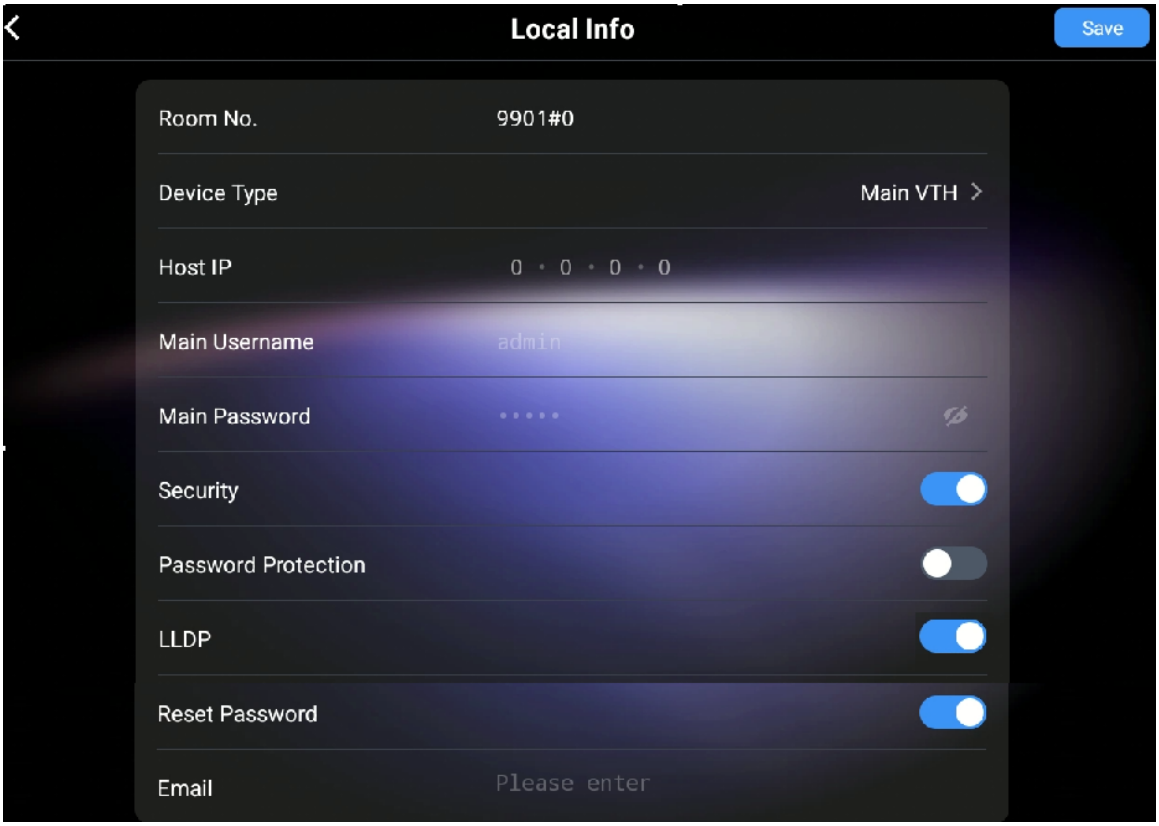


Table 4-12 Description of the device information

Parameter	Description
Room No.	Select the device type from **Set as Main VTH** and **Set as Sub VTH**. ● 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. ● Sub VTH: Enter the room number (such as 101#1). Up to 9 sub VTHs can be added.
Device Type	
Host IP	When the device type is **Sub VTH**, these parameters are required. Enter the IP address, user name (admin by default), and password of the main VTH.
Main Username	
Main Password	

Parameter	Description
Security	Log in to the Device in a secured way. It is enabled by default.
Password Protection	Encrypt the password of SIP server configuration, VTH password, and the password of main VTO and sub VTO. ⚠ It is recommended to turn on password protection. Otherwise, the Device might be exposed to security risks and data leakage.
LLDP	LLDP (Link Layer Discovery Protocol) improves the efficiency of information exchange among network devices. 🕮 We recommend you enable this function.
Reset Password	After enabling **Reset Password** and entering the Email address, if you forget the password, you can reset it through the reserved Email.
Email	

Step 3 Tap **Save**.

4.3.2 Network Settings

Tap **Network Settings** to configure the network parameters, and then tap **Save**.

Figure 4-23 Network

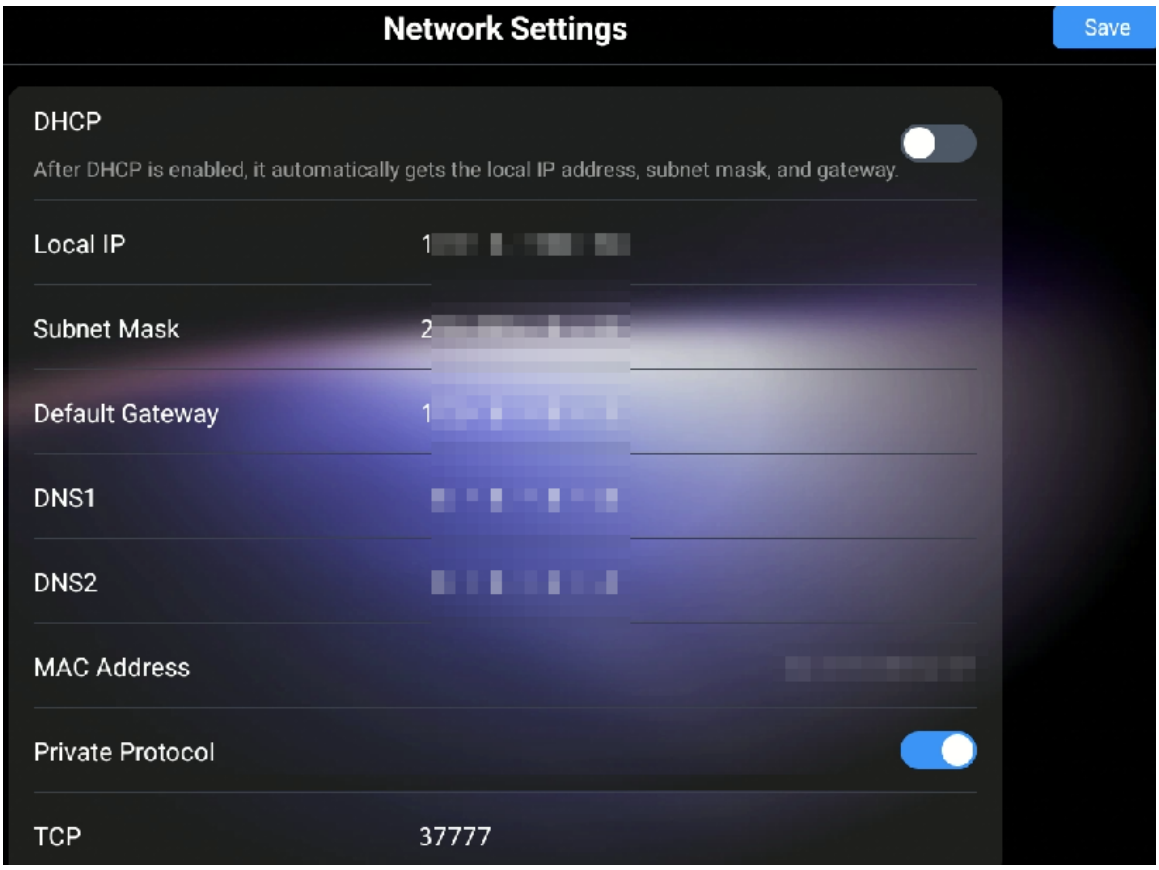


Table 4-13 Description of the Network

Parameter	Description
DHCP	When it is enabled, it automatically gets the local IP address, subset mask, and gateway.
Local IP	When DHCP is disabled, enter the Device IP address, subnet mask and default gateway as needed.
Subnet Mask	
Default Gateway	
DNS1	Enter the DNS1 and DNS2 as needed. When DNS1 fails, the Device automatically switches to DNS2 for parsing.
DNS2	
MAC Address	Displays mac address.
Private Protocol	It is enabled by default.
TCP	It is 37777 by default.

4.3.3 SIP Server

Configure the SIP server. VTO, platform, and other third-party servers can work as the SIP server.

Tap **SIP Server** to configure the SIP server parameters, and then tap **Save**.

Figure 4-24 Network

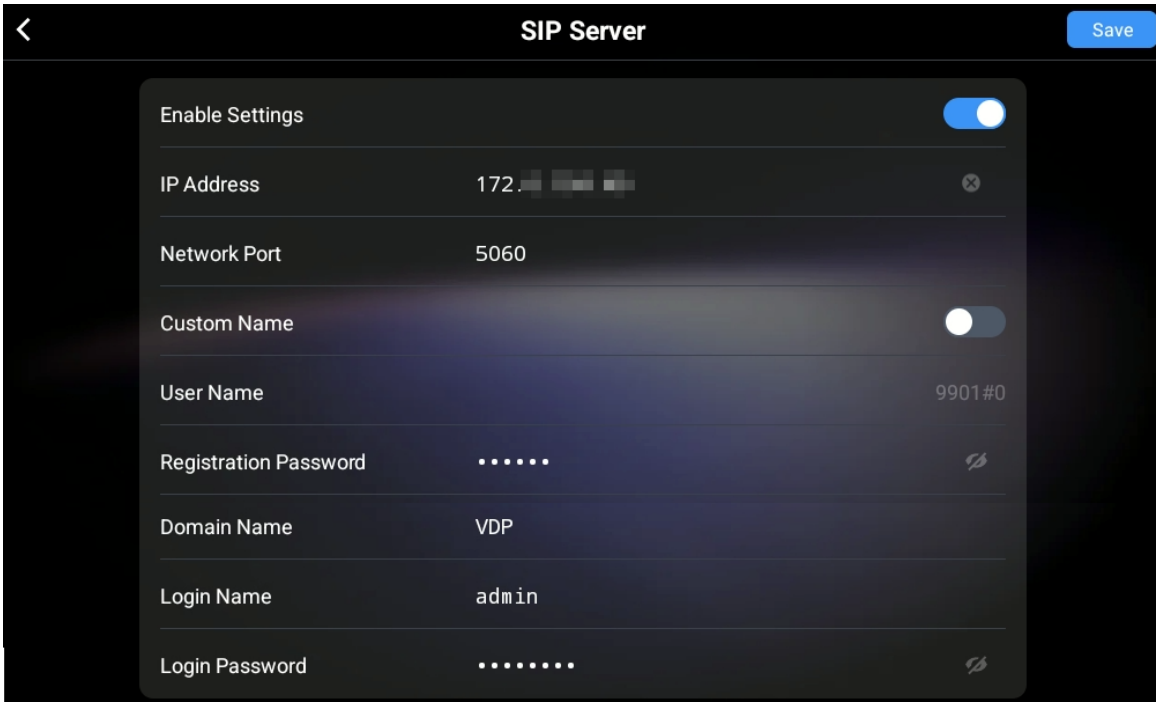


Table 4-14 Description of the Network

Parameter	Description
Enable Settings	Tap to enable the SIP server function.

Parameter	Description
IP Address	Enter the IP address or the domain name of the SIP server.
Network Port	• When a VTO works as the SIP server, it is 5060 by default. • When a platform works as the SIP server, it is 5080 by default.
Custom Name	When the Device docks to a third-party server, enable this function, and then enter the user name of the third-party server.
User Name	
Registration Password	Keep it default.
Domain Name	• When a VTO works as the SIP server, it can be **VDP** or null. • When a platform works as the SIP server, it must be the same as that of the platform.
Login Name	SIP server login user name and password.
Login Password	

4.3.4 Device Setting

4.3.4.1 Adding Devices Manually

Procedure

Step 1 Tap > **Advanced Settings**, enter the password, and then tap **OK**.

Step 2 Tap **Device Setting**.

Step 3 Tap to add a VTO manually

Step 4 Configure the parameters as needed.

Figure 4-25 Configure the parameters

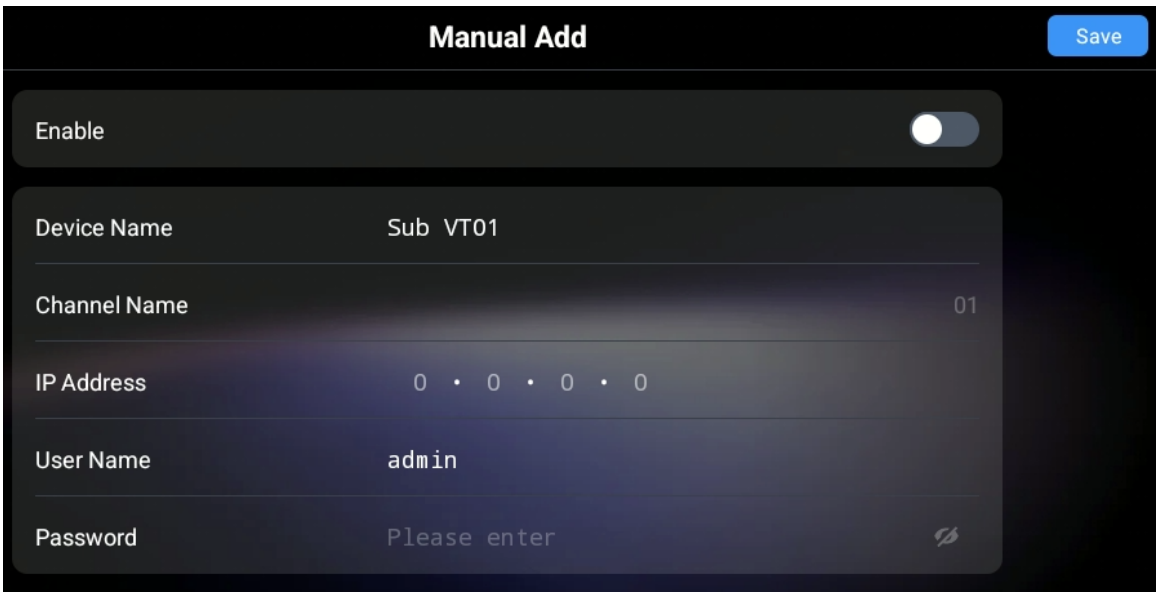


Table 4-15 Description of the parameters

Parameter	Description
Enable	Enable the selected VTO.
Device Name	Enter the device name.
Channel Name	Select the channel name. Leave it by default.
IP Address	Enter the IP address.
User Name	Enter the user name. It is **admin** by default.
Password	Enter the device password.

Step 5 Tap **Save**.

4.3.4.2 Adding Devices by LAN Searching

Prerequisites

Make sure the wanted VTOs are on the same network segment as the Device.

Procedure

Step 1 Select > **Advanced Settings**, enter the password, and then tap **OK**.

Step 2 Tap **Device Setting**.

Step 3 Search for the devices.

- Apartment scene

  1. Tap to search the devices that are on the same network segment as the Device, and then tap **Add** corresponding to the wanted device to add it.
  2. Tap the searched device, and then you can view the detailed information, including IP address, subset mask, default gateway, and MAC address.
  3. Configure the parameters.

Figure 4-26 Configure the parameters

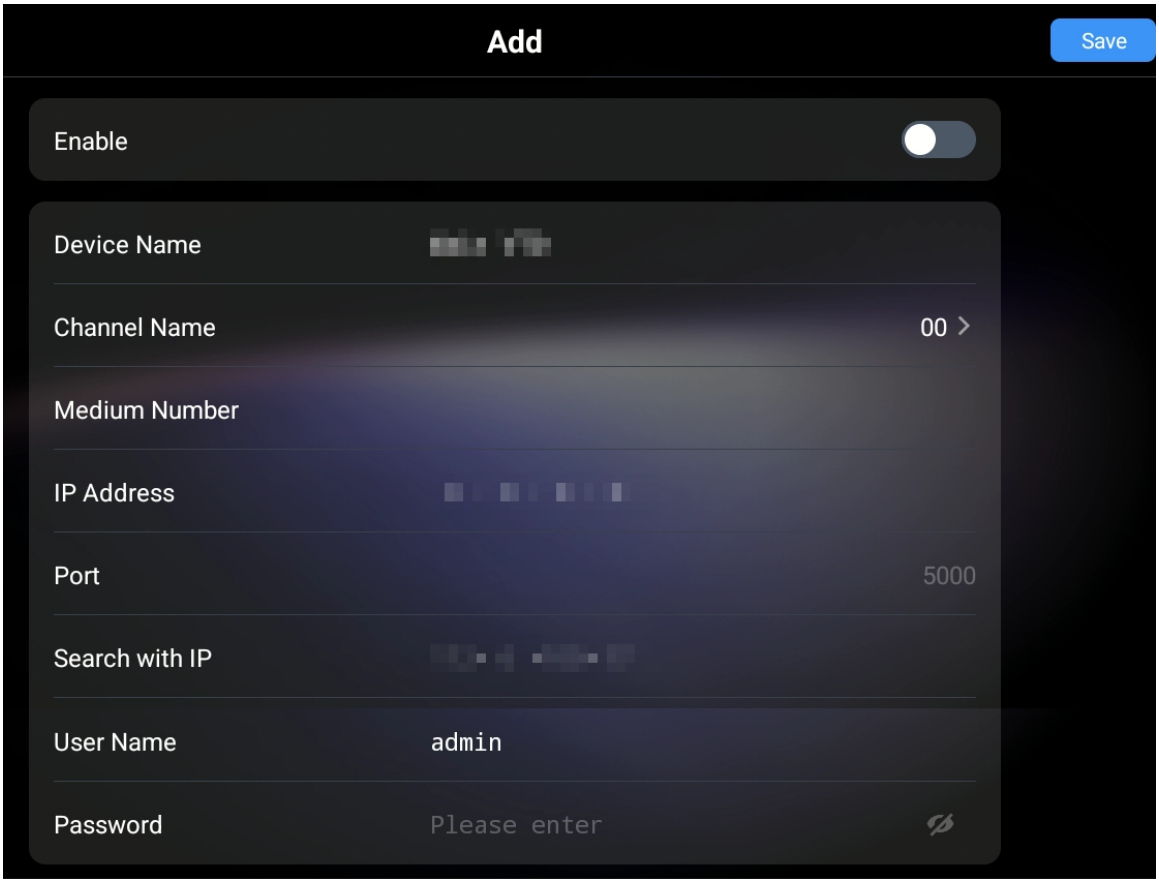


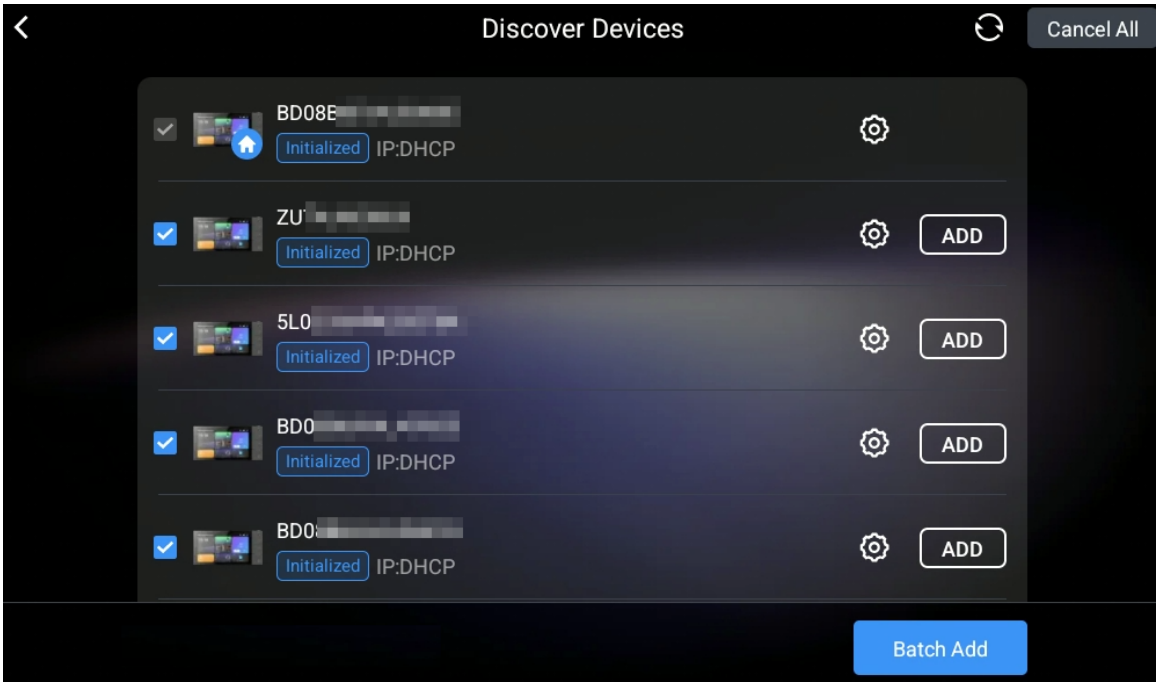
Table 4-16 Description of the parameters

Parameter	Description
Enable	Enable the selected device.
Device Name	Displays the device name.
Channel Name	Select the channel name, being convenient for management and operation.
Medium Number	Enter the medium number of the device. When multiple devices are added, the system distinguishes different devices through medium number to ensure that the Device can accurately identify and control the designated device.
IP Address	Displays the IP address.
Port	It is **5000** by default.
Search with IP	The Device automatically scans and identifies the device that supports the IP protocol, without the need to manually enter the IP address.
User Name	Enter the user name. It is **admin** by default.
Password	Enter the device password.

- Villa scene: The configuration is the similar to the process of initialization. For details, see "3 Quick Configuration".

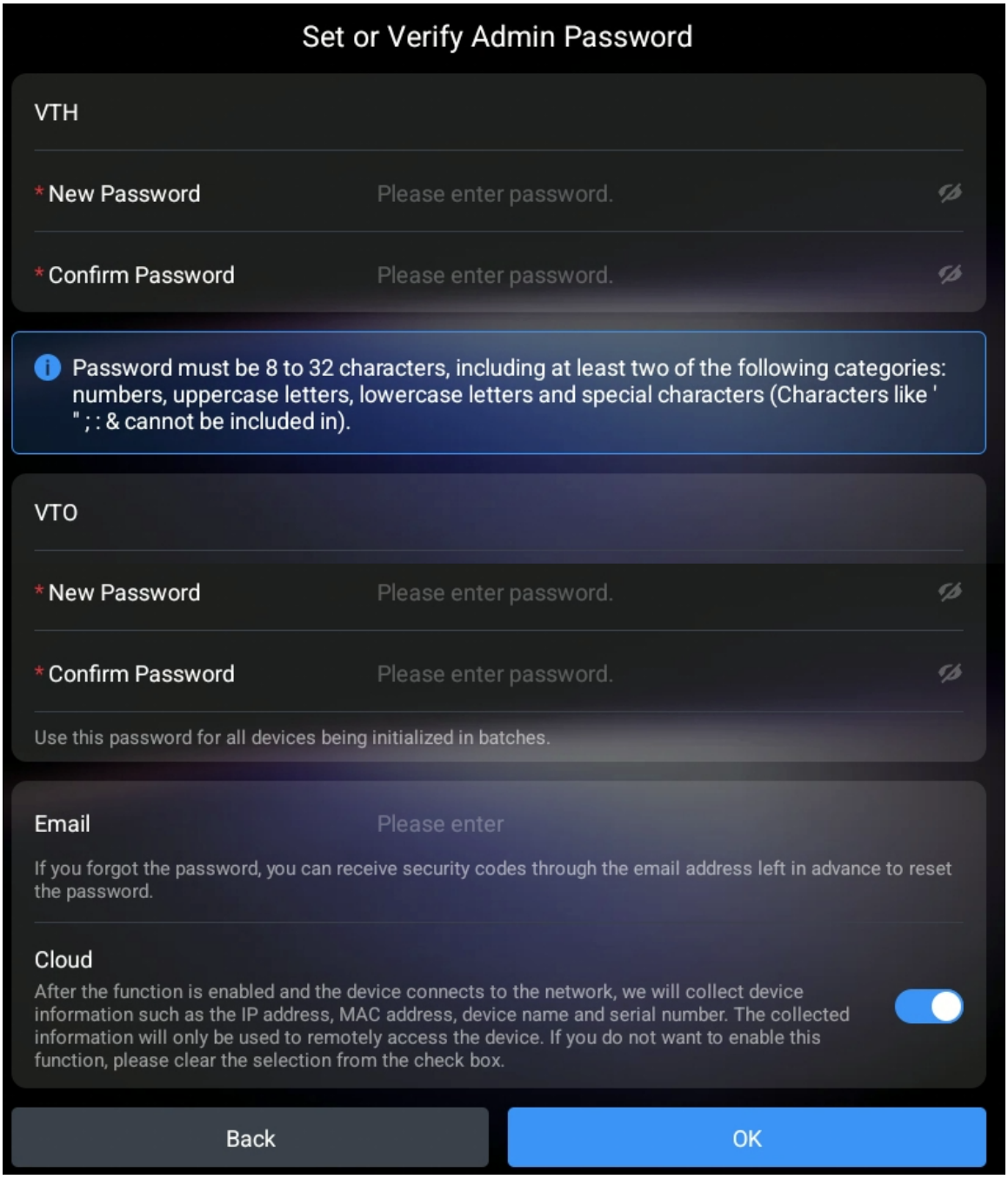
1. Tap to search for the devices.

Figure 4-27 Search for the devices



2. Tap corresponding to the device to configure the DHCP function.
3. Tap **ADD** corresponding to the device, or select more than one device and tap **Batch Add** to add devices.
4. Enter the passwords for the VTHs and VTOs, enter the Email address and enable the cloud function as needed.

Figure 4-28 Verify the password



5. Tap **OK**.

4.3.4.3 Other Operations

Tap **Device Setting**, and then you can view the device list and manage the devices.

Figure 4-29 VTO management (Apartment scene)

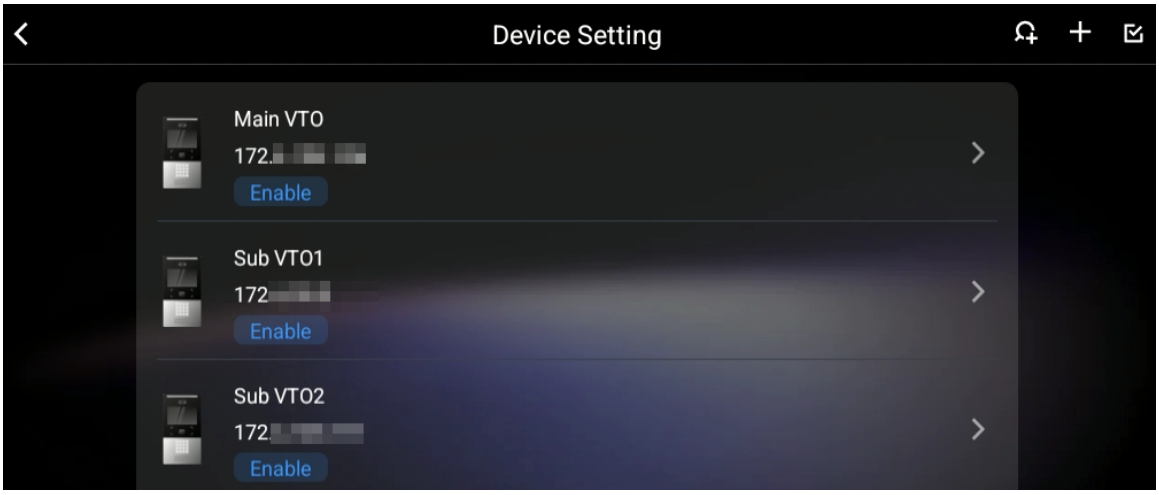
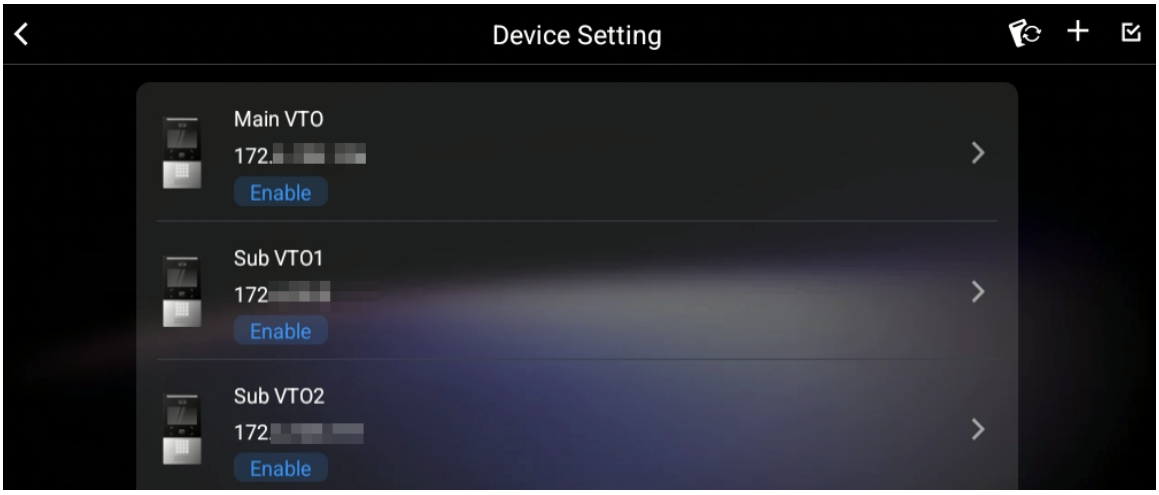
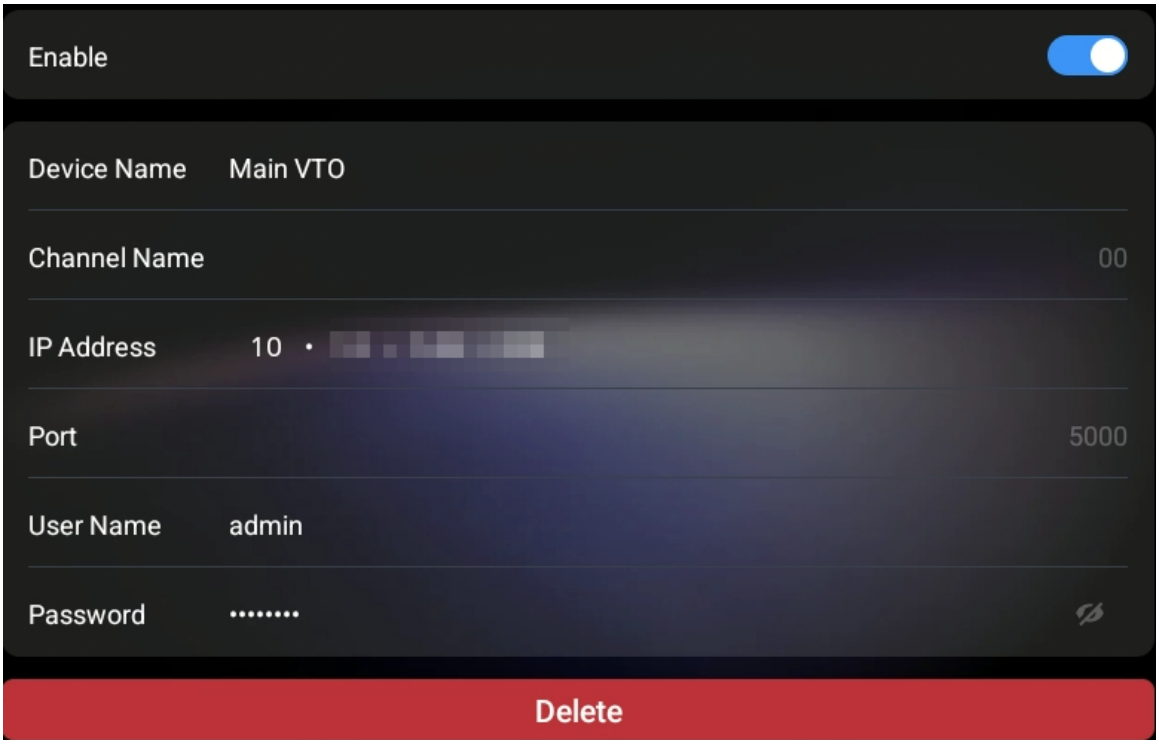


Figure 4-30 VTO management (Villa scene)



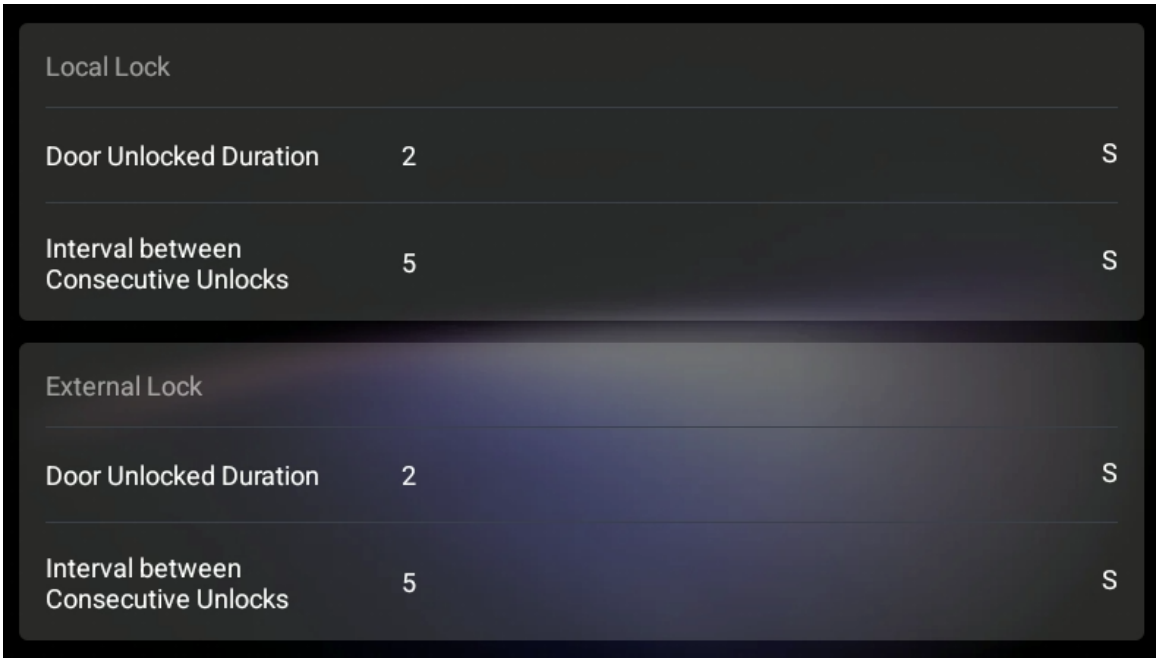
- Tap to search the devices that are on the same network segment as the Device, and then add the searched devices as needed. For details, see "4.3.4.2 Adding Devices by LAN Searching".
- Tap to quick configure the VTO. The configuration is the similar to the process of initialization. For details, see "4.3.4.2 Adding Devices by LAN Searching" and "3 Quick Configuration".
- Tap to add manually. For details, see "4.3.4.1 Adding Devices Manually".
- Tap , and then you can select VTO from the list to delete.
- Tap the device in the list, and then you can edit the details of the device.
  - Device Info: Tap **Device Info** to edit the device, and then tap **Save**.

Figure 4-31 Device information



◇ Unlock Settings: Tap **Unlock Settings** to configure the local lock and external lock of the device, and then tap **Save**.

Figure 4-32 Unlock settings



○ Door Unlock Duration: Configure the duration for keeping the door open.

○ Interval between Consecutive Unlocks: Configure the interval between consecutive unlocks for the locks.

4.3.5 Security Settings

Tap **Security Settings** to configure the security parameters.

Figure 4-33 Security settings

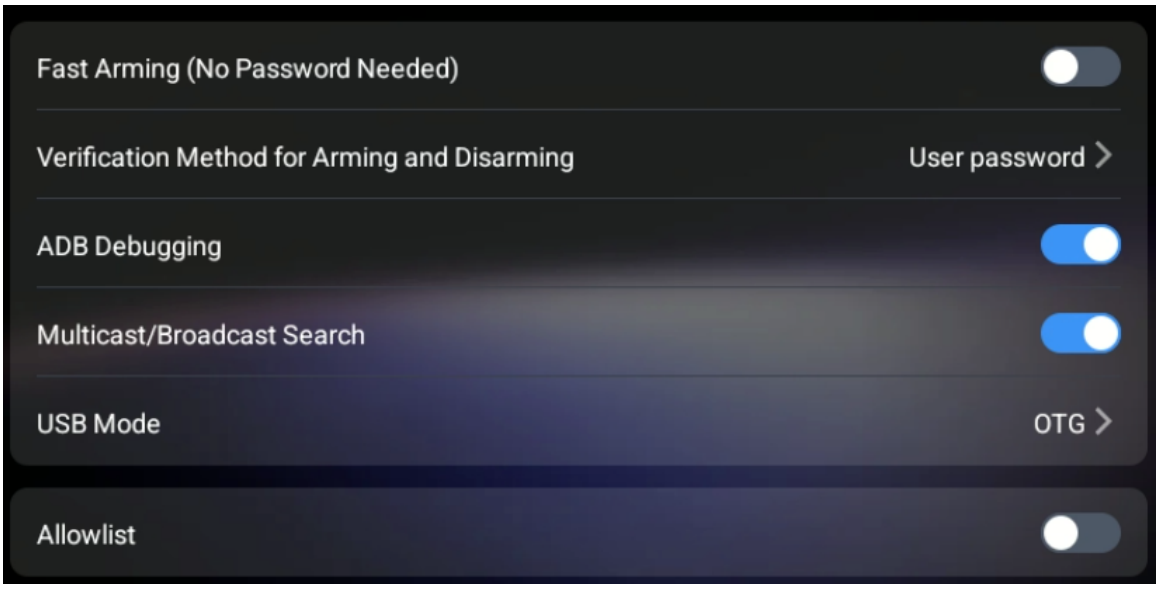


Table 4-17 Description

Parameter	Description
Fast Arming (No Password Needed)	It is only available when the airshield alarm is configured. When it is enabled, there is no need of the password when arming, while still need of the password when disarming.
Verification Method for Arming and Disarming	It is only available when the airshield alarm is configured. Select verification method from **User Password** and **Keypad Password**. ● **User Password** : Using user password to operate arming and disarming. ● **Keypad Password** : Using keypad password to operate arming and disarming, which is configured on the DMSS.
ADB Debugging	Allows communication between a computer and an Android device for debugging, file transfers, and advanced system operations.
Multicast/Broadcast Search	After it is enabled, the Device can automatically search for other devices in the same network through multicast or broadcast.
USB Mode	Select USB mode from USB and OTG. ● USB: Allows the Device to connect to a computer to read data. ● OTG: Allows the external devices to connect to the Device.

Parameter	Description
Allowlist	After it is enabled, enter the IP address and port of the device to be added to the allowlist that can connect to the Device. Only devices in the allowlist can access the Device.

4.3.6 Factory Defaults

Tap **Factory Defaults** to restore the Device to its factory settings.

All the information on the Device will be cleared and the Device will restart. Please be advised.

4.4 System Settings

4.4.1 Network and Internet (Wi-Fi)

The Wi-Fi function is available on select models.

Procedure

Step 1 Tap > **Network & internet** on the home screen.

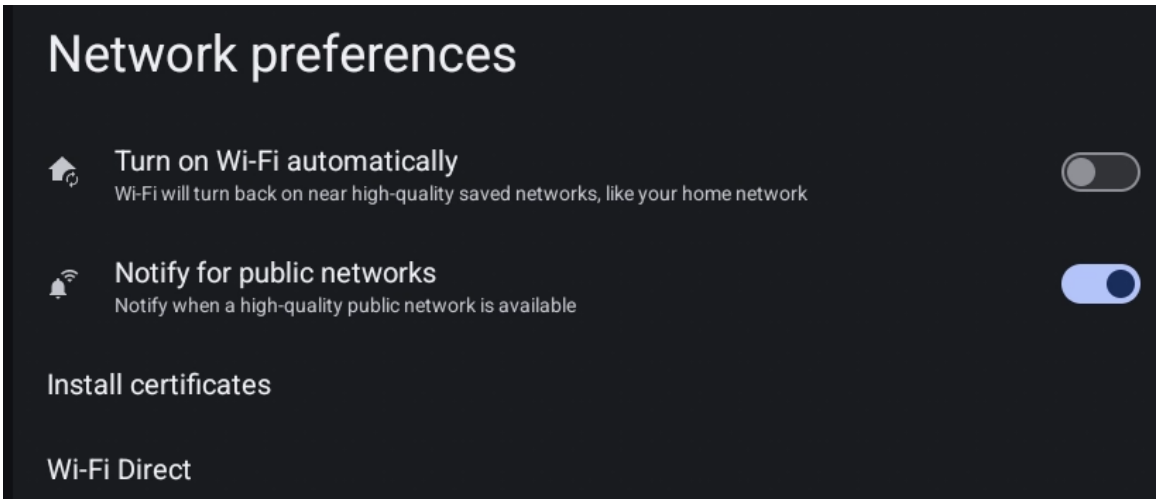
Step 2 Tap behind the Wi-Fi to enable the function, and then the system will automatically search for the available Wi-Fi.

Step 3 Tap the Wi-Fi you want to connect.

Step 4 Enter the password, and then tap **CONNECT**.

Step 5 Tap **Network preferences** to configure the network preferences.

Figure 4-34 Configure network preferences



- Turn on Wi-Fi automatically: When the Device detects the saved Wi-Fi network, it automatically turns on the Wi-Fi function and connects to this saved Wi-Fi.
- Notify for public networks: When the Device detects an unencrypted public Wi-Fi, a prompt will pop up asking whether to connect to.

- Install certificates: Tap it to manually install certificates (such as CA certificates and enterprise certificates) to verify network identity or for encrypted communication.
- Wi-Fi Direct: Allows Device to establish high-speed peer-to-peer (P2P) connections directly with other devices without going through routers.

  All communicated devices should support the Wi-Fi Direct function.

Step 6 Tap **Saved networks** to view all saved networks.

Step 7 (Optional) Tap a saved network, and then you can configure this saved network.

- Tap **FORGET** to delete this saved network.
- Tap **CONNECT** to connect to this saved network.
- Tap **SHARE** to share this saved network, and then you can scan the QR code with another device to connect to this network.
- Tap  to edit the network.
- View all details about the network, such as signal strength, frequency, and security.

4.4.2 Connected Devices

The Device can connect to Bluetooth-enabled devices, such as Bluetooth speaker and wireless headphones. This function is only available for select models. And the Bluetooth-enabled devices are available for the third-party app downloaded through the browser.

Prerequisites

Make sure that the Bluetooth function of devices you want to connect to turns on.

Procedure

Step 1 Tap  on the home screen.

Step 2 Tap **Connected Devices**, and then you can pair new devices and view the connected devices.

1. Tap **Connection preferences** > **Bluetooth**, and then enable **Use Bluetooth**.
2. Tap **Pair new device**, and then you can see all available devices.
3. Tap the device you want to pair.

Step 3 (Optional) Tap **See all** to view all saved devices.

4.4.3 Applications

Procedure

Step 1 Tap  on the home screen.

Step 2 Tap **Apps**, and then you can view the recently opened applications and unused applications.

Step 3 Tap each application, and then you can view the details of the application. Here uses clock as an example.

Figure 4-35 Clock

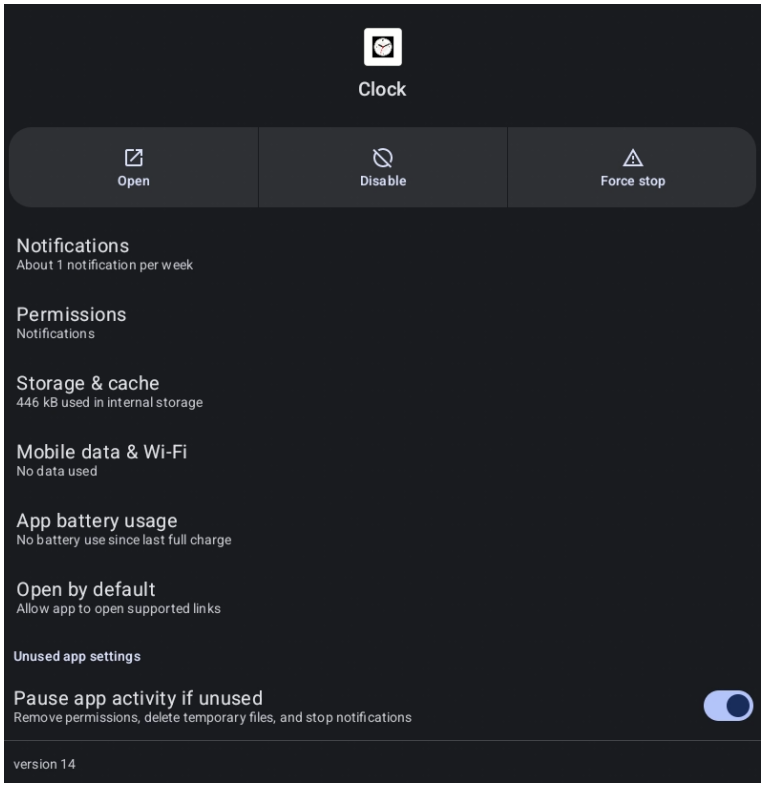


Table 4-18 Description of the clock

Parameters	Description
Open	Tap **Open** to go to the clock page.
Disable	Tap **Disable** to disable the function.
Force stop	Tap **Force stop** to forcefully stop the function.
Notifications	Tap **Notifications** , enable **All Clock notifications**, and then you can set the clock notifications.
Permissions	Tap **Permissions** to grant the clock with permissions.
Storage & cache	Tap **Storage & cache** to view the details about storage and cache.
Mobile data & Wi-Fi	Tap **Mobile data & Wi-Fi** to view the details about mobile data and Wi-Fi.
App battery usage	Tap **App battery usage** to view the details about battery usage.
Open by default	Tap **Open by default** to configure the supported links to open in the clock.
Pause app activity if unused	Removes permissions, delete temporary files, and stop notifications.

4.4.4 Storage

Procedure

Step 1 Tap on the home screen.

Step 2 Tap **Storage** to view the storage usage.

The available storage space and total storage space are shown.

Figure 4-36 Storage



- Storage manager

  1. Tap to enable storage manager.
  2. Tap **Storage manager** to configure the rule.
  3. Tap **Remove photos & videos**, and then select the period during which the photos and videos are to be removed.

To help free up storage space, storage manager can remove backed up photos and videos from the Device.

- Free up space: Goes to files application to manage and free up space.
- Tap each item, and then you can view the storage details.

4.4.5 Sound

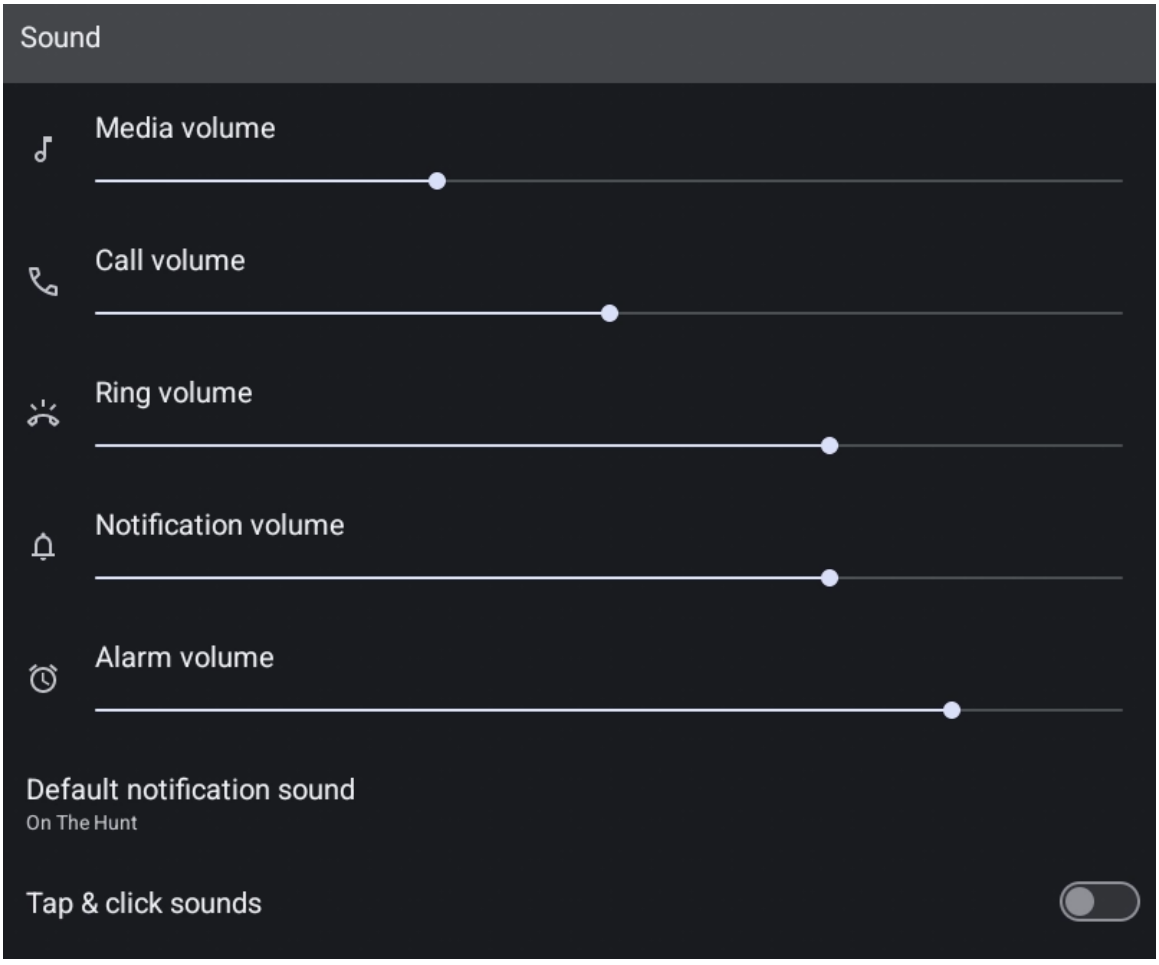
Configure the sound effect of the Device.

Procedure

Step 1 Tap on the home screen.

Step 2 Tap **Sound** to configure the sound and volume.

Figure 4-37 Sound



- Move the slider right or left to increase or decrease the volume.
- Default notification sound: Tap it to set the default sound.
- Tap & click sounds: After it is enabled, when the user touches the screen, a touch sound effect will be emitted, simulating the feedback feeling of physical buttons.

4.4.6 Display

Procedure

Step 1 Tap on the home screen.

Step 2 Tap **Display**, and then you can configure the brightness and lock display.

Figure 4-38 Configure display

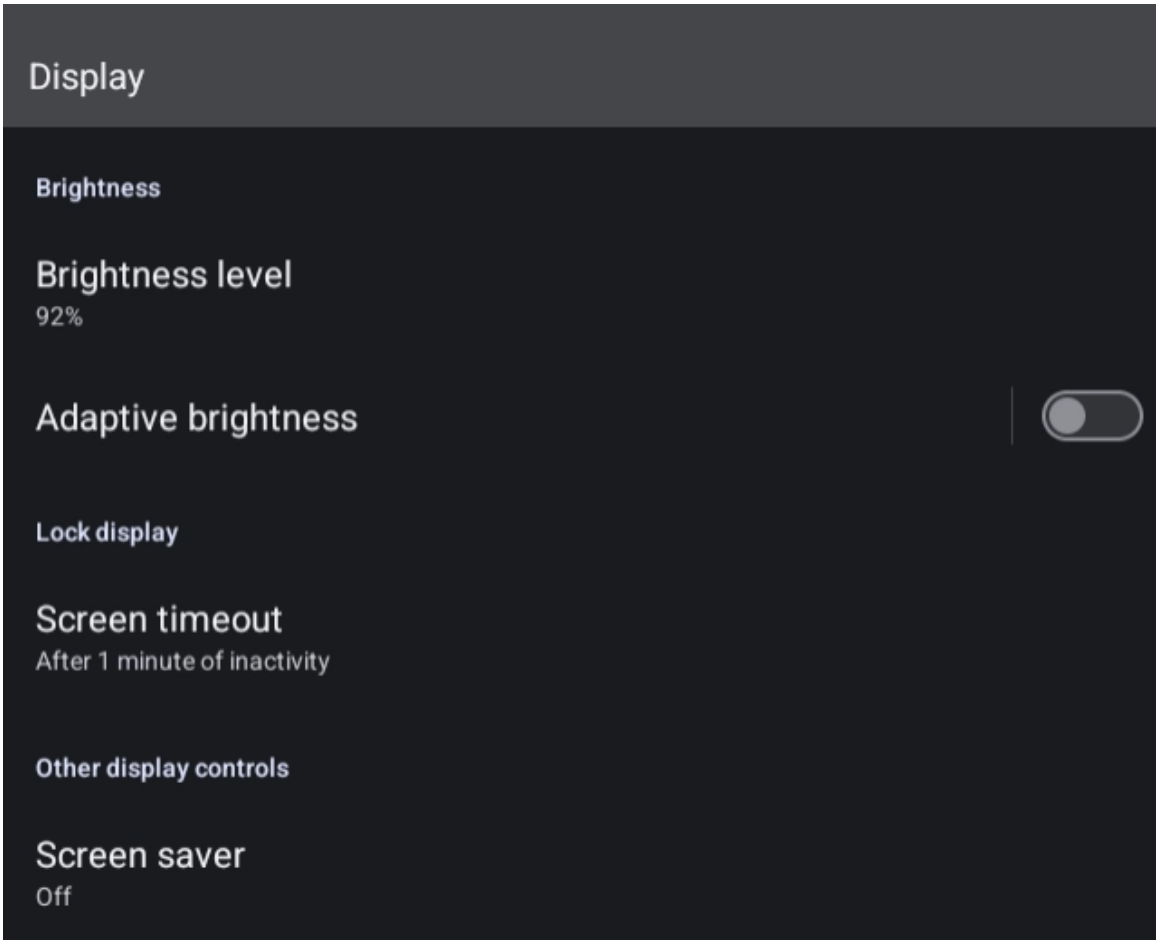


Table 4-19 Description of display

Parameter	Description
Brightness level	Tap **Brightness level**, and then move the slider right or left to increase or decrease the brightness.
Adaptive Brightness	Tap to enable the function, and then the screen brightness will automatically adjust to the environment and activities. You can move the slider manually to help adaptive brightness learn your preferences.
Screen timeout	Tap it to configure the screen timeout. It is 1 minute by default.

Parameter	Description
Screen saver	Tap it to configure the screen saver. 1. Tap to enable the function. 2. Tap **CUSTOMIZE** to set the screen saver. • Tap **Style** , and then select the screen saver from **Analog** or **Digital**. • Select **Night mode**, and then the screen will be in dim display for dark rooms. Tap **Preview**, and then you can preview the screen saver effect.

4.4.7 System

Procedure

Step 1 Tap on the home screen.

Step 2 Tap **System** to configure the language, date and time, and keyboard.

Figure 4-39 System configuration



Table 4-20 Description of system configuration

Parameter	Description
Language	Tap **Languages**, and then you can set the system language and application language. If there is no wanted language, you can tap **Add a language** to add language.

Parameter		Description
Keyboard	On-screen keyboard	Select **On-screen keyboard** > **Android Keyboard (AOSP)** to configure the Android keyboard. • Language: Set the keyboard language. • Preferences: Enable the keyboard attributes, such as auto-capitalization, double-space period, and sound on keypress. • Appearance & Layouts: Set the theme, custom input style, and enable split keyboard. • Gesture Typing: Enable gesture typing, dynamic floating preview, and show gesture trail. • Text correction: Configure the correcting rules and suggestions. • Advanced: Set the key long press delay, Emoji for physical keyboard, and show application icon.
	Physical keyboard	• Tap **input keyboard** to set the language. • Tap to enable the on-screen keyboard. • Tap **Keyboard shortcuts** to set the shortcuts. • Tap **Modifier keys** to change the behavior of the keys.
	Spell checker	Tap it to enable the function, and then configure the language and the default spell checker
	Personal dictionary	Tap it to create your own dictionary. Tap **ADD**, and then you can add a word and configure its shortcut.
	Pointer speed	Tap it to set the pointer speed.
Date & Time	Date	Tap **Date** to configure the date of the Device.
	Time	Tap **Time** to configure the time of the Device.
	Time zone	Tap **Time zone**, and then you select the time zone of the Device.

4.4.8 About Tablet

Procedure

Step 1 Tap on the home screen.

Step 2 Tap **About Tablet**, and then you can view information of the Device.

Figure 4-40 Device information

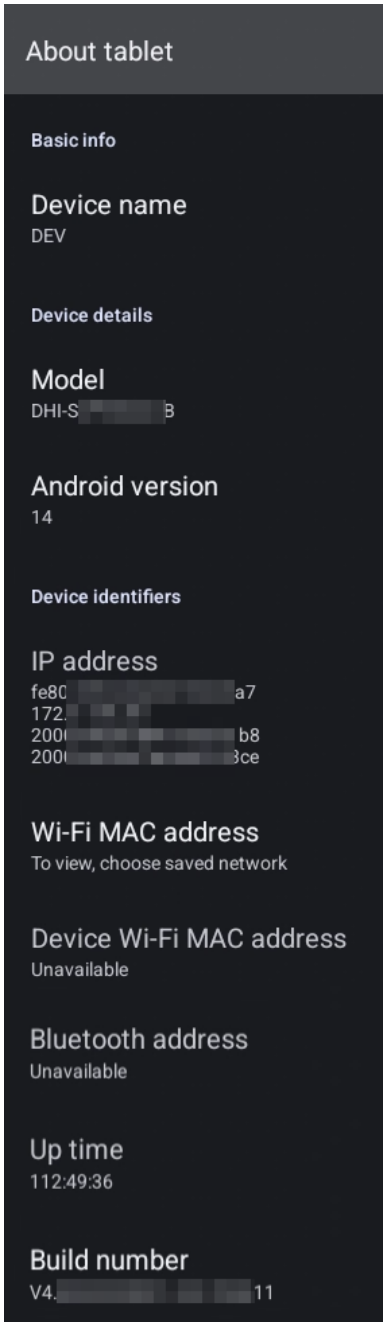


Table 4-21 Description of device information

Parameter		Description
Basic info	Device name	Displays the Device name. Tap it to modify the name.
Device details	Model	Tap it, and then you can view the Device model and serial number.
	Android version	Tap it, and then you can view the version information.
Device identifiers	IP address	The IP address of the Device.

Parameter		Description
	Wi-Fi MAC address	Tap it, and then you can view and choose saved network.
	Device Wi-Fi MAC address	Displays the Wi-Fi MAC address of the Device.
	Bluetooth address	Displays the Bluetooth address. This function is only available on the select models.
	Up time	Displays the duration update time.
	Build number	Displays the build number.

4.5 Alarm System

Set airshield alarm and local alarm.

Prerequisites

When you configure the alarm for the first time, initialize the user password.

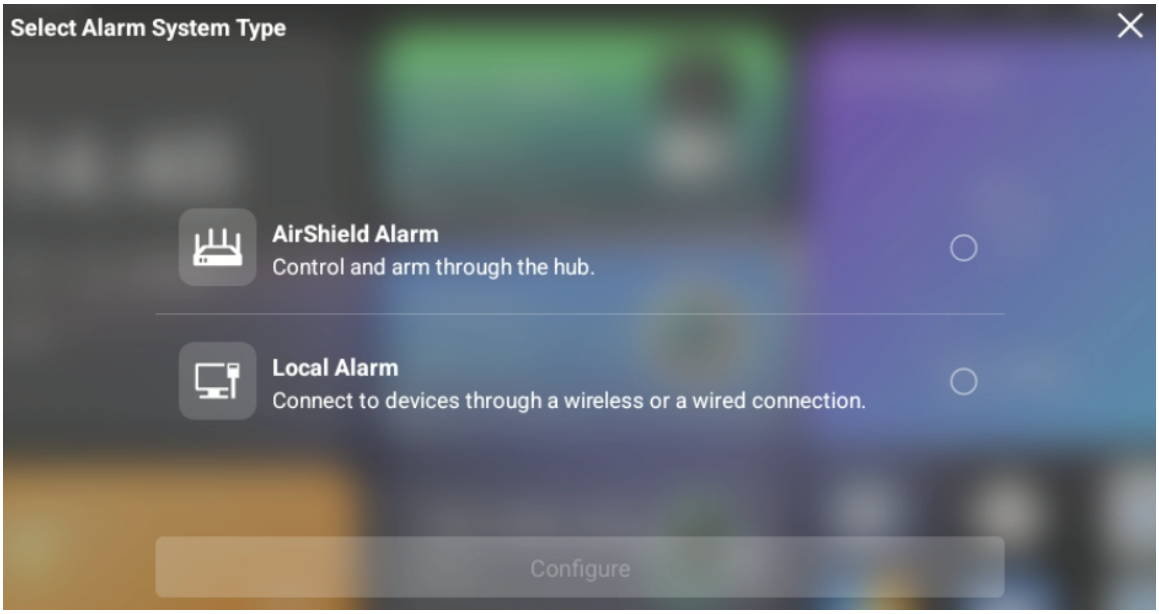
Procedure

Step 1 Tap **Alarm System** on the home screen to configure the alarm.

Step 2 Select alarm system type.

- AirShield Alarm: Control and arm through the hub.
- Local Alarm: Connect to devices through a wireless or a wired connection.

Figure 4-41 Select alarm system type



4.5.1 Airshield Alarm

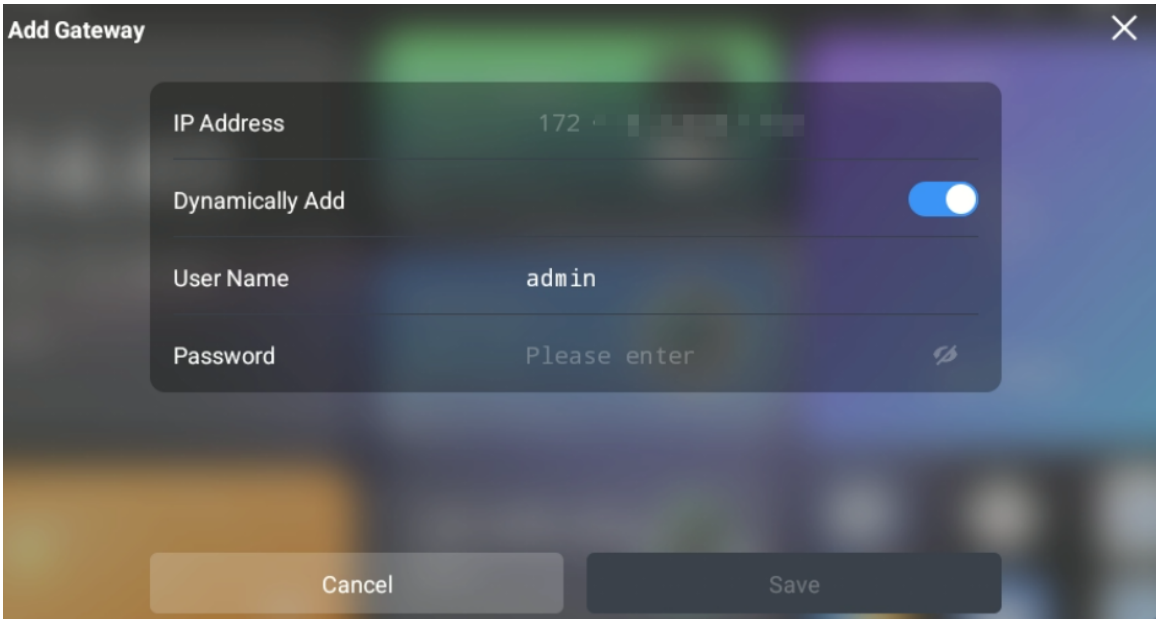
Procedure

Step 1 Select **AirShield Alarm** as the alarm system type, and then tap **Configure**.

Step 2 Add the alarm hubs.

- Add alarm hubs detected automatically.
  1. Tap **ADD** corresponding to the hub.
  2. Enter the device name and password, and then tap **Save**.

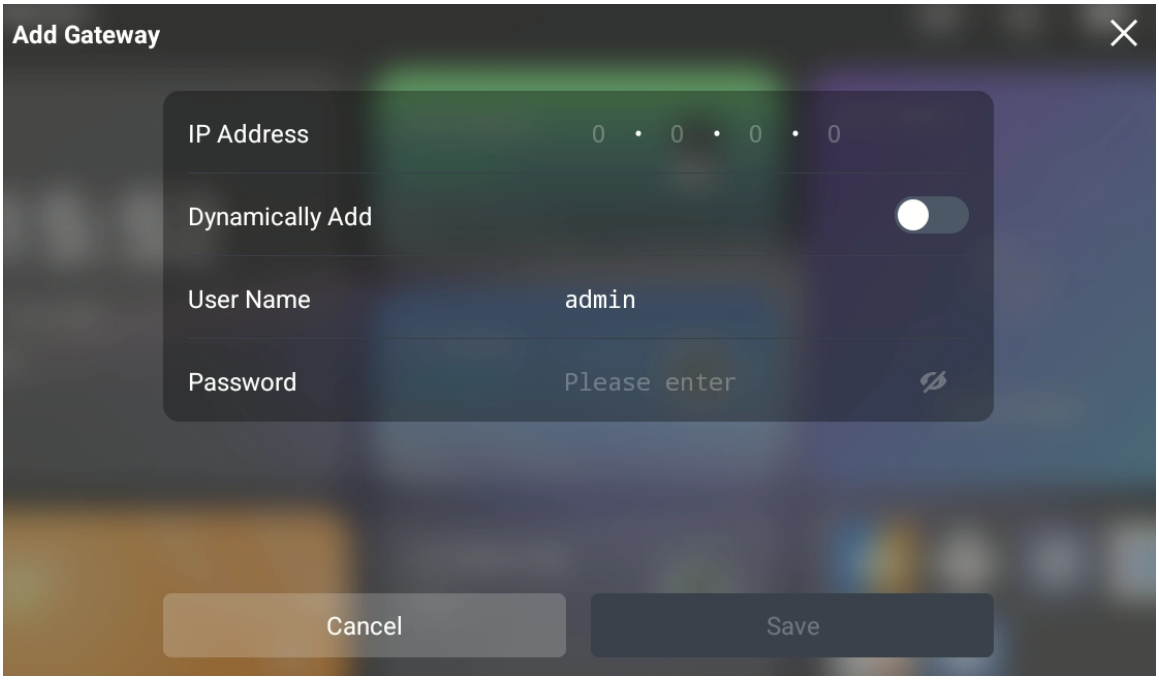
Figure 4-42 Automatically add



- Add alarm hubs manually.
  1. Tap **+ Manual Add**.
  2. Enter the device name, IP address, and password, and then tap **Save**.

     Dynamically Add : Supports real-time adding and configuring new devices or functions without restarting or interrupting the device.

Figure 4-43 Manual add



Step 3 After the alarm hub is added, you can switch **Area** , **Control** and **Devices** to see the details about the hub.

Tap **Area** tab, you can configure the airshield alarm for all zones on the left, including **Home Armed**, **Away Arming**, and **Disarm**. You can also configure the single alarm for a certain device on the right.

Related Operations

- Select > **Add New Alarm Hub** on the upper-right corner, and then you can add new alarm hubs.

If more than one hub is added, you can switch the hubs on the home screen or on the airshield hubs page.

Figure 4-44 Switch the hubs on the airshield hubs page

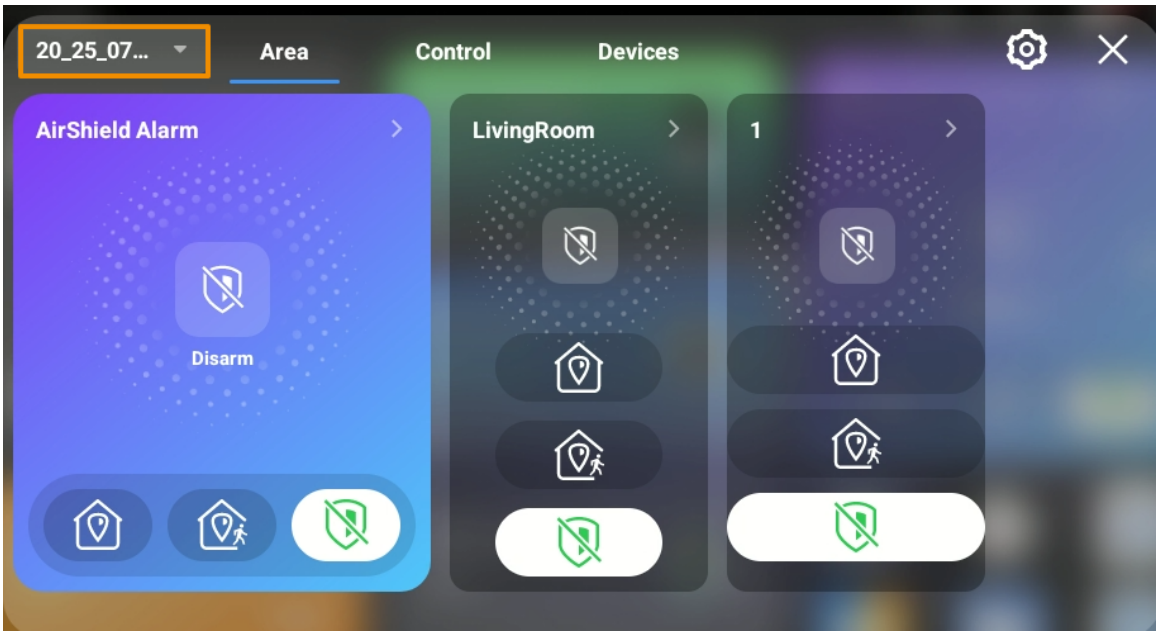
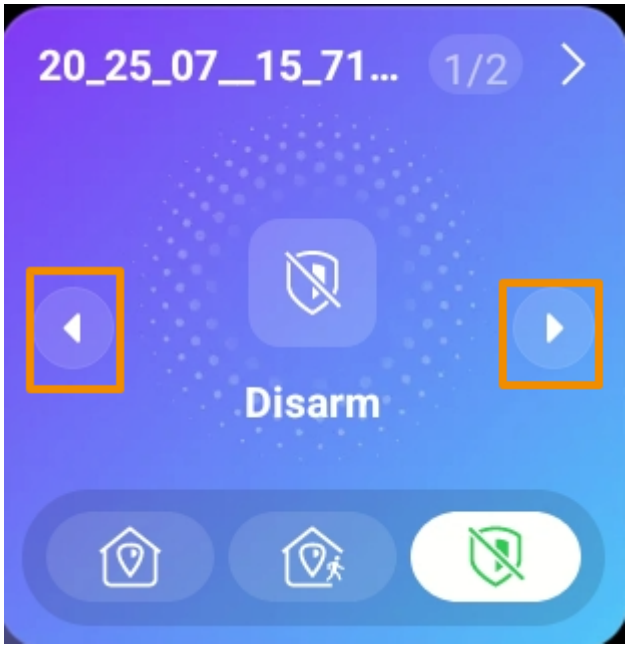


Figure 4-45 Switch the hubs on the home screen



- Select  > **Configure Arming Again** on the upper-right corner, enter the password, tap **OK**, and then you can configure the alarm system again.

4.5.2 Local Alarm

4.5.2.1 Configuring Wired Zones

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

Procedure

Step 1 Select **Local Alarm** as the alarm system type, and then tap **Configure**.

Step 2 Tap **Wired Zone**.

Step 3 Tap a wired zone to configure the parameters.

Figure 4-46 Configure the parameters



Table 4-22 Description of the wired zone parameters

Parameter	Description
Zone No.	Displays the zone number, which cannot be edited.
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.

Parameter	Description
Alarm Status	• **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. A zone in the **Remove** status cannot be bypassed.
Entry Delay Time	Configure the time. 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. The configured time is only effective in areas with **Delay Alarm**.
Exit Delay Time	Configure the time. After configuring the **Delay Alarm** status for the area, if the delay time comes to an end, the area will enter the arming status. • 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.

Step 4 Tap **OK**.

Related Operations

Tap > **Configure Arming Again** on the upper-right corner of the page, enter the password, tap **OK**, and then you can configure the alarm system again.

4.5.2.2 Configuring Wireless Zones

Background Information

The wireless function is only available on select models.

Procedure

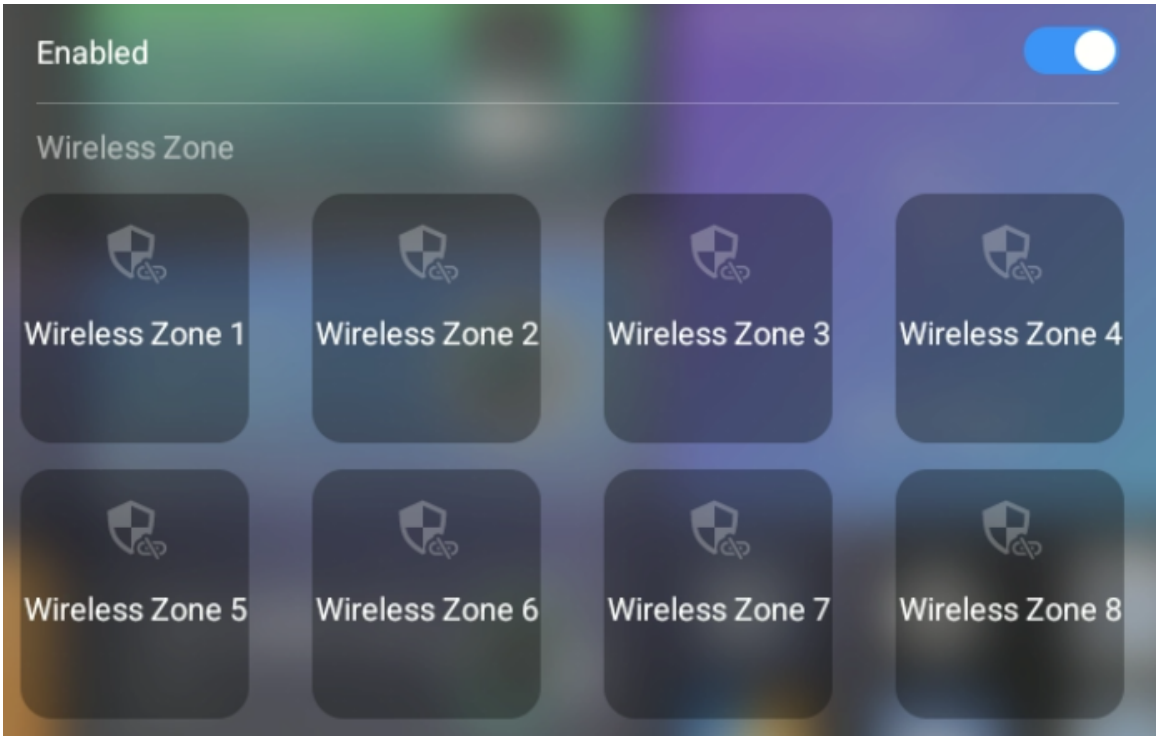
Step 1 Select **Local Alarm** as the alarm system type, and then tap **Configure**.

Step 2 Tap **Wireless Zone**.

Step 3 Tap to enable the function.

Step 4 Tap a wireless zone to pair.

Figure 4-47 Wireless zones



4.5.2.3 Configuring Scene

Set the area status under different modes.

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

Procedure

Step 1 Select **Local Alarm** as the alarm system type, and then tap **Configure**.

Step 2 Tap **Scene**.

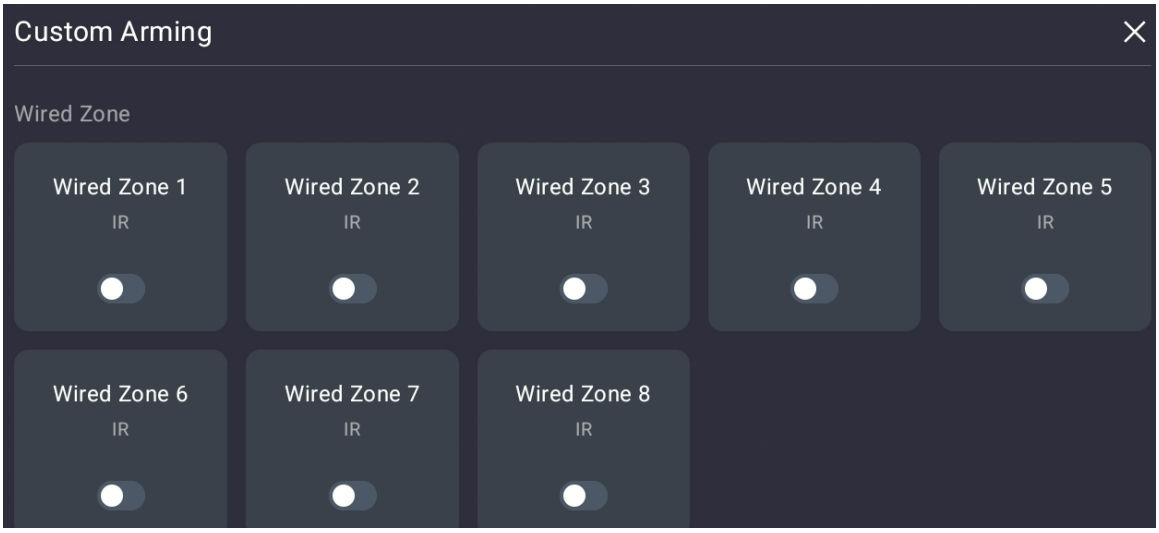
Step 3 Tap one of the 4 arming modes as needed.

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

Step 4 Turn on or turn off the wired zone you selected to enable or disable the arming mode.

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

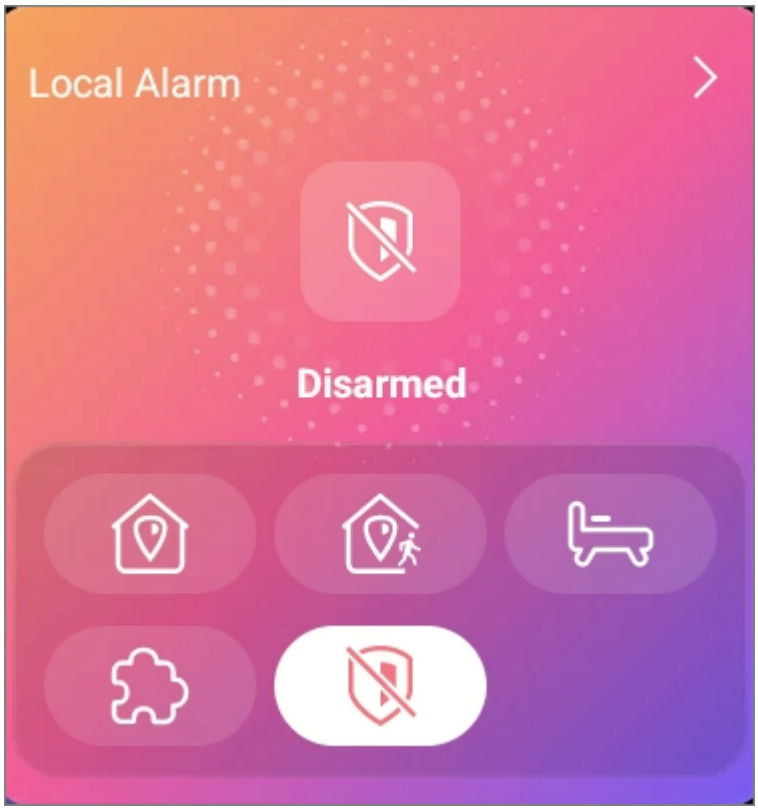
Figure 4-48 Mode setting area



Related Operations

Select any one of the modes as needed on the home screen, enter the password, and then tap **OK**. And the selected mode will be shown.

Figure 4-49 Alarm type



4.6 Calling

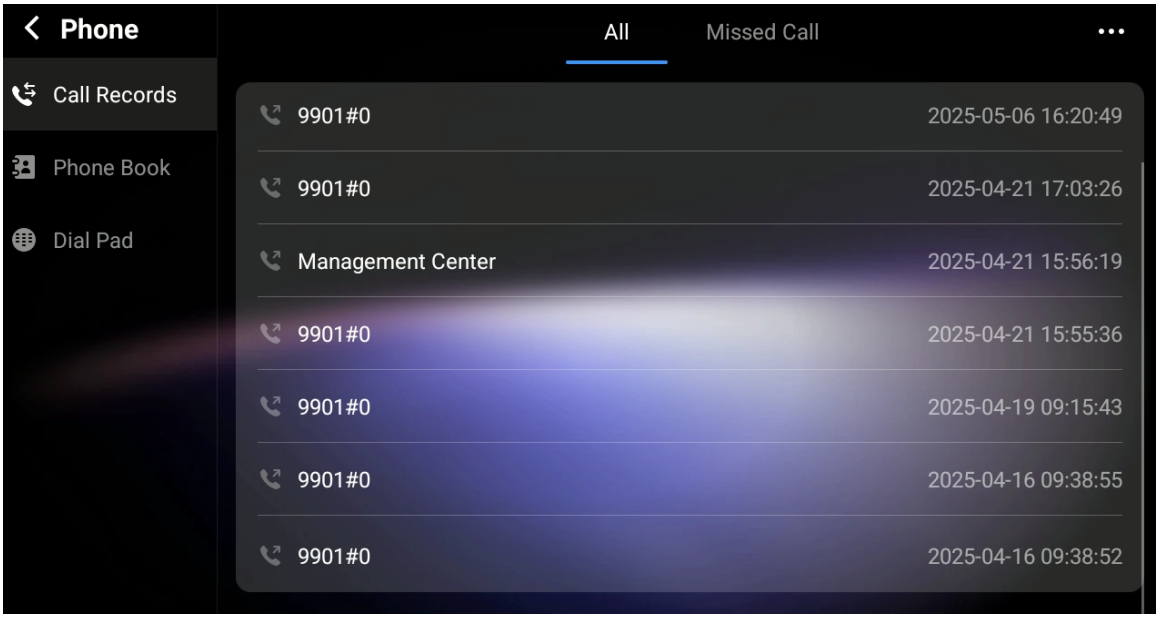
Tap on the home screen, and then you can make a call, check phone book, and view the call records.

Call Records

Tap **Call Records**, and then you can view all call records or missed calls.

Tap ••• , and then you can select records to delete or clear records as needed.

Figure 4-50 Call records



Phone Book

1. Tap **Phone Book**.
2. Tap + to add resident information, including last name, first name, and room number.
3. Tap **OK** to save the information to the phone book.
4. Tap corresponding to the contact to make a call.

Tap ••• , and then you can select residents to delete or clear as needed.

Figure 4-51 Add resident information

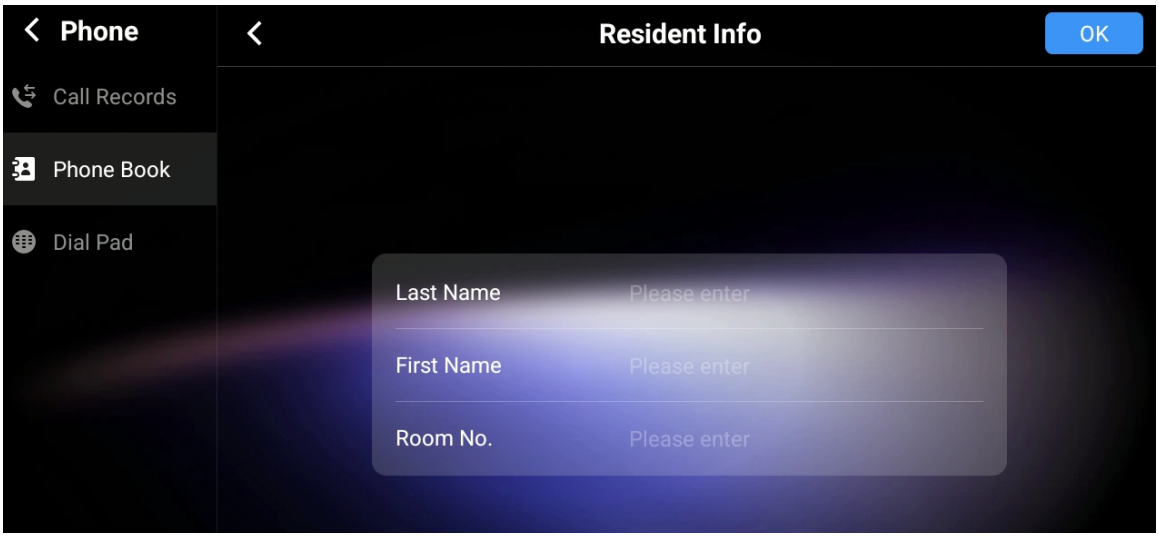
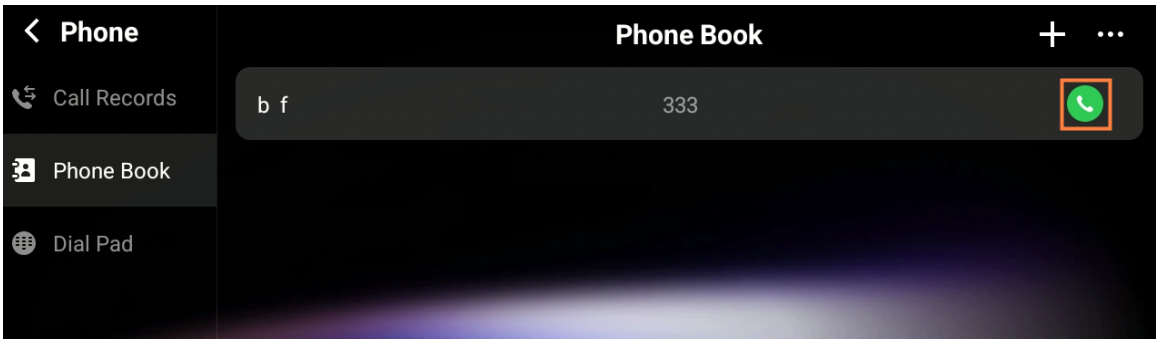


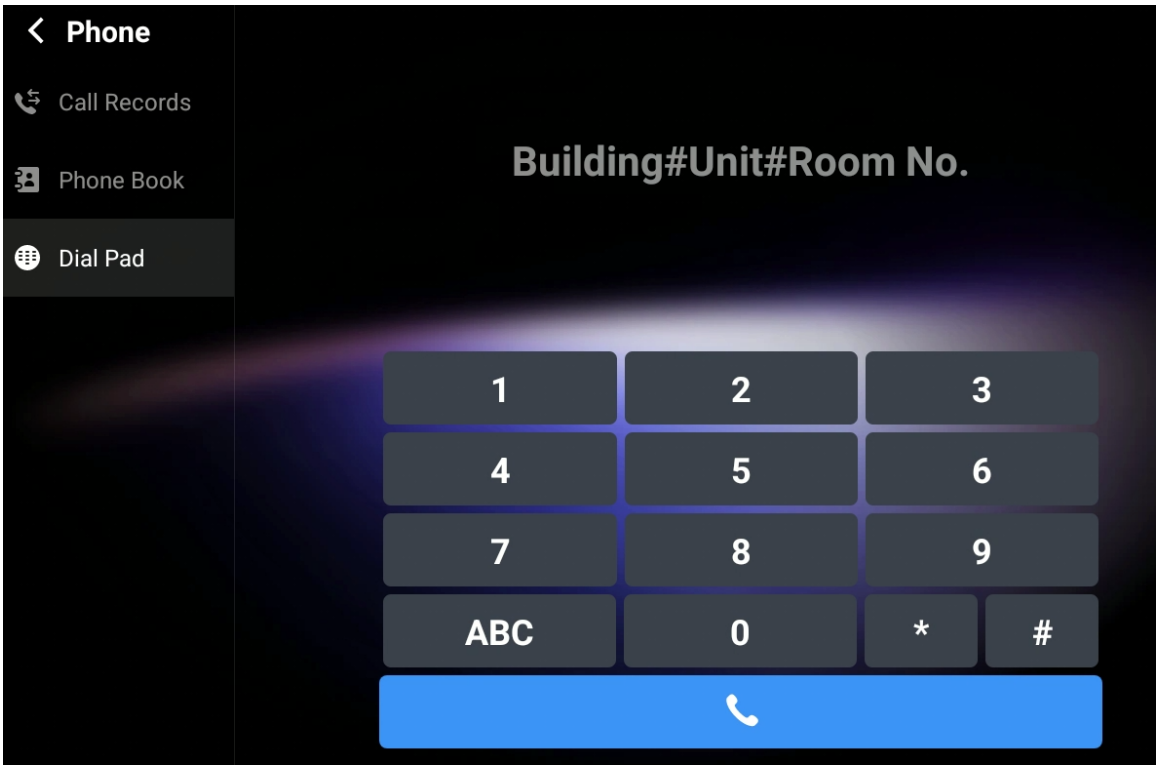
Figure 4-52 Call



Dial Pad

1. Tap **Dial Pad**.
2. Enter the calling number (format is Building#Unit#Room No.), and then tap .

Figure 4-53 Dial



4.7 Viewing Records

Tap on the home screen, and then you can view alarm records, published information, visitor videos, and visitor snapshots.

Alarm Records

Tap **Alarm Records**, and then you can view all alarm records.

Publish Info

Tap **Publish Info**, and then you can view all publish information issued from the management center.

After the management center releases publish information, it will be shown.

Visitor Video

Tap **Visitor Video**, and then you can view videos recorded during the monitoring.

Tap or Local to filter the desired record type and storage location.

Visitor Snapshot

Tap **Visitor Snapshot**, and then you can view snapshot captured during the monitoring.

Tap 

to filter the storage location.

4.8 Adding IPCs or NVRs

Prerequisites

Make sure the IPC is powered on and connected to the same network as the Device.

4.8.1 Adding IP Cameras Manually

Procedure

Step 1 Tap **IP Camera** on the home screen.

Step 2 Tap  or , and then tap **Manual Add** to add an IPC manually.

Step 3 Configure the parameters as needed.

Figure 4-54 Configure the parameters

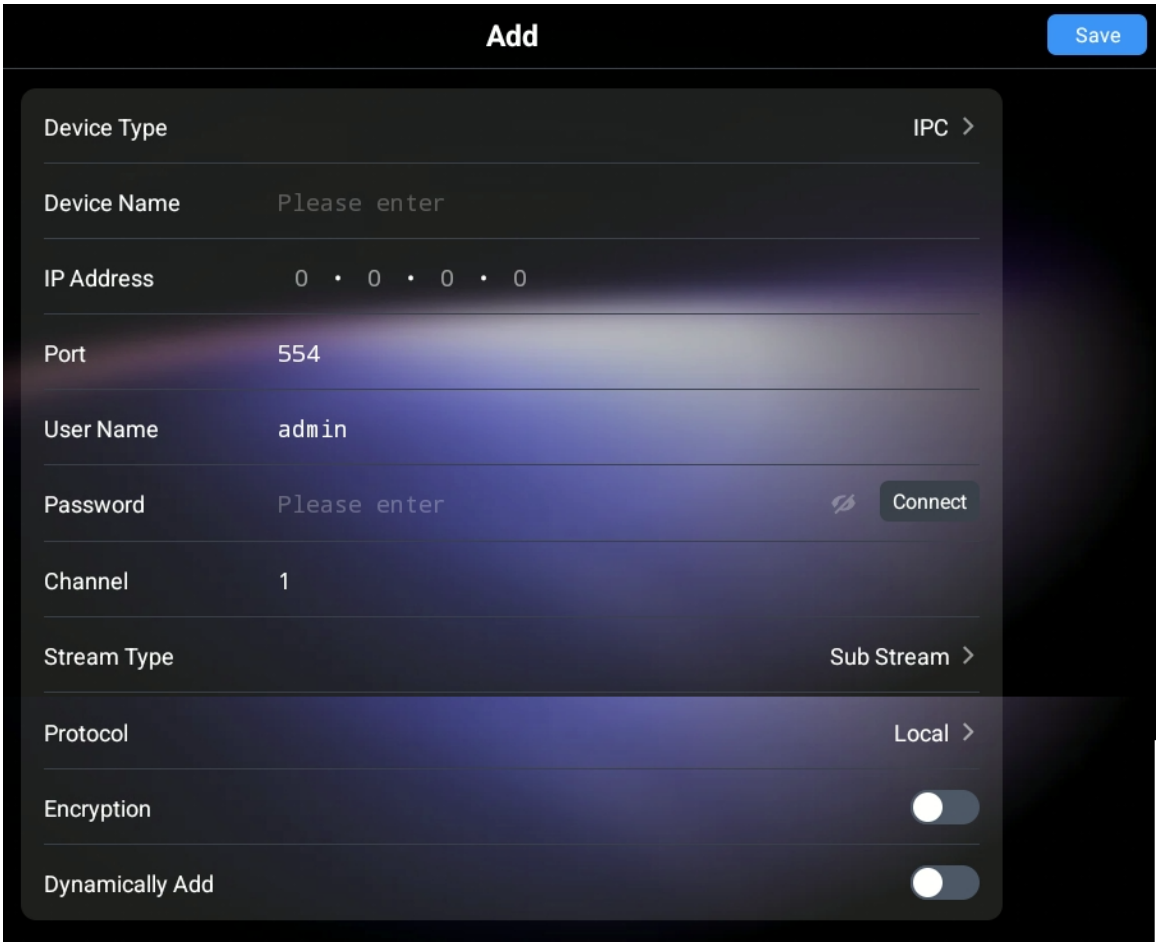
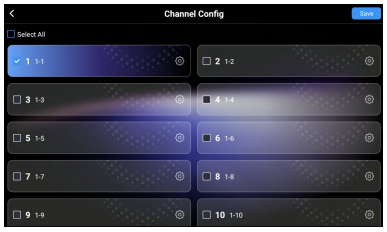


Table 4-23 Description of the parameters

Parameter	Description
Device Type	Select the device types from IPC or NVR.
Device Name	Enter a device name.
IP Address	Enter the IP address.
Port	It is **554** by default.
User Name	Enter the user name. It is **admin** by default.
Password	Enter the device password. If the device type is NVR, tap **Connect** to connect to the NVR with more than one channels.
Chancel	• If the device is with a single channel: Displays the channel number. • If the device is with more than one channel: Tap **Channel**, and then you can configure the channel. Tap ⚙ corresponding to the channel, you can edit the channel information. 
Stream Type	Select the stream types from main stream or sub stream.
Protocol	Select the protocol from **Local** or **ONVIF**. • **Local** : Allows devices of the same brand/series to communicate. • **ONVIF** : Support communication among ONVIF-certified devices of different brands.
Encryption	Enable it if the IPC to be added is encrypted.
Dynamically Add	Supports real-time adding and configuring new devices/functions without restarting or interrupting the device.

Step 4 Tap **Save**.

4.8.2 Adding IP Cameras by LAN Searching

Prerequisites

Make sure the wanted IP cameras are on the same network segment as the Device.

Procedure

Step 1 Tap **IP Camera** on the home screen.

Step 2 Tap , and then you can view the searched IPCs or NVRs.

Tap to refresh the list.

Step 3 Tap **Add** corresponding to the wanted IPC or NVR, and then configure the parameters as needed.

Figure 4-55 Configure the parameters

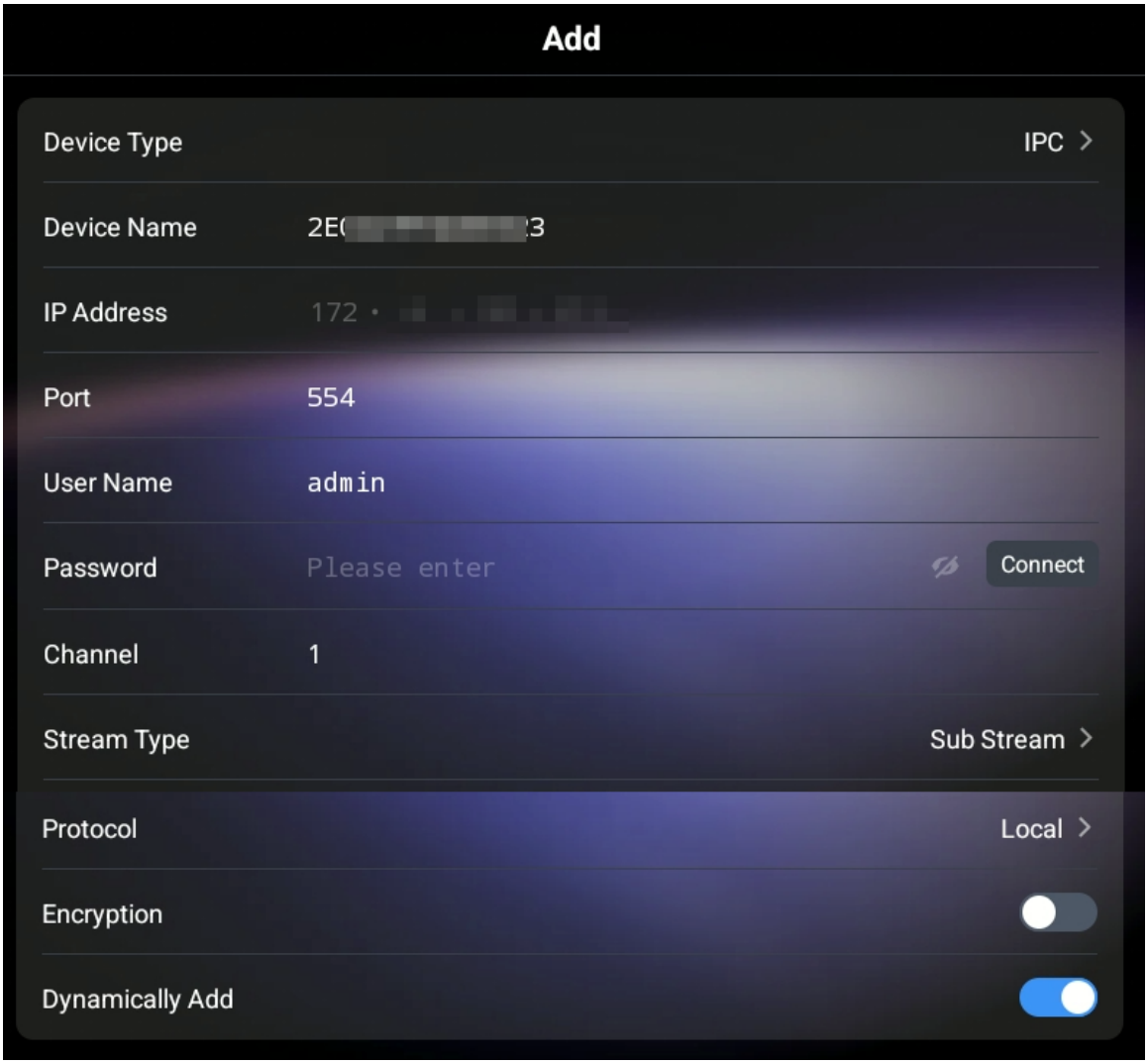
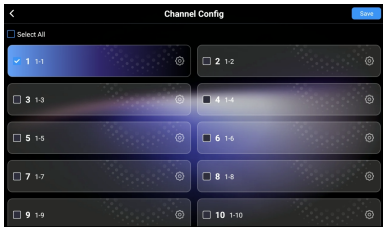


Table 4-24 Description of the parameters

Parameter	Description
Device Type	Displays the device type.
Device Name	Displays the device name.
IP Address	Displays the IP address.
Port	It is **554** by default.
User Name	Enter the user name. It is **admin** by default.

Parameter	Description
Password	Enter the device password. If the device type is NVR, tap **Connect** to connect to the NVR with more than one channels.
Channel	• If the device is with a single channel: Displays the channel number. • If the device is with more than one channel: Tap **Channel**, and then you can configure the channel. Tap corresponding to the channel, you can edit the channel information. 
Stream Type	Select the stream types from main stream or sub stream.
Protocol	Select the protocol from **Local** or **ONVIF**. • **Local** : Allows devices of the same brand/series to communicate. • **ONVIF** : Support communication among ONVIF-certified devices of different brands.
Encryption	Enable it if the IPC to be added is encrypted.
Dynamically Add	Supports real-time adding and configuring new devices/functions without restarting or interrupting the device.

Step 4 Tap **Save**.

Related Operations

Tap , and then you can edit or delete the added devices.

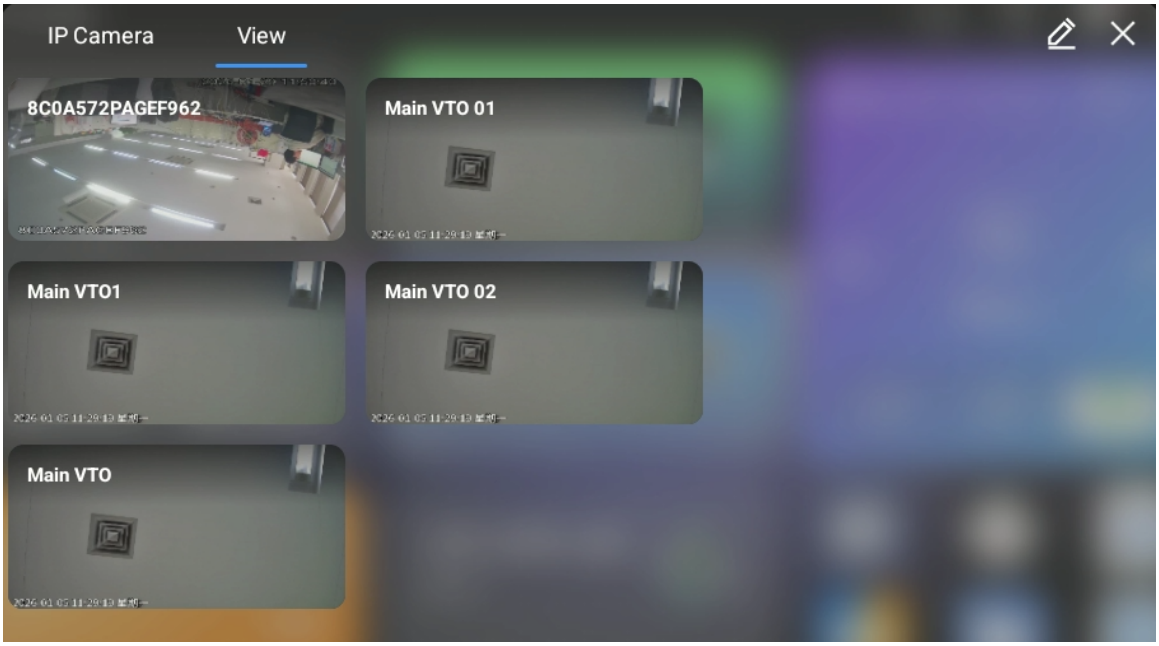
4.9 Viewing the Favorite

Procedure

Step 1 Tap **IP Camera** on the home screen.

Step 2 Tap **View** tab, and then you can view the saved views.

Figure 4-56 Saved views



Related Operations

Tap , you can delete the saved views.

5 Commissioning

5.1 Calling

You can call the VTH, DMSS, and VTS on the Device.

5.1.1 Calling the VTH

You can call the VTH by room number or from the phone book.

By Room Number

1. Tap on the home screen.
2. Tap **Dial Pad**.
3. Enter the calling number (format is Building#Unit#Room No.), and then tap .

From Phone Book

1. Tap on the home screen.
2. Tap **Phone Book**.
3. Tap the VTH which you want to call.

   Tap to add resident information. For details, see "4.6 Calling".

5.1.2 Calling the VTS

Make sure the SIP server has been configured. For details, see "4.3.3 SIP Server".

Tap **Property Management** on the home screen to call the VTS.

If there is no **Property Management** on the home screen, long press the screen, and then tap **+ Widgets** to add the **Property Management** to the home screen.

Figure 5-2 Call the VTS



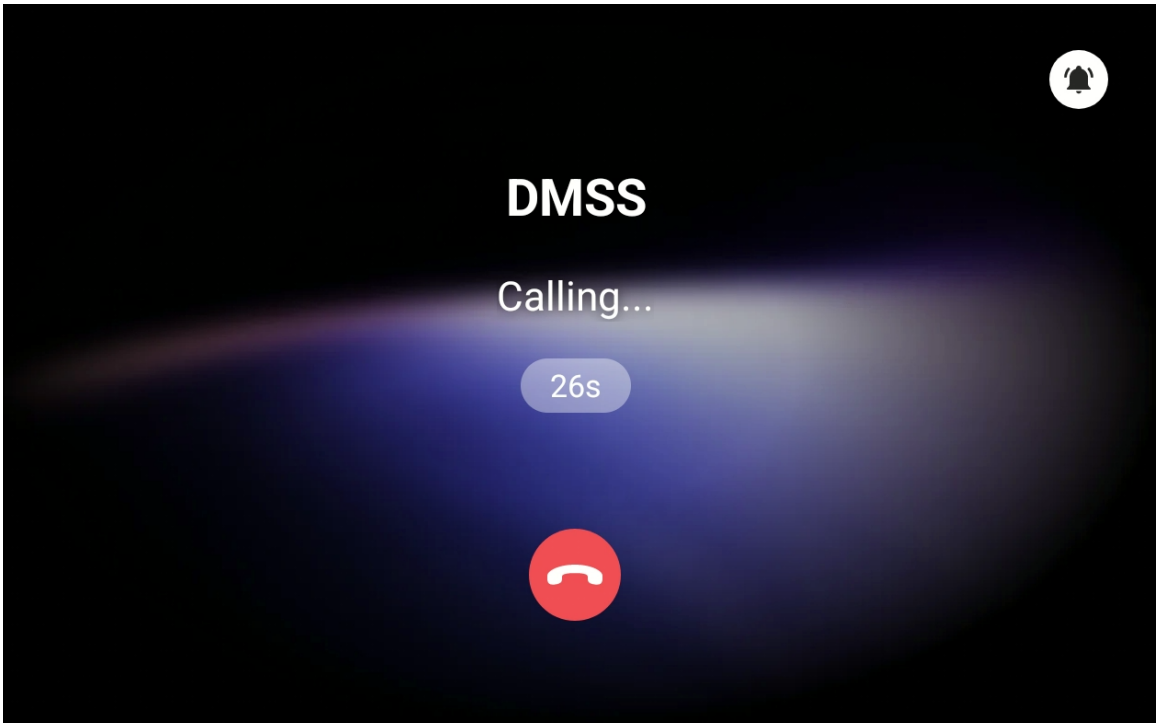
- Tap to hang up the call.
- Tap to mute the Device.

5.1.3 Calling DMSS

You have configured the DMSS cloud function and the Device has been added to the DMSS app. For details, see "4.2.8.1 System Settings".

Tap **Call Mobile App** on the home screen to make a call to DMSS.

Figure 5-3 Call DMSS



- Tap to hang up the call.
- Tap to mute the Device.

5.1.4 Receiving Calls from VTO

Procedure

Step 1 Dial the room number of the Device (such as 9901) at VTO.

Step 2 On the VTH screen, tap or to answer or decline the call.

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

Figure 5-4 Call from VTO



Table 5-1 Call screen description

Key	Description
/	Remotely unlock the door where the VTO is installed. The system provides 2-channel unlock. If the icon is gray, it means that the unlock function of this channel is not available.
	The microphone can be used. Tap the icon, and the microphone cannot be used.
	Tap to switch the IPC that is linked.
	Take a snapshot. It is available when the SD card is inserted and serves as the storage location.
	Take recording. Complete recording when the call is completed or by tapping the stop icon. • It is available when the SD card is inserted and serves as the storage location. • Videos are stored in SD card of this VTH. If SD card is full, the earlier videos will be covered. • The record will not be saved if it is less than 5 minutes.
–	Reduce volume.

Key	Description
+	Increase volume.
	Answer calls.
	Hang up.

5.2 Monitoring

5.2.1 Monitoring the VTO

You can monitor the VTO added to the Device.

Prerequisites

The VTO has been added to the Device.

- Digital VTO: Up to 20 digital VTOs can be added. For details about adding, see "4.3.4 Device Setting".
- Modular VTO: Only 1 modular VTO can be connected to the Device through the cable.

Procedure

Step 1 Tap **Door Station** on the home screen.

Step 2 Tap the added VTO to monitor it.

Figure 5-5 Monitor the VTO



- Recent live video: Displays the recent live video records.
- Door 1: The live channel for the modular VTO. If it is in black, it means the modular VTO has not been connected to the Device.
- Main VTO: The live channel for the digital VTO.

Step 3 Monitor the VTO.

Figure 5-6 Monitor the VTO

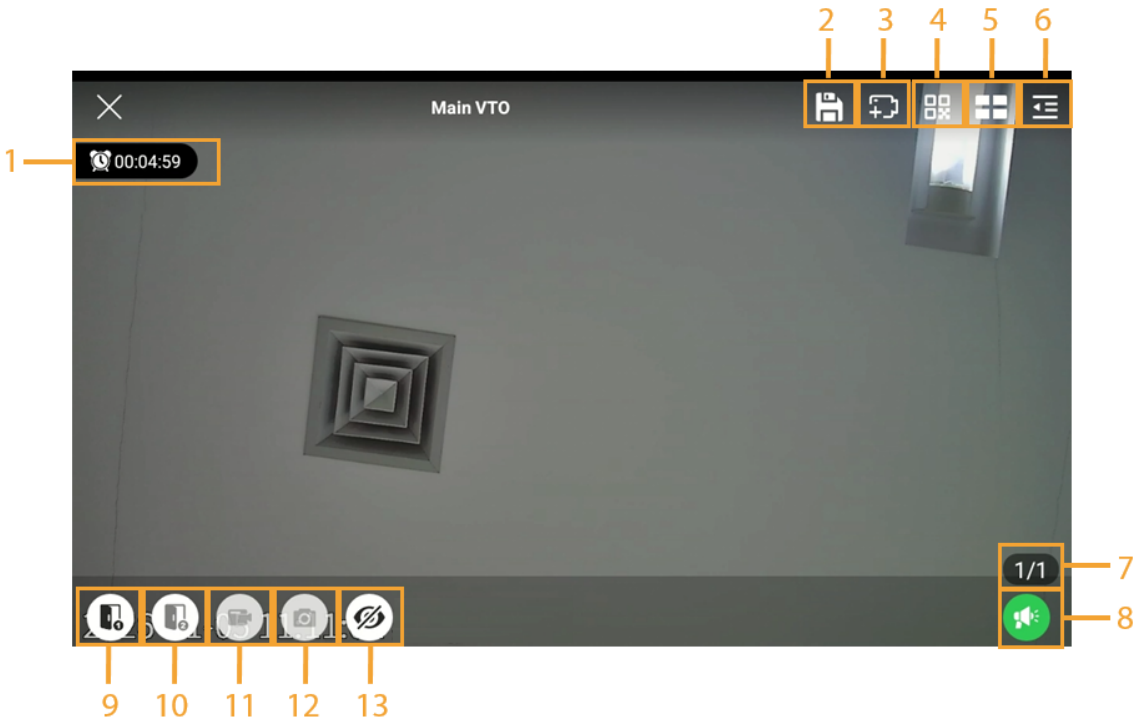


Table 5-2 Description of monitoring the VTO

No.	Description
1	Displays the countdown of monitoring the VTO. Once the time runs up, a prompt will be shown that whether to continue the monitoring. The countdown can be set through > **General** > **Monitoring Duration**
2	Tap it to save the view. Tap and select the view list, or tap **View** tab, and then you can view the saved views. ● When adding a new view, the default name does not conflict with the existing view name. But if you customize the view name as the same as that of the existed one, a prompt will be shown whether the new view will overwrite the existed one. ● Up to 64 views can be saved. ● If the device saved in the view is deleted, the view is also deleted.
3	Tap it to bind the IPC that has been added to the Device. When a call comes from the VTO, the IPC will be displayed in a small window on the screen.

No.	Description
4	Tap it, scan the QR code with the DMSS, and then you can perform monitoring using your phone.
5	Tap it, and then the windows will be split into 4 screens so that you can preview 4 devices at the same time. For details, see Figure 5-7 .
6	Tap it to show the live video list, which will show all devices connected to the Device. You can switch the devices you want to monitor from the list.
7	The first number refers to the sequence of the VTO, while the second number refers to the total number of the VTOs added to the Device. 1/1 means there is one VTO added to the Device and the VTO you are monitoring is the first VTO added to the Device.
8	Tap the icon to enable the talk with the VTO, and then you can configure the talking parameters, such as volume.
9	Tap the icons to unlock. The doors should be configured on the VTO.
10	
11	Tap the icons to make a video record or take a snapshot. • These 2 functions are only available when the SD card is inserted, and the records and snapshots will be saved into the SD card. • You can view the records in "4.7 Viewing Records".
12	
13	Turn off the screen.

Figure 5-7 4 screens operations

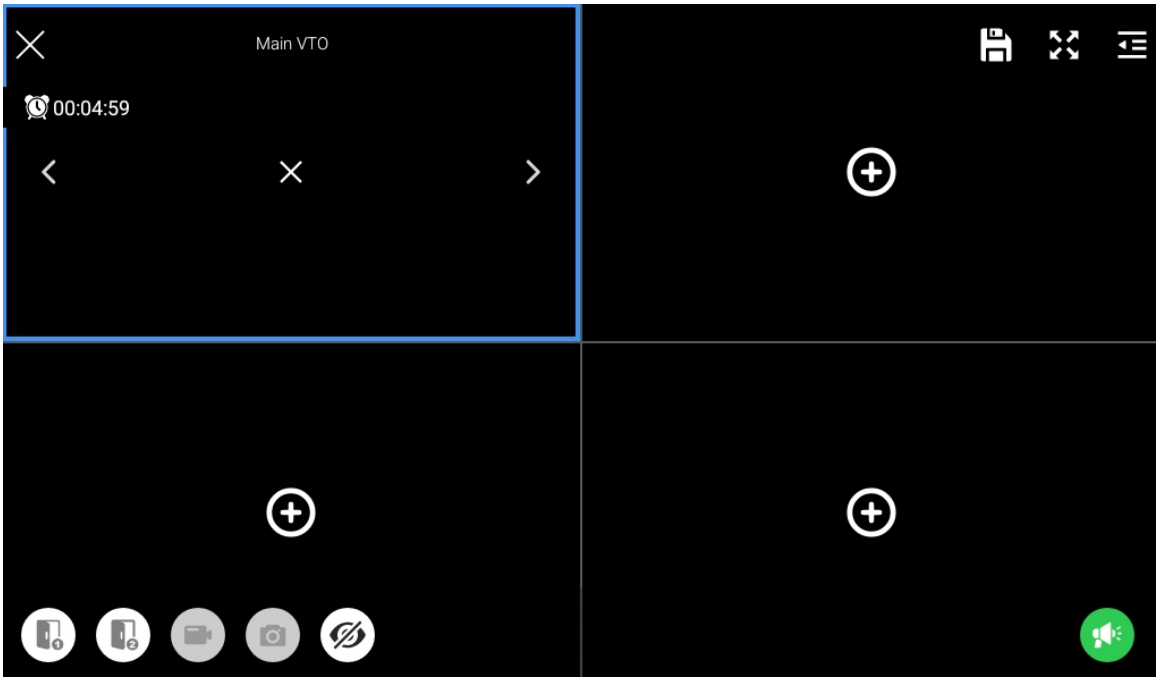


Table 5-3 Description of the 4 screens operations

Icon	Description
	Tap it to save the view. Tap **View** tab, and then you can view the saved views.
	Tap it, and then the windows will return to a whole screen.
/	Extend or hide the live video list.
	Tap it to select the window, tap the device from the live video list, and then the device live video stream will display.
/	Remotely unlock the door where the VTO is installed. The system provides 2-channel unlock. If the icon is gray, it means that the unlock function of this channel is not available.
	Take a snapshot. This key will be gray if SD card is not inserted.

Icon	Description
	Take recording. Complete recording when the call is completed or by tapping the stop icon. ● 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 record will not be saved if it is less than 5 minutes.
	Turn off the screen.
	Tap it to call the device.
Slide right or left	Turn to the next 4-screen.

5.2.2 Monitoring the IPC

You can monitor the IPCs added to the Device. The figure shown below is for reference only, and might differ from the actual device.

Prerequisites

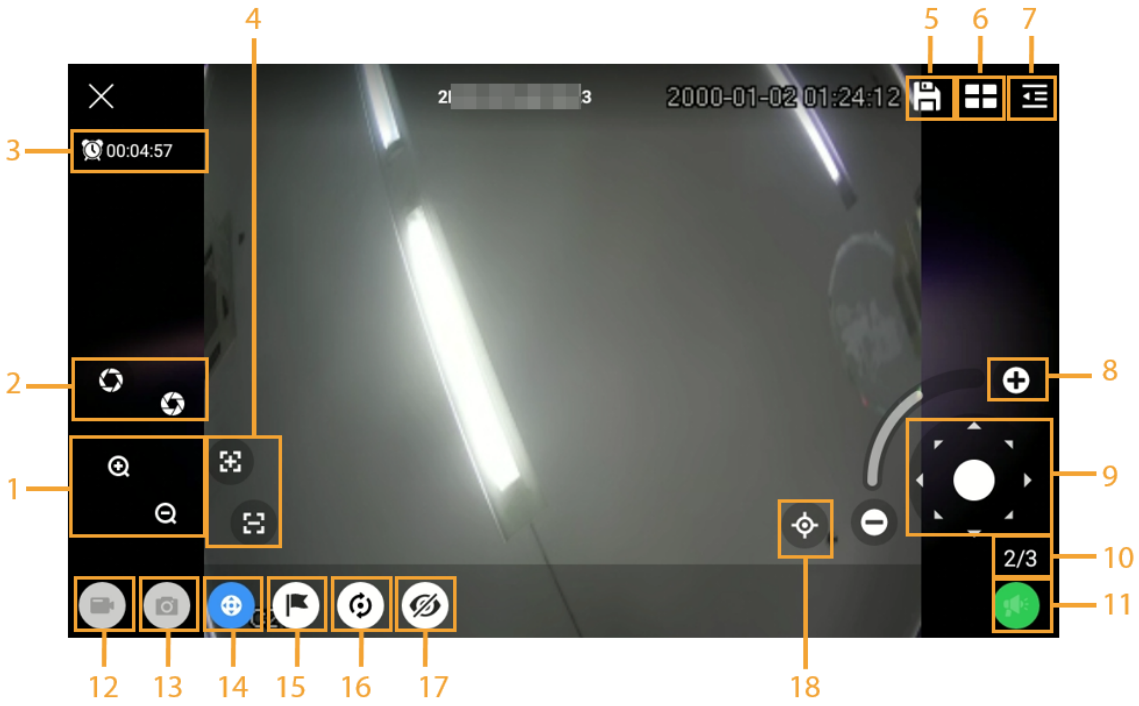
The IPC has been added. For details, see "4.8 Adding IPCs or NVRs".

Procedure

Step 1 Tap **IP Camera** on the home screen.

Step 2 Tap the IPC that you want to monitor.

Figure 5-8 Monitor the IPC



- You can use 2 fingers to pinch or spread on the screen to zoom in/out.
- Slide right or left to change the channel.

Table 5-4 Description of monitoring the IPC

No.	Description
1	Tap or to zoom in or zoom out the lens.
2	Tap or to adjust the aperture.
3	Displays the countdown of monitoring the IPC. Once the time runs up, a prompt will be shown that whether to continue the monitoring. The countdown can be set through > **General** > **Monitoring Duration**.
4	Tap or to adjust the focal length.
5	Tap it to save the view. Tap and select the view list, or tap **View** tab, and then you can view the saved views. - When adding a new view, the default name does not conflict with the existing view name. But if you customize the view name as the same as that of the existed one, a prompt will be shown whether the new view will overwrite the existed one. - Up to 64 views can be saved. - If the device saved in the view is deleted, the view is also be deleted
6	Tap it, and then the windows will be split into 4 screens so that you can preview 4 devices at the same time. For details, see Figure 5-7 .
7	Tap it to show the live video list, which will show all devices connected to the Device. You can switch the devices you want to monitor from the list.
8	Tap or to adjust the step size, which is the adjustment range when adjusting parameters such as zooming in, focal length, aperture, and pan-tilt rotation.
9	Adjust the direction.
10	The first number refers to the sequence of the IPC, while the second number refers to the total number of the IPCs added to the Device. 3/3 means there are 3 IPCs added to the Device and the IPC you are monitoring is the third device added to the Device.
11	Tap the icon to enable the talk with the IPC, and then you can configure the talking parameters, such as volume.

No.	Description
12	Tap the icons to make a video record or take a snapshot. These 2 functions are only available when the SD card is inserted, and the records and snapshots will be saved into the SD card.
13	
14	Tap it to show the camera adjustment parameters.
15	Tap or , select the preset point or tour, and then the IPC will move to the preset or take a tour. • The preset points and tours here are configured on the IPC, and then they automatically synchronize to the Device. • These 2 functions are only available on speed domes.
16	
17	Tap it to turn off the screen.
18	Tap it to restore the original location of the camera. This function is only available for PTZ cameras.

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;
   - Stablish 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).