Appendix:

UI Description for KNX Smart Touch S7_V1.3

Contents

Chapter 1 Introduction

This document is for the UI description of the KNX Smart Touch S7. As an appendix of this product, it is necessary to understand the UI function by the relevant description in the manual of this product. For example, users need to configure specific parameters for the UI page to be presented. Therefore, please refer carefully to the relevant documents and function description before using the product.

The following chapter will introduces the interactive application of each function page of this product in detail.

The main functions of UI are summarized as follows:

- Support vertical or horizontal display via ETS

Note:The function of vertical or horizontal display is only applicable to software version 4.1.0 or above.

- Support multiple screensaver styles, including clock, dial, weather, shortcut, and album screensaver
- Support screen locking
- Support select theme and background
- Support multiple languages
- Supports status bar to show/hide common function status, such as Wi-Fi, Bluetooth, network connection status, microphone status, arming status, timer status, etc.
- Supports switching between multiple function pages through the via navigation bar, such as home page, devices page, scene page, intercom page
- Supports customizing the card type of home page, and the card position of each page can be adjusted

- Supports three kinds of device management: device view, area view,show by building plan, and building plan can be customized
- Supports setting shortcut function page
- Supports setting screen brightness,system volume and system ringtone
- Supports manual enable/disable and adjustment of schedule
- Supports cleaning mode
- Supports enable/disable vibration
- Supports manual enable/disable or adjustment proximity
- Supports changeable temperature unit
- Support checked system information of device

Sections as follow are mainly explained the UI of KNX Smart Touch S7, the horizontal screen is shown in Fig.1 and the vertical screen is shown in Fig.2. The following will take the horizontal screen as an example to illustrate, the operation of the vertical screen is similar to the horizontal screen, , not repeat detailed descriptions here.

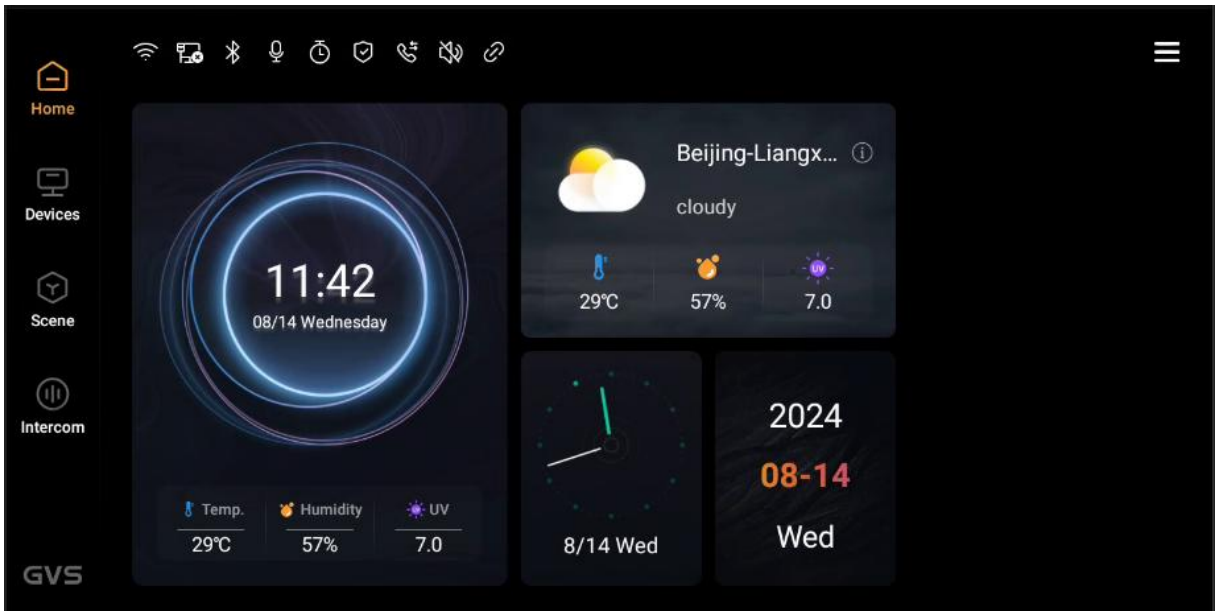


Fig1


GVS
11:28
08/14 Wednesday
Temp.
29℃
Humidity
59%
UV
7.0
Beijing-Liangx...
cloudy
29℃
59%
7.0
8/14 Wed
2024
08-14
Wed
Home
Devices
Scene
Intercom

Fig.2

Chapter 2 Power on guide

After the device is connected to the power supply, it enters the power on guide page, as shown in Figure 2.1, where you can select the device language and network connections.

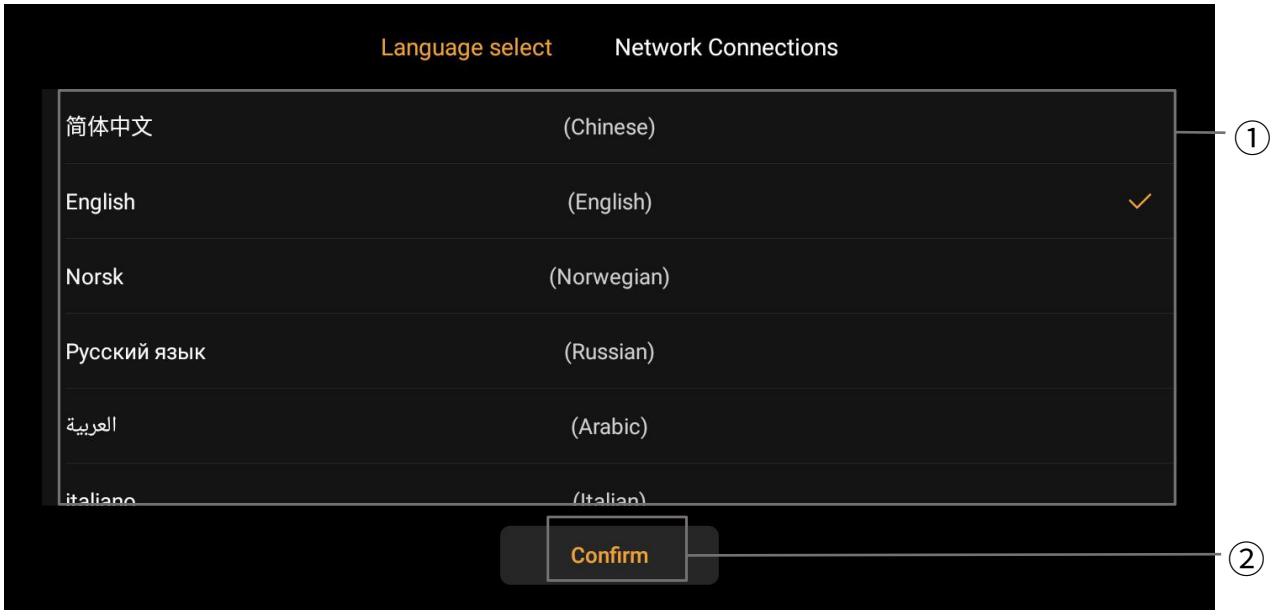


Fig.2.1 Power on guide-language select

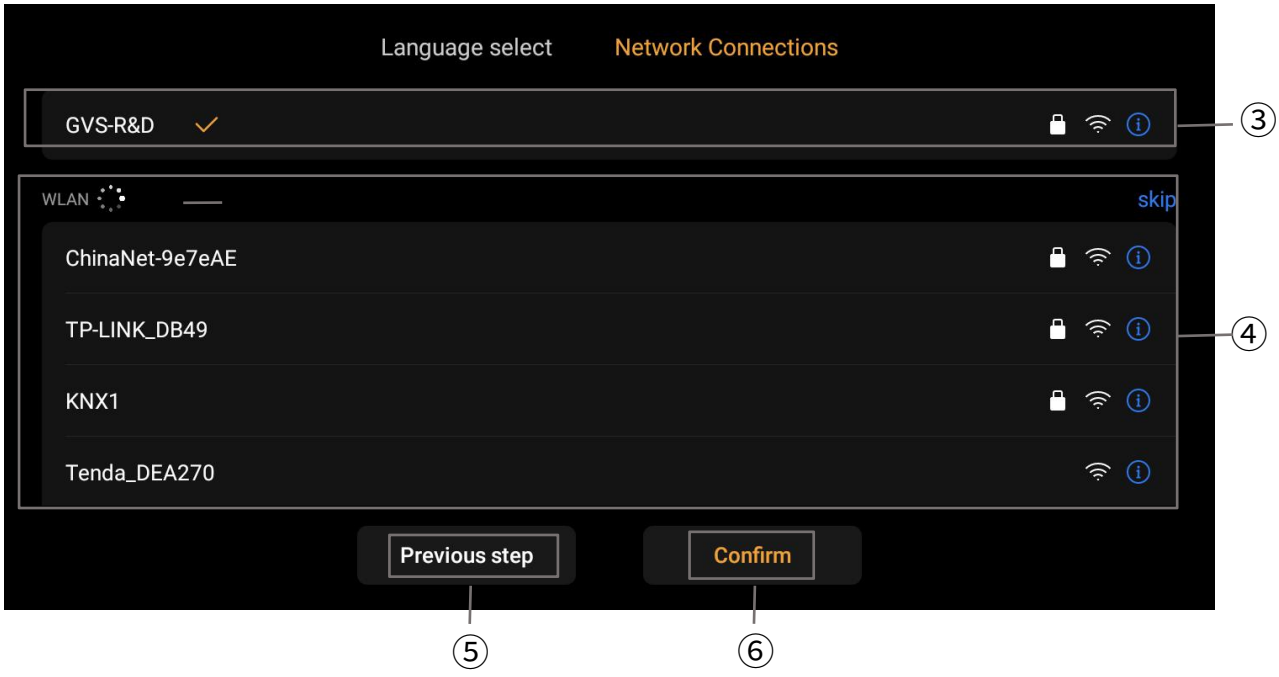


Fig.2.2 Power on guide-privacy agreement

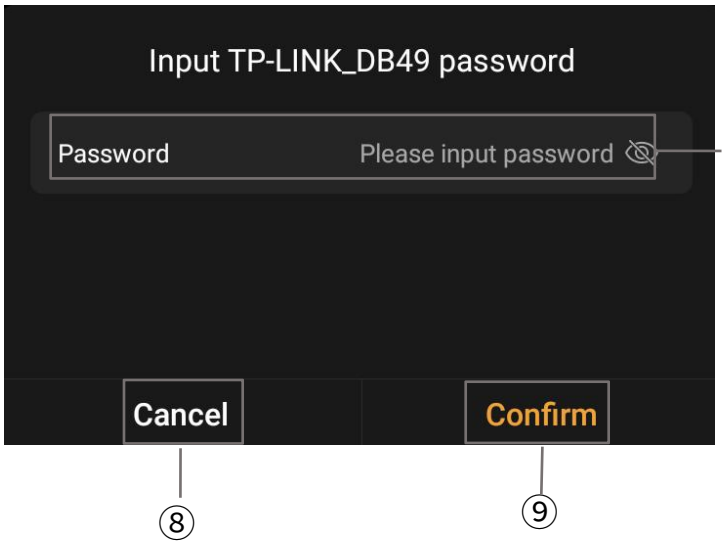


Fig.2.3 Power on guide-input password

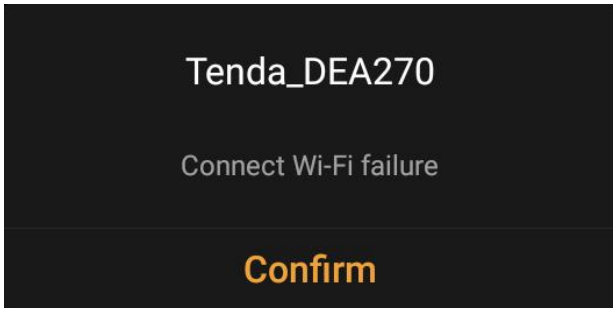


Fig.2.4 Power on guide-add Wi-Fi failure

①Touch to select the device language.

②Touch to confirm the language selected and enter the “network connections” page.

③Displays the connected networks.

④ Display the list of available networks,touch to select the network and pop up a sub-window, as shown in Fig.2.2,enter the correct password to connect the WLAN.

⑤Touch to return to the language selection page.

⑥Touch to enter the default home page of the device.

⑦Touch to input password.

⑧Touch to return to the Network Connections page, as shown in Figure 2.2.

Touch to return to the privacy agreement page.

⑨Touch to confirm input password.

If the password is correct, you will successfully connect to this WLAN.

If the password is wrong, you can't connect to this WLAN, a pop-up sub-window as shown in Figure 2.4, touch "Confirm" to re-enter the password.

Chapter 3 Home page UI Description

3.1. Home page

The home page is the default page that the system enters after booting up, and it is the main page for user interaction. The page card can be customized by the user to add, delete, and adjust the position. The details contents are as follows:

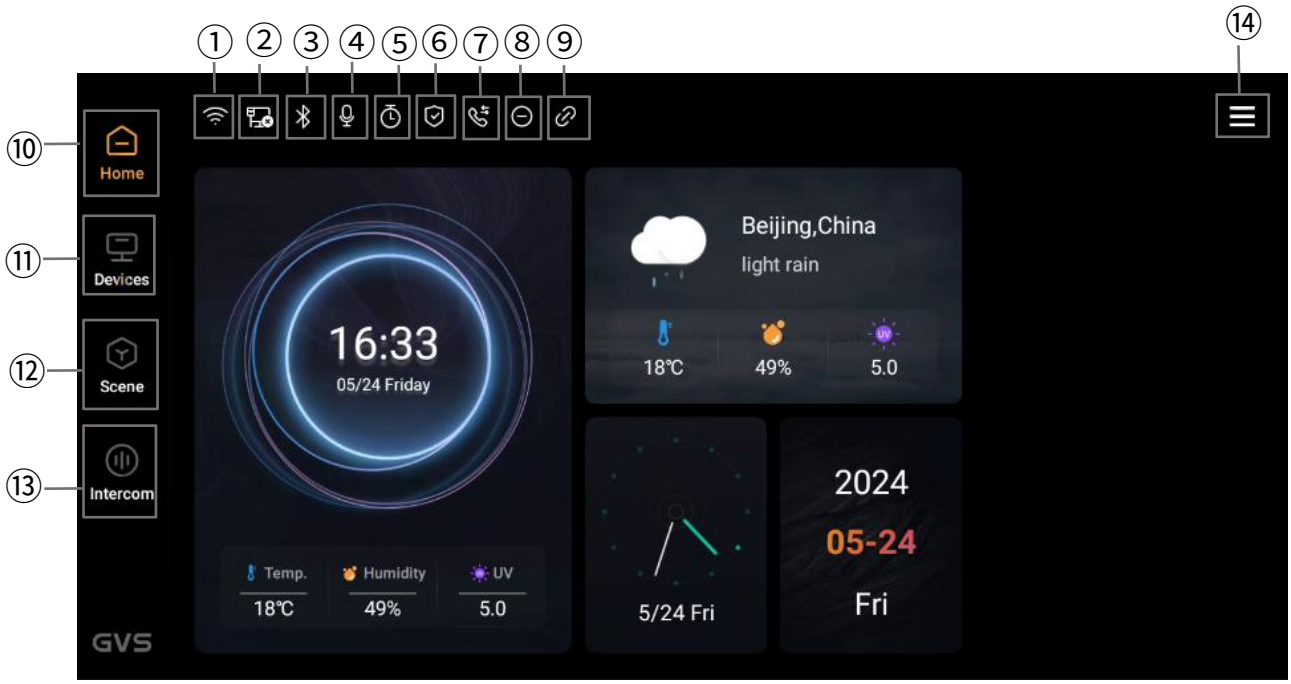


Fig.3.1Home page

①Icon indicate WiFi is connected, Icon indicate WiFi is not connected.

②Icon indicate Ethernet is connected, Icon indicate Ethernet is not connected, Icon indicate network abnormal, Icon indicate IP conflict.

③ Icon indicate Bluetooth is connected, Icon indicate Bluetooth is not connected.

④Icon indicate microphone is turn on, Icon indicate microphone is turn off.

⑤Icon  indicate schedule is enable, absence this icon indicate schedule disable.

⑥Icon  indicate alarm enable, absence this icon indicate alarm disable.

⑦Icon  indicate call forwarding.

⑧Icon  indicate enable the do not disturb,absence this icon indicate disable do not disturb.

⑨Icon  Indicates the device is binding to the app and is successfully connected to the cloud. Icon  Indicates the device is binding to the app but is abnormal connected to the cloud.

⑩Touch enter the home page.

⑪Touch enter the devices page.

⑫Touch enter the scene page.

⑬Touch enter the intercom page.

⑭Touch enter the home page setting,can choose to edit page or add card.

Detail description in chapter 3.1.1 and 3.1.2.

Note: For card functions, please refer to Section 3.2 and Section 4.2.

3.1.1 Edit page

Touch the icon ☰ and select to enter the “Edit page”.As shown in Fig.3.1.1(2).

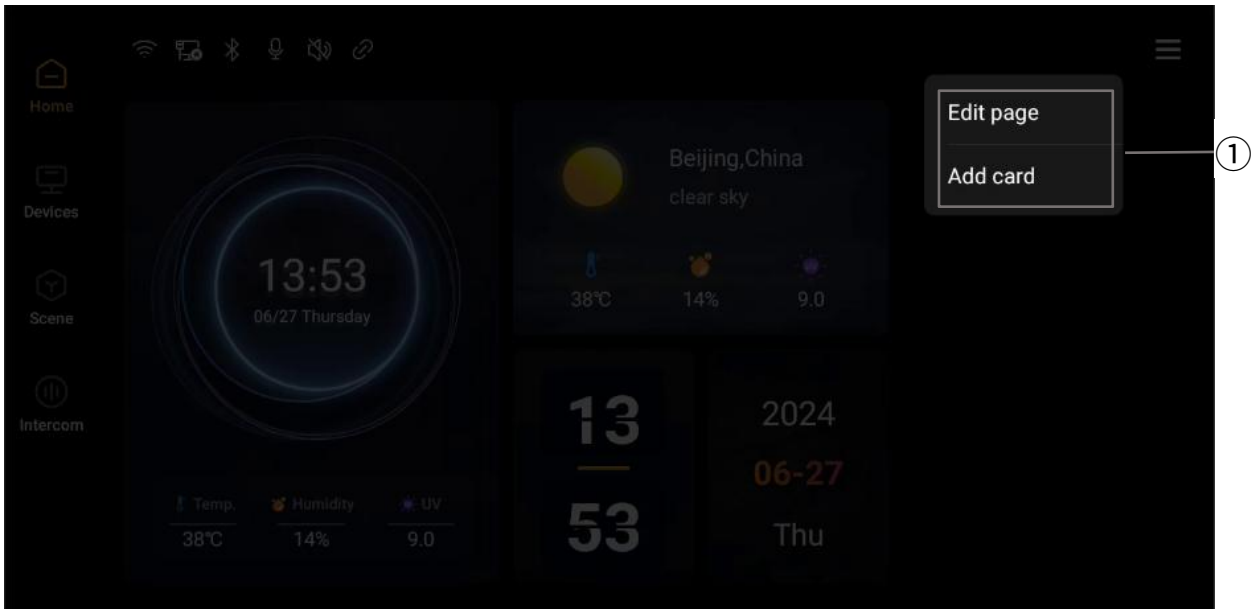


Fig.3.1.1(1)

Fig.3.1.1(2) Edit page

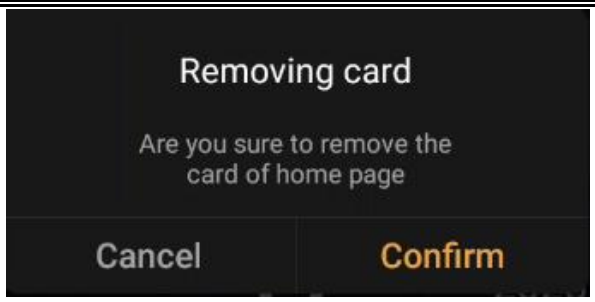


Fig.3.1.1(3)

Removing card：

①Touch to select to enter ”Edit page” or “Add card”.

②Touch pop up a sub-window, as shown in Fig.3.1.1(3),touch to “confirm” and delete this card to be displayed on the home page.

Moving the card position：

Long press on a card to move the card position and swipe left or right to view more.

3.1.2 Add card

Touch the icon  and select to enter the “Add card”.As shown in Fig.3.1.2(1).

Fig.3.1.2(1) Add card

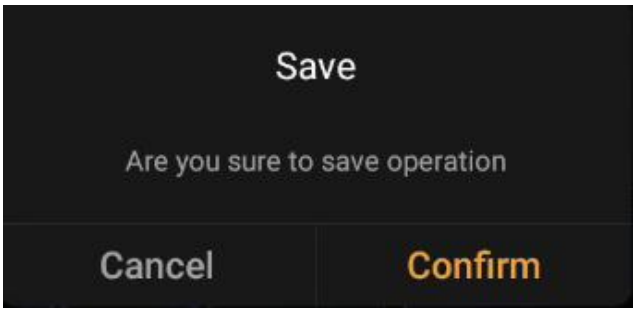


Fig.3.1.2(2)

Add card：

①Touch to switch card categories and find different types of device cards.

② Display the types of cards that can be added under the corresponding device category.

③Touch to cancel the current selection and exit the add card page.

④Touch pop up a sub-window as shown in Fig.3.1.2(2), touch to confirm and add the card to the home page.

3.2 System card

This chapter describes the control interactions of the system cards.The default system cards include general card, weather card, dial card, date card and recently used card. The system cards can be displayed in the home page through the home page-add card.

3.2.1 General card

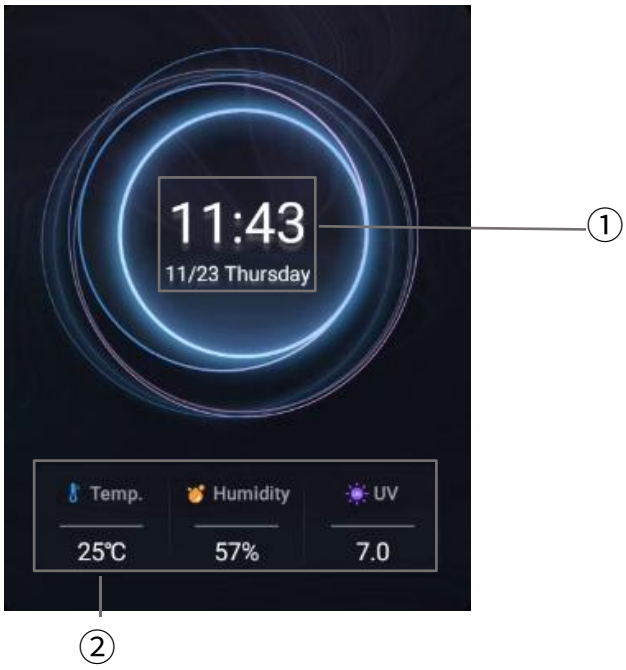


Fig.3.2.1 General card

①Displays the system time and date. The date and time can be modified in the settings page or from the bus. The calendar can be viewed by touch into the Calendar page.

②Displays the current outdoor temperature,humidity and UV. These are available via the web. Touch on the weather details page to view the current and future week's weather and temperature range for your location.

3.2.2 Weather card

Fig.3.2.2(1) Weather card

Fig.3.2.2(2)

①Displays system weather and geographic location. Geographic location can be configured with latitude, longitude and city name via ETS. After binding the APP, it will prioritize using the city name and coordinates provided by the APP to retrieve weather information.

②Displays the current outdoor temperature,humidity and UV. These are available via the web. Touch on the weather details page to view the current and future week's weather and temperature range for your location.As shown in Fig.3.2.2(2).

3.2.3 Dial card

Fig.3.2.3 Dial card

Displays the system time and date. The date and time can be modified in the setup page or from the bus.

Display in the home page,touch the dial card can switch the card style with six styles. As shown in Fig.3.2.3.

3.2.4 Date card

Fig.3.2.4(1) Date card

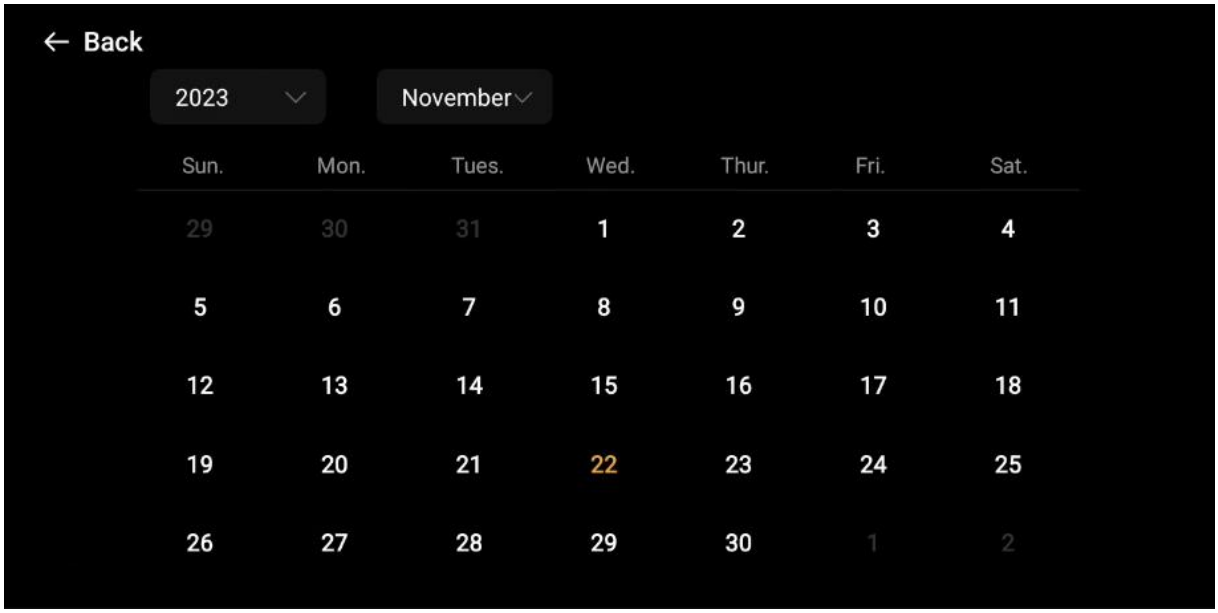


Fig.3.2.4(2)

Displays the system time and date. The date and time can be modified in the setup page or from the bus. The calendar can be viewed by touch into the Calendar page,as shown in Fig.3.2.4(2).

3.2.5 Recommendation card

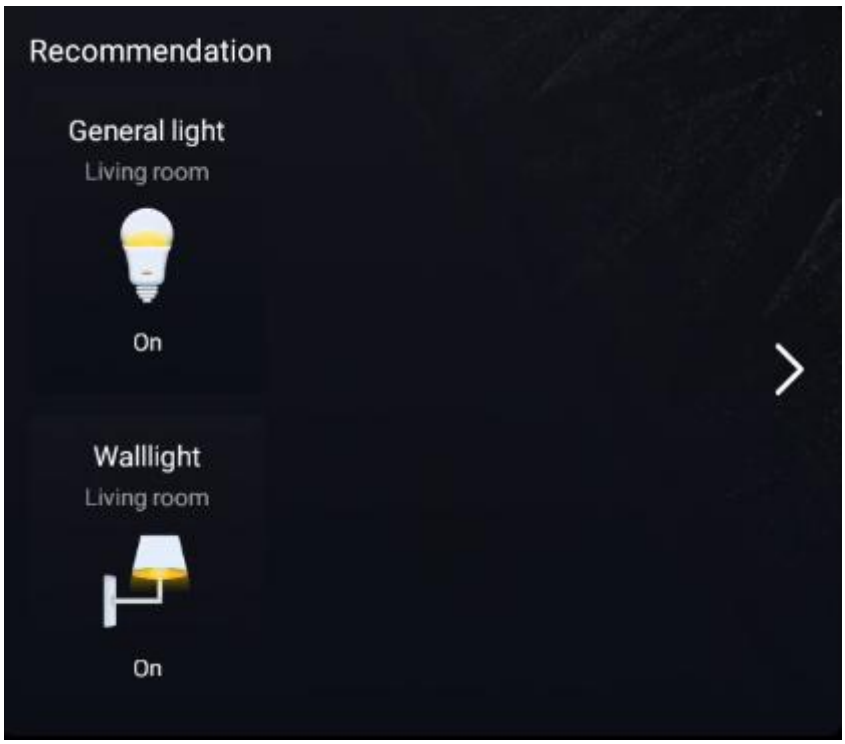


Fig.3.2.5 Recommendation card

Display the recommendation cards of the devices.which can automatically filter out the recently used card according to the frequency and number of times. Devices in the recommendation card can also be directly controlled, call up the control sub-window and other operations.

Chapter 4 Device page UI Description

4.1 Device page

The device page shows all the device cards of the home, you can swipe left or right to view more. The page default to displaying by device view, touch the icon  to switch the page display, you can choose to device view,area view or shown by building plan.

4.1.1 Device view

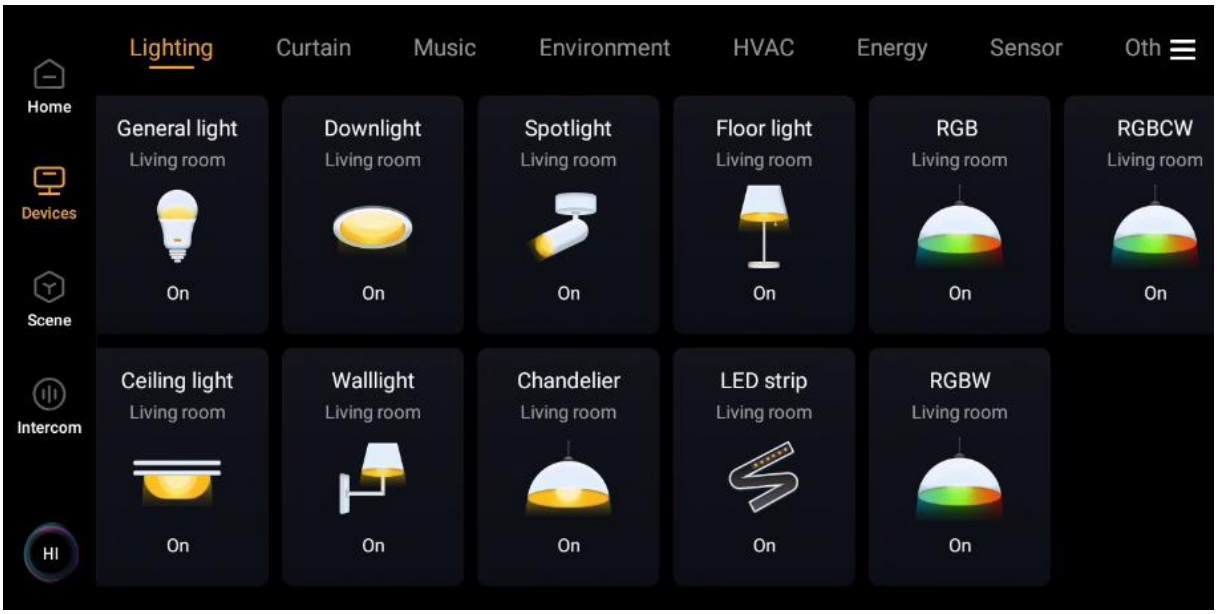


Fig.4.1.1 Device page_device view

(1)On the categorize by device view,swipe left or right on the title bar at the top of the screen to switch the display of different device categories, such as lighting,curtain,music, environment, HVAC,energy,

sensor and other devices.

(2)Touch the icon  and select the “Edit page” to enter the editing mode,long press the card to move the card position.

Touch the card to operate the corresponding device function, detail operation in chapter 4.2.

4.1.2 Area view

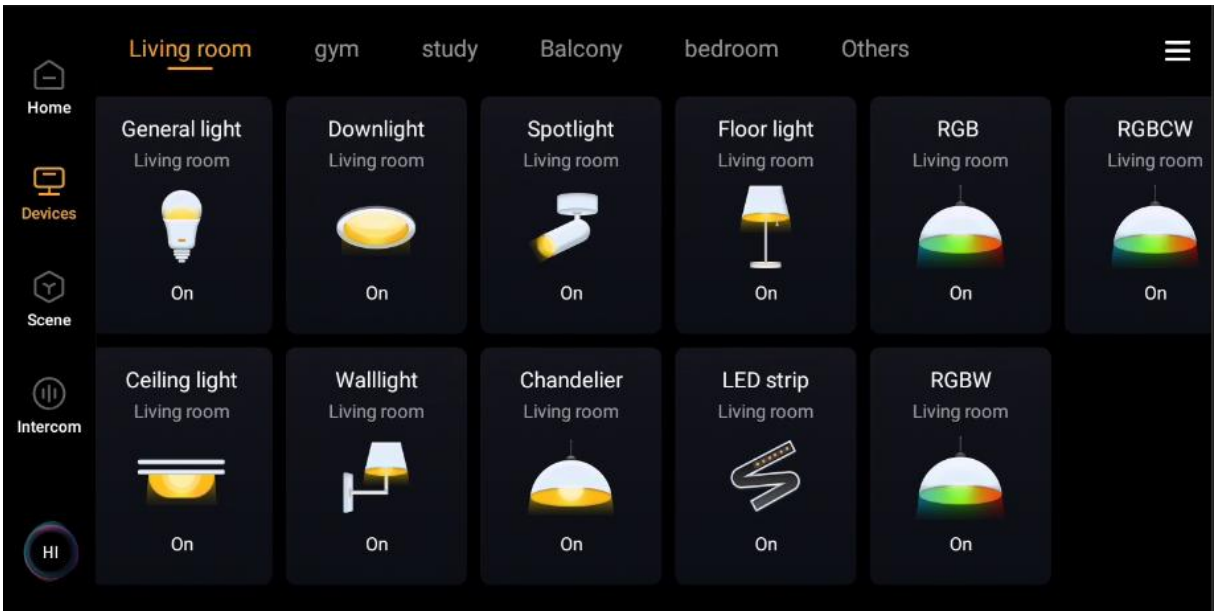


Fig.4.1.2 Device page_area view

(1)On the categorize by area view,swipe left or right on the title bar at the top of the screen to switch the display of different area categories,such as living room,gym,study,balcony bedroom and others area. Configure.the device's assigned area according to ETS.

(2)Touch the icon ☰ and select the “Edit page” to enter the editing mode,long press the card to move the card position.

Touch the card to operate the corresponding device function, detail operation in chapter 4.2.

4.1.3 Show by building plan

Show by building plan is to provide users with a more intuitive way of control, users can according to their home layout, split the home into different areas, such as the first floor, the second floor ....., and add the corresponding equipment for each area, in order to more intuitive control of the equipment in the relevant area.The following is a two-part introduction to the building plan control and edit building plan :

4.1.3.1 Building plan control

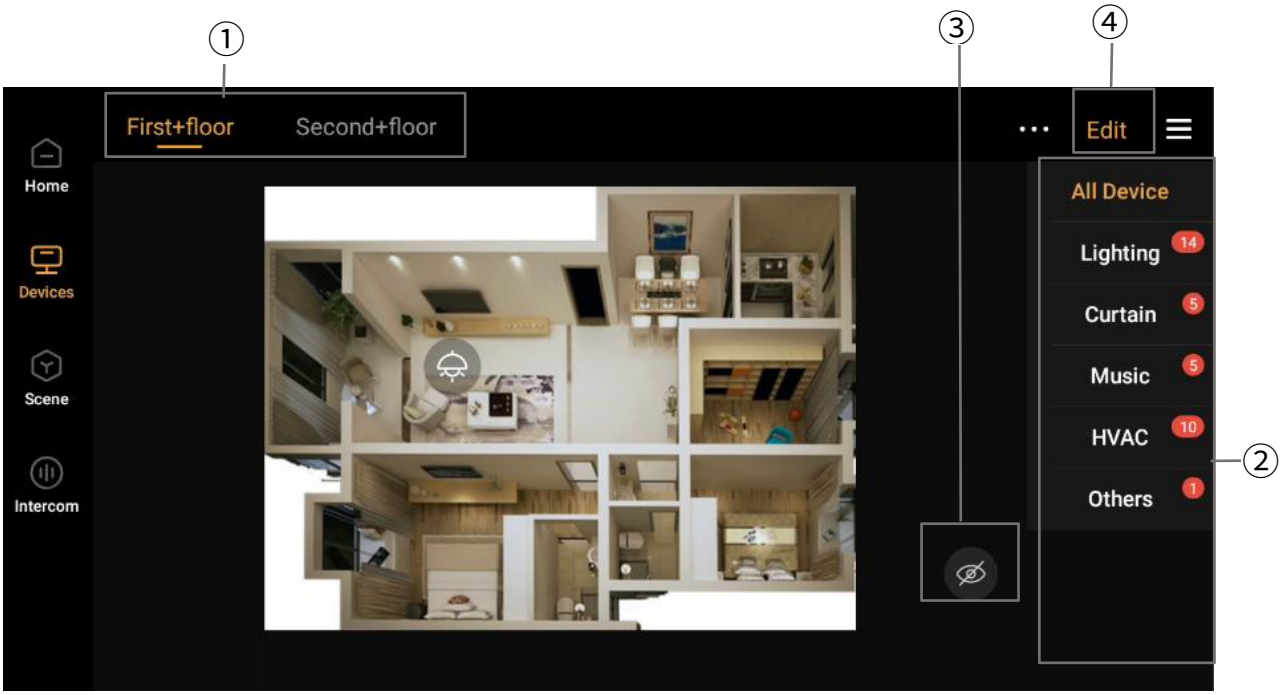


Fig.4.1.3.1 Building plan control

(1)To add the number of area and the building plan for each area, detail operation in chapter 8.15.

(2)Enter the building plan control page to display the device icon in the form of building plan.

①Touch on the corresponding area to enter the corresponding control page.Swipe left

/right or touch the icon  to select the area you want to control .

②Filter the range of devices to be controlled by device category and swipe up and down to select different device types.

Touch the corresponding equipment icon on the building plan, you can control the equipment switch or call the equipment control page to realize the equipment control control function.

③Display or hide the name under the device icon.

Icon  indicate display the device name,Icon  indicate hide the device name.

④Touch the "Edit" button to enter the edit building plan mode, detail operation in chapter 4.1.3.2.

4.1.3.2 Edit building plan page

Touch the icon  to enter the editing mode, as shown in Fig.4.1.3.2. The detail operations are as follows:

Fig.4.1.3.2 Edit building plan

①Swipe left or right to switch the different building plan and edit,such as the first floor, the second floor .....

② Touch to switch between different device types and position ③ displays the equipment belonging to the corresponding category.The red dots mark the number of this category without placed on the building plan.

③Displays a list of ② categorized devices, touch the device can be added to the building plan.Press the icon can be dragged to any position in the building plan.

Delete a device in a house plan: Select the device on the building plan and drag it down.

④Display or hide the name under the device icon.

Icon  indicate display the device name.Icon  indicate hide the device name.

⑤Touch the “Done” button to save the edits and return building plan control page.

4.2 Device card

This chapter describes the control interactions of the device card.

4.2.1 Switch function

The switch function card display device name,belonging area, device icon and switch status. Touch on the card to turn on/off the lamp, and the card style will display the corresponding on/off status. At the same time, the display can be updated according to the switching status feedback from the bus. The card icon can be configured by ETS, and the display status of different icons, as shown in Fig.4.2.1(1) ,Fig.4.2.1(2).

Fig.4.2.1(1) Turn on the lamp

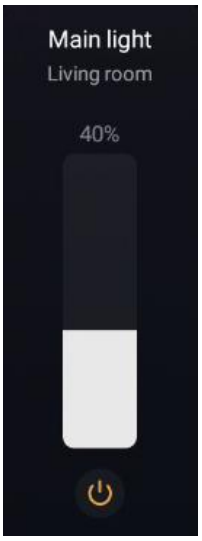
Fig.4.2.1(1) Turn off the lamp

4.2.2 Dimming function

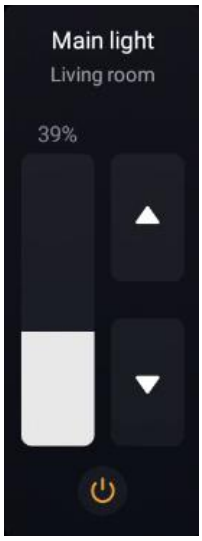
Dimming function with 4 control types, including relative dimming,brightness dimming, relative+brightness dimming, brightness+colour temperature dimming function,configured by parameters.The card displays information such as device name, belonging area, device icon, switch and brightness status. Touch the card to perform the operation of on/off lamp, brightness,color temperature adjustment, and the card style will display the corresponding on/off lamp, brightness,color temperature status. As shown in Fig.4.2.2(1).

Relative dimming has no individual control page, dimming via operate the icon. Short press to switch on/off, icon on indicates the lamp to turn on, icon off indicates the lamp to turn off. Long press to send the command to increase or decrease brightness, long press then release to send the command to stop dimming.

Long press the card or touch the device name area,pop up the detailed operation page,brightness dimming as shown in Fig.4.2.2(2),relative + brightness dimming as shown in Fig.4.2.2(3),brightness + color temperature dimming as shown in Fig.4.2.2(4).



Brightness



Relative + brightness

Brightness+color temperature

Fig.4.2.2(1) Dimming function

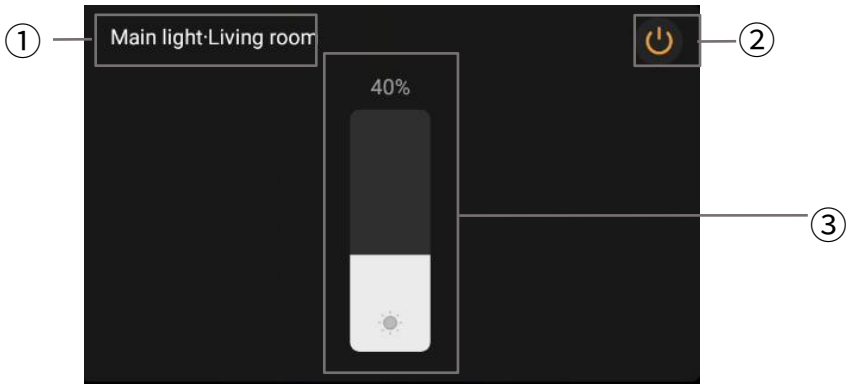


Fig.4.2.2(2) Brightness dimming

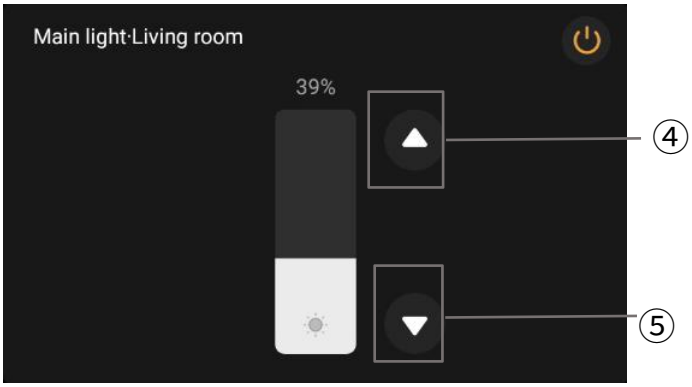


Fig.4.2.2(3) Relative + brightness dimming

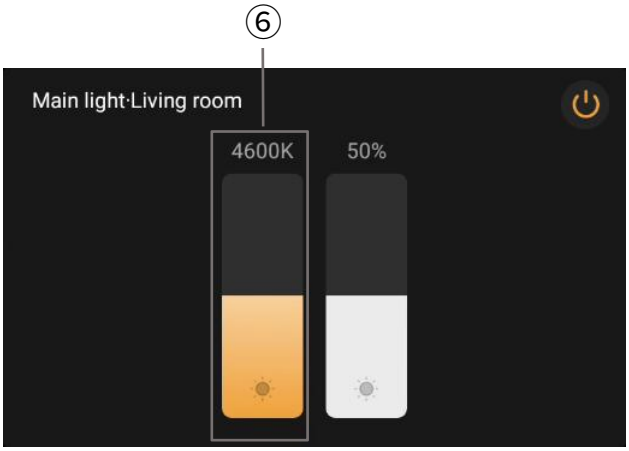


Fig.4.2.2(4) Brightness+color temperature dimming

① Displays the device name and belonging area,descriptions can be customized through ETS.

②This icon is a switch button for control on/off the device.

Icon  indicate turn on lamp.

Icon  indicate turn off lamp.

③ Adjust the brightness in the way of percentage by sliding this slider.At the same time, the slider status can also be updated according to the brightness feedback received from the bus.

④ Adjust the brightness in the way of relative dimming by touching this icon, long press to send 100%, long release to send stop dimming command. Short press only to dim 100%.

⑤ Adjust the brightness in the way of relative dimming by touching this icon, long press to send 0%, long release to send stop dimming command. Short press only to dim 0%.

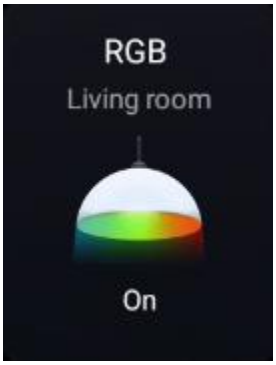
⑥Adjust the colour temperature in the way of sliding this slider.The adjustment range for each touch is 100K. The maximum range for colour temperature adjustment is 2000~7000K, the range can be modified by the parameters.At the same time, the slider status can also be updated according to the colour temperature feedback received from the bus.

4.2.3 RGB dimming function

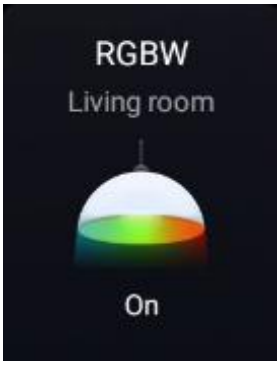
The RGB dimming function card is a 1x1 card with 3 control types: RGB dimming, RGBW dimming and RGBCW dimming,configured by parameters. Among them, RGB is suitable for adjusting RGB lamp.RGBW is suitable for controlling RGBW strip.RGBCW is suitable for RGB lamp,brightness and colour temperature.

The card displays information such as device name, belonging area, device icon, switch status.Touch the card to perform the operation of on/off RGB lamp and the card style will display the corresponding on/off RGB lamp status. As shown in Fig.4.2.3(1),Fig.4.2.3(2).

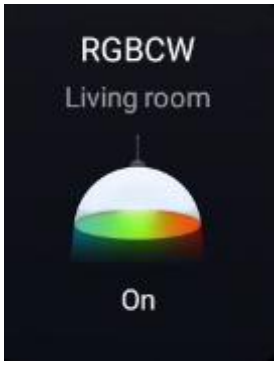
Long press the card or touch the device name area,pop up the detailed operation page,RGB dimming as shown in Fig.4.2.3(3),RGBW dimming as shown in Fig. 4.2.3(4),RGBCW dimming as shown in Fig.4.2.3(5).



RGB



RGBW



RGBCW

Fig.4.2.3(1) Turn on the RGB lamp

RGB RGBW RGBCW

Fig. 4.2.3(2) Turn off the RGB lamp

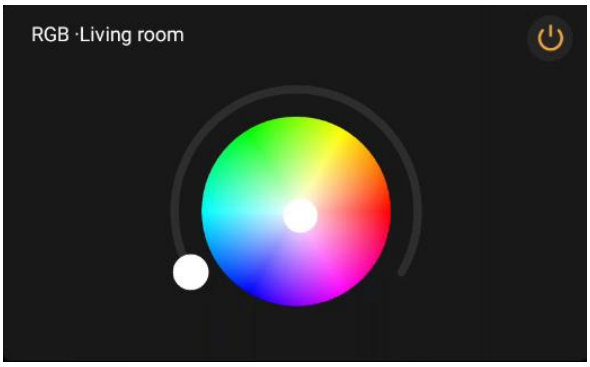


Fig.4.2.3(3) RGB dimming

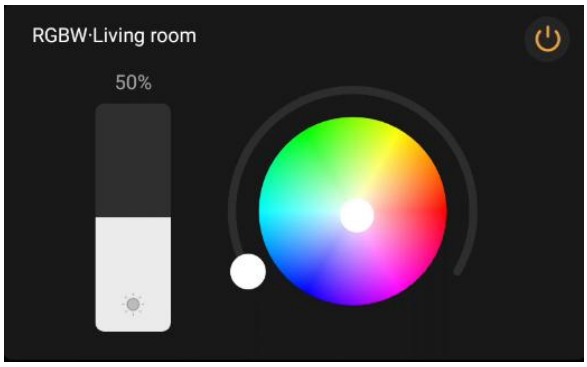


Fig.4.2.3(4) RGBW dimming

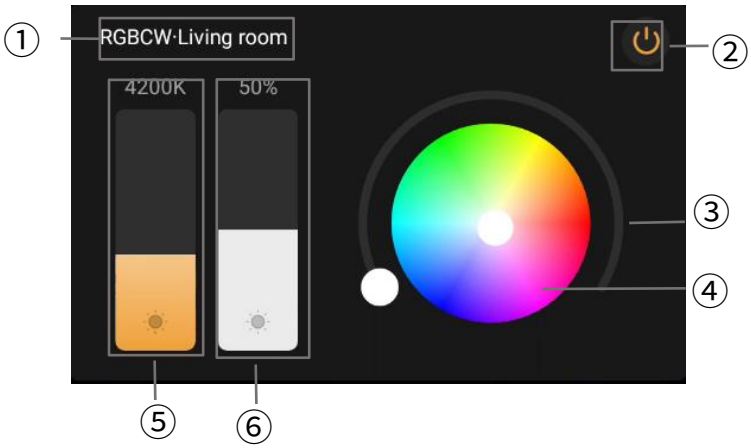


Fig.4.2.3(5) RGBCW dimming

① Displays the device name and belonging area,descriptions can be customized

through ETS.

②This icon is a switch button for control on/off the device.

Touch this icon to switch on/off, the lamp is turned on or turn off.

Icon  indicate turn on RGB/RGBW/RGBCW lamp, the screen can be operated.

Icon  indicate turn off RGB/RGBW/RGBCW lamp.

Touch the icon to turn off, the status of different RGB lamps are as follow:

(1)RGB：Colour brightness value (ring slider③) is updated to 0, and the colour palette ④ remains the same.

(2)RGBW：Colour brightness value (ring slider③) and white brightness value(slider⑥) are updated to 0, and the colour palette④ remains the same.

(3)RGBCW：Colour brightness value (ring slider③) and colour temperature brightness value(slider ⑤) are updated to 0, and the colour palette ④ and colour temperature value(ring slider⑤) remain the same.

When RGB or W colour value is not 0 (i. e., ring slider ③ is not slid to the left bottom or slider ⑥ is not slid to the left), icon ② will be on.

③This ring slider is used to adjust the colour shade of the RGB lamp.

④This icon is the colour palette.

When RGB dimming function is configured as RGB, devices page as shown in Fig.4.2.3(3). Sliding ring slider ③ to adjust the colour shade of RGB lamp, when ring slider ③ at the left bottom, RGB lamp is completely OFF, at this time, the button ②become gray, but colour palette ④ is operate.

When RGB value of ring slider ③ is not 0, the circular colour palette is for selecting colour, when touch the button ②, RGB lamp off, and ring slider③ automatically slides to the left bottom, button② and card become gray.

When RGB dimming function is configured as RGBW, as shown in Fig.4.2.3(4),the device page is similar to RGB page ,not described here

⑤This ring slider is to adjust the colour temperature of RGB lamp.

colour temperature control page shown as Fig.4.2.3(5), by sliding the ring slider ⑤,he maximum threshold range of colour temperature slider ⑤, and the adjustment range for each touch are configured via ETS.

⑥This slider for adjusting the brightness of white light, sliding the slider to adjust the brightness effect of white light.

When RGB dimming is configured as RGBW or RGBCW,slide the slider ⑥ to adjust the brightness of white light, and the operation is similar to the ring slider ⑤ when slider ③ is slid to the left, which is no longer described herein.

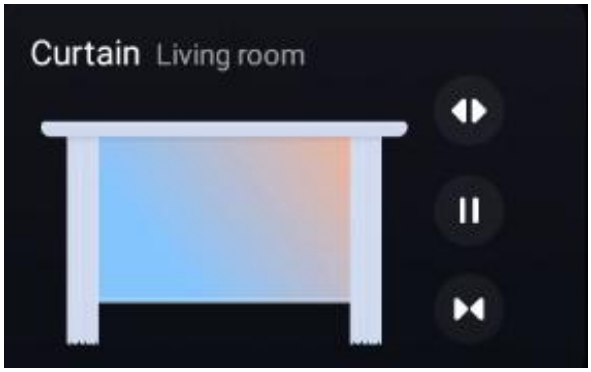
When RGB dimming is configured as RGBCW, the device page is similar to RGB function, shown as Fig.4.2.3(5), but more a brightness and colour temperature slider.

4.2.4 Curtain function

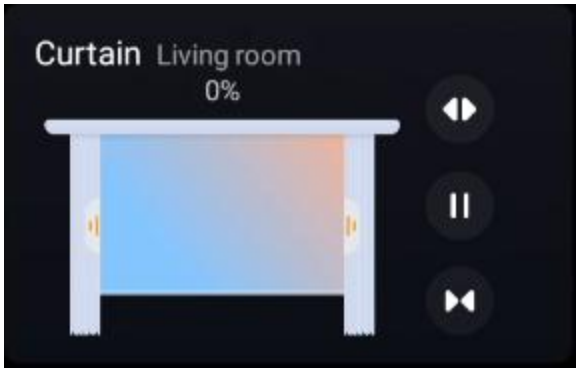
The curtain function card is a 1x1 card with 5 control types: curtain step/move、roller blind step/move、curtain position、roller blind position and Venetian blind position and slat, configured by parameters. In the UI page, the current position status of the curtain with position adjustment is displayed on the icons, which needs to be displayed based on the position of the curtains that is fed back from the curtain actuator received on the bus.

The card displays information such as device name, belonging area, device icon, curtain position.Touch the card to adjust the curtain position and the card style will display the corresponding curtain position. As shown in Fig.4.2.4(1).

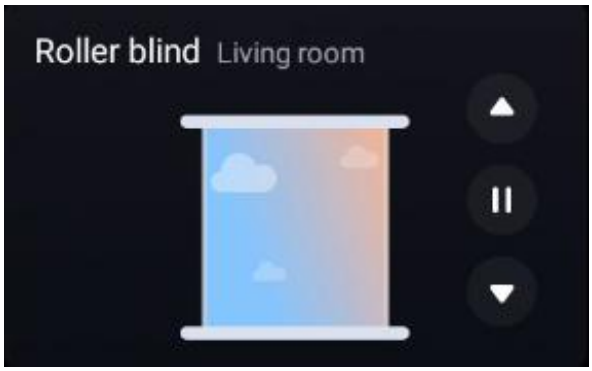
Long press the card or touch the device name area,pop up the detailed operation page,curtain as shown in Fig.4.2.4(2),Fig.4.2.4(3),roller blind as shown in Fig.4.2.4(4), Fig.4.2.4(5),Venetian blind as shown in Fig.4.2.4(6).



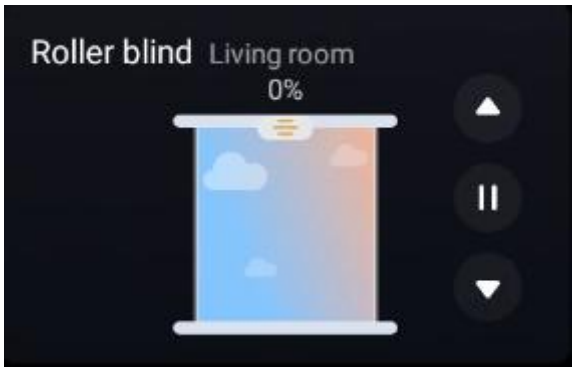
Curtain step/move



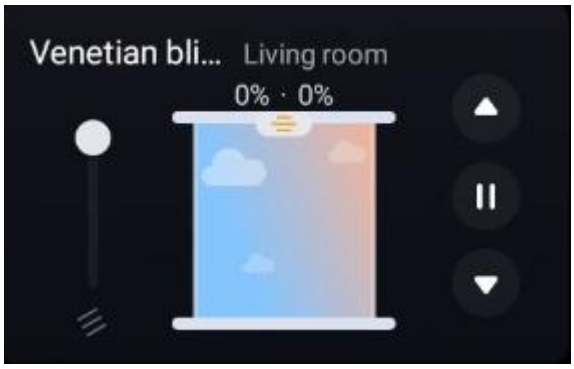
Curtain position



Roller step/move



Roller position



Venetian blind position and slat

Fig.4.2.4(1)

Curtain step/move：supporting to operate by three control button: open curtain, close curtain, stop moving. The control page of Curtain step/move is shown in Fig.4.2.4(2) below.

Curtain position：supporting to adjust the position of curtain by sliding the icon block in the form of percentage as well as operate by three control button: open curtain, close curtain, stop moving. The control page of Curtain position is shown in Fig.4.2.4(3) below.

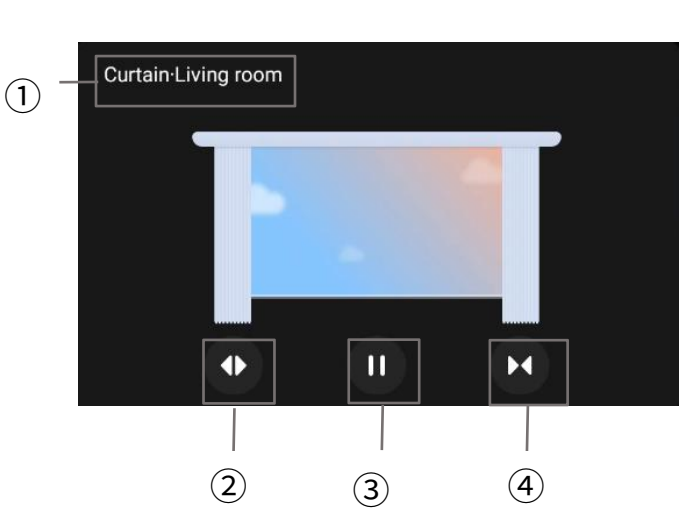


Fig.4.2.4(2) Curtain step/move

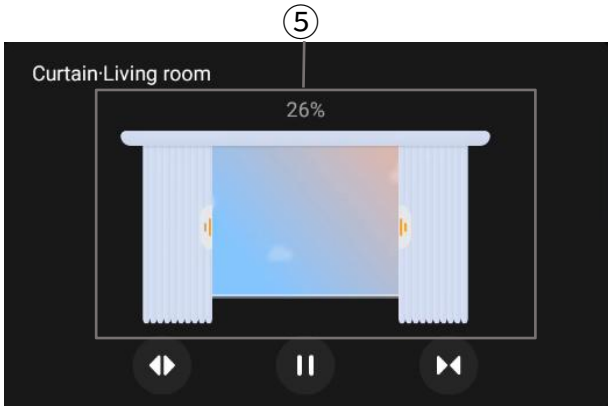


Fig.4.2.4(3) Curtain position

① Displays the device name and belonging area,descriptions can be customized through ETS.

②Touch the icon to open the curtain.

③Touch the icon to stop moving.

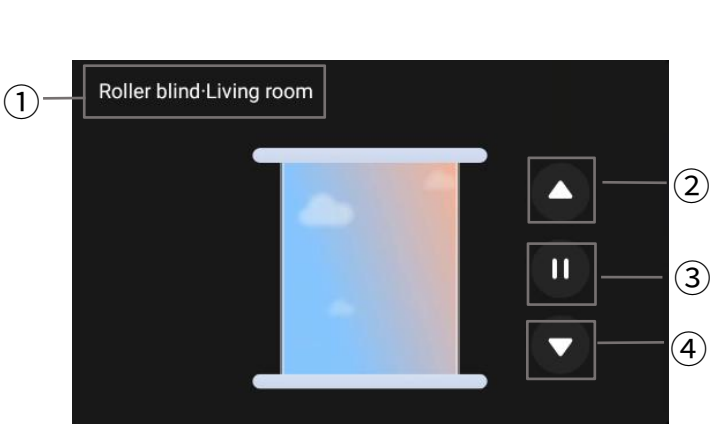
④Touch the icon to close the curtain.

⑤Displays and control the curtain position,display the current curtain position in the form of percentage above the icon block.

By sliding the slider ② or touch the icon ②,icon ④ to adjust the position of curtain and icon ④ will dynamically simulate the opening and closing behavior of curtains.At the same time, the status of icon ⑤ will also update according to the curtain position status feedback received from the bus.

Roller blind step/move： supports moving up, moving down and stop moving by manipulating three controlling buttons. The control page of Roller blind step/move function is shown in Fig. 4.2.4(4) below.

Roller Blind position：supporting to adjust the position of blinds by sliding the slider in the form of percentage as well as moving up, moving down and stop moving by manipulating three controlling buttons. The control page of Roller Blind position function is shown in Fig. 4.2.4(5) below.



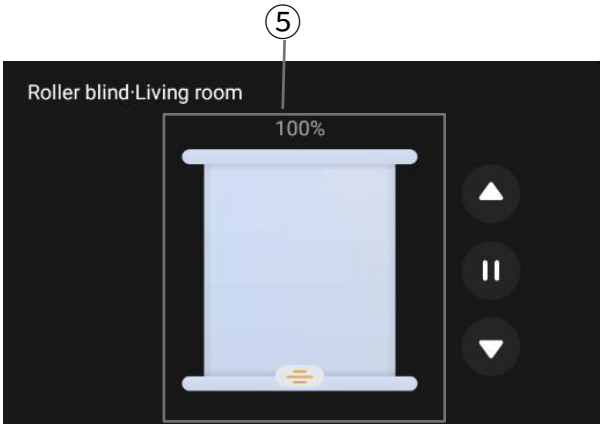


Fig.4.2.4(4) Roller blind step/move

Fig.4.2.4(5) Roller Blind position

① Displays the device name and belonging area,descriptions can be customized through ETS.

②Touch the icon to moving up the roller blind.

③Touch the icon to stop moving.

④Touch the icon to moving down the roller blind.

⑤Displays and control the roller position,display the current roller position in the form of percentage above the icon block.

By sliding the roller or touch the icon ②,icon ④ to adjust the position of roller and

icon ④ will dynamically simulate the opening and closing behavior of roller.At the same time, the status of icon ⑤ will also update according to the roller position status feedback received from the bus.

Venetian Blinds position and slat: supporting to adjust the position of blind and angle of louver by sliding the slider in the form of percentage as well as operate by three control button:moving up, moving down and stop moving. The control page of Venetian Blinds position and slat function is shown in Fig.4.2.4(6) below.

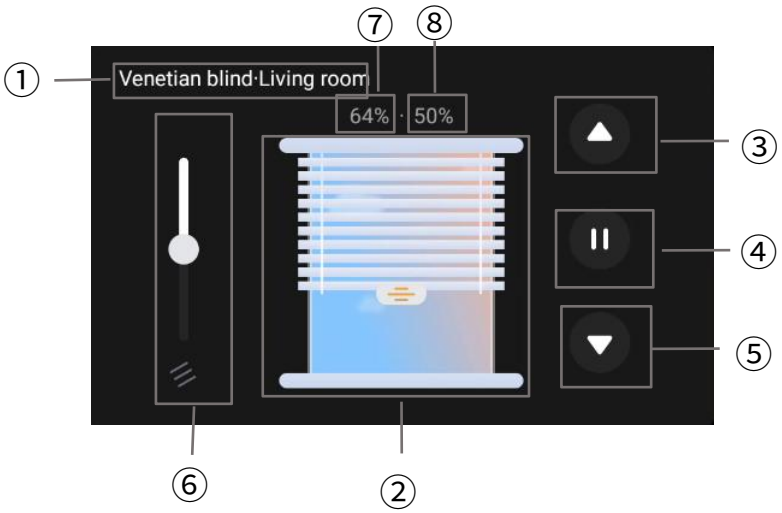


Fig.4.2.4(6) Venetian blinds position and slat

① Displays the device name and belonging area,descriptions can be customized through ETS.

② Displays and control the Venetian blinds position and slat,display the current Venetian blinds position and slat in the form of percentage above the icon block.

By sliding the Venetian blinds or touch the icon ③,icon ⑤ to adjust the position of Venetian blind and icon ② will dynamically simulate the opening and closing behavior of

Venetian blind.At the same time, the status of icon ② will also update according to the Venetian blind position status feedback received from the bus.

③ Short press the icon to moving up the Venetian blinds, long press to stop moving/adjust the Venetian blinds angle up.

④Touch the icon to stop moving.

⑤ Short press the icon to moving down the Venetian blinds, long press to stop moving/adjust the Venetian blinds angle down.

⑥This icon is the slider icon of louver angle.

⑦Display the position of the Venetian blinds as a percentage.

⑧Displays the slat of the Venetian blinds as a percentage.

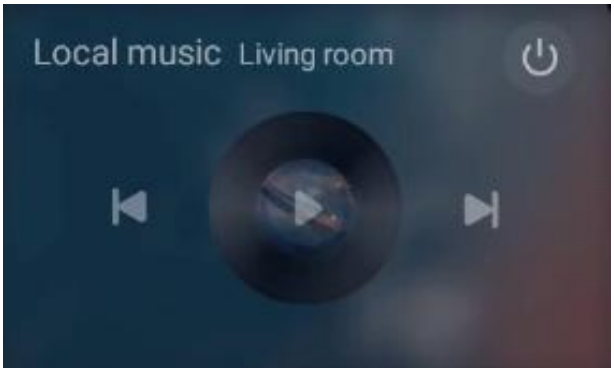
4.2.5 Audio control function

Dimming function with 5 control types,including audio control,audio control(with on/off),audio control(play mode),audio control(track information),and audio control(track information & playlist),configured by parameters.You can set the on/off,volume,play mode, and display information of the music device.

The card displays information such as device name, belonging area,device icon, switch status and track information.Touch the card to turn on/off the music device and switch track and the card style will display the corresponding music device on/off status and track information.As shown in Fig.4.2.5(1).

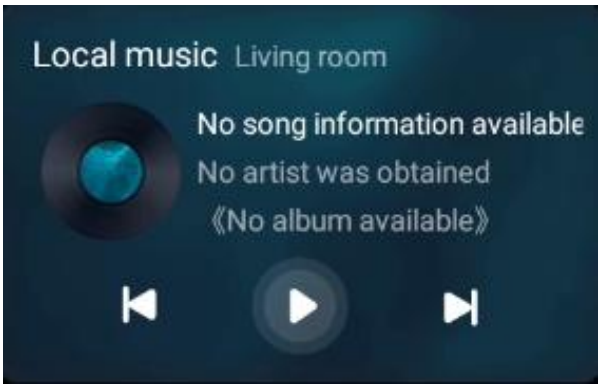
Long press the card or touch the device name area,pop up the detailed operation page,audio control as shown in Fig.4.2.5(2),audio control(with on/off) as shown in Fig.4.2.5(3),audio control(play mode) as shown in Fig.4.2.5(4),audio control(track information) as shown in Fig.4.2.5(5),audio control(track information & playlist) as shown in Fig.4.2.5(6).

Audio control

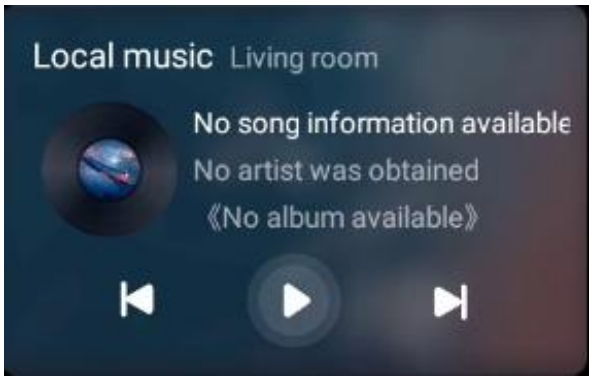


Audio control(with on/off)

Audio control(play mode)



Audio control(track information)



Audio control(track information & playlist)

Fig.4.2.5(1)

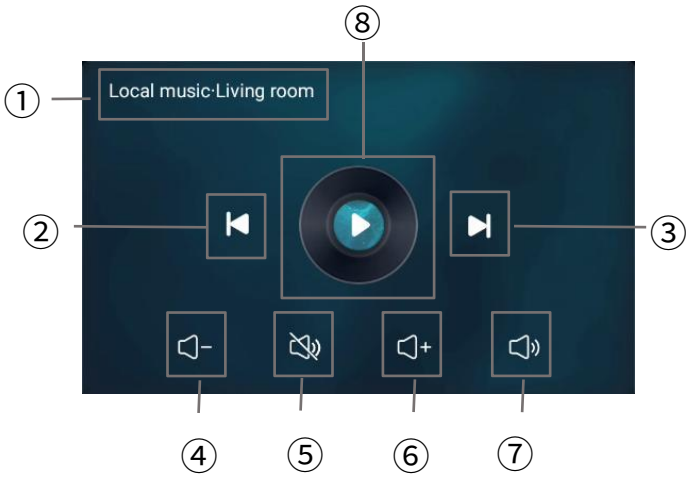


Fig.4.2.5(2) Audio control

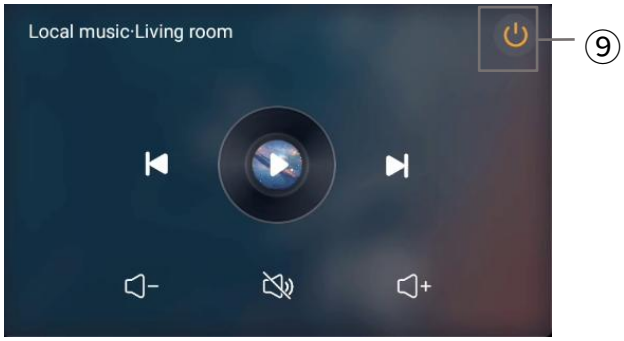
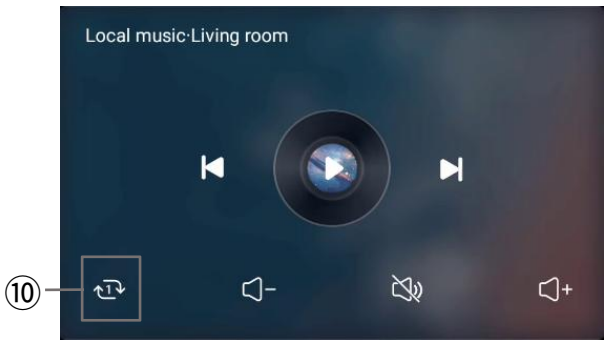


Fig.4.2.5(3) Audio control(with on/off)



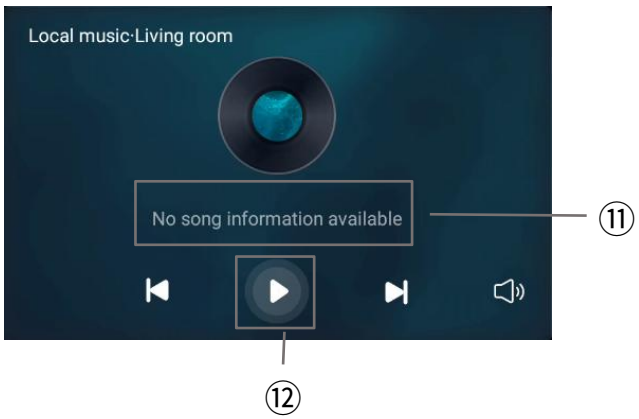
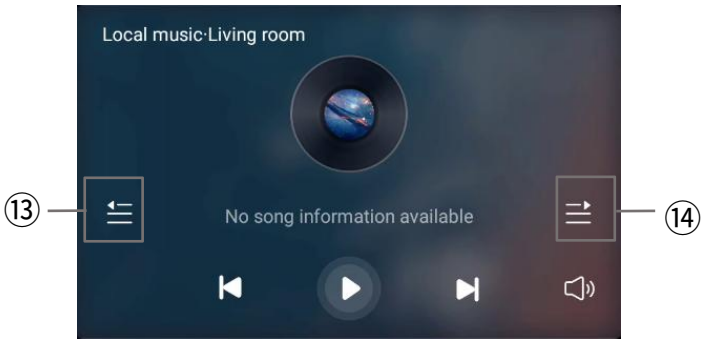


Fig.4.2.5(4) Audio control(play mode)

Fig.4.2.5(5) Audio control(track information)



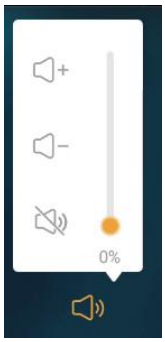


Fig.4.2.5(6) Audio control(track information & playlist)

Fig.4.2.5(7)

① Displays the device name and belonging area,descriptions can be customized through ETS.

②Select previous track by touching this icon.

③Select next track by touching this icon.

④This icon is for volume decreasing.

⑤Mute or exit mute by touch this icon.

Mute function can be enabled via the parameter configuration.When mute function is disabled,there would be no mute icon.

⑥This icon is for volume increasing.

⑦Touch on this icon brings up a sub-window, as shown in Fig.4.2.5(7).The volume level can be adjusted by sliding the volume slider or touch the icon.

⑧Display audio music play status.

Icon  indicate play audio music.Icon  indicate pause audio music.

⑨This icon is ON/OFF button for the power on/off of audio control.

Icon  indicate power on, the screen can be operated.

Icon  indicate power off,the screen can not be operated,except for the power icon.

⑩Switch audio music play mode by touching this icon.

Icon  indicate to play in single cycle. Icon  indicate to play in list cycle.

Icon  indicate to play in order . Icon  indicate to play in random.

This icon is displayed when the parameter function is selected “with play mode”.

⑪Displays the song name, artist name, and album name, configurable via parameters.

This area is displayed when the parameter function is selected “with track information”.

⑫Play or pause song by touching this icon.

Icon  indicate play audio music.Icon  indicate pause audio music.

⑬Select previous playlist by touching this icon.

This icon is displayed when the parameter function is selected “with playlist”.

⑭Select next playlist by touching this icon.

This icon is displayed when the parameter function is selected “with playlist”.

4.2.6 Environment function

Environment function card displays information such as device name, belonging area,device icon,detection value and the corresponding unit, as shown in Fig.4.2.6.The card's icon,air quality level range and display color can be configured through the ETS.

The range of air quality values for different devices is:

Temperature: -40~99 ℃

Humidity: 0~100 %

PM2.5: 0~999 ug/m3

PM10: 0~999 ug/m3

VOC: 0~999 ug/m3

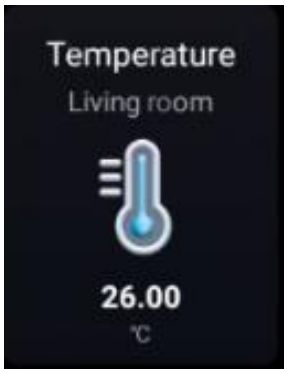
AQI: 0~500

CO2: 0~4000 ppm

Brightness：0~50000 lux

Wind：0~50 m/s or 0~150km/h

The displayed data are usually provided by other external sensors on the system.

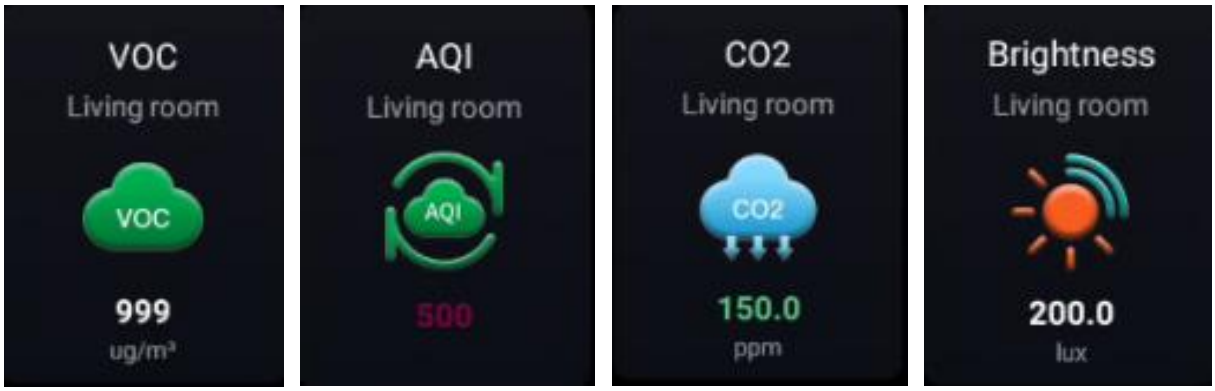


Temperature

Humidity

PM2.5

PM10



VOC AQI CO2 Brightness

Wind

Fig.4.2.6 Environment function

4.2.7 Room temperature unit control function

Room temperature unit control function with 6 control types,including room temperature unit,room temperature unit(with on/off),room temperature unit(with operation mode),room temperature unit(with on/off & operation mode),room temperature unit(with operation mode & fan speed),room temperature unit(with on/off & operation mode & fan speed),configured by parameters.You can set the on/off, temperature, fan speed, room mode and timer of the room temperature unit control.

The card displays information such as device name, belonging area,function icon,device icon, switch status and temperature information.Touch the card can turn on/off the room temperature unit control,adjustment the temperature and the card style will display the corresponding room temperature unit control on/off status and temperature information.As shown in Fig.4.2.7(1).

Long press the card or touch the device name area,pop up the detailed operation page,room temperature unit control as shown in Fig.4.2.7(2),

Room temperature unit

With on/off

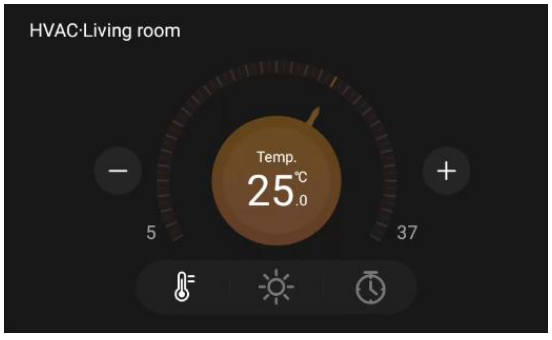
With operation mode

With on/off & operation mode

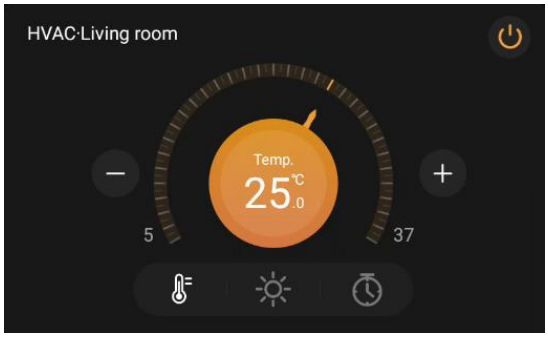
With operation mode & fan speed

With on/off & operation mode & fan speed

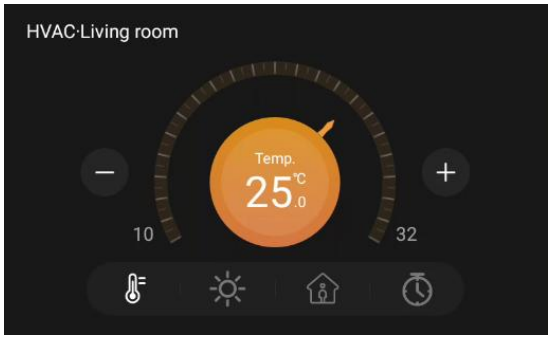
Fig.4.2.7(1)



Room temperature unit

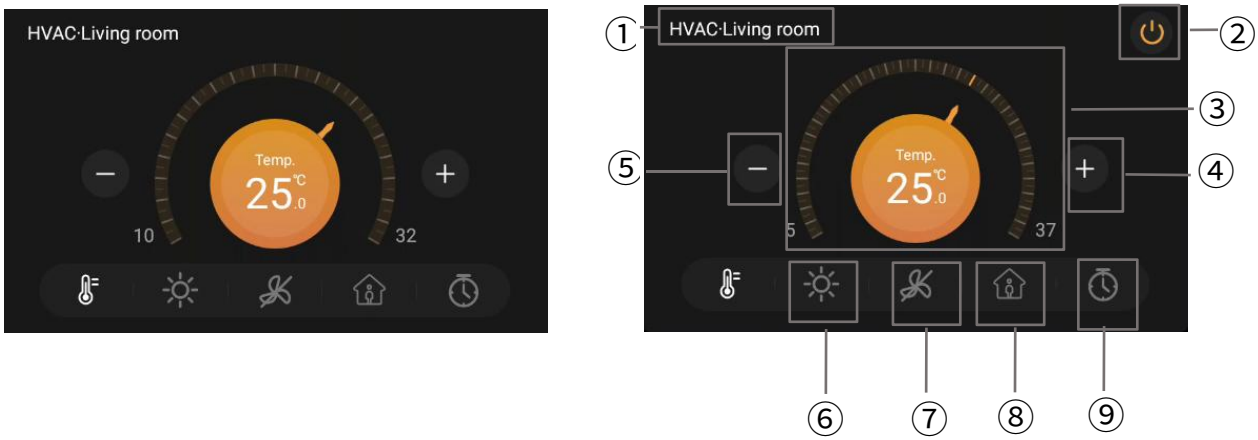


With on/off



With operation mode

With on/off & operation mode



With operation mode & fan speed

With on/off & operation mode & fan speed

Fig.4.2.7(2) Room temperature unit control function

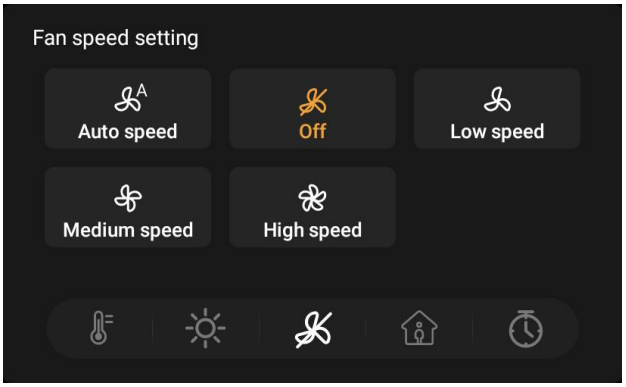


Fig4.2.7(3) Wind speed setting

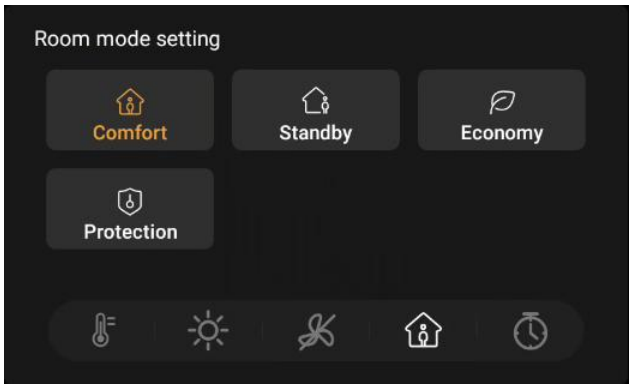


Fig.4.2.7(4) Room mode setting

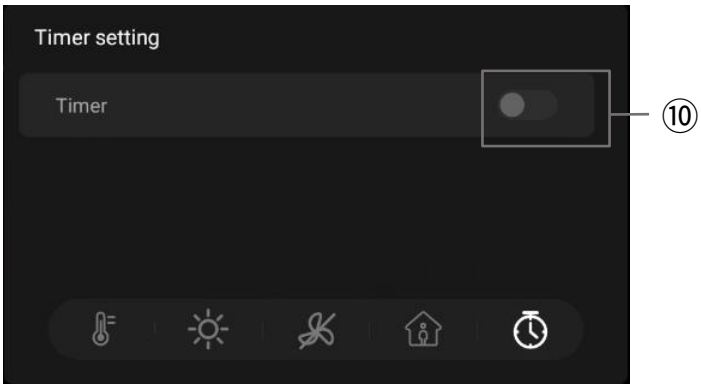
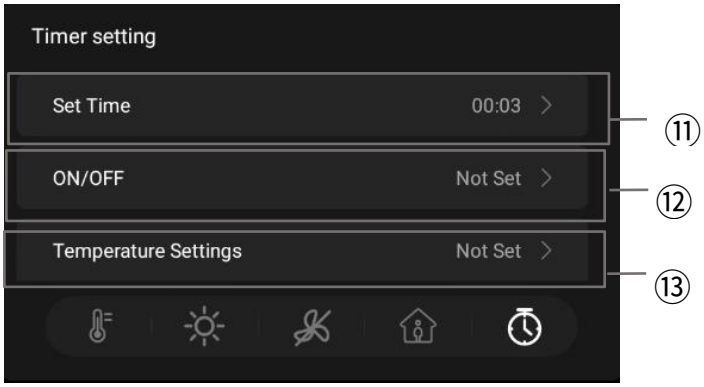
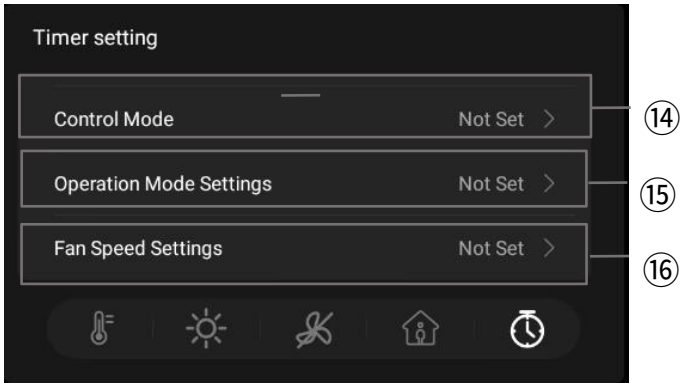


Fig.4.2.7(5)





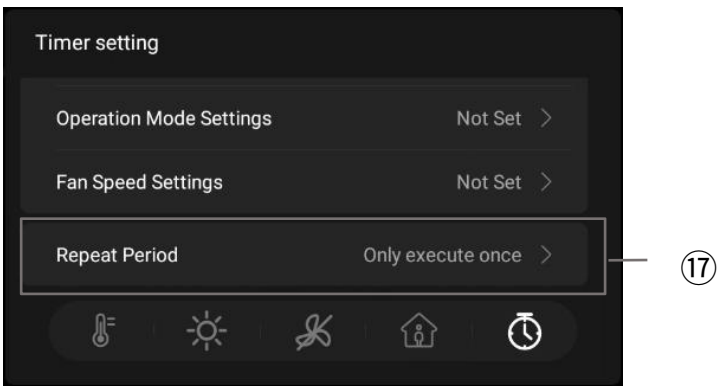


Fig.4.2.7(6) Schedule setting

Fig.4.2.7(7)

Fig.4.2.7(8)

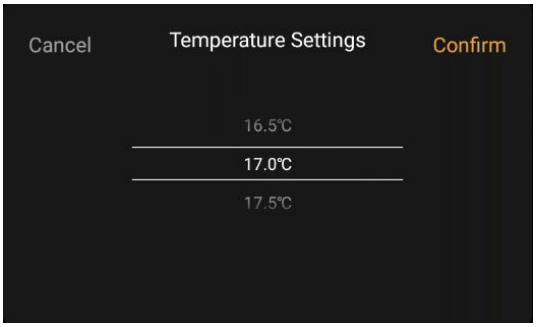


Fig.4.2.7(9)

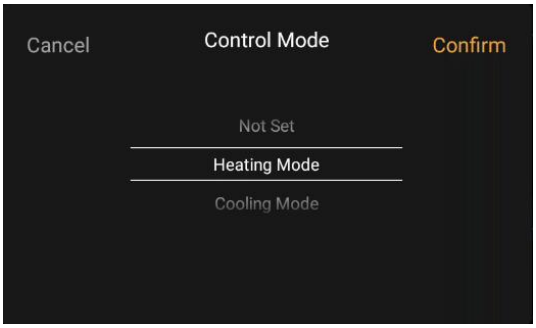


Fig.4.2.7(10)

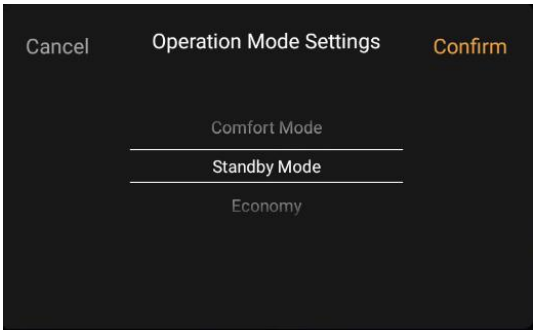


Fig.4.2.7(11)

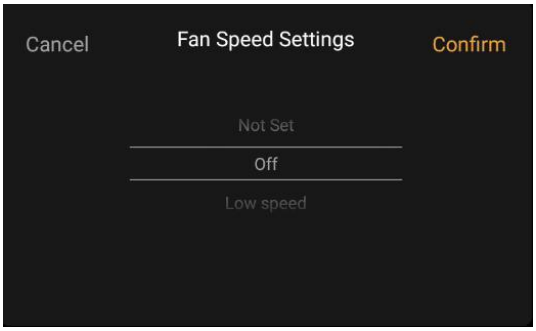


Fig.4.2.7(12)

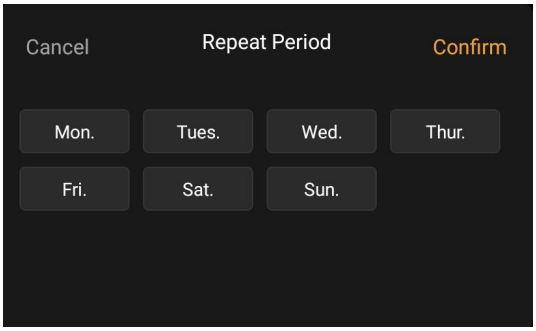


Fig.4.2.7(13)

① Displays the device name and belonging area,descriptions can be customized

through ETS.

②This icon is ON/OFF button for the power on/off of room temperature unit control.

Icon  indicate power on, the screen can be operated.

Icon  indicate power off,the screen can not be operated,except for the power icon.

③Displays ambient temperature or setpoint temperature.

④The function of this icon is to increase the temperature.

⑤The function of this icon is to decrease the temperature.

Adjusting the temperature by sliding the ring slider ③ or touching the icon ④ and icon ⑤. For each touching of icon ④ and icon ⑤, the adjustment range is 0.5 or 1 degrees according to parameters setting.When the setting temperature unit is set to degrees Celsius(℃),adjustment range of the setting temperature is 5~37℃ by default. when the setting temperature unit is set to Fahrenheit(℉), the current temperature value will automatically convert to Fahrenheit value, adjustment range of the setting temperature is 41~104℉ by default. The temperature adjustment range can be modified through parameter setting.

Ambient temperature is displayed according to the parameter configuration. Temperature detected by internal sensor or external sensor can be displayed through configuration. When internal and external sensor both occur fault, display “--.-”.

Display ambient temperature or setpoint temperature on the screen, which is defined via ETS. Auto change to setpoint temperature when operation temperature decrease/increase, no action after 3 seconds, return to ambient temperature.

⑥This icon is the Heating/Cooling icon, for heating and cooling switching.

This icon can be displayed individually as heating or cooling by parameter configuration.

Control mode of RTC is configured by ETS, when it is “Heating and Cooling”, you can change mode on the screen, otherwise fix to heating or cooling mode.

⑦ Enter the fan speed setting by touching this area, and will pop up a sub-window shown as Fig.4.2.7(3).

This window shows up to 5 options of fan speed: auto speed, off, low, medium and high speed.Select one of these options then touch the area outside the sub-window to return the previous level page. Under the auto fan speed, there would be no specific fan speed shown on the page; the auto fan speed can be disable or enable by parameter configuration, when disable, there would be no Auto option on the window.

Fan speed adjustment of RTC set to be disable or enable through parameter configuration. When disable, there would be no fan speed function shown as Fig.4.2.7(3) on the page; when enable, fan speed can be adjusted.

This icon is displayed when the parameter function is selected with “fan speed”.

⑧Enter the room mode setting by touching this area, and will pop up a sub-window shown as Fig.4.2.7(4).

This window shows up to 4 options of mode: Comfort, Standby, Economy and Protection, select one of these options then touch the area outside the sub-window to return to the previous level page.

This icon is displayed when the parameter function is selected “with operation mode”.

Note: ①When the setting temperature for operation mode is configured as relative adjustment, the adjustment of setting temperature under the protection mode only acts on the protection mode, for other modes, relative change of temperature adjustment are able to act on all modes (except the setting temperature of protection mode).

② When the setting temperature for operation mode is configured as absolute adjustment, the adjustment of setting temperature only acts on the current operating mode.

When change to protection mode, the ring slider displays gray, the ring slider and increase/decrease icon all can not be operated, that is, you can not change setpoint temperature at this time, as shown in Fig.4.2.7(14).

Fig.4.2.7(14)

⑨Enter the schedule setting by this area, and will pop up a sub-window shown as Fig.4.2.7(5).You can select the week, hour, minute and other RTC operation. Touch the area outside the sub-window to return to the previous level page after finishing configuration.

Schedule function can be enabled via the parameter configuration. When schedule function is disabled, there would be no schedule icon as shown as Fig.4.2.7(2) on the page. when enabled, schedule can be configured.

Only support to one schedule. Power on/off or call the scene function that configured by RTC, can not disable schedule function.

Note: In the off status, if schedule function is set to send a setpoint temperature, the temperature is sent along with a power on command to bus when the schedule arrives.

⑩Touch this icon to enable/disable timer function .

Icon ⑩ on indicates timer enable. icon ⑩ off indicates timer disable.The timer function is enable,touch will pop up a sub-window shown as Fig..4.2.7(6).

When the timer function is enable, the following option fields are visible:

⑪Touch will pop up a sub-window shown as Fig..4.2.7(7) and sliding the number to choose the date and time for schedule.

⑫Touch will pop up a sub-window shown as Fig..4.2.7(8) and Sliding to choose the RTC status for schedule, you can choose on, off, or not set.

⑬Touch will pop up a sub-window shown as figure.4.2.7(9) and Sliding to choose the RTC temperature for schedule, you can choose not set or 5°C-37°C.

⑭Touch will pop up a sub-window shown as figure.4.2.7(10) and Sliding to choose the RTC control mode for schedule, you can choose not set,heating mode or cooling mode.

⑮Touch will pop up a sub-window shown as figure.4.2.7(11) and Sliding to choose the RTC operation mode for schedule, you can choose not set,comfort mode,standby mode,economy or protection mode.

⑯Touch will pop up a sub-window shown as figure.4.2.7(12) and Sliding to choose the RTC fan speed for schedule, you can choose not set, auto, off, low speed,medium speed and high speed.

⑰ Touch will pop up a sub-window shown as figure.4.2.7(12) and choose from Monday to Sunday of the week for timer.

4.2.8 Air conditioner control function

Air conditioner control function with 2 control types,including air conditioner and air conditioner(with swing),configured by parameters.You can set the on/off, temperature, working mode,fan speed,wind direction and timer of the Air conditioner.

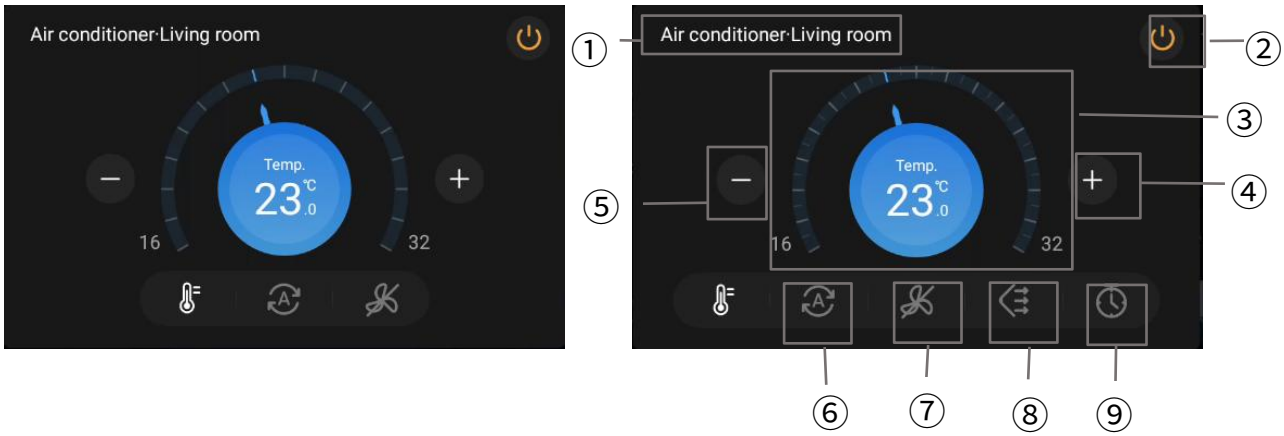
The card displays information such as device name, belonging area,function icon,device icon, switch status and temperature information.Touch the card can be turn on/off the air conditioner,adjustment the temperature and the card style will display the corresponding air conditioner on/off status and temperature information.As shown in Fig.4.2.8(1).

Long press the card or touch the device name area,pop up the detailed operation page,air conditioner as shown in Fig.4.2.8(2).

Air conditioner

Air conditioner(with swing)

Fig.4.2.8(1)



Air conditioner　　Air conditioner(with swing)

Fig.4.2.8(2) Air conditioner function

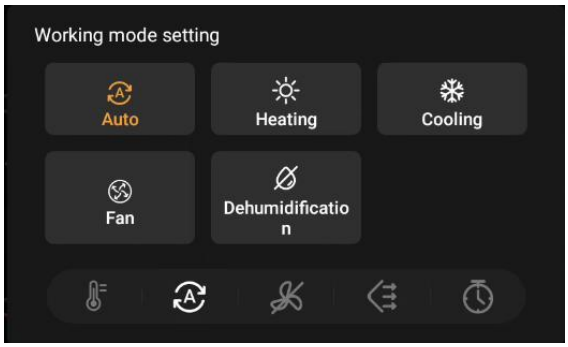


Fig.4.2.8(3)

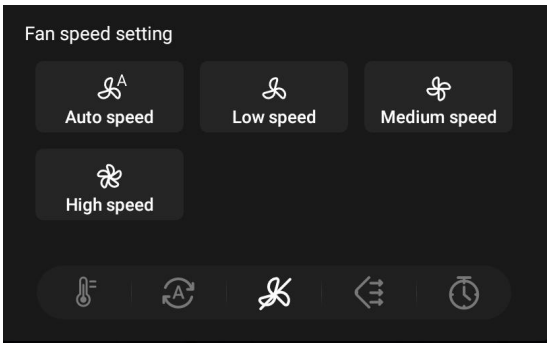


Fig.4.2.8(4)

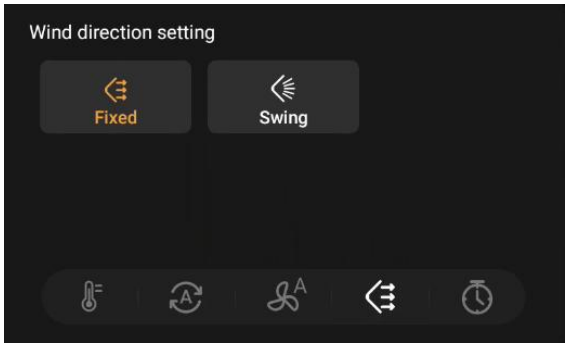


Fig.4.2.8(5)

① Displays the device name and belonging area,descriptions can be customized through ETS.

②This icon is ON/OFF button for the power on/off of air conditioner control.

Icon  indicate power on, the screen can be operated.

Icon  indicate power off,the screen can not be operated,except for the power icon.

The status of power ON mode, Fan speed, and setpoint temperature is the status before power OFF. The Air Conditioner control page will recover to the status before voltage failure.

③Displays setpoint temperature.

④The function of this icon is to increase the temperature.

⑤The function of this icon is to decrease the temperature.

Adjusting the temperature by sliding the ring slider ③ or touching the icon ④ and icon ⑤. For each touching of icon ④ and icon ⑤, the adjustment range is 0.5 or 1.0 degrees according to parameters setting.When the setting temperature unit is set to degrees Celsius(℃), adjustment range of the setting temperature is 16~32℃ by default. when the setting temperature unit is set to Fahrenheit(℉), the current temperature value will automatically convert to Fahrenheit value, adjustment range of the setting temperature is 61~90℉ by default. The temperature adjustment range can be modified through parameter setting.

The ambient temperature is displayed according to the parameter configuration. Temperature detected by internal sensor or external sensor can be displayed through configuration.

⑥Enter the work mode setting by touching this area, and will pop up a sub-window shown as Fig. 4.2.8(3).

This sub-window shows up to 5 options of air conditioner mode: auto, heating, cooling, fan and dehumidification.Select one of these options then touch the area outside the sub-window to return to the previous level function page.

Each mode set to be disabled or enabled independently by the parameters configuration. When a mode is disabled, there will be no corresponding item is shown on the page; when enabled, support to operate the mode.

⑦Enter the fan speed setting by touching this area, and will pop up a sub-window shown as Fig. 4.2.8(4).

This window shows up to 4 options of fan speed: auto speed,low, medium and high speed.Select one of these options then touch the area outside the sub-window to return the previous level page. Under the auto fan speed, there would be no specific fan speed shown on the page; the auto fan speed can be disable or enable by parameter configuration, when disable, there would be no Auto option on the window.

Fan speed adjustment of RTC set to be disable or enable through parameter configuration. When disable, there would be no fan speed function shown as Fig.4.2.8(4) on the page; when enable, fan speed can be adjusted.

⑧ Enter to the wind direction setting by touching this tile, and will pop up a sub-window shown as Fig.4.2.8(5);

Wind direction setting is used to switch the working mode of wind direction, and there are two modes: fixed and swing. Select one of these options then touch the area outside the sub-window to return to the previous level page.

This icon is displayed when the parameter function is selected “with swing”.

⑨Touch this icon to enable/disable timer function .

Timer function can be enabled via the parameter configuration. When timer function is disable, there would be no timer icon as shown as Fig.4.2.8(2) on the page. when enable, timer can be configured.

Note: The air conditioner control timer function operates similarly to the room temperature control unit,there will not be repeated here.

4.2.9 Ventilation system control function

Ventilation system control function with 2 control types,including Ventilation system (with auto fan speed) and Ventilation system,configured by parameters.You can set the on/off,heat recovery, filter life and wind speed of the Ventilation system control.

The card displays information such as device name,belonging area,switch status, function icon and device icon.Touch the card can be turn on/off the Ventilation system control,adjustment wind speed and the card style will display the corresponding air conditioner on/off status and temperature information.As shown in Fig.4.2.9(1), Fig.4.2.9(2).

Long press the card or touch the device name area,pop up the detailed operation page,Ventilation system control as shown in Fig.4.2.9(3),Fig.4.2.9(4).

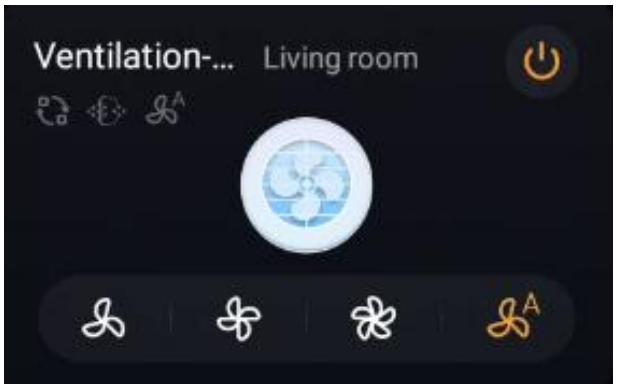


Fig.4.2.9(1)

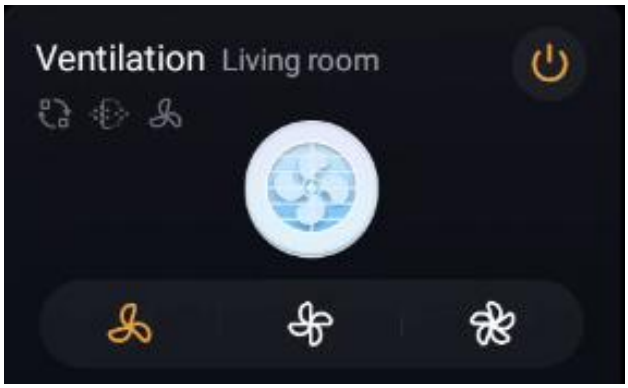


Fig.4.2.9(2)

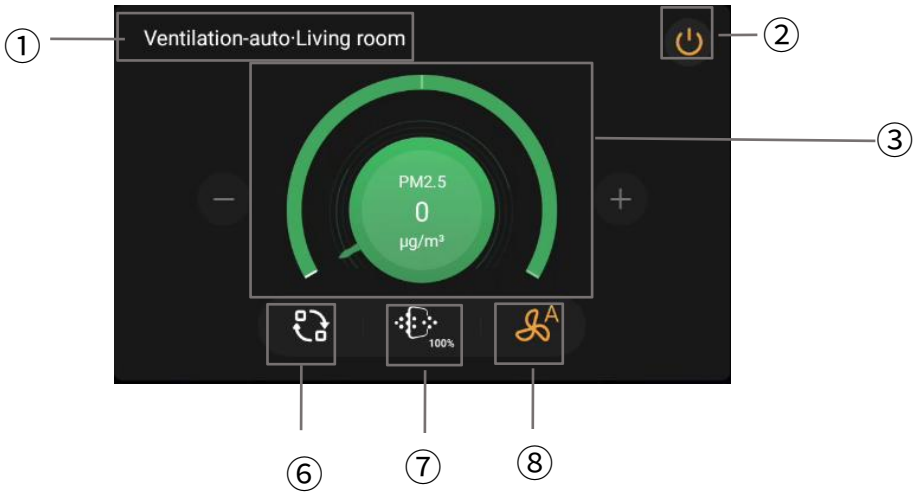


Fig.4.2.9(3) Ventilation system(with auto fan speed)

Fig.4.2.9(4) Ventilation system

① Displays the device name and belonging area,descriptions can be customized through ETS.

②This icon is ON/OFF button for the power on/off of ventilation system control.

Icon  indicate power on, the screen can be operated.

Icon  indicate power off,the screen can not be operated,except for the power icon.

The initial state of power is defined according to the parameters.

③Displays the concentration of CO2/PM2.5/VOC.Only when auto fan speed control of ventilation system is enable would this page display,

CO2 concentration,according to the value received from the bus, range 0~4000ppm; if the data exceed 4000ppm, then the page will display 4000ppm.

PM2.5 concentration,according to the value received from the bus, range 0~999ug/m^3; if the data exceed 999ug/m^3, then the page will display 999ug/m^3.

VOC concentration,according to the value received from the bus, range 0~4000ppm; if the data exceed 4000ppm, then the page will display 4000ppm.

④The function of this icon is to increase the fan speed level.

⑤The function of this icon is to decrease the fan speed level.

When fan speed is not configured as auto,by touching icon ④ and icon ⑤ to adjust fan speed,for each touch of icon ④ and icon ⑤ to adjust one level, there are 3 modes of fan speed: Low, Medium and High. At this time, the adjustment is manually, not automatically according to the concentration of CO2, PM2.5 or VOC.

⑥ This is the heat recovery icon, used to enable/disable heat recovery function.

Whether heat recovery function of ventilation system is enable or not is configured through parameter configuration. When disable, there will be no display of heat recovery function on the page as shown in Fig. 4.2.9(3); when enable, the heat recovery function can be enable/disable by touching icon ⑥. The icon on indicates that the heat recovery is enable; the icon off indicates that the heat recovery is disable. In addition, heat recovery function can be enable/disable through the bus. And there would be no responding after enable heat recovery function.

⑦This icon is the filter timer icon.

Whether the filter timer counter function is enable or not is configured through parameter configuration. When disable, there will be no display of filter timer counter function on the page as shown in Fig.4.2.9(3); when enable, icon ⑥ will be high brightness after ventilation system ON, the remaining evaluation value will be displayed next to it. The value will be updated according to the use time, which will be updated through the bus.

The service life of the filter set by the parameter configuration. When the filter time reaches to the parameter setting value, the alarm state can be issued through the bus, and the remaining filter timer value can be displayed to be 0%. When touch icon ⑦, the filter time can be reset, as shown in Fig.4.2.9(5) below. After clicking “Confirm”, the filter timer value can be reset to 100%.

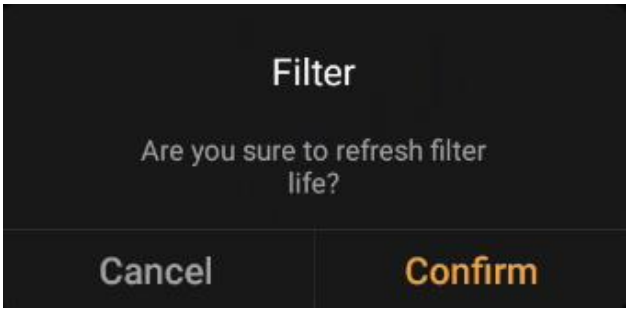


Fig.4.2.9(5)

⑧Enable/disable auto fan speed function by touching this icon.

when enable, enable or disable the function by touching icon ⑧. Icon on indicates enable the auto fan speed; icon off indicates disable auto fan speed. When enable, the fan speed level is calculated from the concentration of CO2 or PM2.5, and updated to ring bar ③ to display current fan speed. In addition, also you can enable or disable auto fan speed

function by the bus, touch icon ⑧ is no response when disable.

This icon is displayed when the parameter function is selected “with auto fan speed”.

Note: when manually operate icon ④ and ⑤ to adjust fan speed level, it links to exit Auto function, that is the Auto icon should display Off status and the object should send a telegram to cancel auto.

4.2.10 Energy metering value display function

Energy metering function with 6 control types,including energy metering(power & energy),energy metering(power & energy & current),energy metering(power & energy & current & voltage),configured by parameters.The card displays information such as device name,belonging area,device icon,power,energy, current and voltage value.These data can be updated and displayed through the bus, such as Switch Actuator with Current Detection can provide the present value of current, power or energy consumption,as shown in Fig.4.2.10(1),Fig.4.2.10(2),Fig.4.2.10(3).

After binding with APP, click the card to enter the energy statistics detail page, click "day/week/month/year" to switch the statistics view, click the bar to view the corresponding energy statistics, click the blank position to view the summary data of the day/week/month/year, as shown in Figures 4.2.10(4) and 4.2.10(5) below, 4.2.10(6), 4.2.10(7).

Fig.4.2.10(1) Power & Energy

Fig.4.2.10(2) Power & Energy & Current

Fig.4.2.10(3) Power & Energy & Current & Voltage

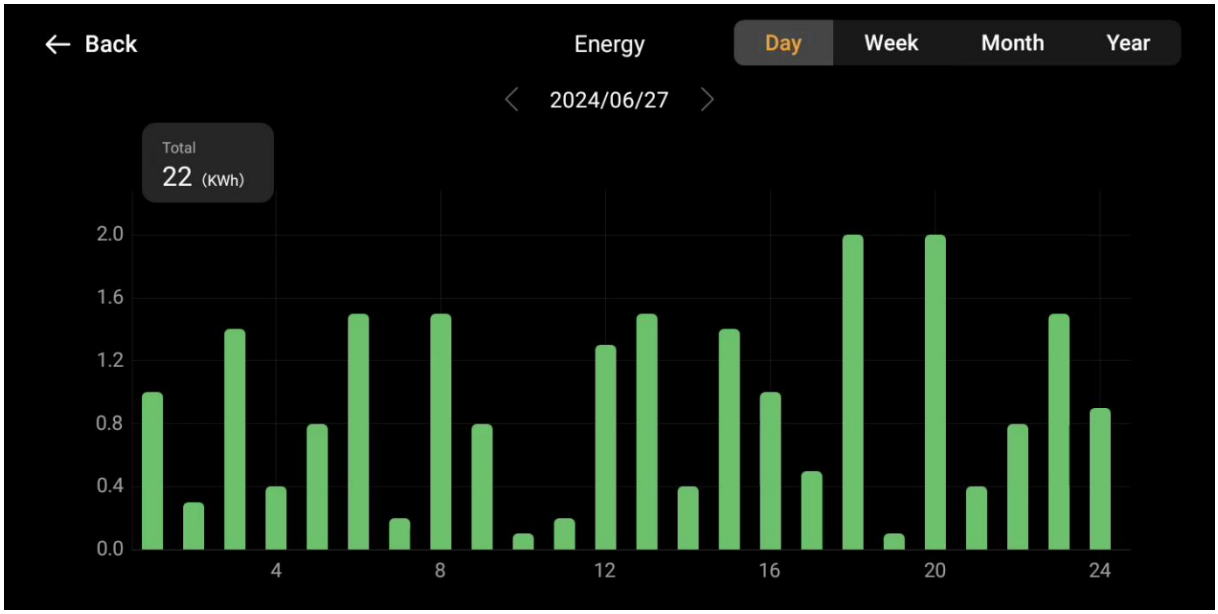


Fig.4.2.10(4) Day

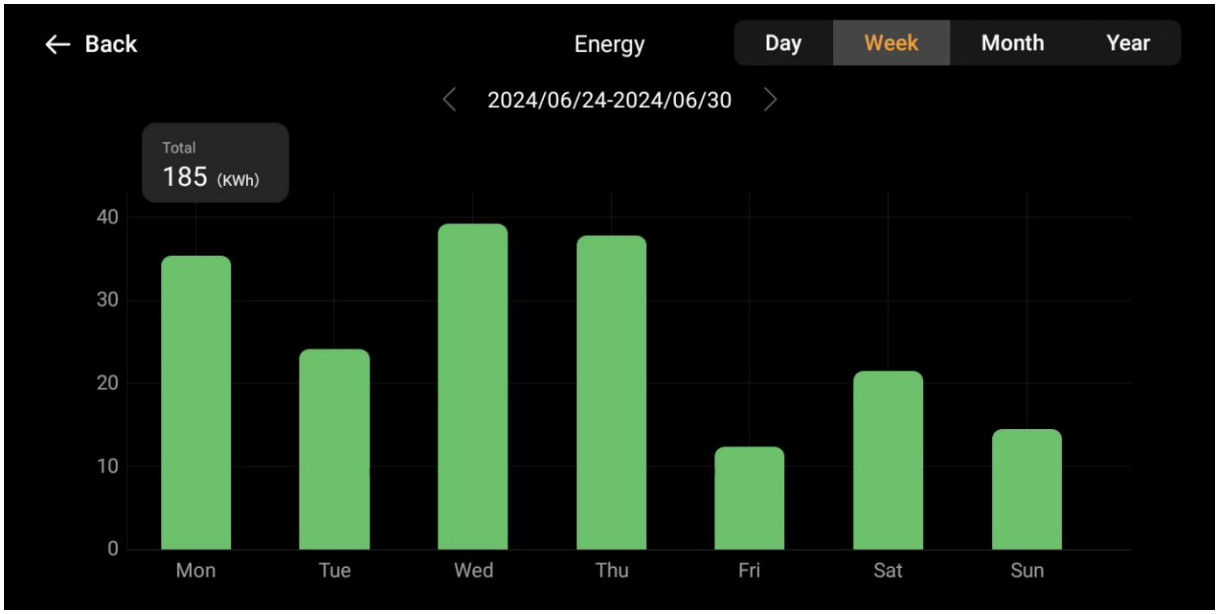


Fig.4.2.10(5) Week

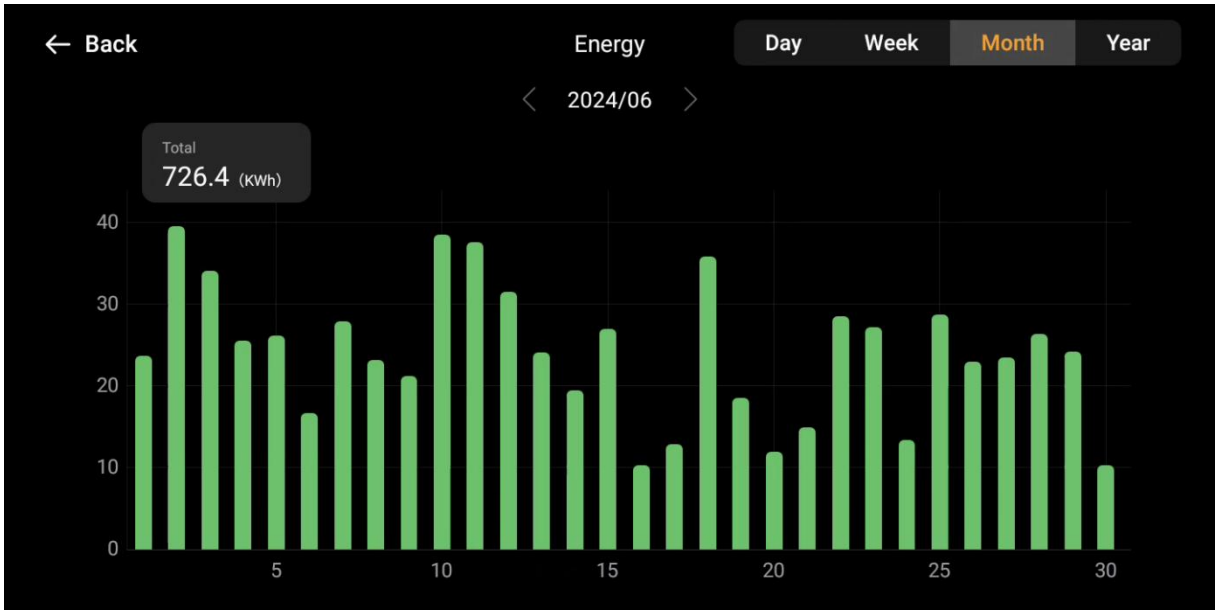


Fig.4.2.10(6) Month

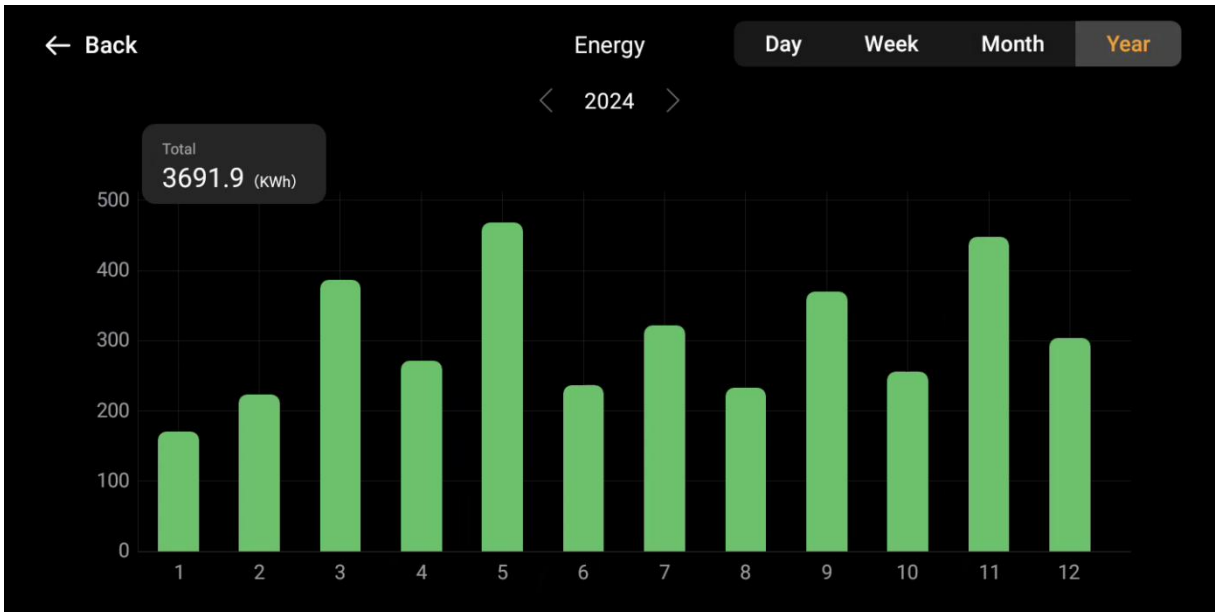


Fig.4.2.10(7) Year

4.2.11 Sensor function

The card displays information such as device name,belonging area,device icon and switch state.User can view the status of the sensor in real time. The triggered status and non-triggered status display content can be configured by ETS, not exceeding 14 bytes. As shown in Fig.4.2.11.

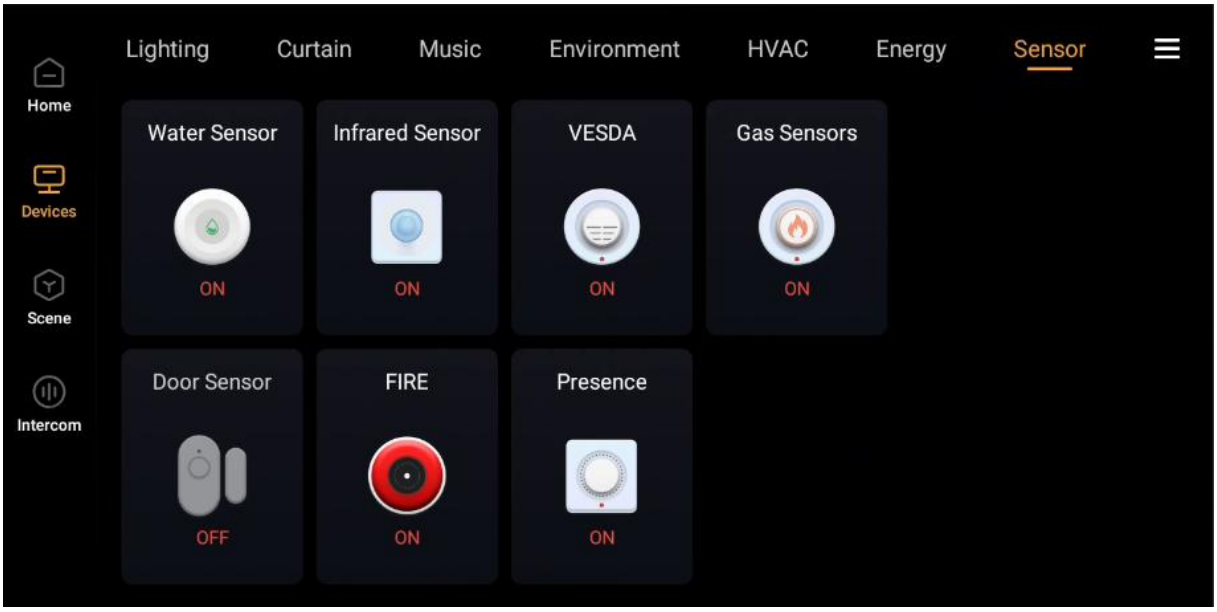


Fig.4.2.11 Sensor

4.2.12 Value sender function

By touching the icon, the device will send the corresponding telegram to the bus, and the icon will shake. If long operation is set, the long/ short operation of the icon will send the corresponding setting value.When in short press operation, the control telegram will be trigger when touch the icon, and if the long operation is enabled, only after the fixed time of the long operation (the default is 500ms) will the control telegram be triggered.

Chapter 5 Scene page UI Description

5.1 Scene page

The scene page is shown in Fig.5.1. This page display all the scene cards and the scene functions can be configured in the ETS, including the scene name, image preview, and up to 30 scenes can be added.

By touch the icon, the device sends the corresponding scene telegram to the bus If long operation is set, short pressing the icon for the scene recall, long pressing the icon for the scene store.

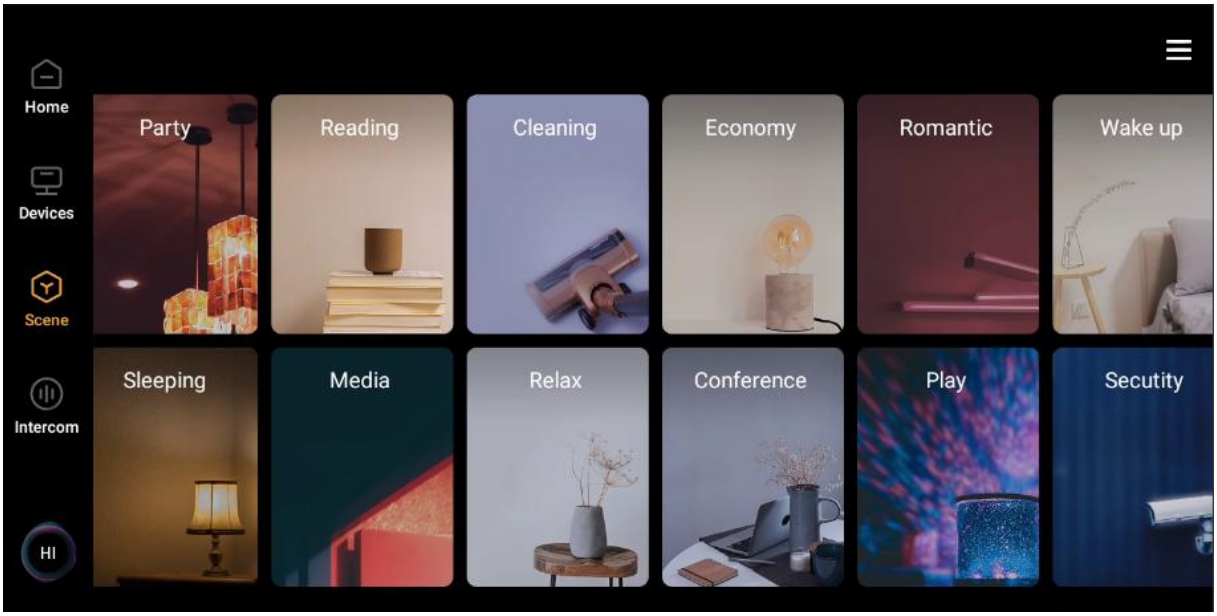


Fig.5.1 Scene page

Chapter 6 Intercom page UI Description

6.1 Intercom page

Intercom page is shown in Fig.6.1. This page displays intercom functions, such as resident list, top contact, monitor device management, dialing keypad, intercom unlock,voice message,SOS,monitor,monitoring record,alarm record,call record, do not disturb, arm/disarm, call forwarding function.

Touch the card to enter the corresponding function control page, intercom card detail operation in chapter 6.2.

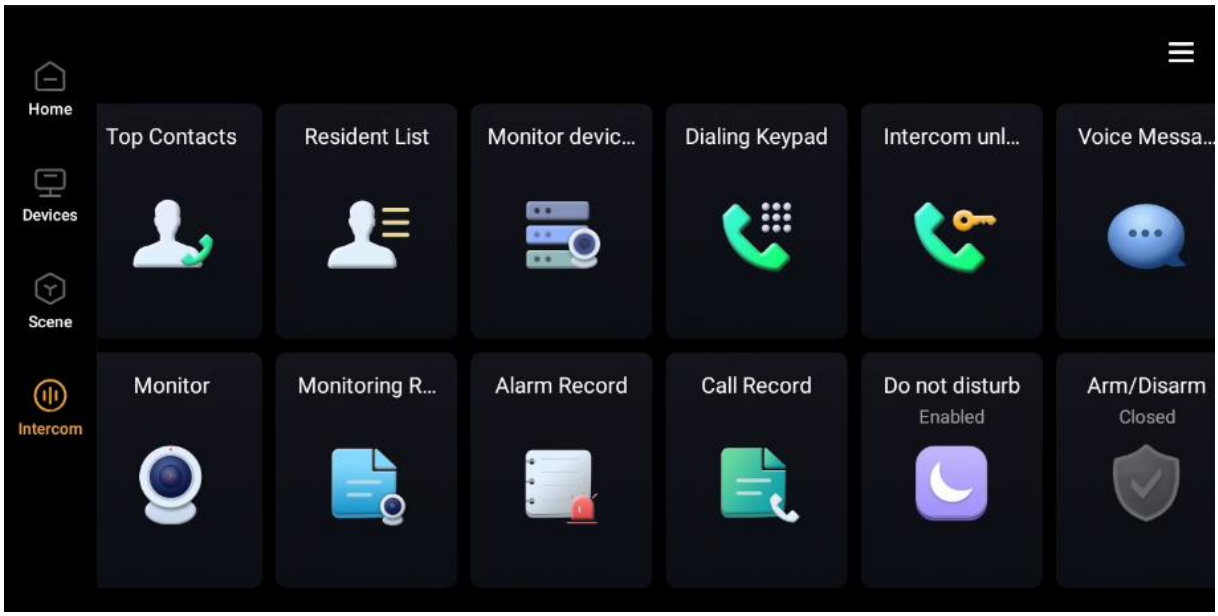


Fig.6.1 Intercom page

6.2 Intercom card

6.2.1 Resident list

The resident list card,as shown in Fig.6.2.1(1),with six modules of intercom functions, top contacts,resident list,dialing keypad,voice message,call record,intercom unlock.Among them,the resident list module displays a list of all contacts and allows you to group contacts.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.1(2).

Address Book Configuration Reference chapter 11.2.

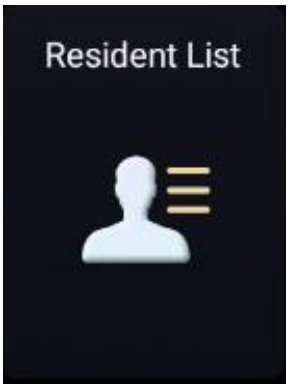


Fig.6.2.1(1) Resident list card

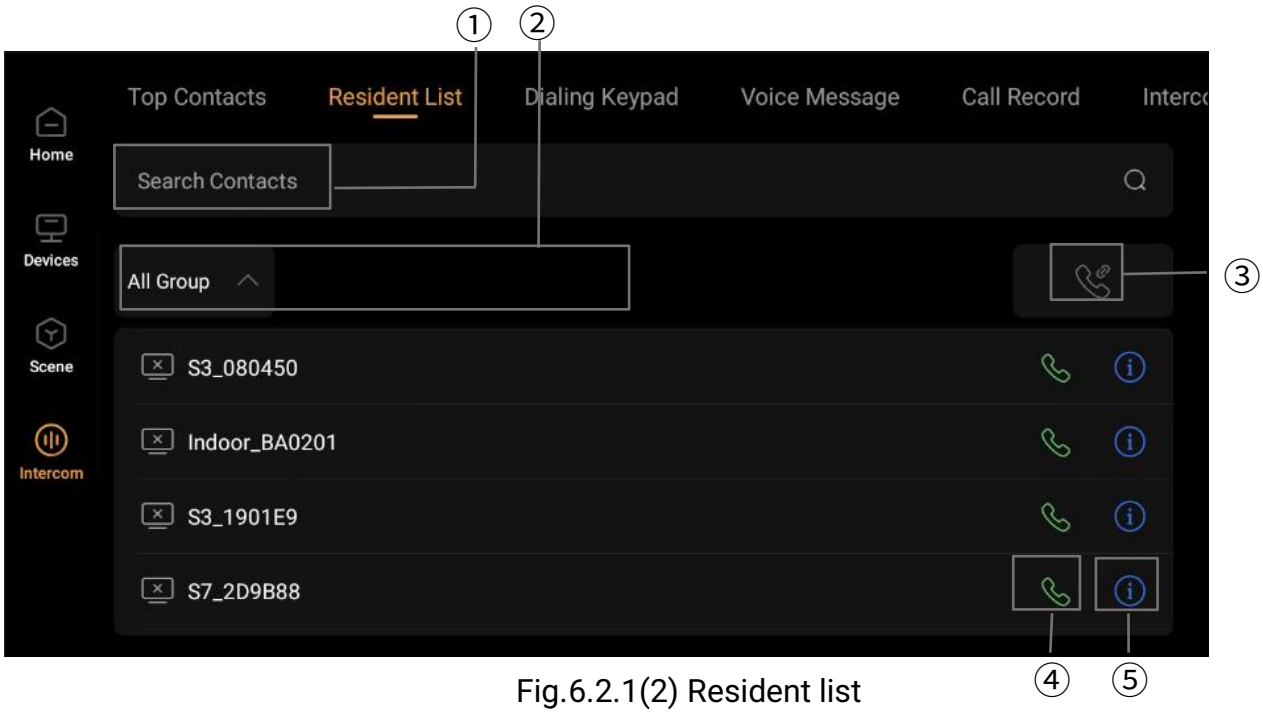


Fig.6.2.1(2) Resident list

①Touch to enter the search contacts, the bottom contact list will display the search results synchronously.

②Displays resident list group information and filter the devices under each group.

Group call: touch to call all devices under the filtered group.

Contacts list: display the list of filtered contacts, sub-groups or contacts under the corresponding groups.

③Displays the devices that are currently online.

④Touch call this contact and enter the call out page.

⑤Touch to enter the contact info page. You can view user information, such as the SIP account,remarks name, and add to top contact,block caller.

6.2.2 Top contacts

The top contacts card,as shown in Fig.6.2.2(1),with six modules of intercom functions,top contacts,resident list,dialing keypad,voice message,call record,intercom unlock.Among them,the top contacts module allows to manually add a list of top contacts.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.2(2).

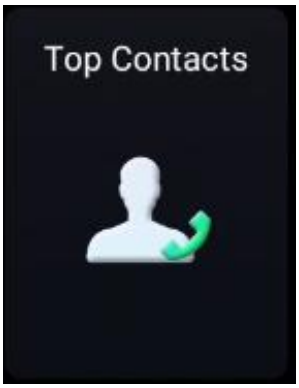
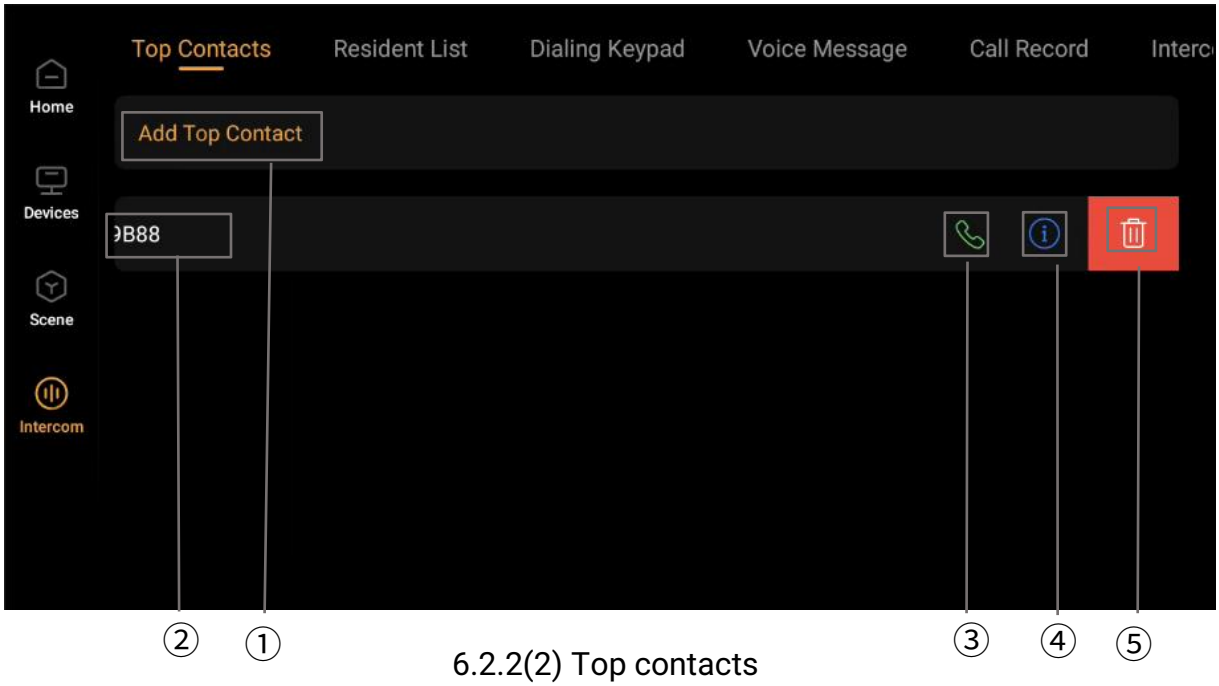


Fig.6.2.2(1) Top contacts card



6.2.2(2) Top contacts

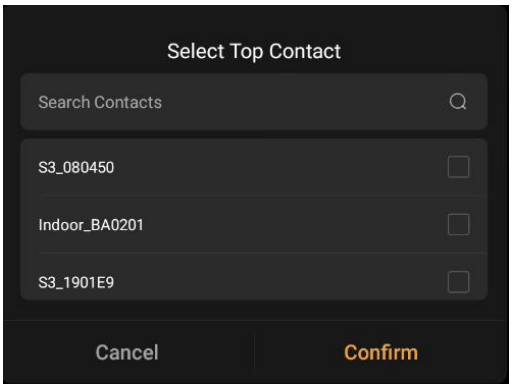


Fig.6.2.2(3)

①Touch to pop up sub-window as shown in Fig.6.2.2(3). Search contacts and confirm to add top contacts.

②Displays the contact name.

③Touch call this contact and enter the call out page.

④Touch to enter the contact info page. You can view user information, such as the SIP account,remarks name, and remove from top contact,block caller,delete contact.

⑤Swipe left on the contact entry and the icon  appears, touch to delete the contact.

6.2.3 Dialing keypad

Dialing keypad card,as shown in Fig.6.2.3,with six modules of intercom functions, top contacts,resident list,dialing keypad,voice message,call record,intercom unlock.Among them,the dialing keypad module calls the contact by dialing (SIP account or user@IP).

Touch the card,pop up the detailed operation page.Dialing calls are introduced in two parts, outgoing and incoming, detail operation in chapter 6.2.3.1 and chapter 6.2.3.2.

Fig.6.2.3 Dialing keypad card

6.2.3.1 Dialing keypad page

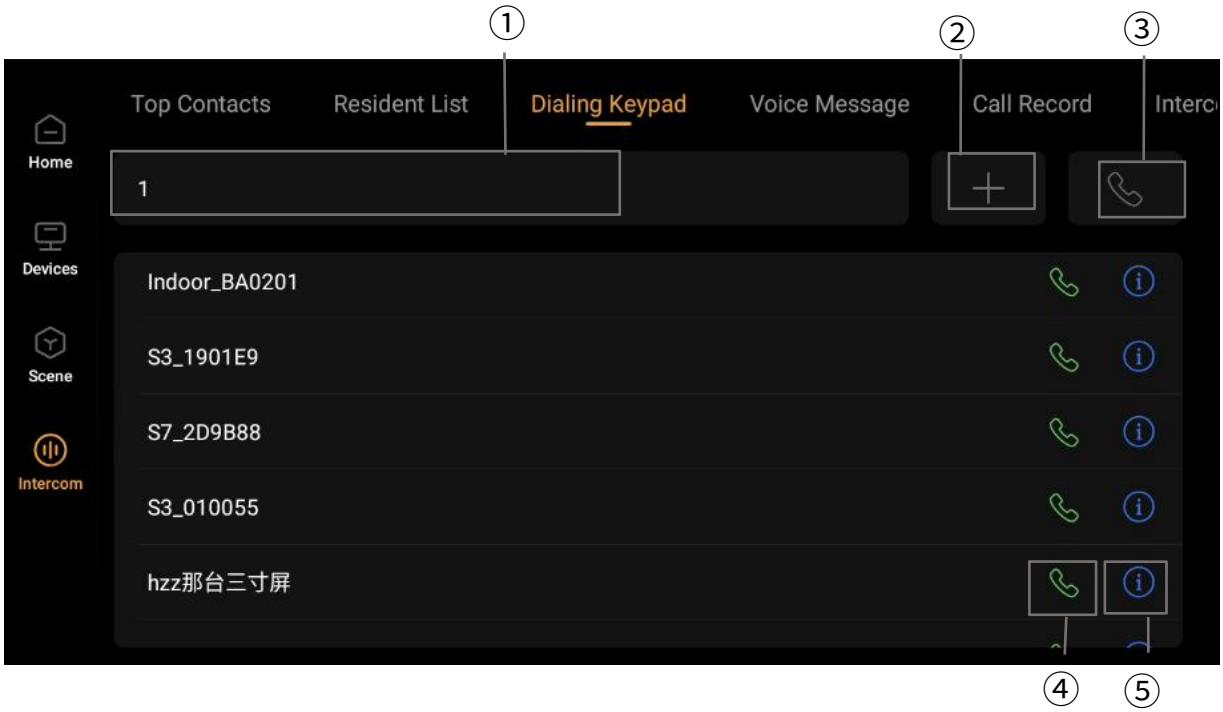


Fig.6.2.3.1(1) Dialing keypad

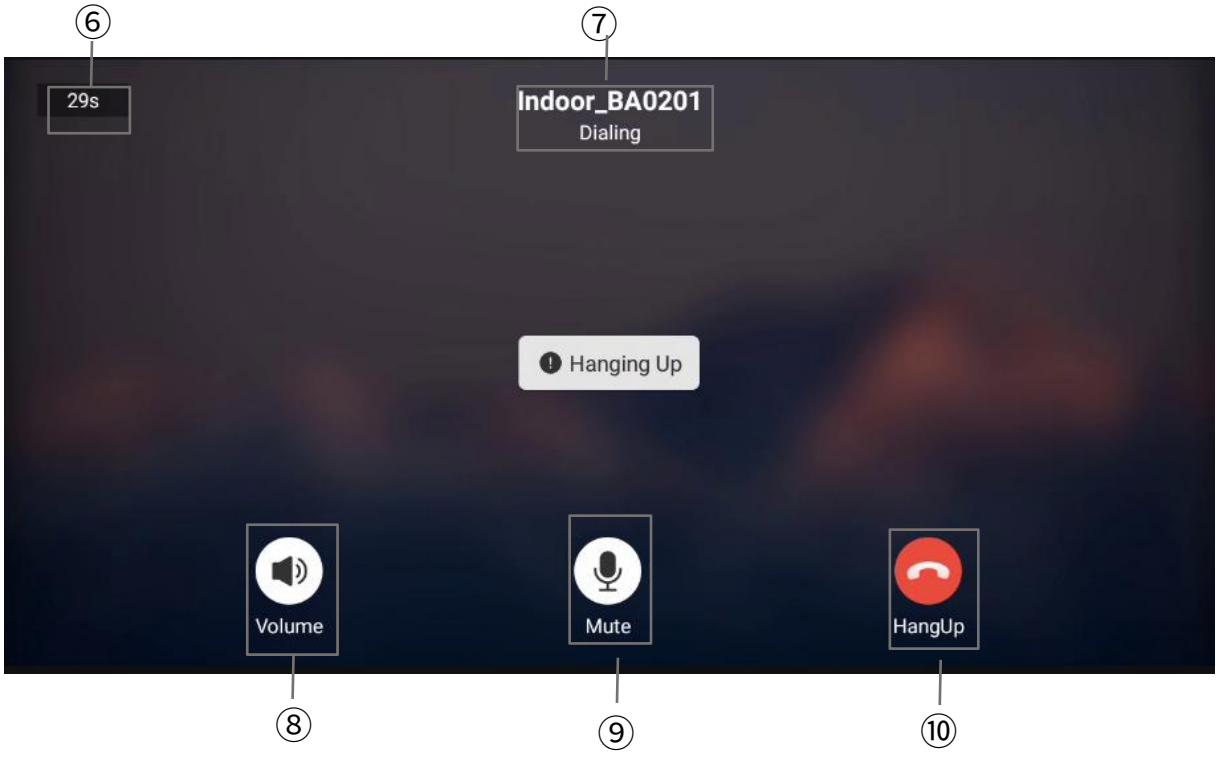


Fig.6.2.3.1(2) Call out page

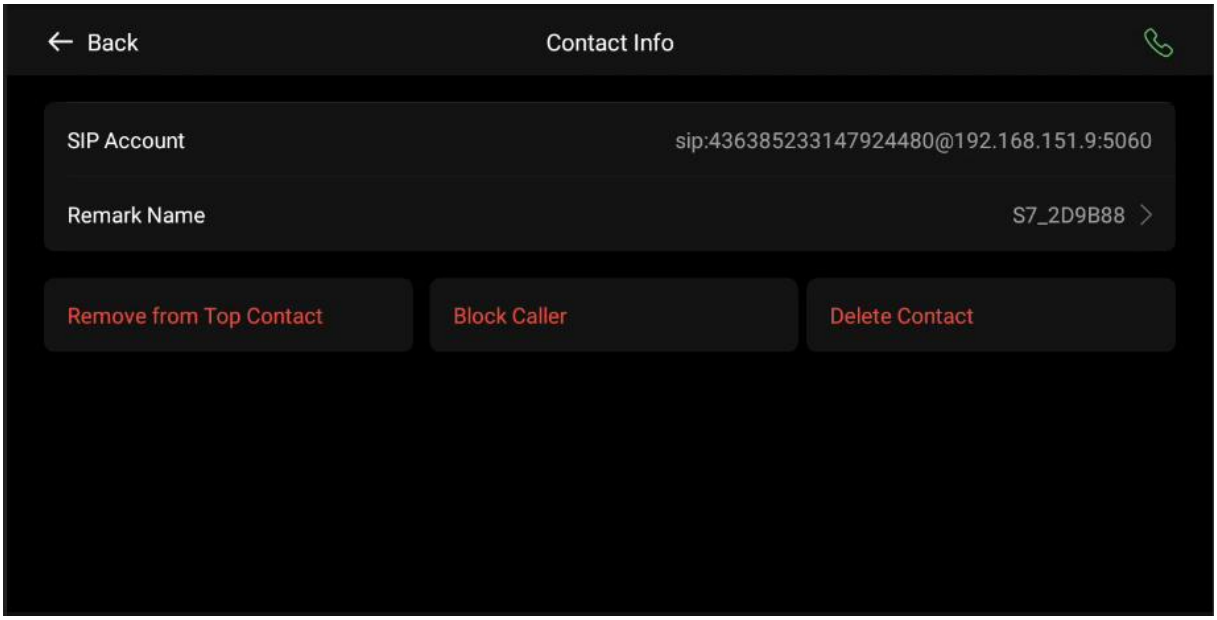


Fig.6.2.3.1(3) Contact info

①Touch to enter username or SIP account, the bottom will automatically filter the contact list in the resident list. If the entered account is not in the resident list, then determine whether the SIP account is complete, if complete, can perform add contact or call out operation.

②Add contacts,it is displayed in the contacts list when added successfully.

③Call-out operation.

④Touch call this contact and enter the call out page，as shown in Fig.6.2.3.1(2).

⑤Touch to enter the contact info page. You can view user information, such as the SIP account,remarks name, and add to top contact,block caller,delete contact,as shown in Fig.6.2.3.1(3).

⑥ Displays the time remaining for the call to hang up. Default call length, not to exceed 2 minutes.

⑦Displays the name of the calling party.

⑧Touch the icon and sliding the slider to adjust the system volume.

⑨Touch to turn the microphone on/off.

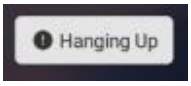
Icon 

indicate microphone is turn on.

Icon 

indicate microphone is turn off and the other party will not hear the sound of this device.

⑩Touch hang up.Defaults back to the previous page after hanging up.

Icon 

indicate hang up.

6.2.3.2 Incoming caller page

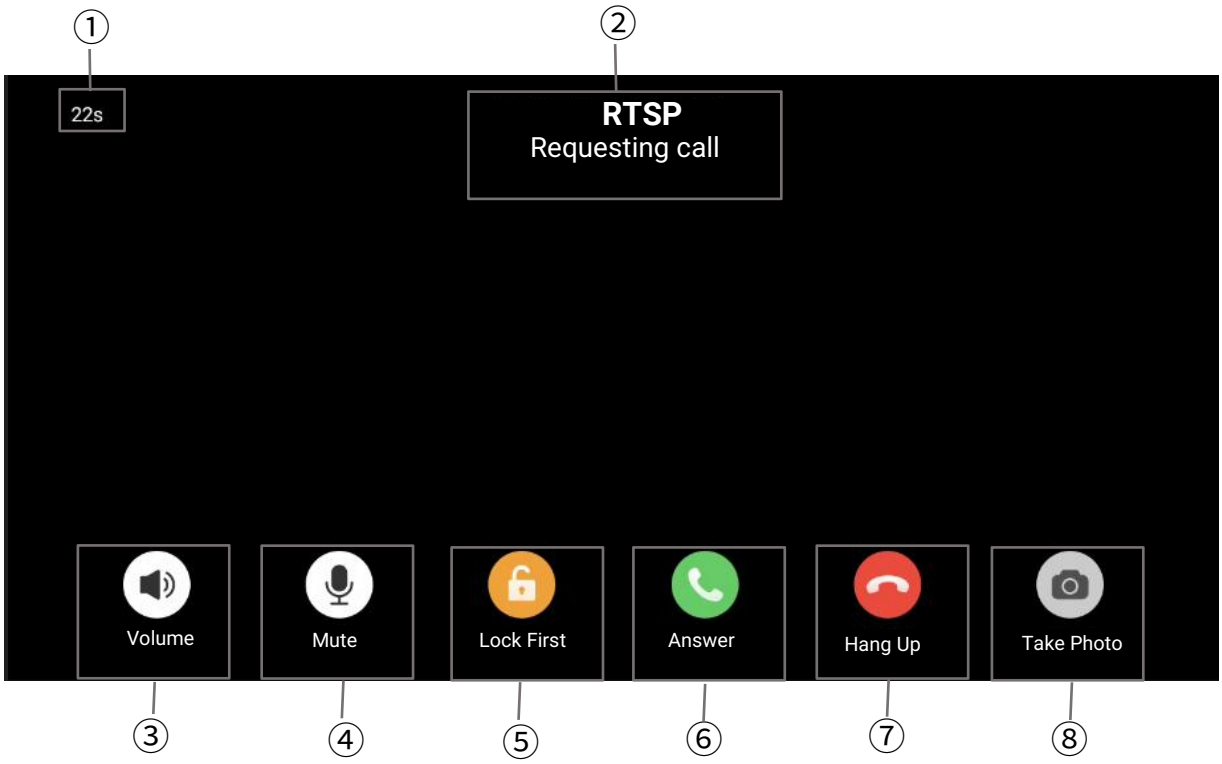


Fig.6.2.3.2(1) Incoming caller

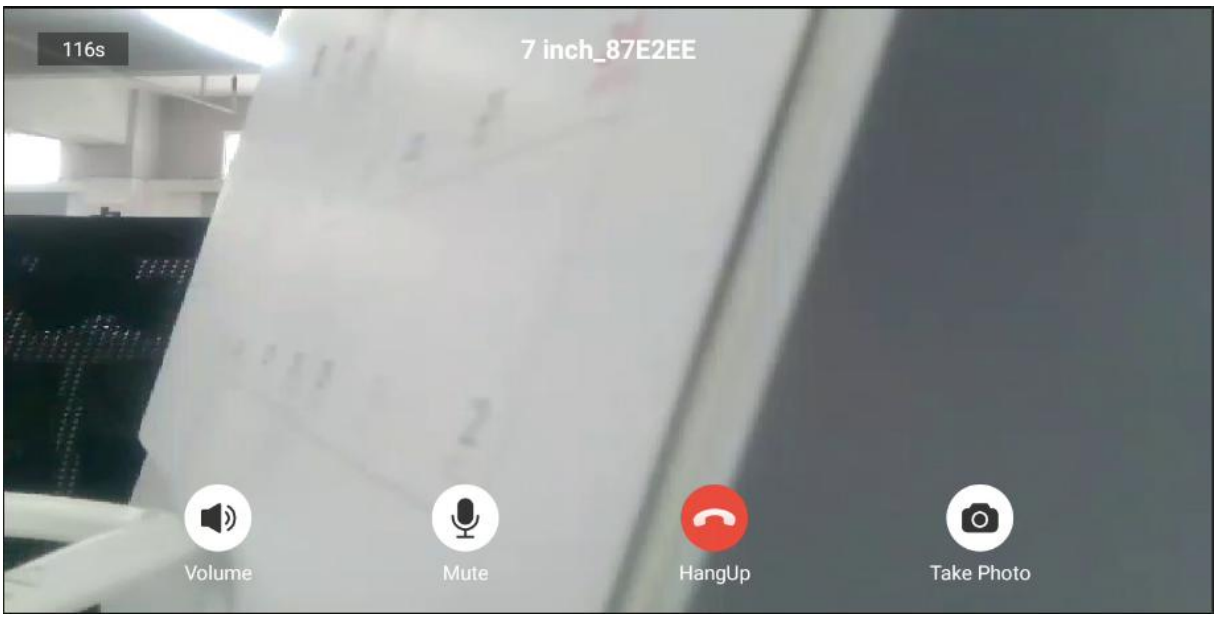


Fig.6.2.3.2(2) Incoming device's camera feed

①Displays the incoming time. The default incoming time does not exceed 2 minutes.

②Displays the name of the incoming caller.

③Touch the icon and sliding the slider to adjust the system volume.

④Touch to turn the microphone on/off.

Icon 

indicate microphone is turn on.

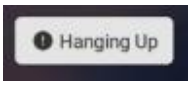
Icon 

indicate microphone is turn off and the other party will not hear the sound of this device.

⑤Touch to open the access control to the incoming caller location.

⑥Touch to answer the call.

⑦Touch hang up.Defaults back to the previous page after hanging up.

Icon 

indicate hang up.

⑧Touch to Screenshot.

⑨Display the camera screen of the incoming device, as shown in Fig. 6.2.3.2(2). If the incoming device does not have a camera, the feed will default to black.

Note: When an incoming call is not answered, there is still displayed opposite camera screen.

6.2.4 Voice message

Voice message card,as shown in Fig.6.2.4,with six modules of intercom functions, top contacts,resident list,dialing keypad,voice message,call record,intercom unlock.Among them,the voice message module displays the message of the other party in the call or the local language message.

Touch the card,pop up the detailed operation page.Voice message are introduced in two parts, greeting and add local voice message, detail operation in chapter 6.2.4.1 and chapter 6.2.4.2.

Fig.6.2.4 Voice message card

6.2.4.1 Greeting

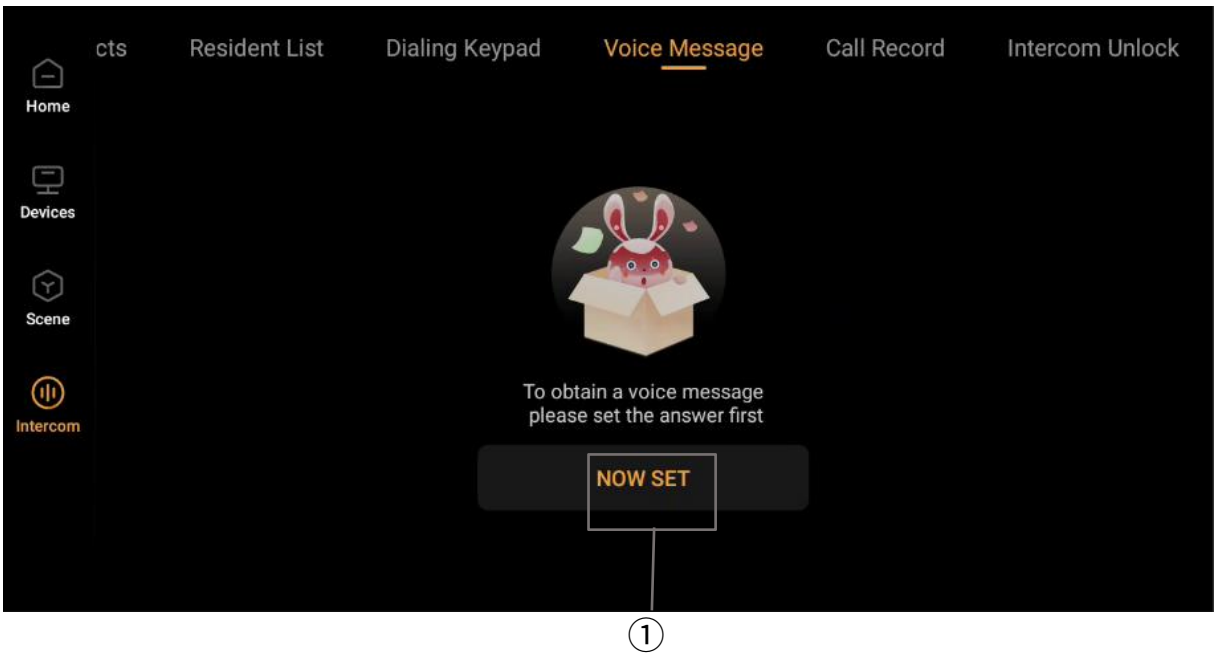


Fig.6.2.4.1(1) Greeting

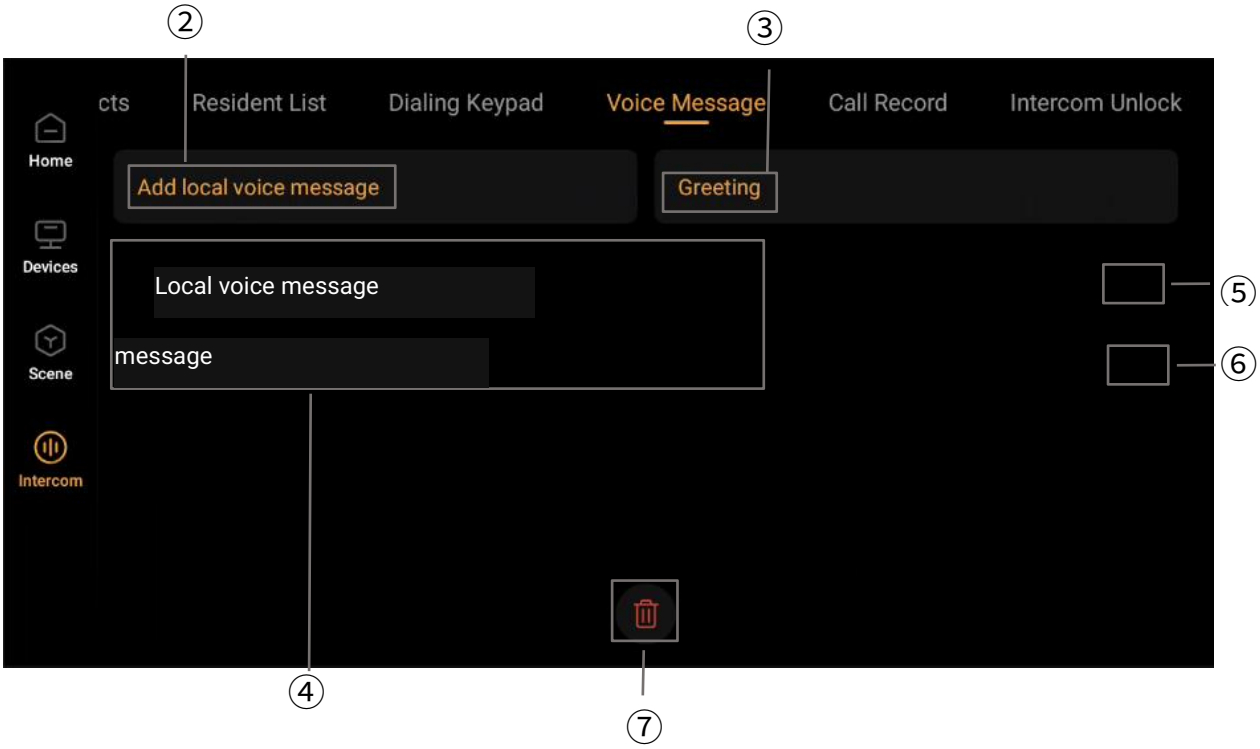


Fig.6.2.4.1(2)

Fig.6.2.4.1(3)

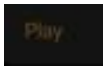
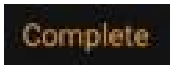
①Touch to enter the greeting setting page。

The voice message function request to set up answering in order to prompt message when the intercom is not answered.

②Touch add local voice message,detail operation in chapter 6.2.4.2.

③Touch add greeting and pop up sub-window,as shown in Fig.6.2.4.1(3).

Icon  indicate voice message is turn on,as shown in Fig.6.2.4.1(3).

Touch icon “  ” to record voice message,touch icon “  ” to play voice message,touch icon  to confirm add the record voice message as incoming call reminder.

Icon  indicate voice message is turn off.

Note：Recording time at least 5s.

④Displays the time and play status of the local voice message. A red dot marks that local voice message is not playing.

⑤Touch play local voice message.

⑥Swipe left on the local voice message entry and the icon  appears, touch on this icon to delete this local voice message.

⑦Touch to delete all records and confirm twice to execute the deletion operation.

6.2.4.2 Add local voice message

Touch the icon  to start recording, count down to the end of 60s or touch the icon  to stop recording.

Note：Recording time at least 5s.

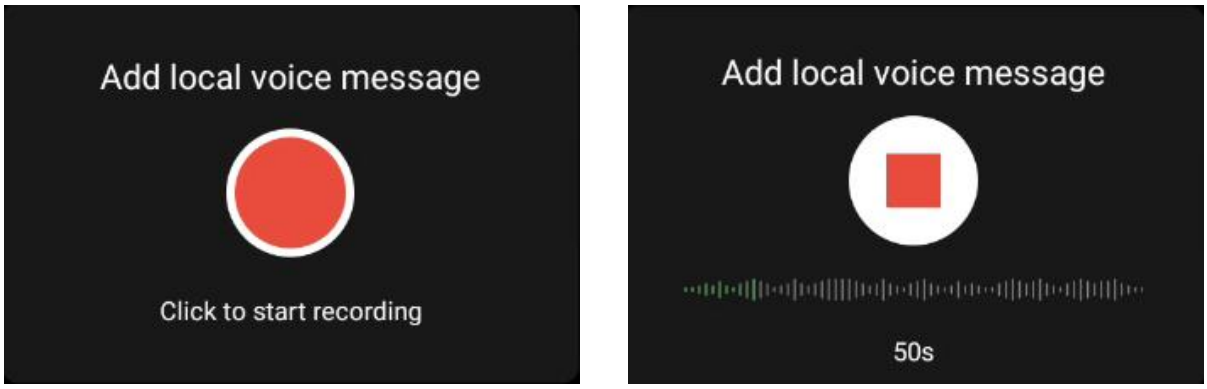


Fig.6.2.4.2(3) Add local voice message

6.2.5 Call record

Call record card,as shown in Fig.6.2.5(1),with six modules of intercom functions, top contacts,resident list,dialing keypad,voice message,call record,intercom unlock.Among them,the call record module displays all call record,including incoming and outgoing.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.5(2).

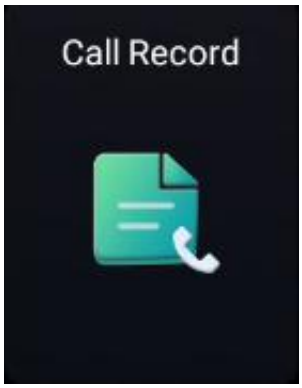


Fig.6.2.5(1) Call record card

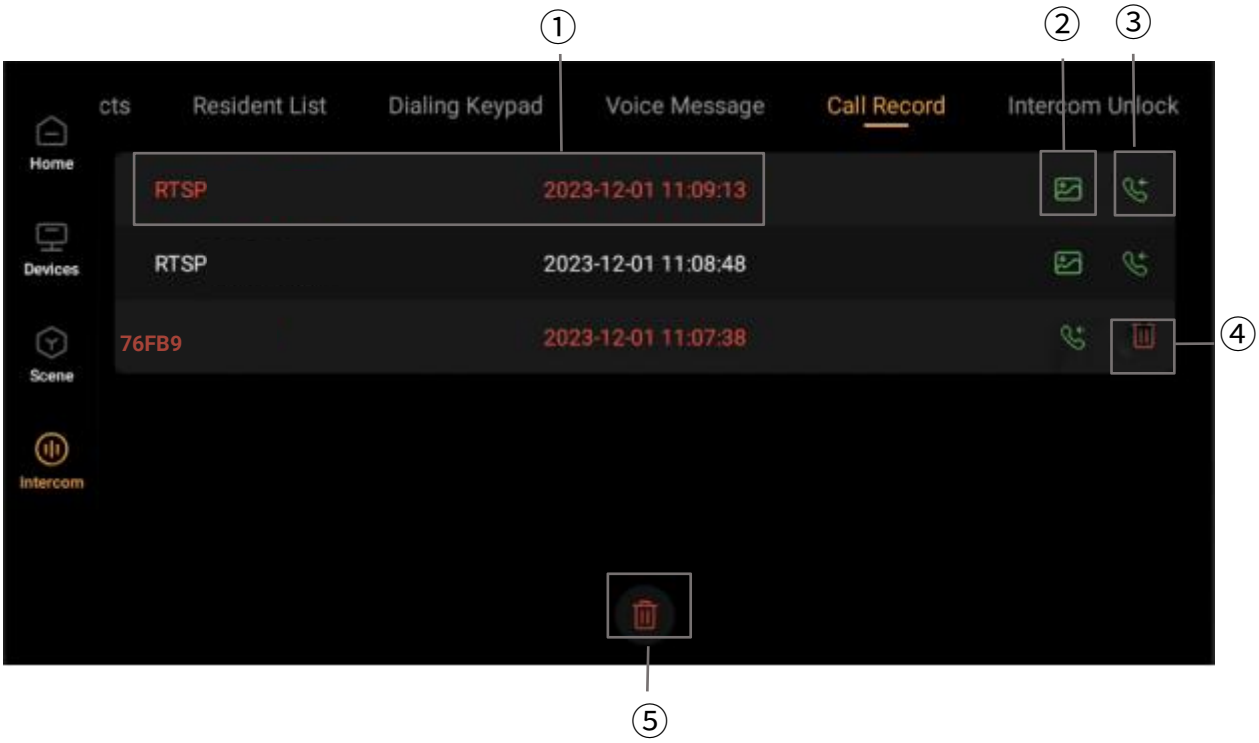


Fig.6.2.5(2) Call record

① Displays the addressee of a call and the time hung up, with a red dot marking missed calls.

②Touch to view the pictures in the outdoor station with monitoring.

③Touch to call back the contact.

④Slide left on the call record entry and the icon  appears,touch on to delete this call record.

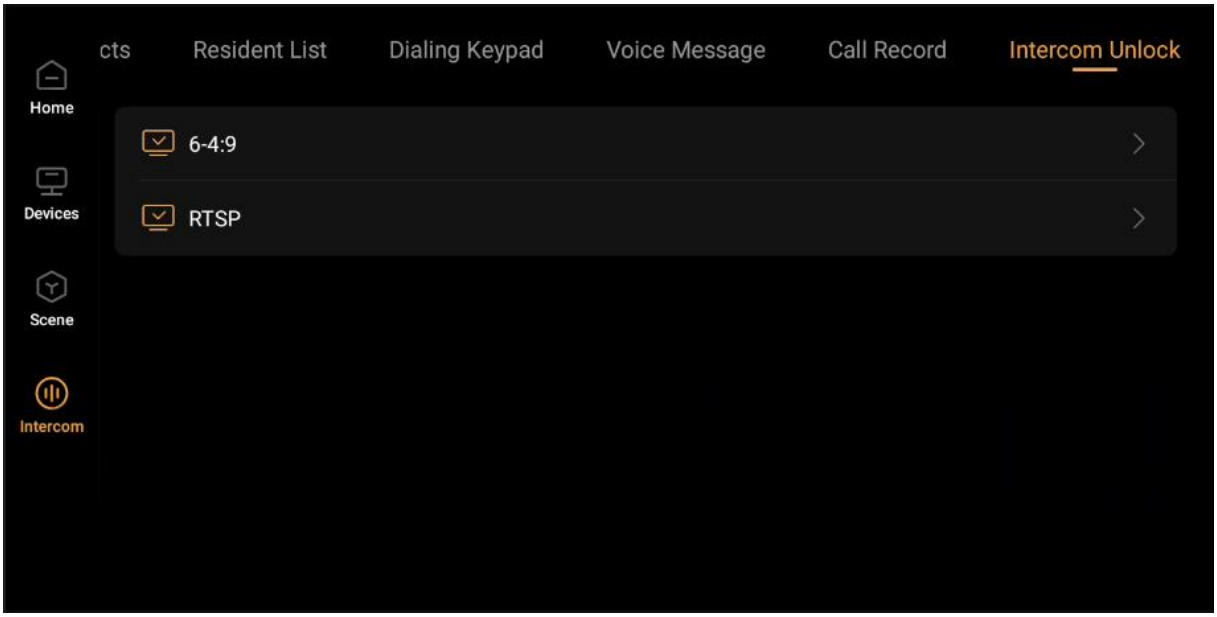
⑤Touch to delete all records and confirm twice to execute the deletion operation.

6.2.6 Intercom unlock

Intercom unlock card,as shown in Fig.6.2.6(1),with six modules of intercom functions, top contacts,resident list,dialing keypad,voice message,call record,intercom unlock.Among them,the intercom unlock module can view the information of outdoor station,such as SIP account,remark name,unlock password.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.6(2).

Fig.6.2.6(1) Intercom unlock card



6.2.6(2) Intercom unlock

6.2.6(3)

Touch the corresponding outdoor station, the page shown in Fig.6.2.6(3),with SIP account,remark name,unlock password.

Note： remark name and unlock password can be customized and modified on the screen.

6.2.7 Call forwarding

Call forwarding card,as shown in Fig.6.2.7(1),used to call other unit devices.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.7(2).

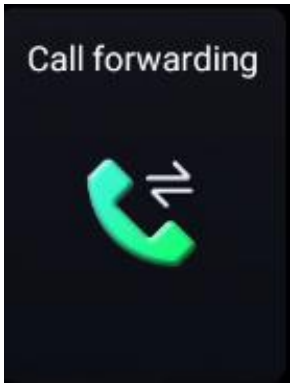


Fig.6.2.7(1) Call forwarding card

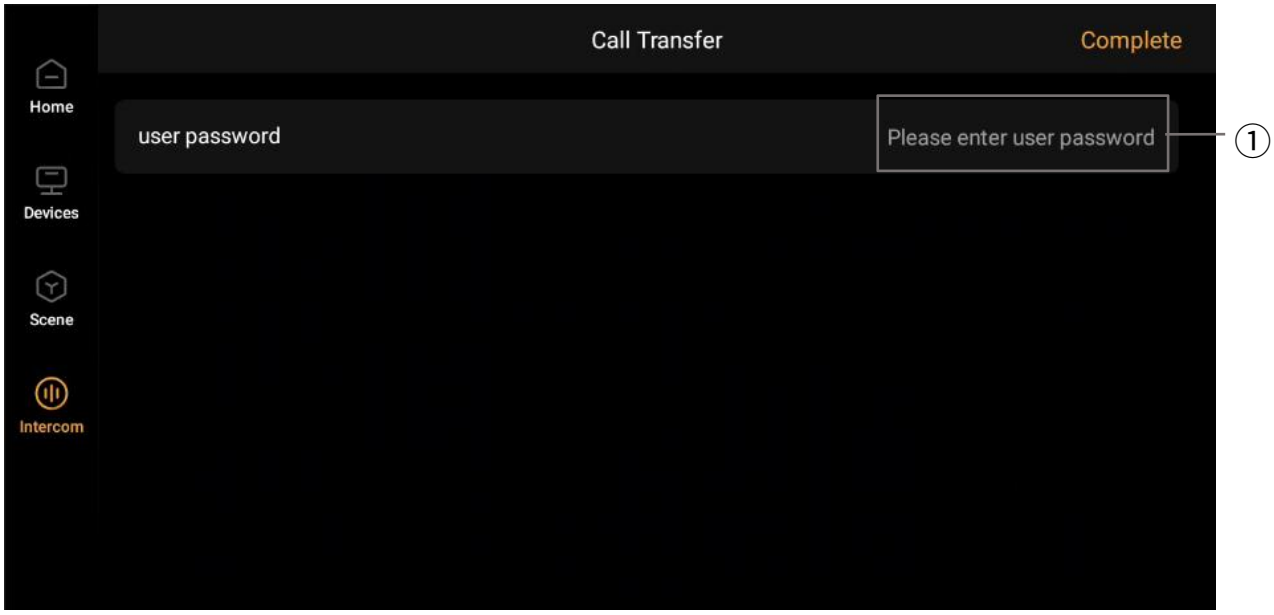


Fig.6.2.7(2)

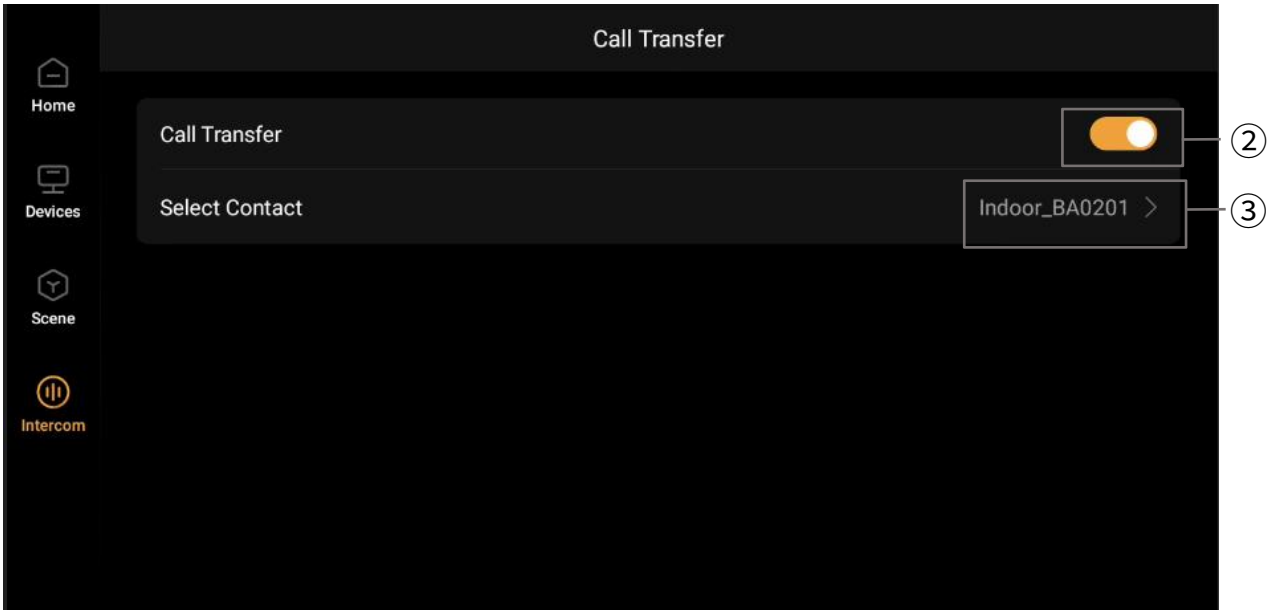


Fig.6.2.7(3) Call forwarding

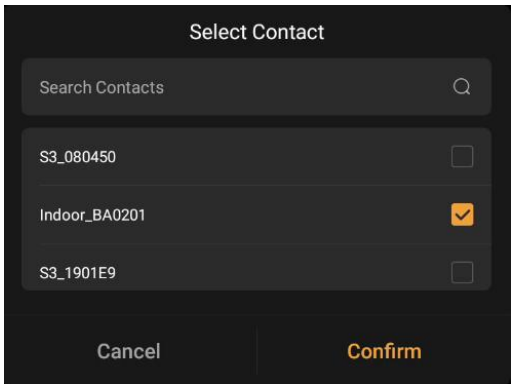


Fig.6.2.7(4)

① Enter the password to enter the call forwarding settings page, as shown in Fig.6.2.7(3).

Default password: 666666.

②Touch to enable/disable call forwarding.

Icon  indicate call forwarding is disable.

Icon  indicate call forwarding is enable, transferring an incoming call to another unit device.

③ Touch to pop up sub-window shown in Fig.6.2.7(4), enter search contacts and confirm to select other unit devices.

6.2.8 Monitor

Monitor card,as shown in Fig.6.2.8(1),with three modules of monitor functions,video surveillance, monitoring record,video monitor device.Among them, the video surveillance module can view the monitoring screen of different devices and record,take photo the monitoring screen. Call the outdoor station and open the access control of the monitoring location.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.8(2).

Fig.6.2.8(1) Monitor card

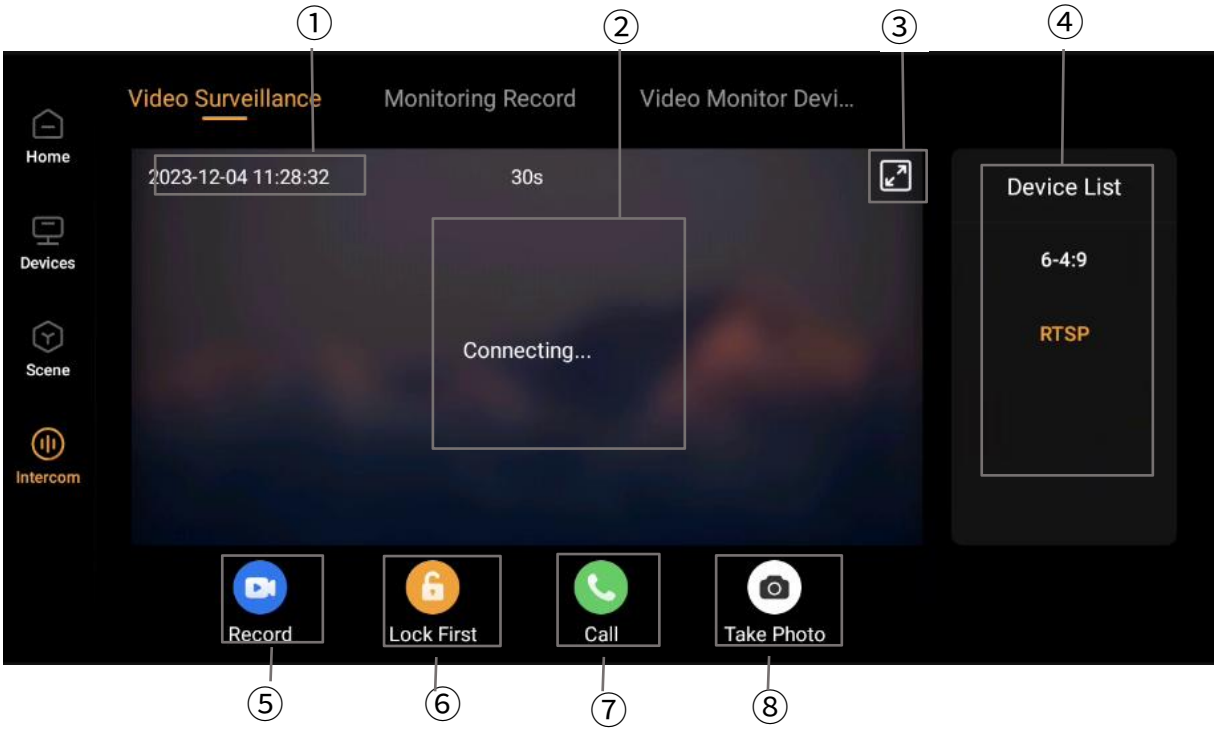


Fig.6.2.8(2) Video surveillance

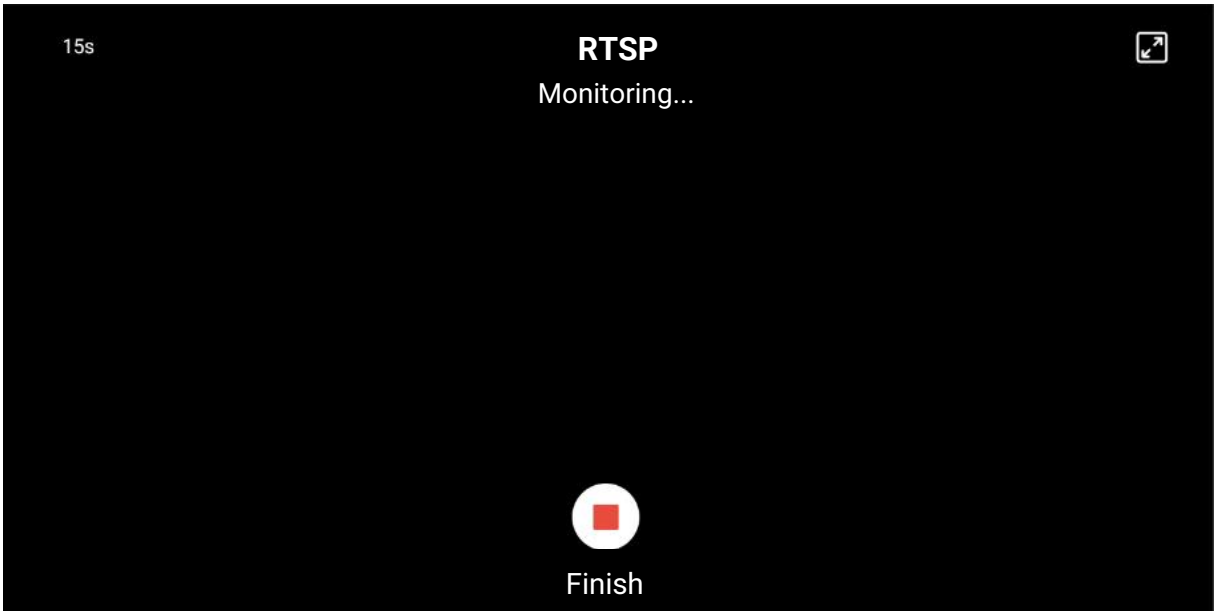


Fig.6.2.8(3)

①Displays the current date and time.

②Displays the screen of the video surveillance. Default load the screen display of the first device.Display the screen content and monitoring countdown after successful connection,the countdown is displayed in the upper right corner,up to 120s,the countdown is finished,exit the monitoring screen,and go back to the intercom home page.

③Touch to display the monitor screen in full screen.

④Display the device list,touch to select different monitoring devices to view.

⑤Touch to bring up the screen shown in Fig. 6.2.8(3) and record the monitor screen. Touch the icon  to end the full screen. Touch the icon  to end the recording.

Video recording supports up to 30s and storing up to 2 videos, more than 2 will overwrite the previous recordings.

⑥Touch to unlock door for the selected monitoring device location.

⑦Touch to call the selected monitoring device.

⑧Touch to take photo of the surveillance screen.

Up to 9 photos can be taken, and more than 9 photos will overwrite the 1st photo taken before.

6.2.9 Monitoring record

Monitoring record card,as shown in Fig.6.2.9(1),with three modules of monitor functions,video surveillance,monitoring record,video monitor device.Among them, the monitoring record module can view the surveillance video or photo.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.9(2).

Fig.6.2.9(1) Monitoring record

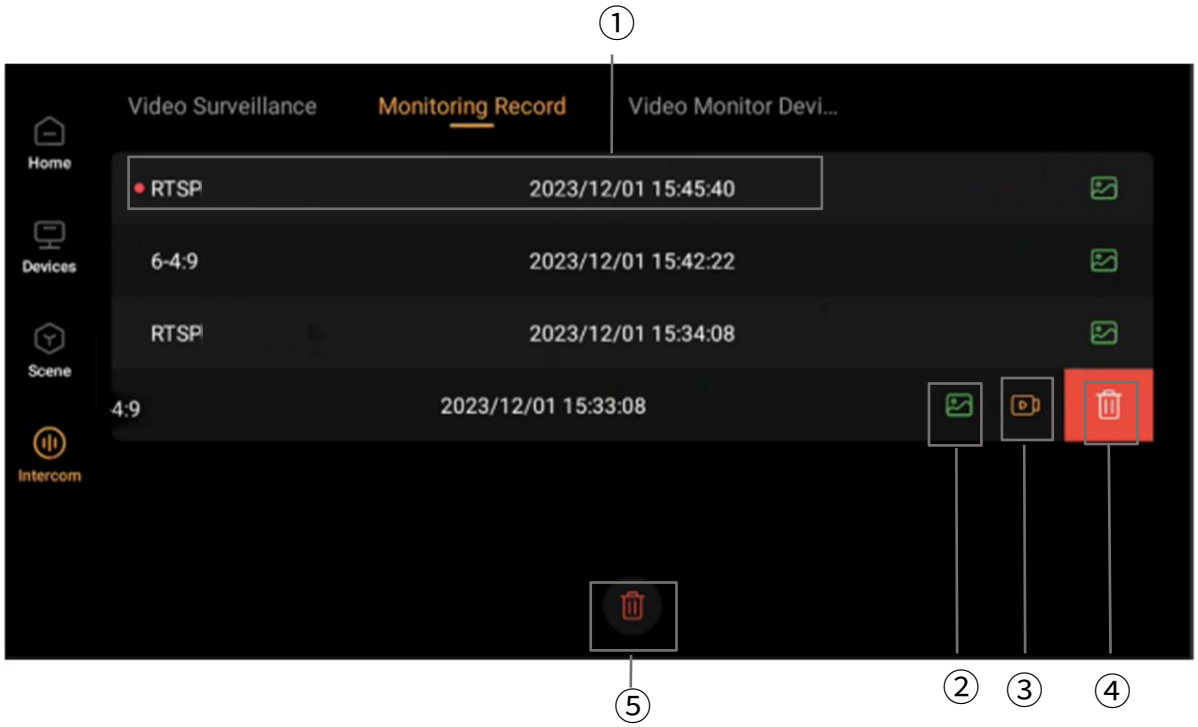


Fig.6.2.9(2) Monitoring record

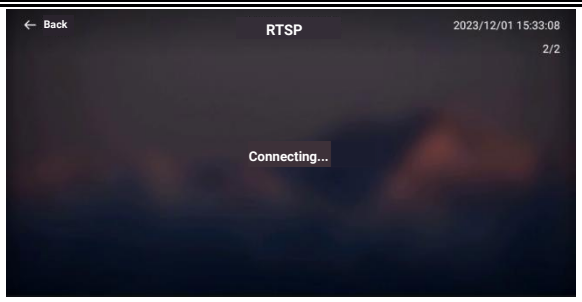


Fig.6.2.9(3) View photos

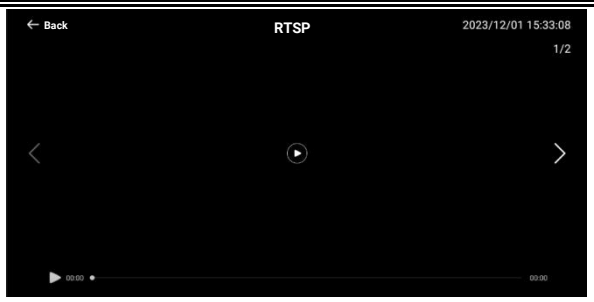


Fig.6.2.9(4) View video

① Displays the name, date and time of the monitoring device. Red dots mark not viewed monitoring records.

② Touch to bring up the page shown in Fig.6.2.9(3) to view the surveillance photos taken by this device.

③ Touch to appear the page shown in Fig.6.2.9(4) to view the surveillance video recorded by this device.

④ Slide left on the monitoring device entry and the icon  appears, touch to delete this monitoring record.

⑤Touch to delete all records and confirm twice to execute the deletion operation.

6.2.10 Video monitor device

Video monitor device card,as shown in Fig.6.2.10(1),with three modules of monitor functions,video surveillance,monitoring record,video monitor device.Among them, the video monitor device module can add video monitor device.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.10(2).

Fig.6.2.10(1) Video monitor device card

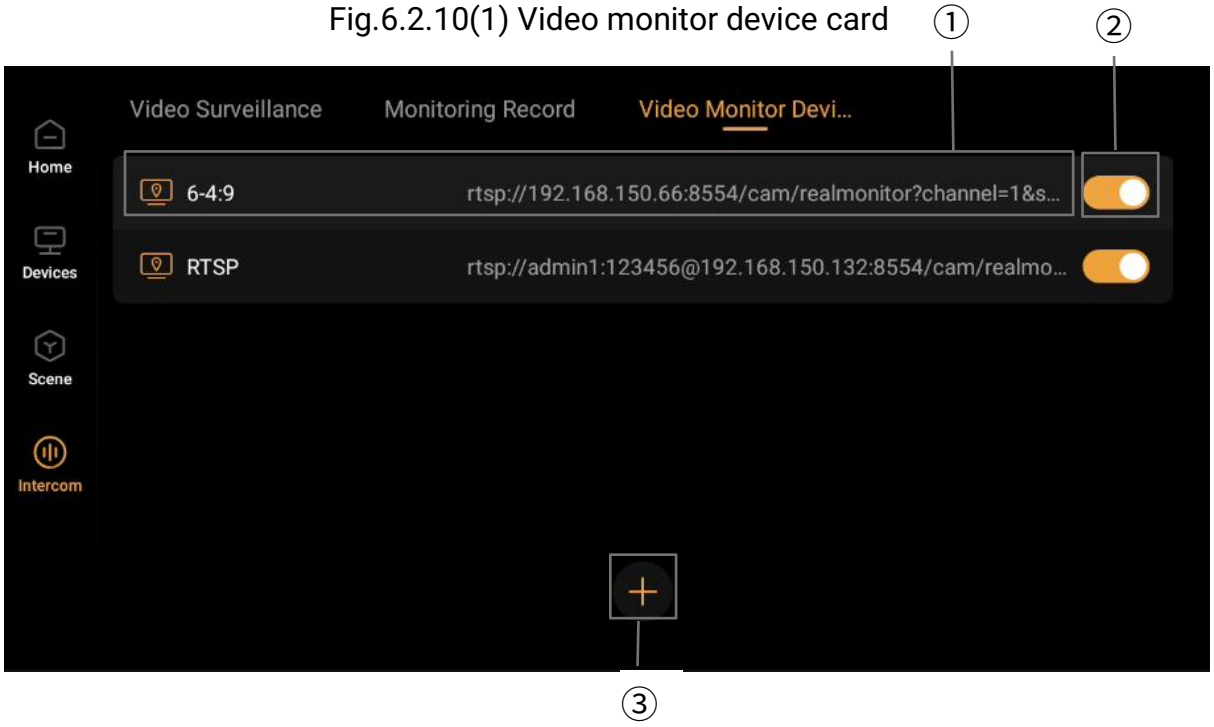


Fig.6.2.10(2) Video monitor device

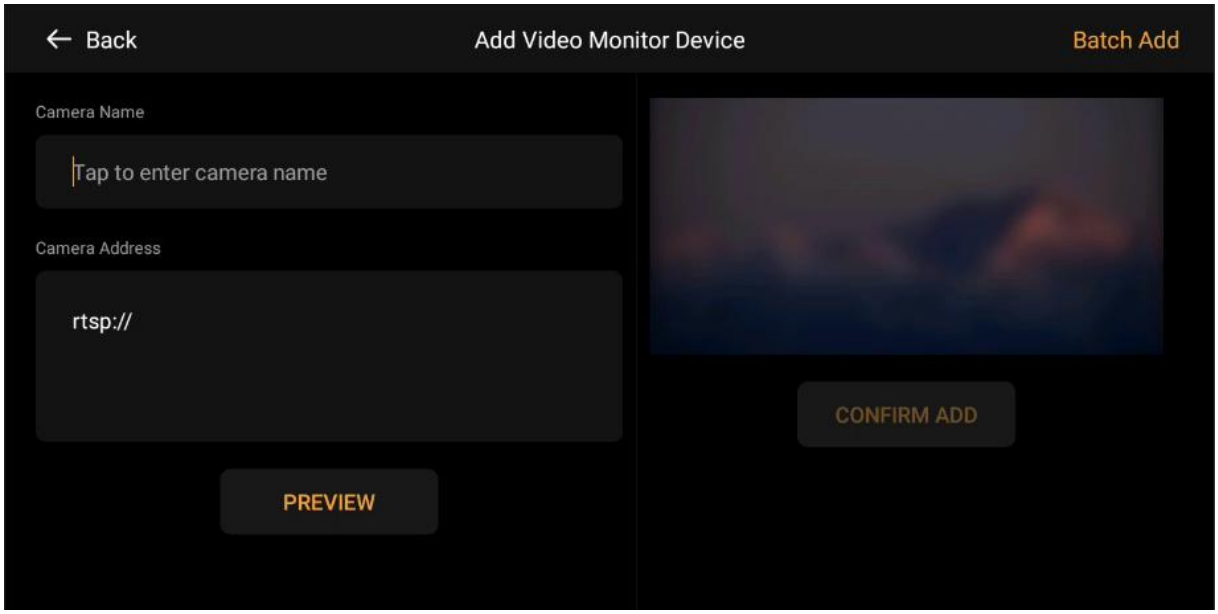


Fig.6.2.10(3)

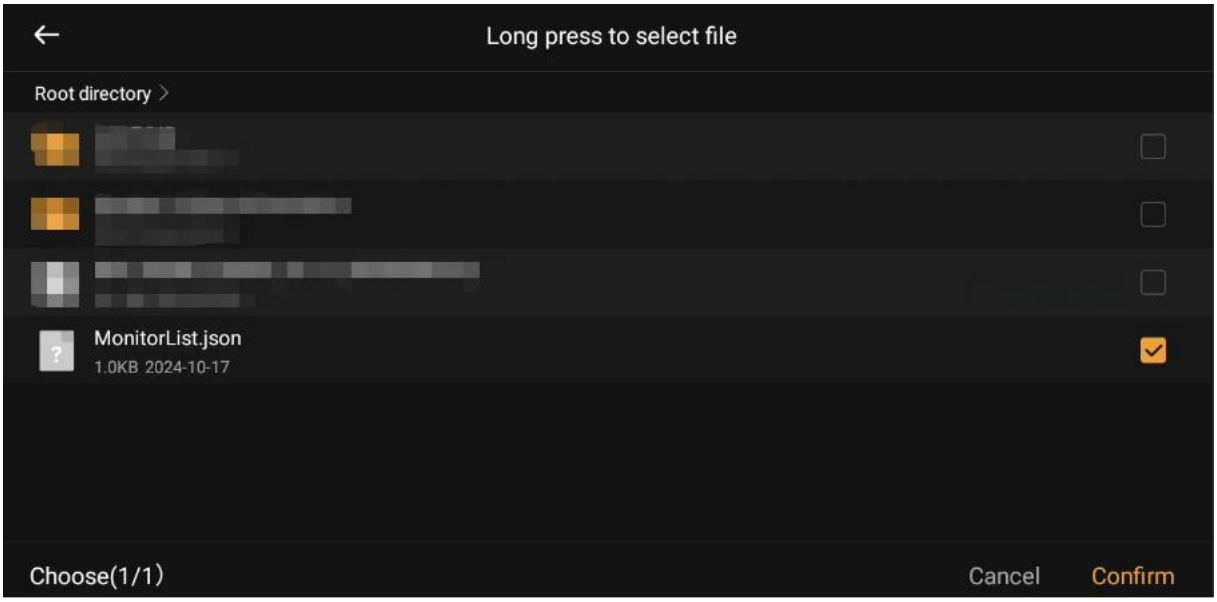


Fig.6.2.10(4)

①Displays the name and address of the monitoring device.

②Touch to turn on/off the monitoring device.

Icon  indicate turn off the monitoring device.

Icon  indicate turn on the monitoring device.

③Touch to appear the page shown in Fig.6.2.10(3),tap to enter camera name and address, touch "Preview", you can see the camera screen on the right side of the area, touch "Confirm Add" to add the monitoring device.

Note:Add up to 64 video Monitor Device.

④Click to import the RTSP address of IP camera via Type-C interface, as shown in Figure 6.2.10(4).

Long press to select the file and click “Confirm” to batch import the RTSP addresses in the file.

6.2.10.1 IP Camera Resource Creation Requirements

Open the template file “MonitorList”, as shown in Figure 6.2.10(4), you can customize the IP camera name and modify the RTSP address. The detail operations are as follows:

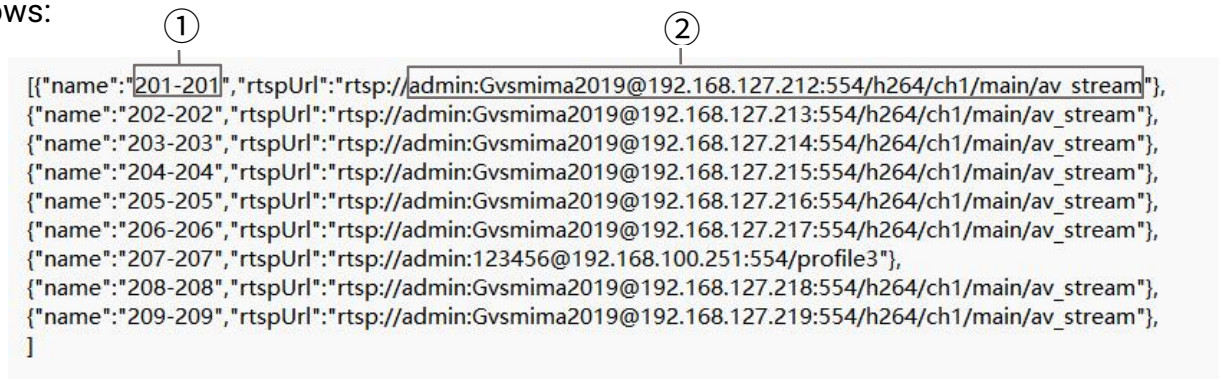


Fig.6.2.10(4)

①Click to modify the IP camera name, no spaces, special characters and more than 16 bytes are allowed.

②Click to modify the RTSP address of the IP camera.

Note：the file suffix is .json.

Such as：MonitorList.json. No spaces or special characters are allowed.

6.2.11 Arm/Disarm

Arm/Disarm card,as shown in Fig.6.2.11,with three modules of alarm functions,arm and disarm,alarm settings,defense zone settings.It is used to set up arm/leave home. This machine does not come with dry contact page, all arming devices are KNX virtual devices, can arm and disarm, alarm setting, and defense zone setting operations on the screen.

Touch the card,pop up the detailed operation page,detail operation in chapter 6.2.11.1-6.2.11.3.

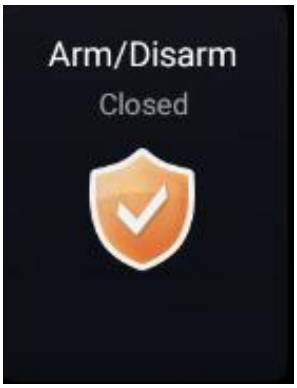


Fig.6.2.11 Arm/Disarm card

6.2.11.1 Arm and Disarm

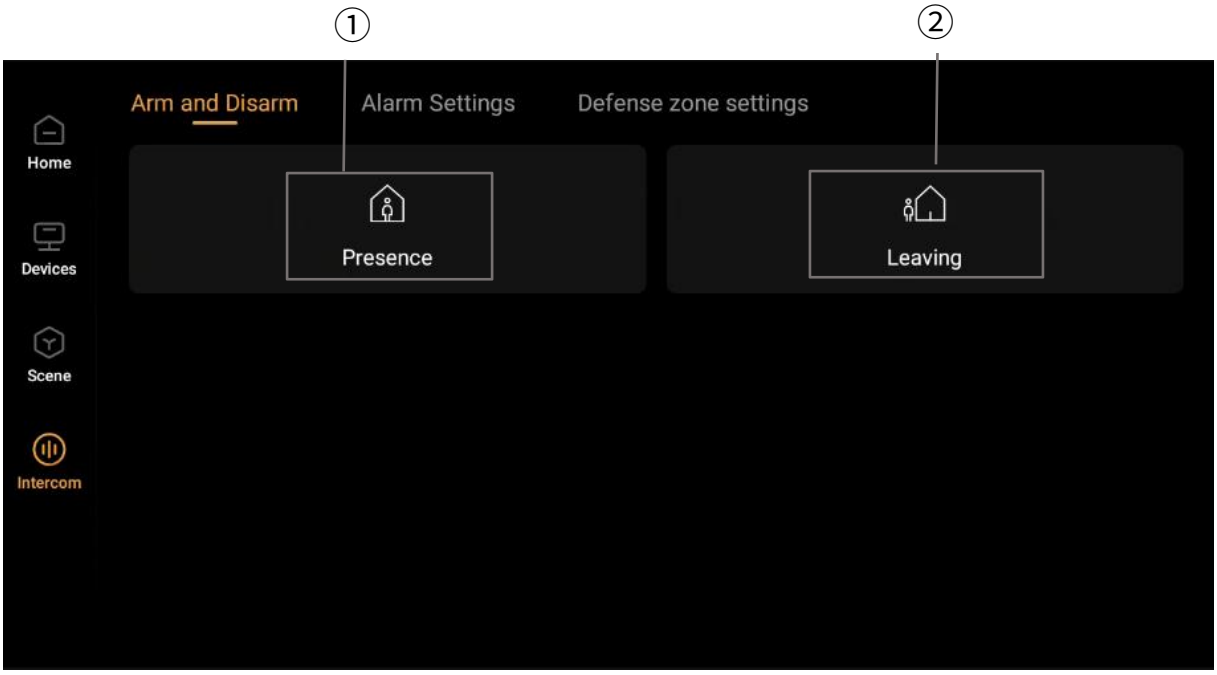
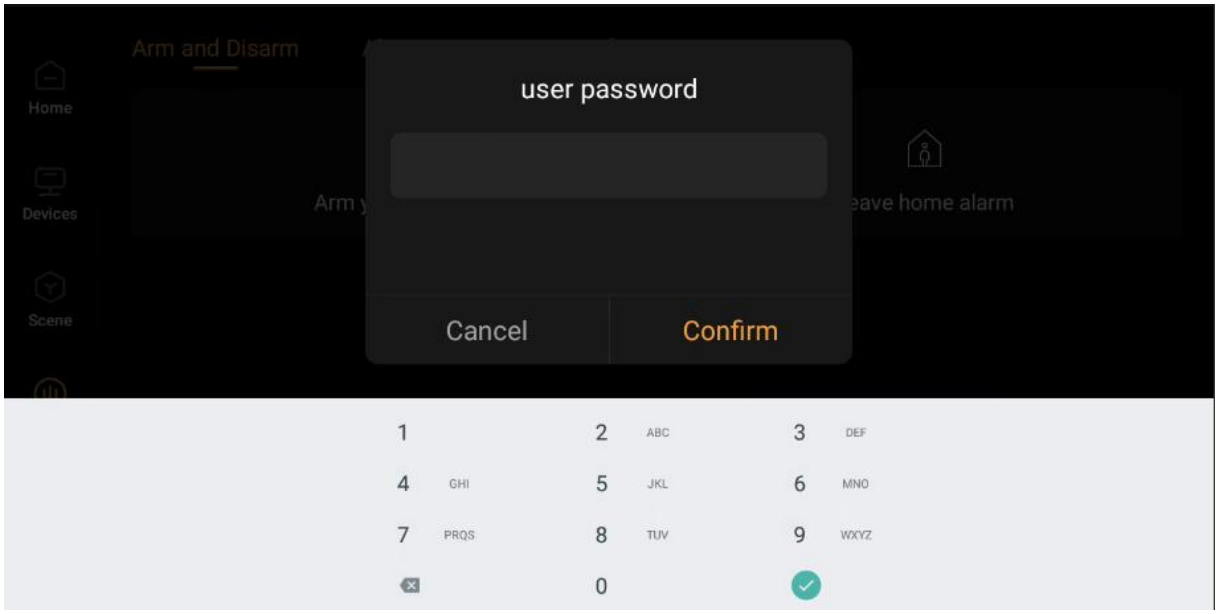


Fig.6.2.11.1(1) Arm and Disarm



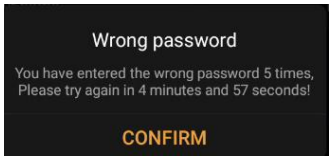
6.2.11.1(2)

①Touch to pop up sub-window shown in Fig.6.2.11(2),enter the user password and confirm,then enter presence,user needs to leave defense zone in the delay time.Default password: 666666, the arm/disarm password can be changed in Settings-Password.

Icon  indicates enable presence.

Icon  indicates disable presence.

Note: If enable password error lock in the settings, a warning pop up icon



will appear if you enter the wrong password 5 times.

②Touch to pop up sub-window shown in Fig. 6.2.11(3),enter the user password and confirm,then enter leaving,user needs to leave defense zone in the delay time.Default password: 666666, the arm/disarm password can be changed in Settings-Password.

Icon  indicates enable leaving.

Icon  indicates disable leaving.

Note:

1.To switch arming modes, you need to undo another arming state before you can select a new arming mode.

2.You can only choose one for presence or leaving, not both at the same time.

6.2.11.2 Alarm settings

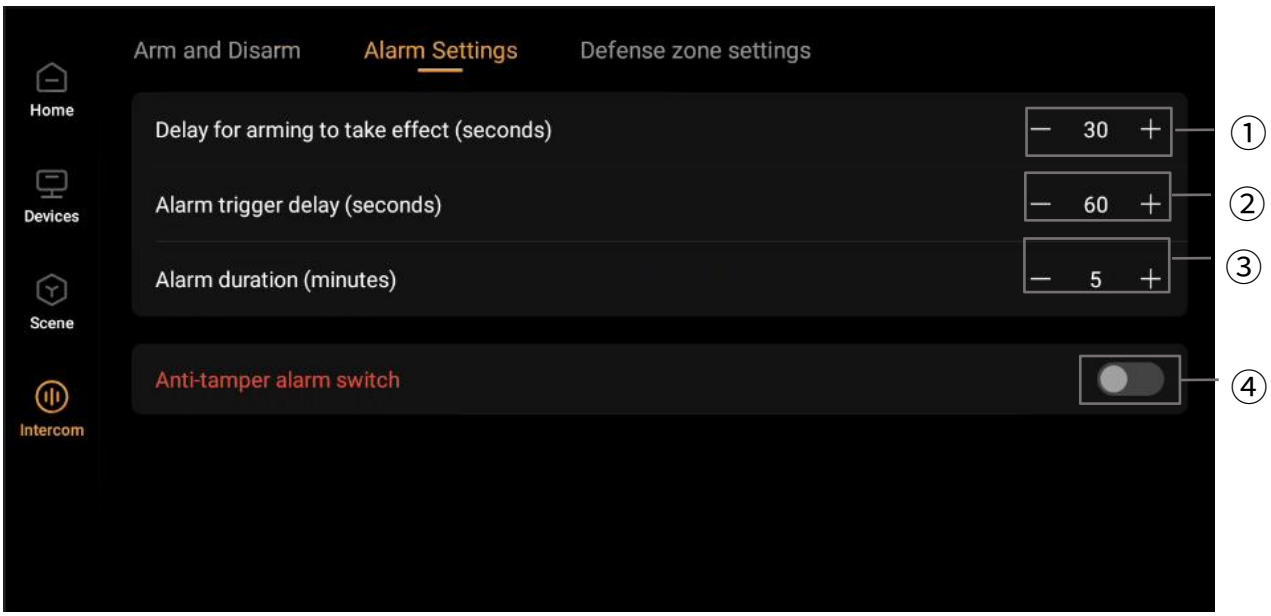


Fig.6.2.11.2 Alarm settings

①Setting the delay for arming to take effect.Adjustable time range is 0~60s.

Touch icon  indicates reduced delay time.

Touch icon  indicates increase delay time.

②Setting the alarm trigger delay.Adjustable time range is 0~60s.

Touch icon  indicates reduced delay time.

Touch icon  indicates increase delay time.

③Setting the alarm duration.Adjustable time range is 5~30min.

Touch icon  indicates reduced delay time.

Touch icon  indicates increase delay time.

Note：When the arming mode is turn on, the time cannot be adjusted and ① ② ③ cannot be operated.

④Touch to enable/disable anti-tamper alarm switch.

Icon  indicates enable the anti-tamper alarm switch.

Icon  indicates disable the anti-tamper alarm switch.

Note：All of the above alarm messages are recorded in the alarm record.

6.2.11.3 Defense zone settings

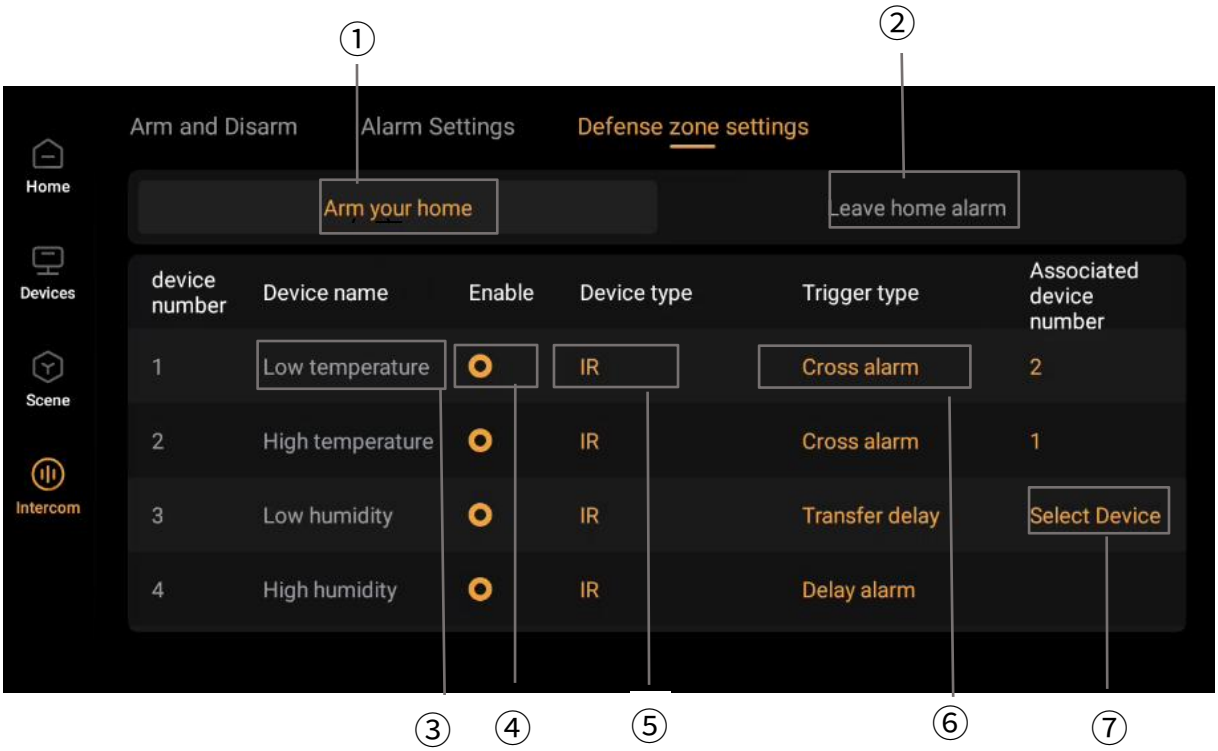


Fig.6.2.11.3(1) Defense zone settings

Fig.6.2.11.3(2) Device type

Fig.6.2.11.3(3) Trigger type

device number	Device name	Enable	Device type	Trigger type	Associated device number
1	Low temperature		IR	Cross alarm	2
2	High temperature		IR	Cross alarm	1
7	VOC alarm		IR	Cross alarm	8
8	AOI alarm		IR	Cross alarm	7

Fig.6.2.11.3(4)

3	Low humidity		IR	Transfer delay	Select Device
4	High humidity		IR	Delay alarm	

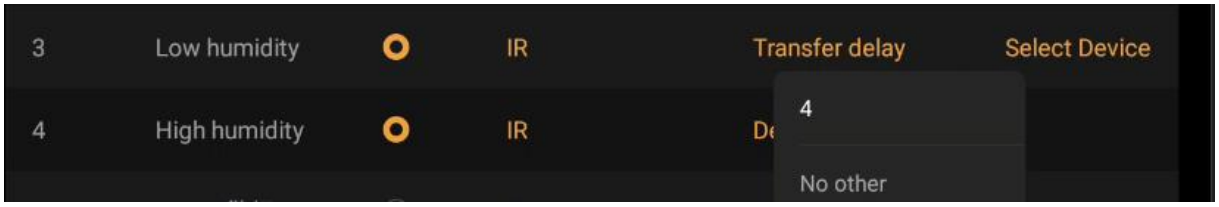


Fig.6.2.11.3(5)

①Touch to enter the arming at Home page.

②Touch to enter the leave home Arm page.

③Display device name.

④Touch to enable/disable device alarm.

Touch icon  indicates enable device alarm.

Touch icon  indicates disable device alarm.

⑤Display device type.Touch to pop up sub-window shown in Fig.6.2.11.3(2) to select different device type.

⑥Display trigger type.Touch to pop up sub-window shown in Fig.6.2.11.3(2) to select different trigger type.

Report within 24 hours：The system detects when it is powered up and is not affected by arming and disarming.The defense zone is triggered and an alarm is issued immediately.

Delay alarm：If it is triggered after arming, it will enter the alarm delay countdown time, users can disarm within the countdown time, otherwise the alarm will be issued immediately after the time is up.

Transfer delay： It needs to be associated with delay defense zone.After arming, the alarm will be triggered as soon as the zone is triggered before the delay zone.

If the delay defense zone is triggered first, it will enter the trigger countdown, and the user can disarm within the countdown time, otherwise the alarm will be triggered immediately after the time is up.

Trigger Alarm now：After arming, raise an alarm as soon as it is triggered.

Cross alarm：It requires triggered in conjunction with two defense zones.After arming, when cross defense zone one is triggered and cross defense zone two is triggered within 5s, the alarm will be issued immediately, otherwise will no alarm.

Note: Only the low/high temperature alarm, VOC/AQI alarm trigger types with cross alarms.

⑦Display associated device number.

Note：

1.Low/high temperature alarms and VOC/AQI alarms can be correlated with each other when cross alarms are selected for the trigger type. As shown in Fig.6.2.11.3(4).

2.The other associated trigger types must have a delay alarm and transfer delay to be associated. As shown in Fig.6.2.11.3(5). Touch to select the associated device.

6.2.12 Alarm record

Arm record card,as shown in Fig.6.2.12(1),touch the card to view the detailed alarm record,such as alarm type,alarm equipment,alarm content,alarm time and processing status,as shown in Fig.6.2.12(2).

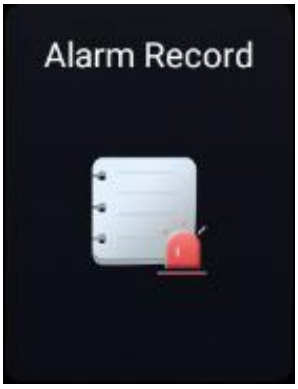


Fig.6.2.12(1) Alarm record card

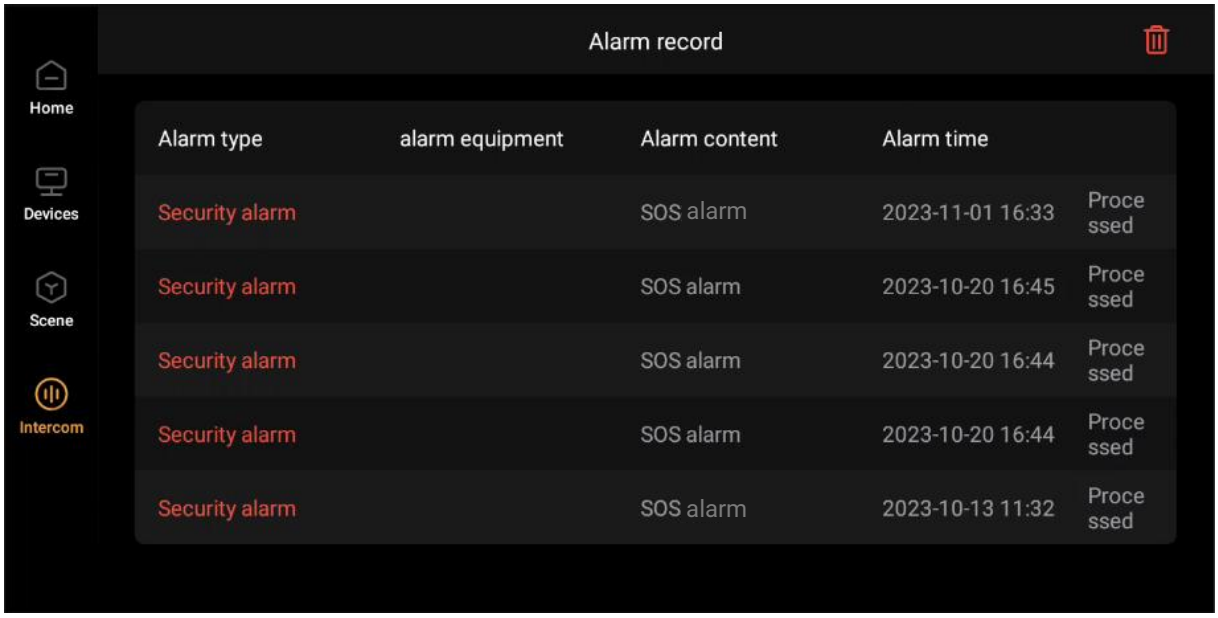


Fig.6.2.12(2) Alarm record

6.2.13 SOS

SOS card,as shown in Fig.6.2.13(1).Long press the card to enter the SOS page,as shown in Fig.6.2.13(2).When touch disarm,the pop up a sub-window as shown in Fig. 6.2.13(3),enter user password and touch confirm to disarm. The default password is: 666666.

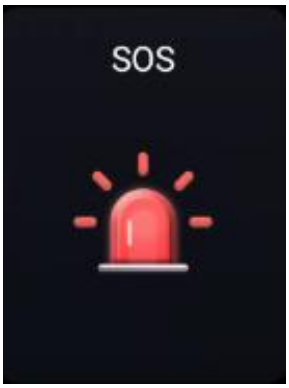
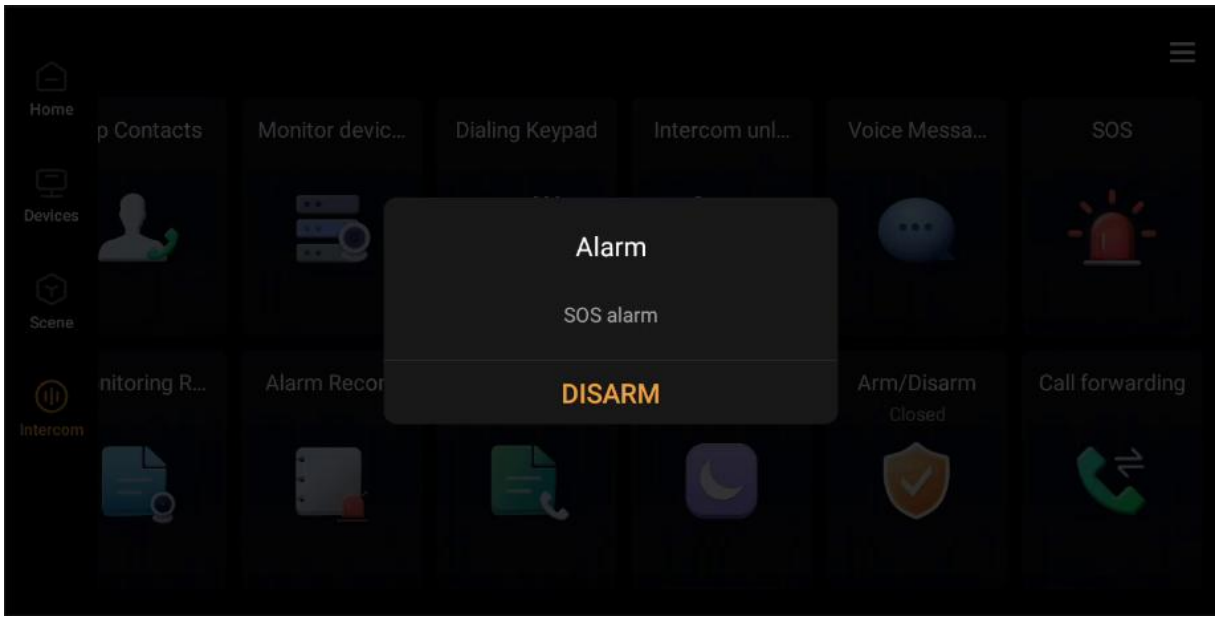
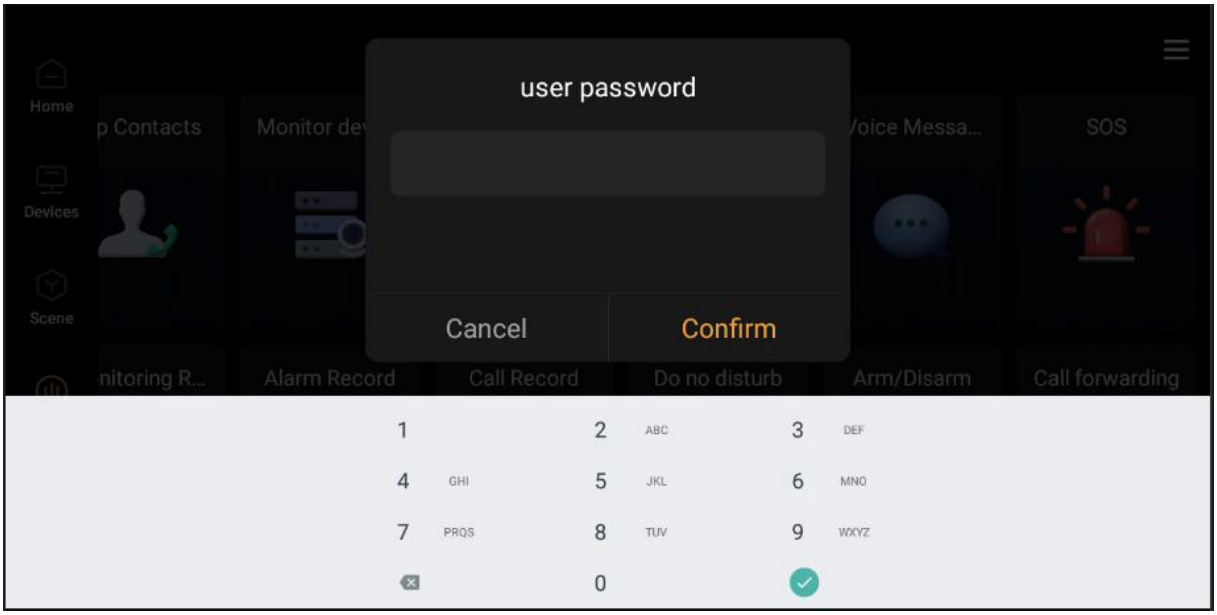


Fig.6.2.13(1) SOS card



6.2.13(2)


user password
Cancel
Confirm
Home
Devices
Scene
p Contacts
Monitor dev
Voice Messa...
SOS
nitoring R...
Alarm Record
Call Record
Do no disturb
Arm/Disarm
Call forwarding
1
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PRQS
8 TUV
9 WXYZ
0

6.2.13(3)

6.2.14 Do no disturb

Do no disturb card,as shown in Fig.6.2.14(1),is used to set enable do not disturb, and start/end/repeat time.

Touch the card,pop up the detailed operation page,as shown in Fig.6.2.14(2).

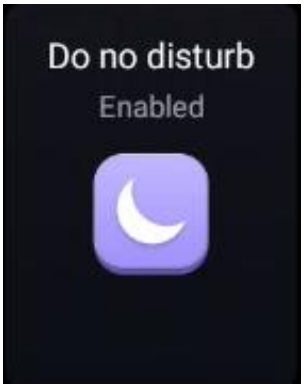


Fig.6.2.14(1) Do no disturb card

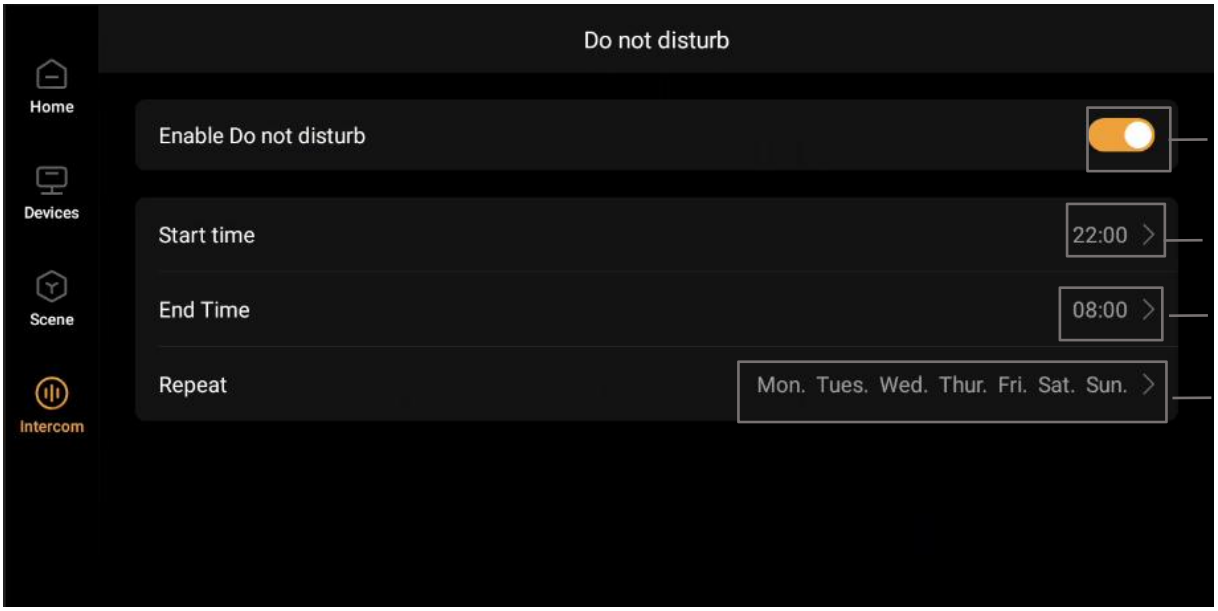
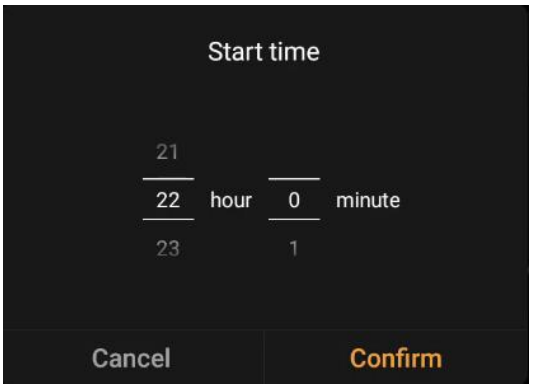
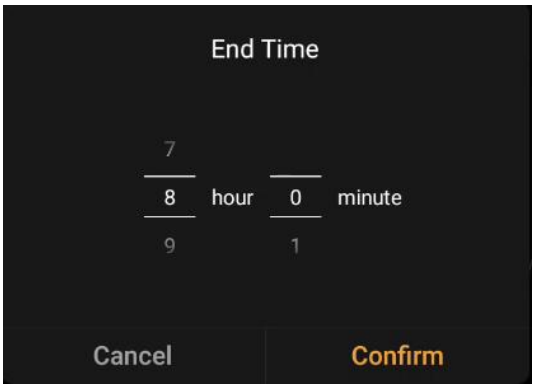


Fig.6.2.14(2) Do no disturb



6.2.14(3)



6.2.14(4)

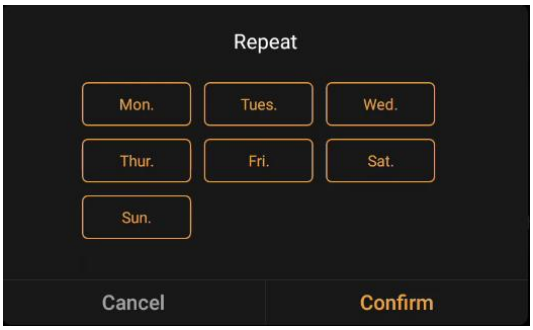


Fig.6.2.14(5)

①Touch to enable/disable do not disturb.

Icon  indicates enable do not disturb.

Icon  indicates disable ado not disturb.

②Touch to pop up sub-window shown in Fig.6.2.14(3),slide the number and confirm to set the do not disturb start time.

③Touch to pop up sub-window shown in Fig.6.2.14(4),slide the number and confirm to set the do not disturb end time.

④Touch to pop up sub-window shown in Fig.6.2.14(5),slide the number and confirm to set the do not disturb repeat.

Note: Icons ② ③ ④ appear only when the do not disturb is turn on.

6.2.15 Broadcast

A broadcast domain exists in the same LAN by default, all broadcast devices can broadcast to this broadcast domain.

Broadcast card is shown in Fig. 6.2.15(1), touch the card to enter the broadcast detail page then enable/disable the broadcast function, you can view the channel list, send broadcasts and receive broadcasts, edit/add broadcast channels. Detail operation in chapter 6.2.15.1-6.2.15.3.

Note: The broadcast function is only applicable to software version 4.1.0 or above.

6.2.15 Broadcast card

6.2.15.1 View the channel list

Turn on the broadcast switch enables the broadcast function, synchronizes and display all broadcast channels within the S7. As shown in Figure 6.2.15.1(1).

Turn off the broadcast switch disables the broadcast function, does not display all broadcast channels within the S7, and does not support receiving broadcasts or sending out broadcasts externally. As shown in Figure 6.2.15.1(2).

Slide left in the list of broadcast channels, the icon “  ” appears, touch on to delete this broadcast channel.

Fig.6.2.15.1(1)Turn on the broadcast switch

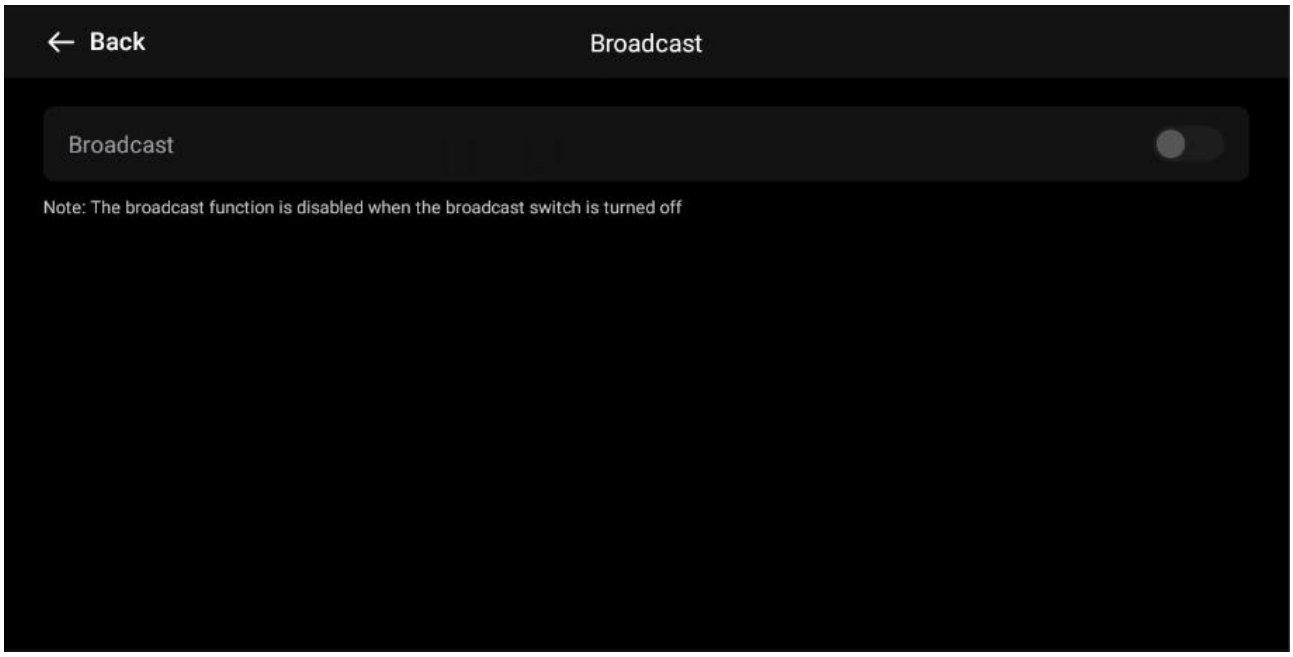


Fig.6.2.15.1(2)Turn off the broadcast switch

6.2.15.2 Send broadcasts

The broadcast channel list is shown in Fig. 6.2.15.2(1). Select the corresponding broadcast channel to send broadcast content. The specific operations are as follows:

6.2.15.2(1) Broadcast channel list

In the broadcast channel list, touch to select the channel, as shown in Fig. 6.2.15.2(2), click “Start broadcast”, you can send out the broadcast to all the devices in the broadcast channel, as shown in Fig. 6.2.15.2(3), it will show the remaining time of the broadcast, and the broadcast will be up to 30s.

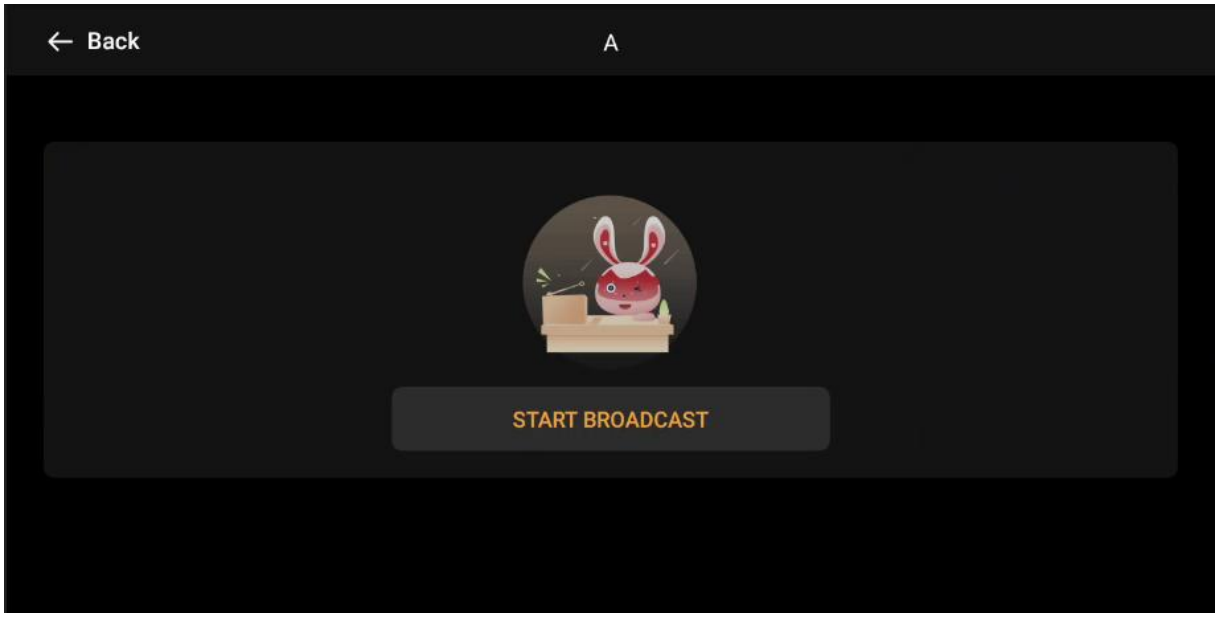


Fig. 6.2.15.2(2)

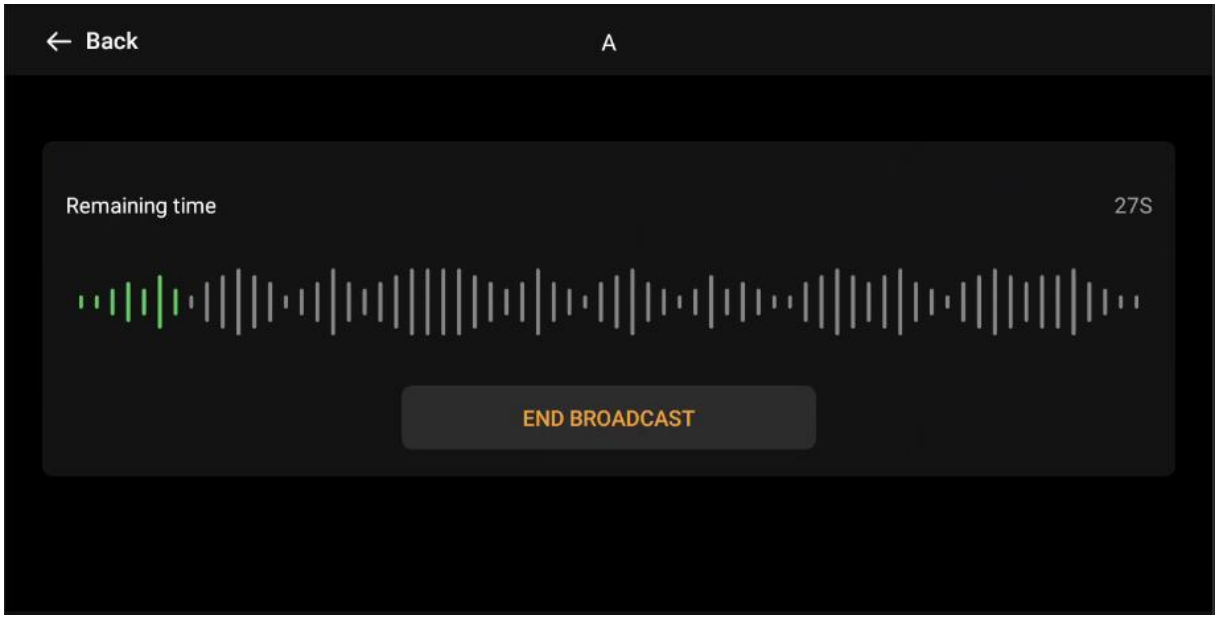


Fig. 6.2.15.2(3)

6.2.15.3 Receive broadcasts

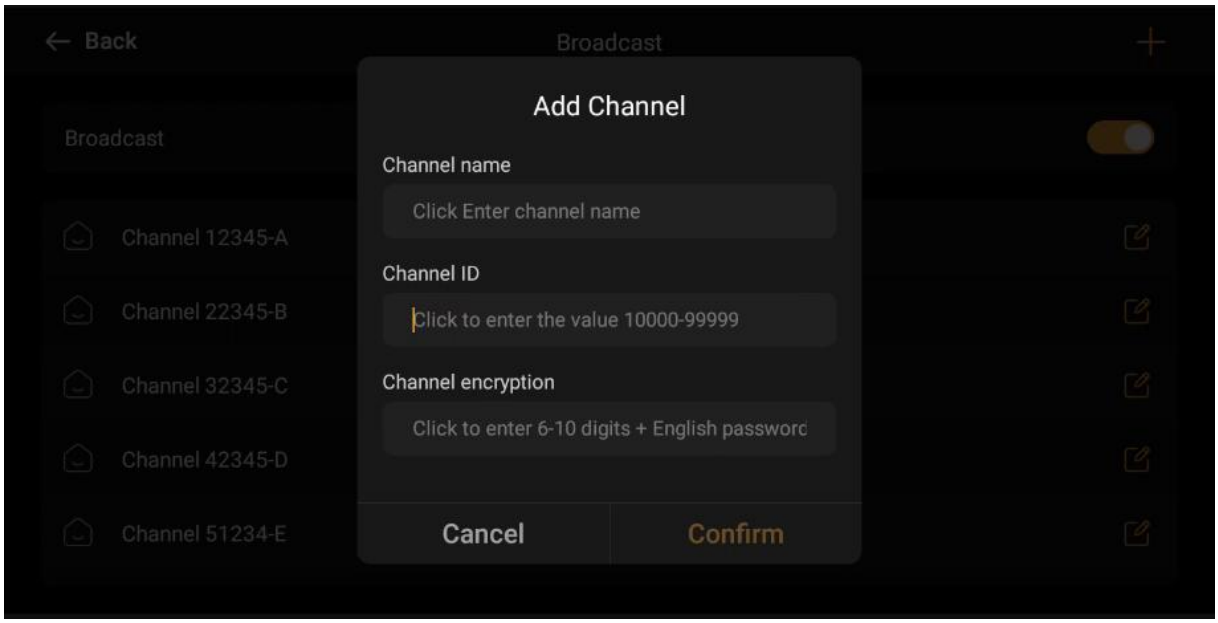
By default, it monitor to broadcast messages from all activated channels. If it monitor to unencrypted broadcast, it will decode the broadcast directly. If it monitor to encrypted broadcast, it will decode the broadcast according to the key, if there is no key or the key is incorrect, it will ignore this broadcast.

6.2.15.4 Add/Edit channel

Touch the icon “  ” to add channel, and the corresponding operation details page will pop up, as shown in Figure 6.2.15.4(1). Click the icon “  ” to edit channel.

The following will take the add channel as an example to illustrate, the operation of the edit channel is similar to the add channel, not repeat detailed descriptions here.

The specific operations are as follows:



6.2.15.4(1)Add channel

Channel name: User-defined, input length is 1~18 characters, can not be empty or space.

Channel ID: Enter family channel ID, the default range is 10000-99999, you must enter 5 digits, more than 5 digits will not be displayed, if less than 5 digits, it will prompt “The channel ID is 10000-99999”, as shown in Fig. 6.2.15.4(2).

If you add duplicate channels, it prompts “The channel ID already exists. Please reset

ID", as shown in Fig. 6.2.15.4(3).

Channel encryption: Enter 6-10 digits + English password, can not be empty.

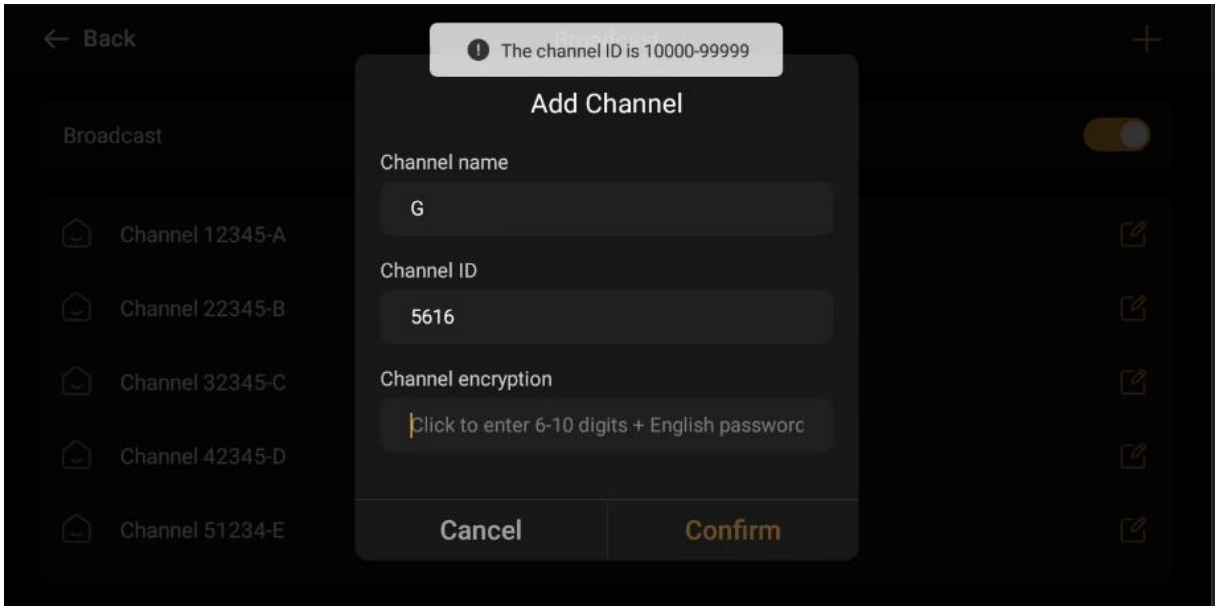


Fig.6.2.15.4(2) The channel ID is 10000-99999

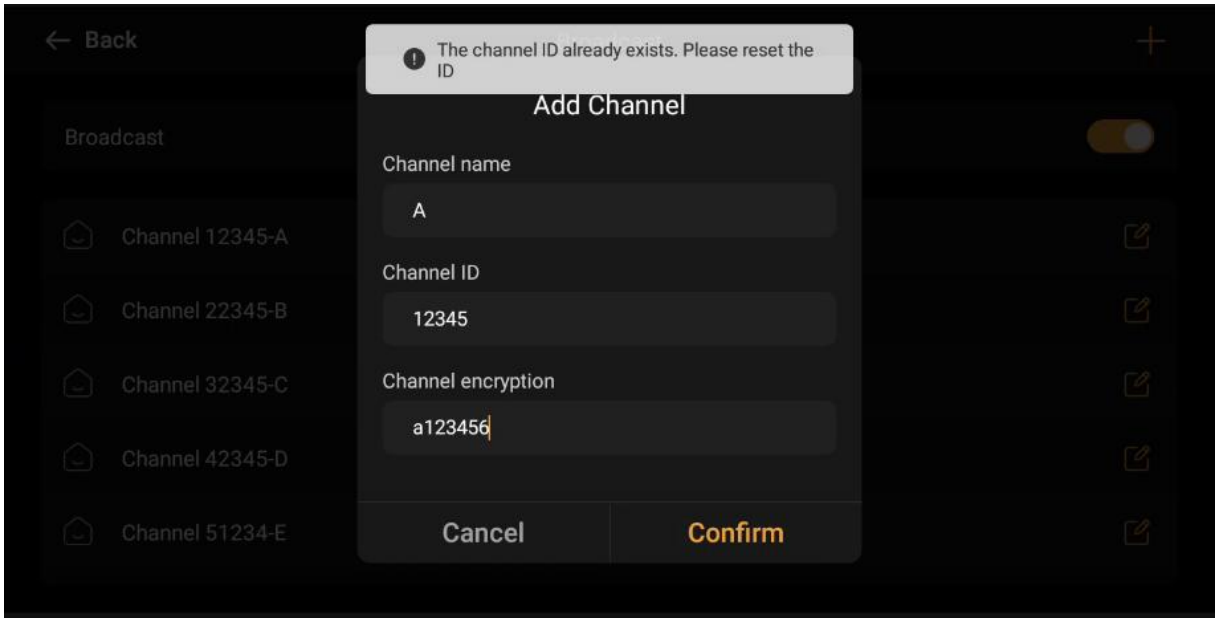


Fig.6.2.15.4(2) The channel ID already exists. Please reset ID

6.2.16 Latest News

When the community is not bound, the latest news card is shown as in Fig. 6.2.15(1); after binding the community, display the property notice, as shown in Fig. 6.2.15(2).

Note：After binding the device to a community, you can receive property notice.

Community binding process： Click on settings - project setting - community identification code - manually enter the community identification code you want to join -confirm。（Detail operation in chapter 8.13）

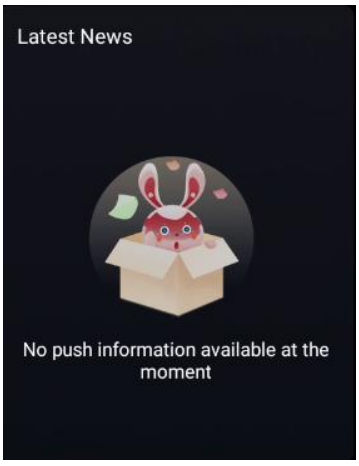


Fig.6.2.15(1)

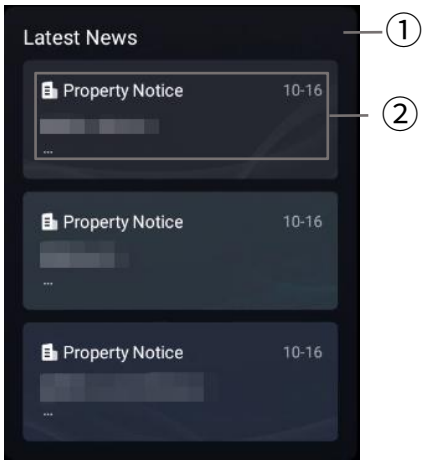


Fig.6.2.15(2)

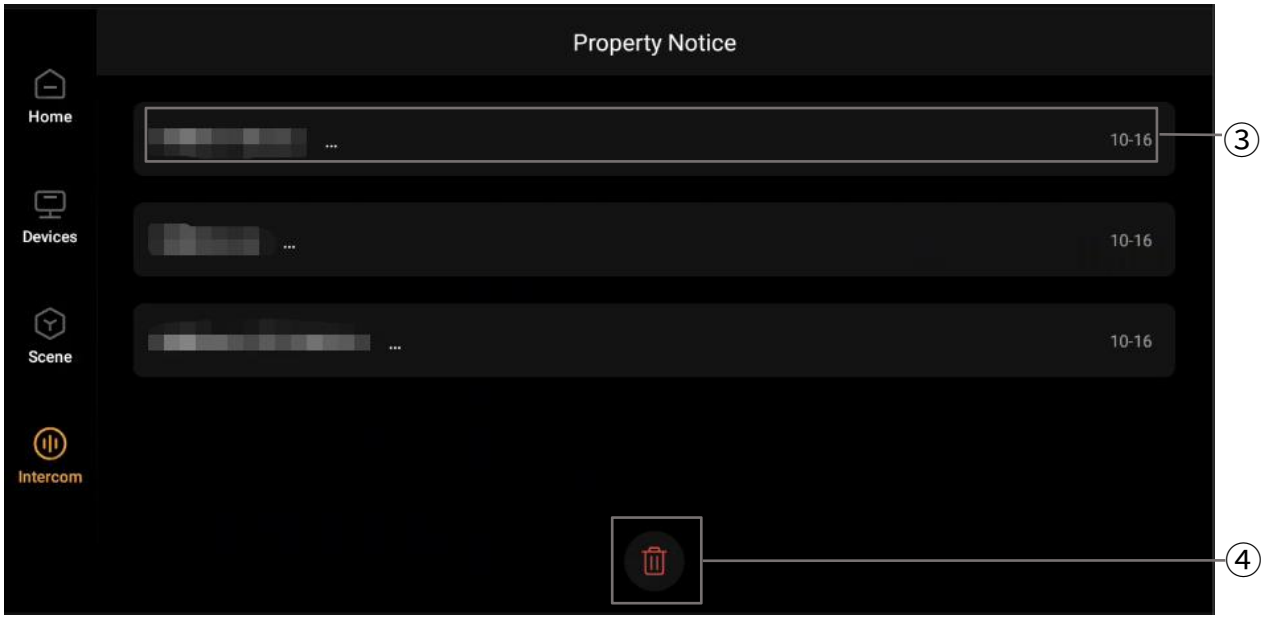


Fig.6.2.15(3)

Fig.6.2.15(4)

① Click on the blank space of the Latest News card to enter the Property Notice Details page, as shown in Fig. 6.2.15(3), which displays all property notice records and dates, as shown in Fig. 6.2.15(3).

②Click the selected property notice to view the details, as shown in Figure 6.2.15(4).

③Slide left on the property notice entry and the icon “ ” appears,touch on to delete this call record.

④Touch to delete all records and confirm twice to execute the deletion operation.

Chapter 7 Shortcut page

Pull down from the top of the home, device, scene, or intercom pages to bring up the shortcut settings, as shown in Fig.7.1.

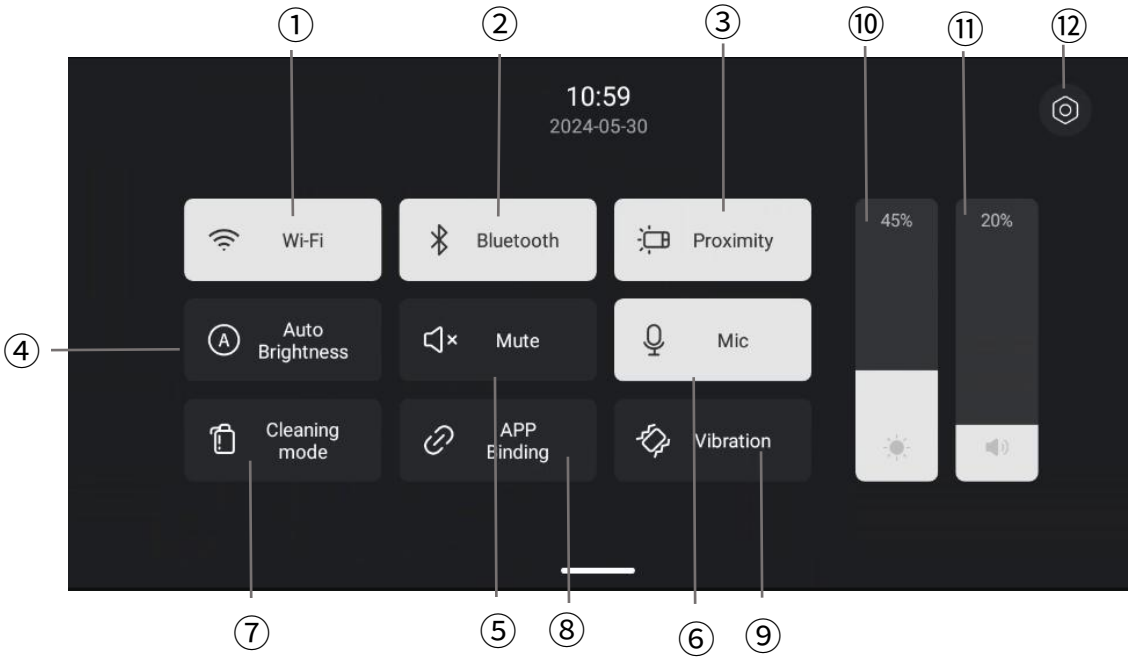


Fig.7.1 Shortcut page

①Display the connection status of Wi-Fi, touch to turn on/off Wi-Fi.

②Display the connection status of Bluetooth, touch to turn on/off Bluetooth.

③Display the status of Proximity, touch to enable/disable Proximity.

④Display the status of Auto-Brightness, touch to enable/disable Auto-Brightness.

⑤Display the status of Mute, touch to enable/disable Mute.

⑥Display the status of Microphone,touch to turn on/off Microphone.

The card is synchronized to switch on/off status. The display can also be updated according to the switching status fed back from the bus.

⑦Touch to enable “Cleaning mode” for 0-60s, and the screen will be locked.

⑧Touch to enter the APP Binding page, detail operation in chapter 10.1.

⑨Enable/disable vibration switch status, touch to turn on/off vibration.

⑩Touch to enter the device settings page.

⑪ Slide the slider to adjust the screen brightness in percentage.Unable to slide the brightness slider when auto-brightness is enable.

⑫ Slide the slider to adjust the system volume in percentage. Unable to slide the volume slider when Mute is enable.

Chapter 8 Setting page

Touch the icon  in the status bar on the home page to enter the setting page.

8.1 WLAN

The WLAN setting page is shown in Fig.8.1,where you can select the WLAN to connect.

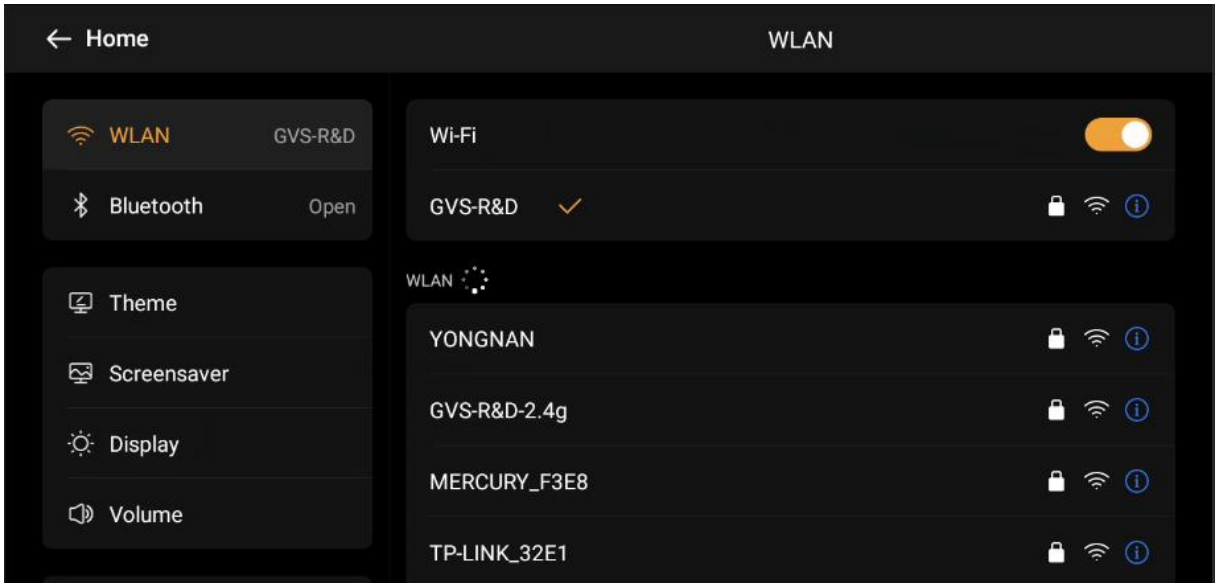


Fig.8.1 WLAN

(1)Turn on/off Wi-Fi.

(2)Touch the connected WLAN to view the signal strength or forget network.

(3)In the list of available WLAN, select an WLAN and enter the correct password to connect the corresponding WLAN.

8.2 Bluetooth

The Bluetooth setting page is shown in Fig.8.2,where you can select the other devices to connect.

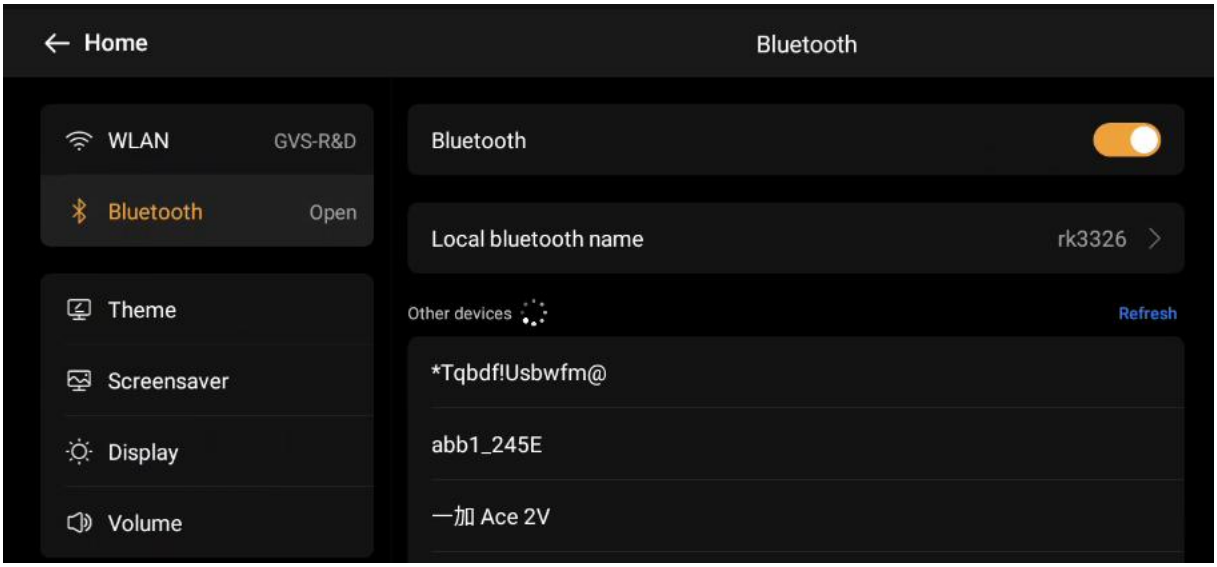


Fig.8.2 Bluetooth

(1)Turn on/off Bluetooth.

(2)In the list of available other devices,select the paired device to connect to the corresponding Bluetooth device, such as a Bluetooth speaker. After the connection is successful, the system audio will be prioritized to play through the Bluetooth speaker.

8.3 Theme

The theme setting page is shown in Fig.8.3,with 3 theme and 4 background to select,as shown in Fig.8.3(1)-Fig.8.3(7).

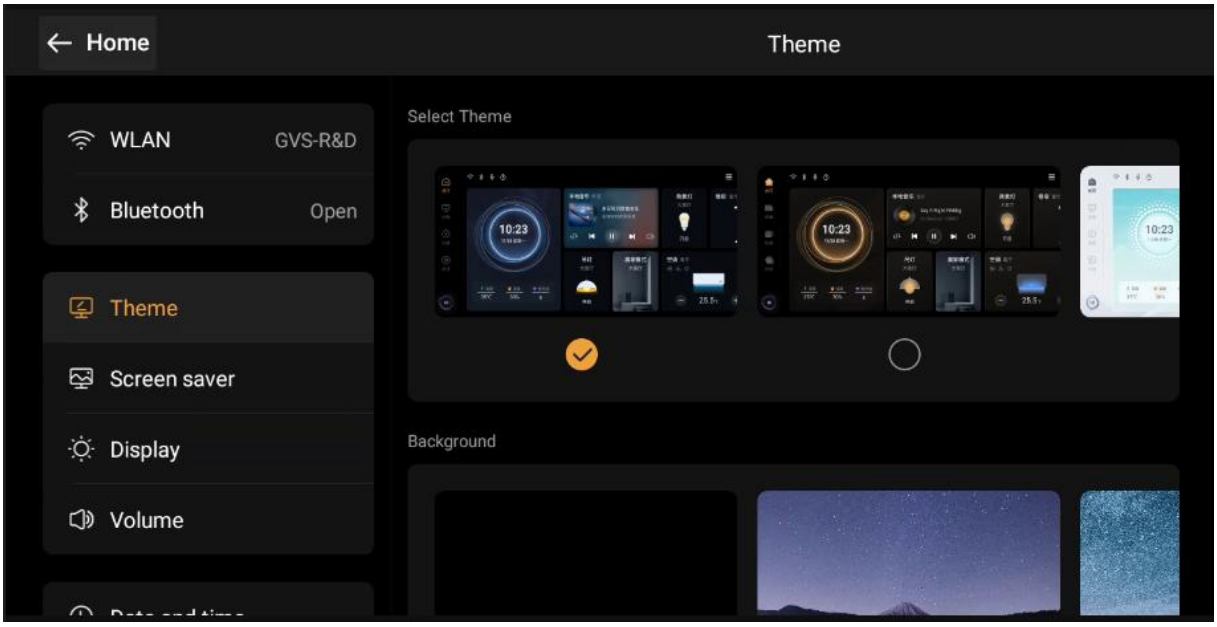


Fig.8.3 Theme

Fig.8.3(1)

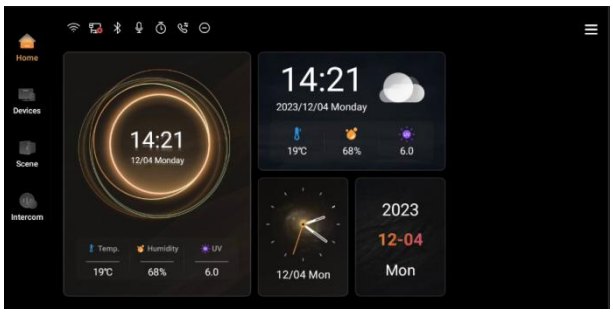


Fig.8.3(2)

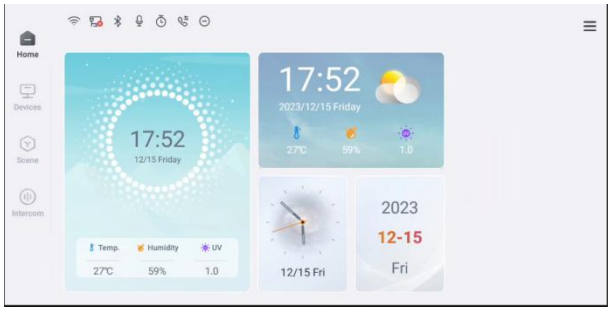


Fig.8.3(3)

Fig.8.3(4)

Fig.8.3(5)

Fig.8.3(6)

Fig.8.3(7)

8.4 Screensaver

The screensaver setting page is shown in Fig.8.4,.The digital, dial, weather, shortcut , and album screensaver that comes with the system can be selected through the ETS parameter configuration, as shown in Fig. 8.4(3)-Fig.8.4(7).

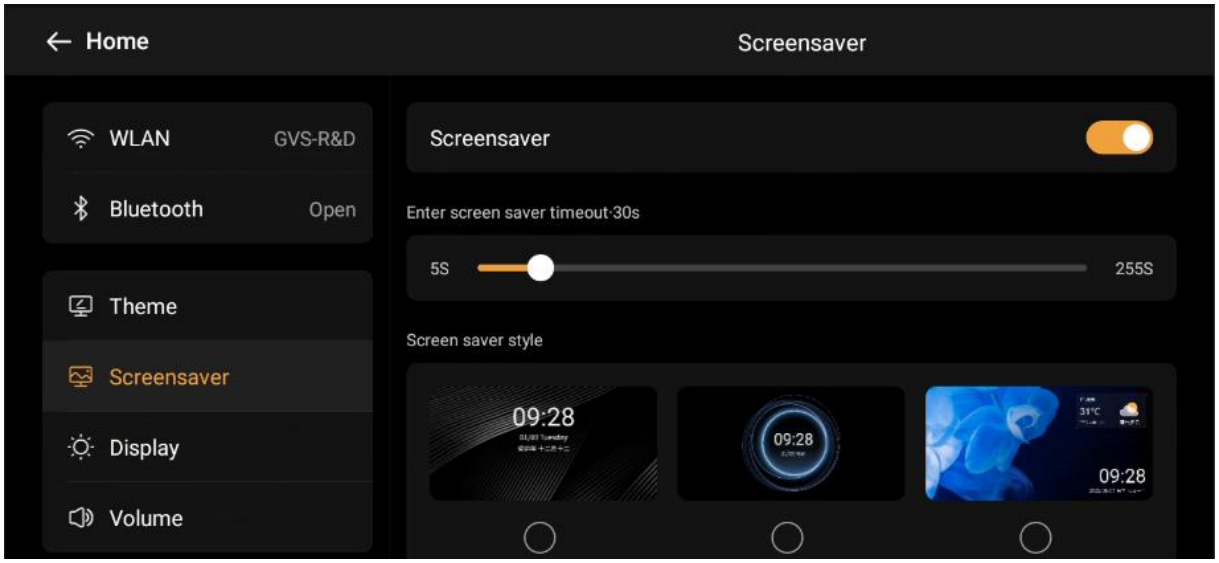


Fig.8.4 Screensaver

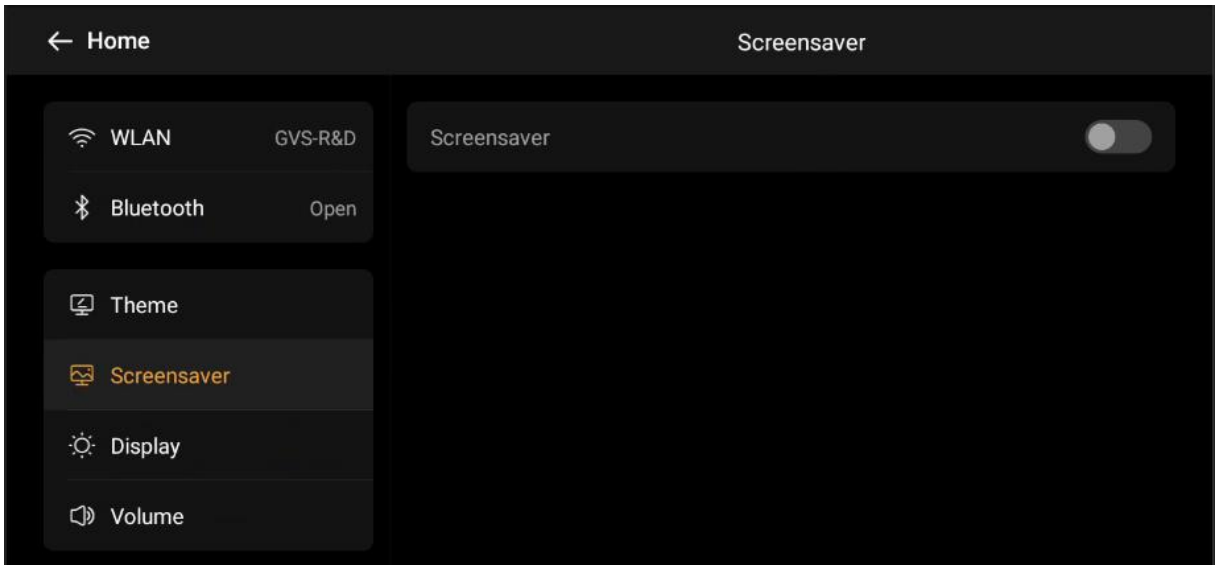


Fig.8.4 (1)

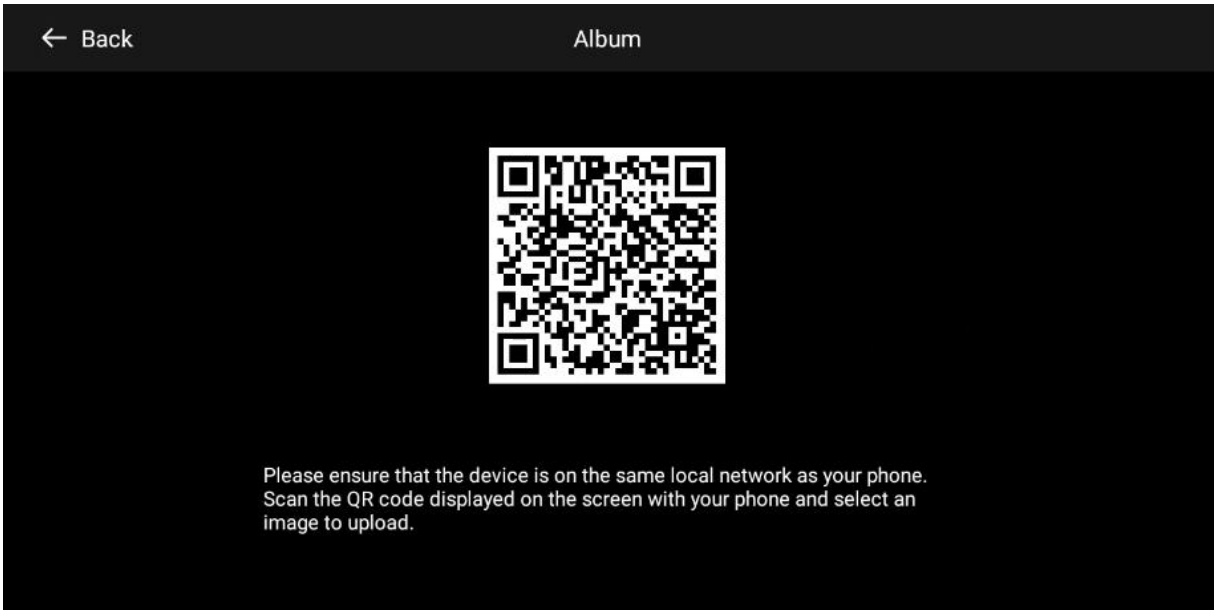


Fig.8.4(2)

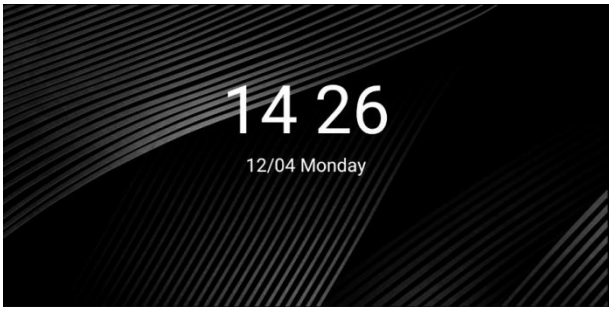


Fig.8.4(3)

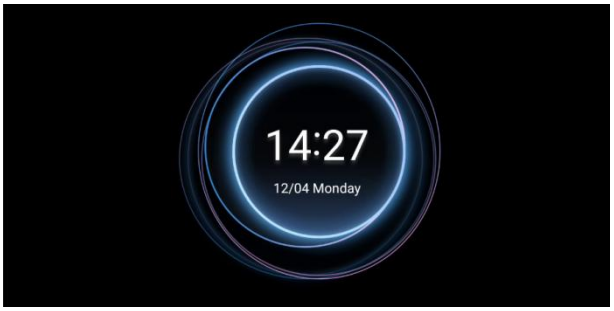


Fig.8.4(4)

Fig.8.4(5)

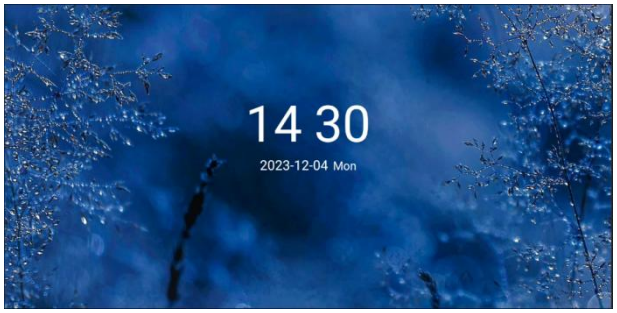


Fig.8.4(6)

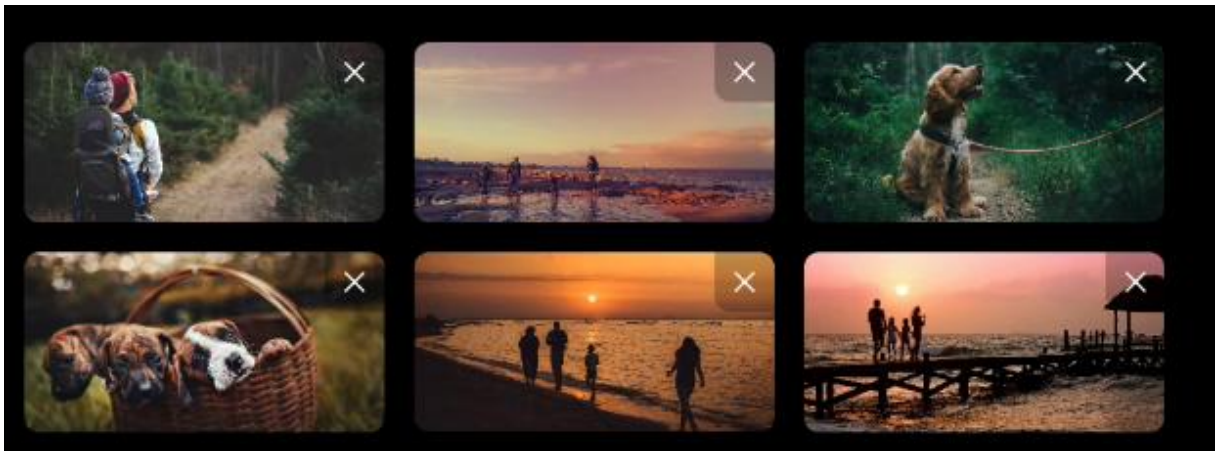


Fig.8.4(7)

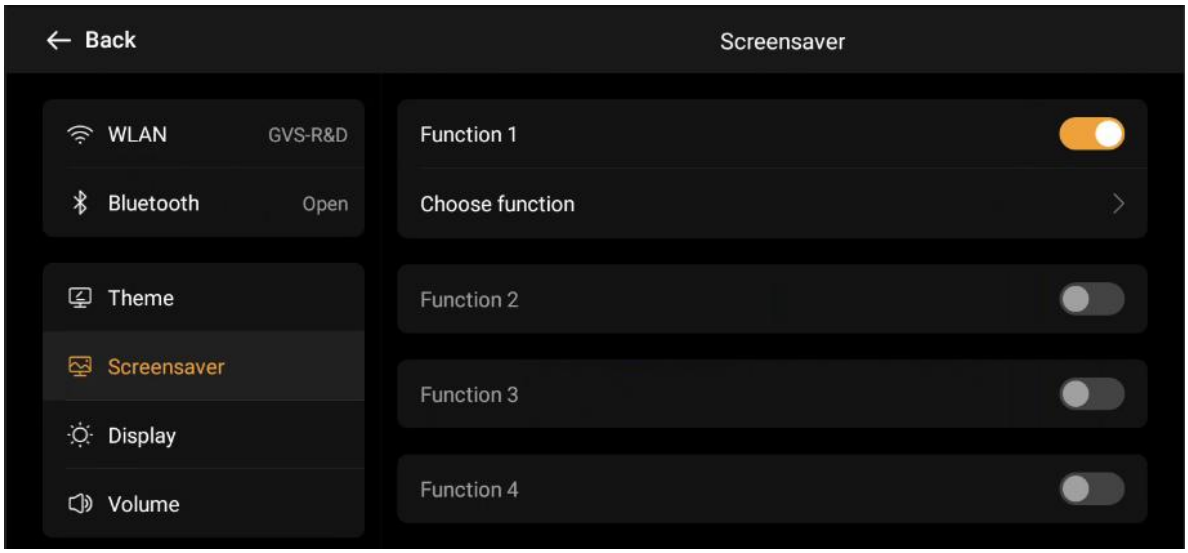


Fig.8.4(8)

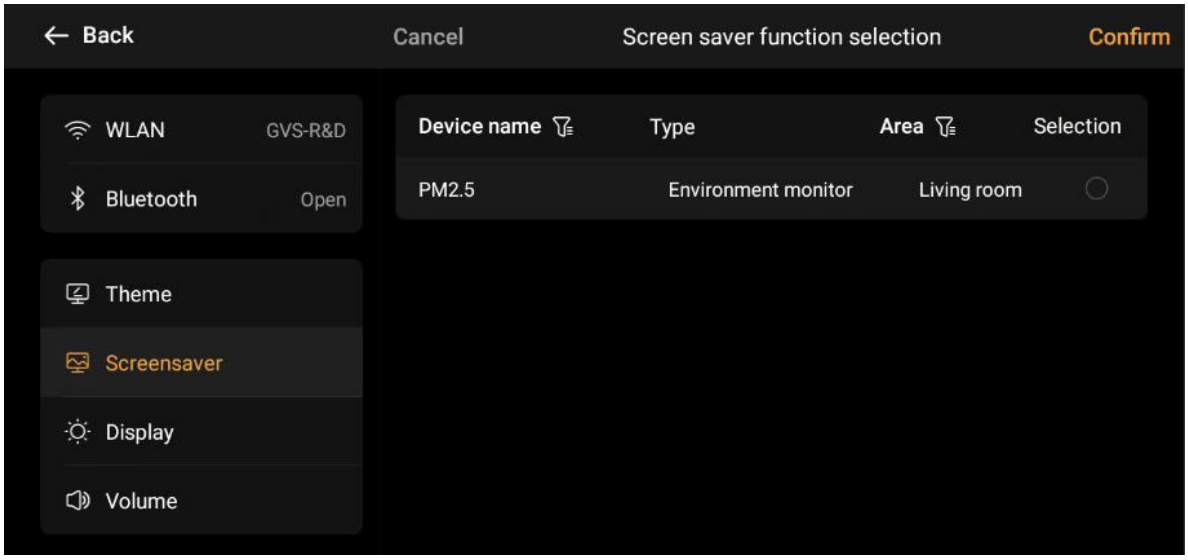
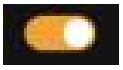


Fig.8.4(9)

(1)Enable/disable screensaver setting.

Icon  indicates enable screensaver setting and the page can be touched to operate the screen saver option bar, as shown in Fig.8.4.

Icon  indicates disable screensaver setting and can no touched to operate the screensaver option bar, as shown in Fig.8.4(1).

(2)Slide the slide bar to set enter screensaver timeout,the optional range is 5~255s.

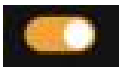
(3)The digital screensaver,as shown in Fig.8.4(5),dial screensaver,as shown in Fig.8.4(6).Display the current time and date after entering the screensaver.

(4)The weather screensaver,as shown in Fig.8.4(5)Display the current temperature, humidity and UV after entering the screensaver.

(5)The shortcut screensaver,as shown in Fig.8.4(6).The environmental detection value can be displayed in the screensaver, and the display content is customized by the user.

The steps are as follows:

After selecting the shortcut screensaver, "Edit Shortcut functions" will be displayed at the bottom of the page. Touch on this function, up to 4 shortcut functions will be select,as shown in Fig.8.4(8).

Icon  indicates enable the function selection. Touch the "Choose function" to select the sensor value in the associated device, as shown in Fig.8.4(9).

Icon  indicates disable the function selection. Touch the "Choose function" to select the sensor value in the associated device, as shown in Fig.8.4(9).

(6)The album screensaver,as shown in Fig.8.4(7),touch to enter the customize album page.The system rotates albums by default, and supports scanning to importing phone or USB.

The first one: import new album through phone. Touch on the icon  , pop up sub-window shown in Fig.8.4(2), scan the QR code to upload pictures.

The uploading method is the same as the add building plan,see section 8.12 for details,there will not be repeated.

The second: Import new album through USB storage, Touch on the icon  to enter USB storage page,touch the desired photos and "Confirm" button to add photos in the album.

8.5 Display

The display setting page is shown in Fig.8.5,which allow you to set manual/ automatic adjustment of screen brightness and screen off time.

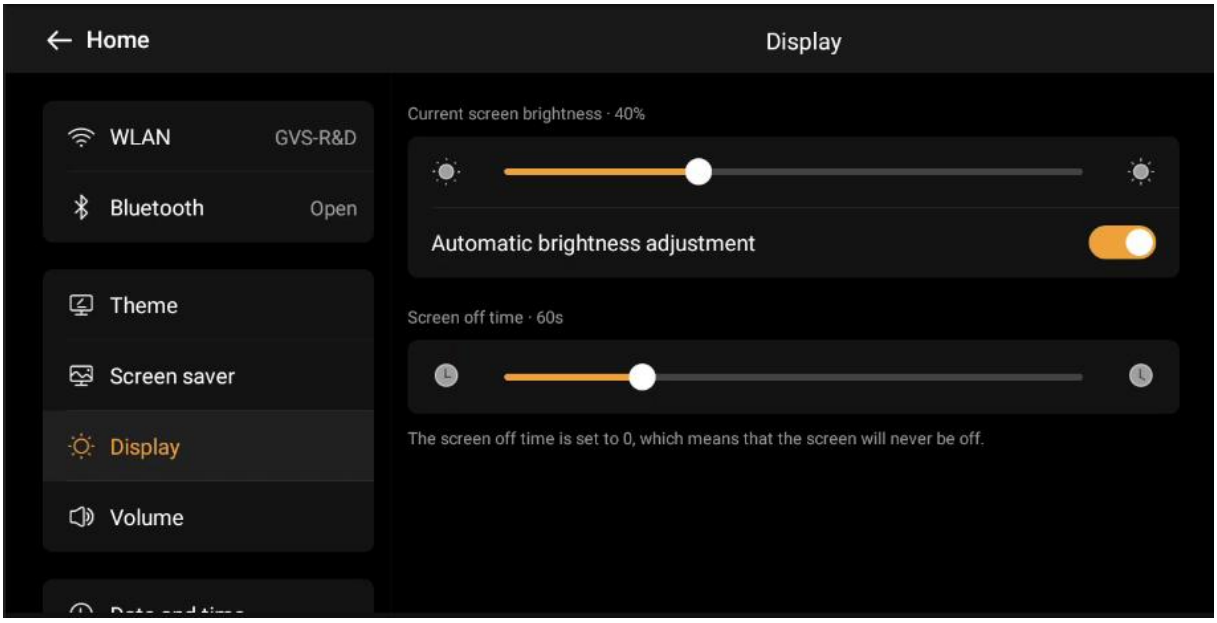


Fig.8.5 Display

(1)Screen brightness can be manually adjusted from 0~100%.

(2)Screen brightness can be set to automatic adjustment.When enable,the screen automatic brightness adjustment.When disable the screen brightness is adjusted according to the manual adjustment value.

(3)Set the screen off time, the time from entering the screensaver until the screen off.The screen off time is set to 0,which means that the screen will never be off.

8.6 Volume

The volume setting page is shown in Fig.8.6,which allow you to set system volume and ringtone.

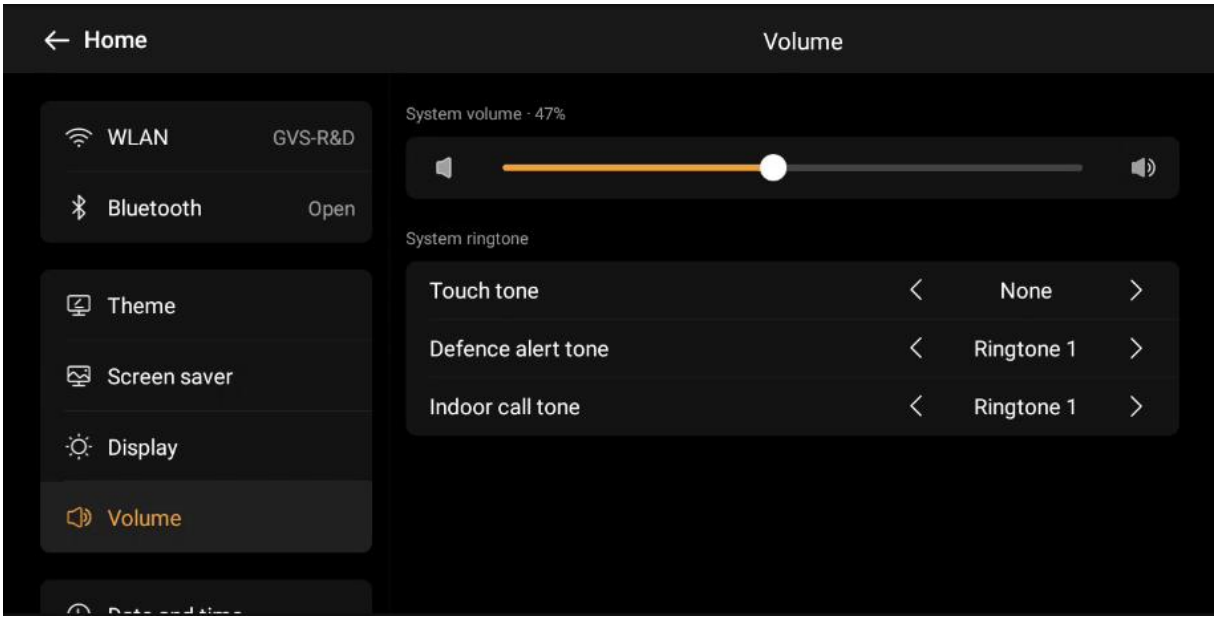


Fig.8.6 Volume

(1)System volume can be manually adjusted from 0~100%.

(2)Set touch tone,defence alert tone and indoor call tone.

8.7 Date and time

The date and time setting page is shown in Fig.8.7,which allow you to set time format,date format,data and time adjustments.

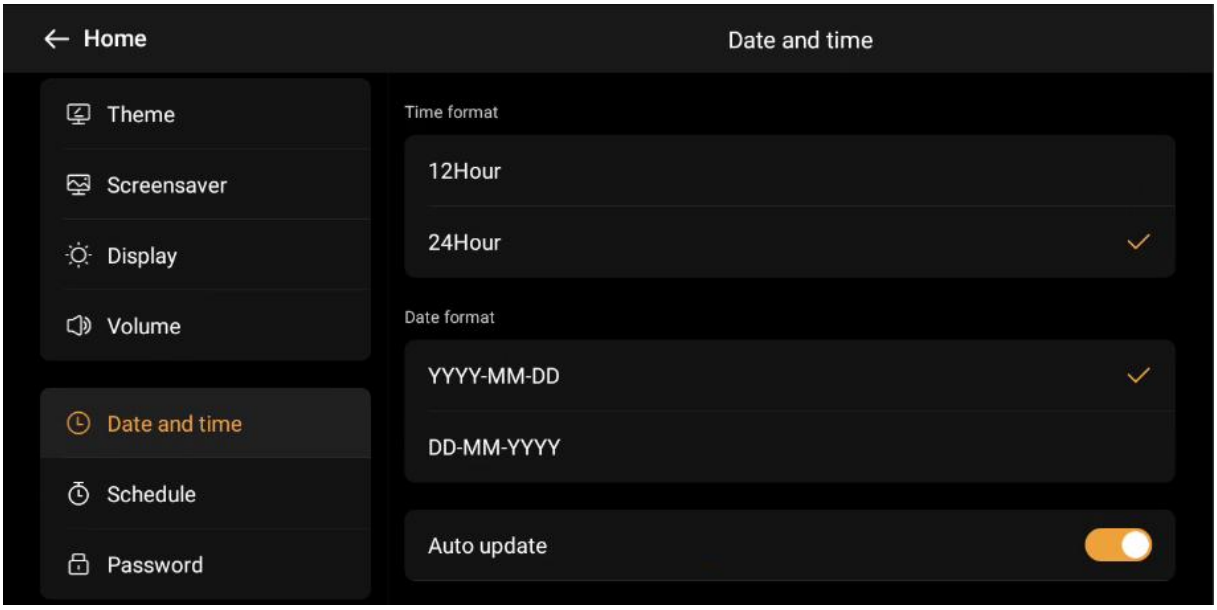


Fig.8.7 Date and time

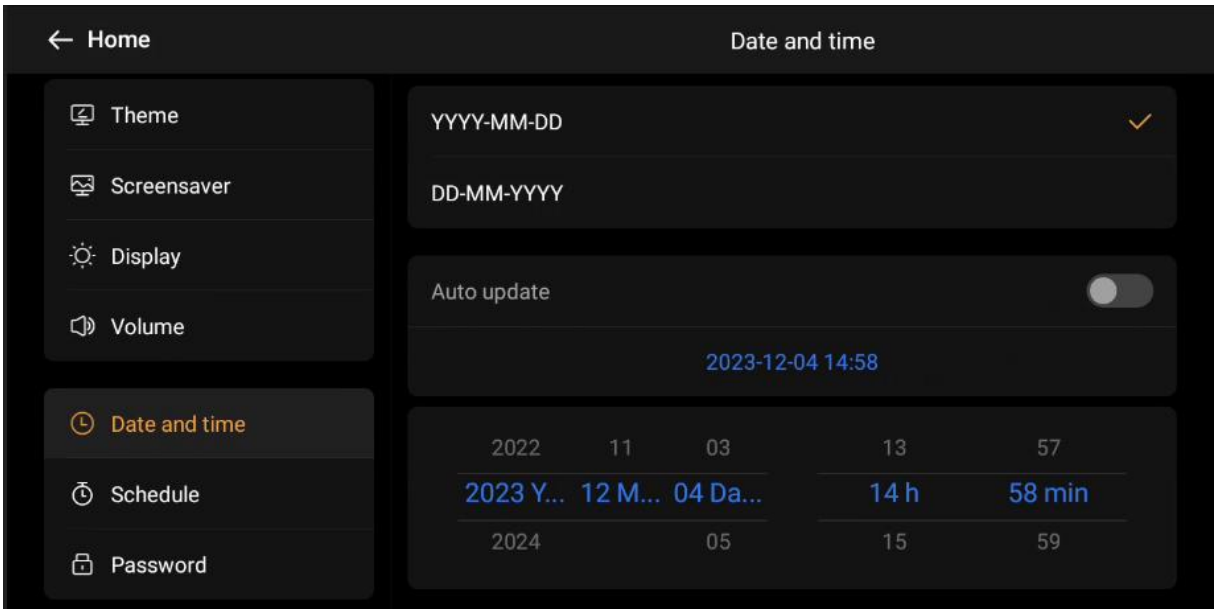


Fig.8.7(1)

(1)Set the screen display time format to 12-hour or 24-hour.

12Hour：The device time is displayed in 12-hour format.

24Hour：The device time is displayed in 24-hour format.

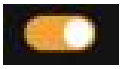
(2)Set the screen display date format to YYYY-MM-DD or DD-MM-YYYY.

YYYY-MM-DD：The device date is displayed in year-month-day format.

DD-MM-YYYY：The device date is displayed in day-month-year format.

(3)Enable/disable auto update.

The device time is automatically synchronized with the network time when it is turned on.

Icon  indicates enable auto update.The device time is automatically synchronized with the network.

Icon  indicates disable auto update. The device time can be customized and selected as shown in Fig.8.7(1).

8.8 Language select

The Language Settings page is shown in Fig. 8.8. There are a total of 14 available device languages, which are Chinese, English, Norwegian, Russian, Arabic, Italian, Farsi, Polish, Hebrew, Portuguese, German, Traditional Chinese, French and Spanish.

Note: The language select function is only applicable to software version 4.1.0 or above.

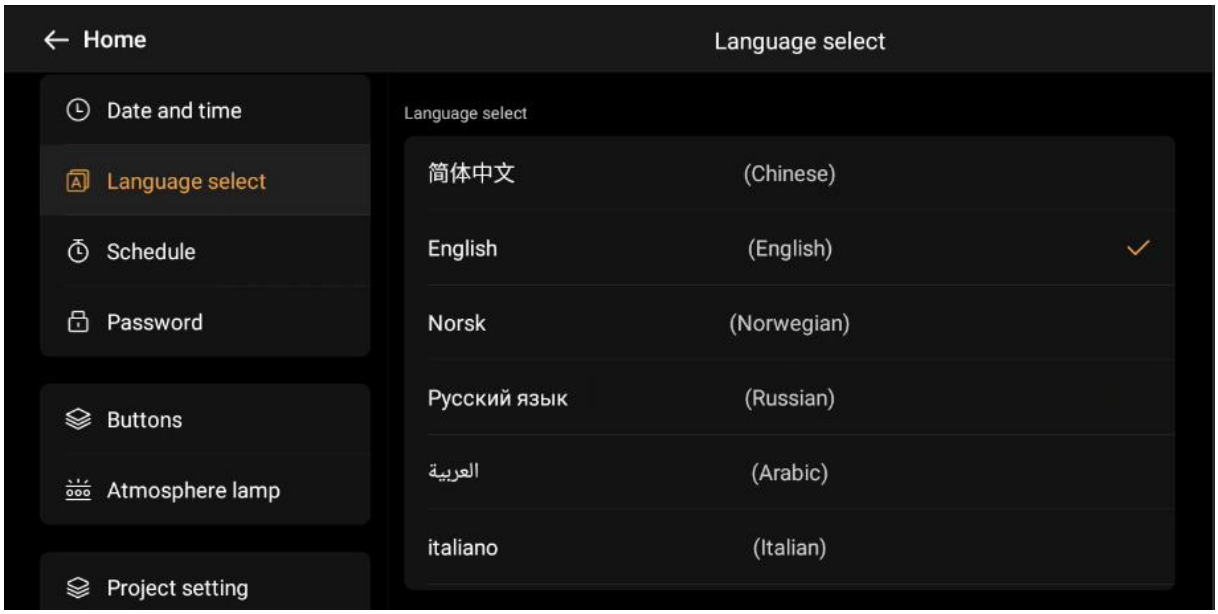


Fig.8.8 Language select

8.9 Schedule

The schedule setting page is shown in Fig.8.9,which displays the schedule tasks configured by the ETS and device schedule set locally.

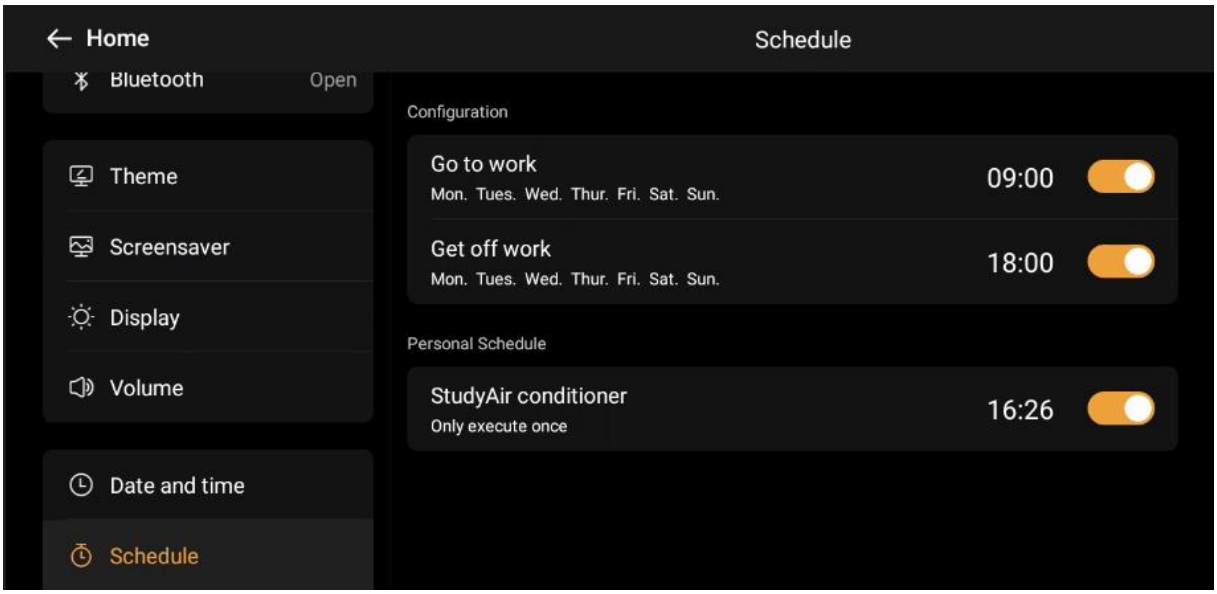


Fig.8.9 Schedule

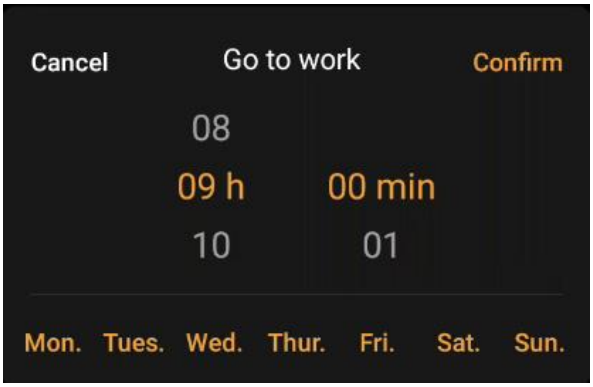


Fig.8.9(1)

(1) Schedule switch to manually enable/disable schedule tasks for each day of the week.

Configuration： The task name, time, and repeat are customized by the ETS, the time and repeat can also be modified on the screen.

Personal schedules:The schedule set by the user in the HVAC device,are managed uniformly here, and the time,repeat can be modified on the screen.

(2)When the schedule switch with parameters configured, the default is on.If the schedule of the day is on, the time will execute the corresponding schedule task when it arrives, and the specific time can be customized, as shown in Fig.8.9(2). If don't need the schedule on that day, you can disable manually. The button on the right side of the screen is used to manually enable/disable the schedule for the day.

8.10 Password

Password function is set up to protect user privacy, divided into two categories: user password and custom password, of which the user password is enabled by default, the default password is 666666, which is used for arming/disarming, call forwarding, revocation of SOS and other occasions.The customized page is set by the user and can be set to: access password, edit password, enter set password and other functions.

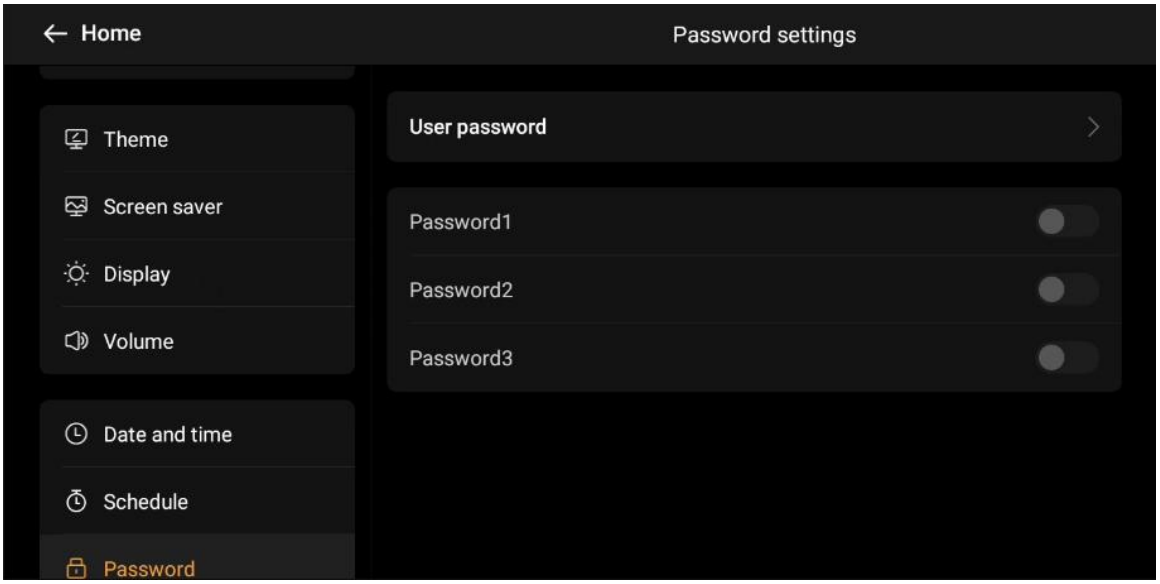


Fig.8.10 Password

8.11 Buttons

When the KNX Smart Touch S7 with S7 Extension Sub Panel, the buttons settings Page is visible, as shown in Fig.8.11(1)、Fig.8.11(2)、Fig.8.11(3)、Fig.8.11(4)、Fig.8.11(5), used to configure the functions of the buttons or rotation.

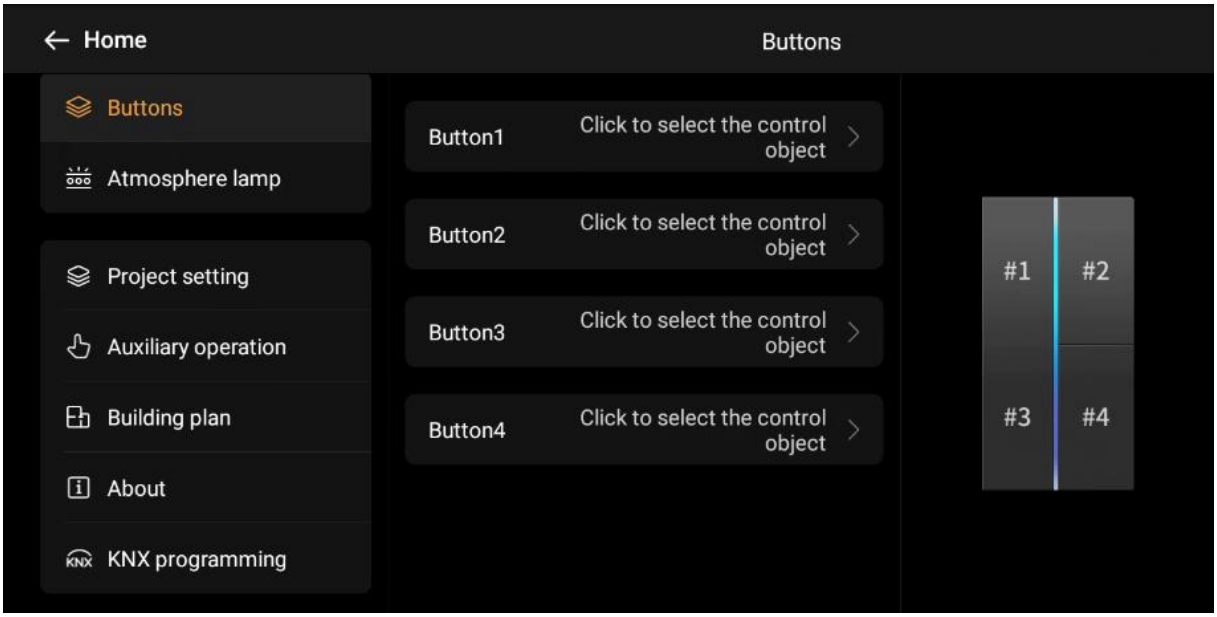


Fig.8.11(1)Buttons

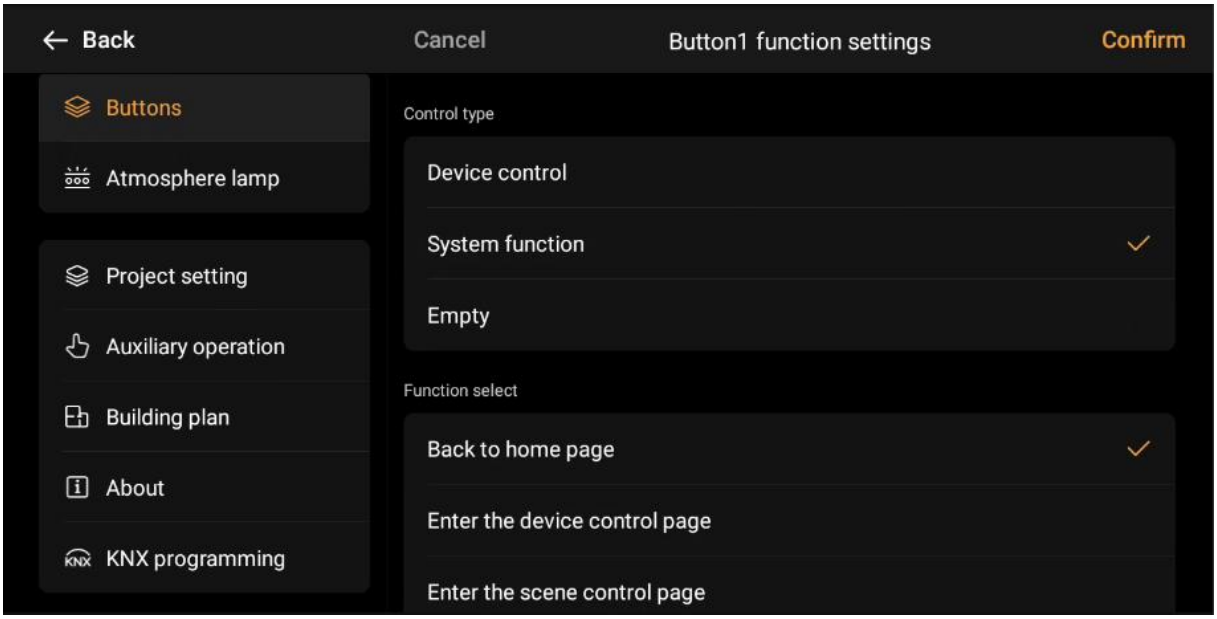


Fig.8.11(2)System function

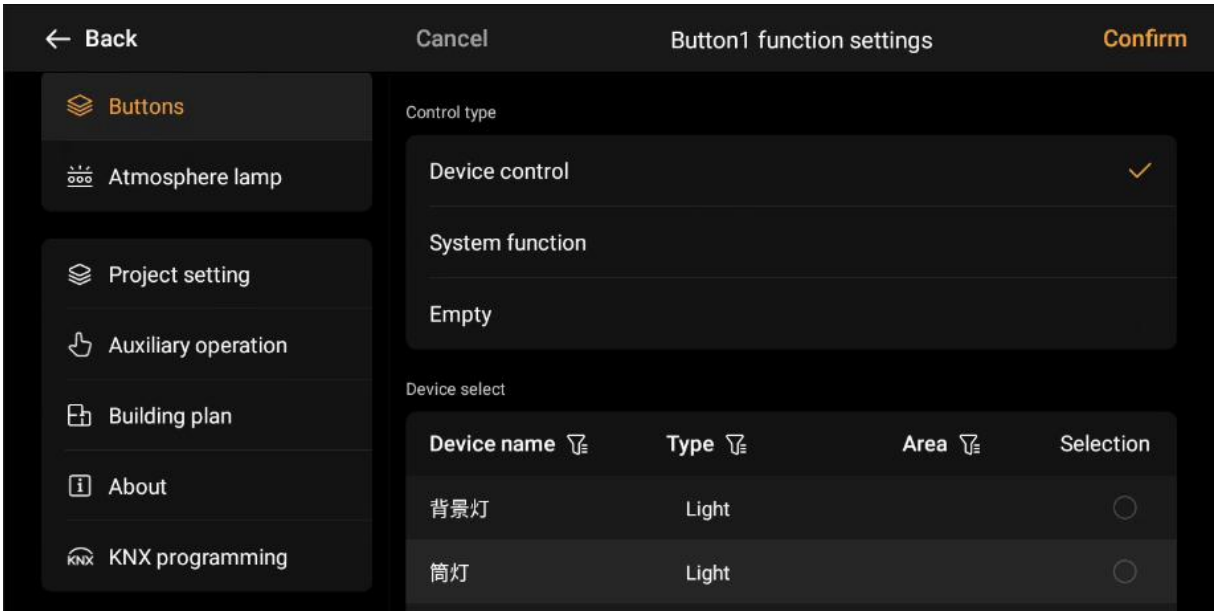


图 8.11(3)Device control

With S7 Extension Sub Panel, 4 buttons：

（1）Displays a preview of the S7 Extension Sub Panel, 4 buttons and the function of each button.

（2）Button can be customized as system control or product control functions through the KNX Smart Touch S7, optional system function including returning to homepage and access to the function page, as shown in Fig.8.11(2); optional product control function including switch, dimming, color temperature, color control(RGB,RGBW,RGBCW), curtain, scene,audio control,room temperature control, Air conditioner and Ventilation System control, as shown in Fig.8.11(3).

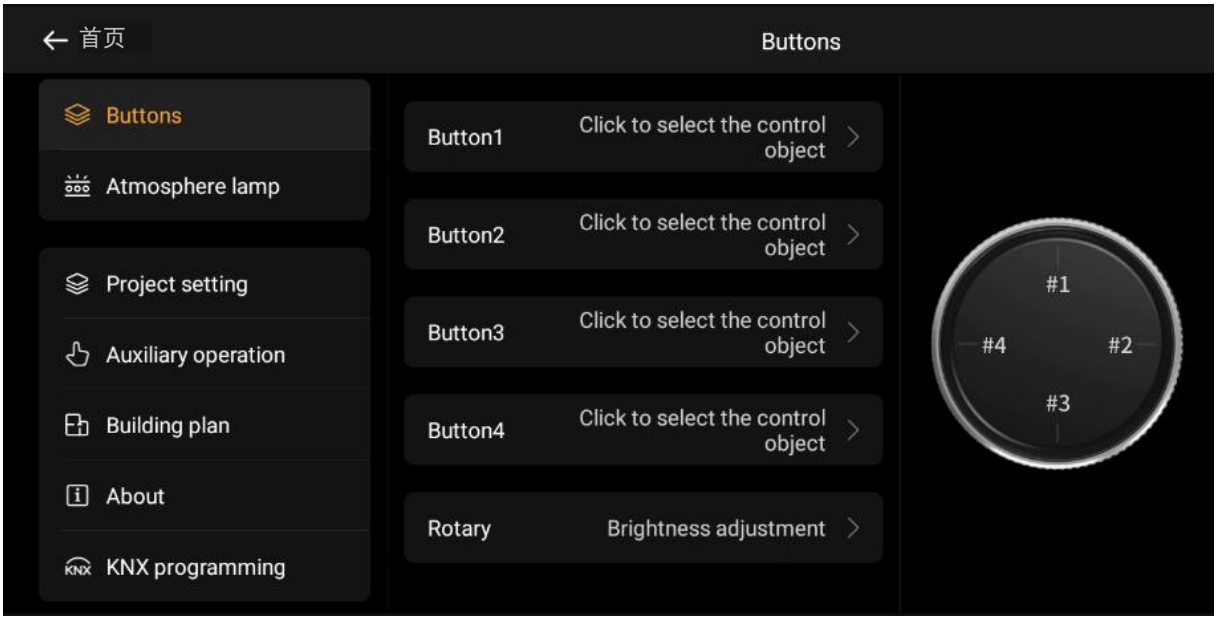


图 8.11(4)Rotation

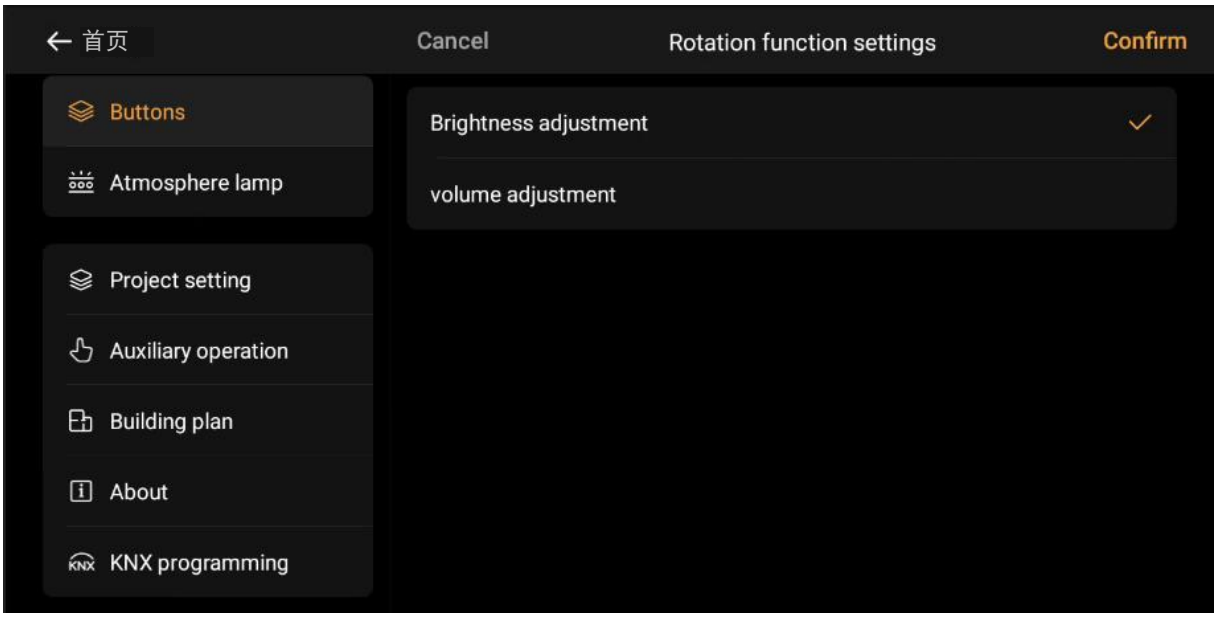


图 8.11(5)Rotation function

With S7 Extension Sub Panel, 4 buttons with Rotary：

（1）Displays a preview of the S7 Extension Sub Panel, 4 buttons with Rotary, the function of each button and Rotation.

（2）Button can be customized as system control or product control functions through the KNX Smart Touch S7, optional system function including returning to homepage and

access to the function page, as shown in Fig.8.11(2); optional product control function including switch, dimming, color temperature, color control(RGB,RGBW,RGBCW), curtain, scene,audio control,room temperature control, Air conditioner and Ventilation System control, as shown in Fig.8.11(4).

The rotary can be customized function as volume adjustment or brightness adjustment. At the same time, the rotary can be automatically adapted to device functions, such as lamp brightness adjustment, curtain position adjustment, air conditioning temperature adjustment, fan speed adjustment, etc, as shown in Fig.8.11(5)..

8.12 Atmosphere lamp

When the KNX Smart Touch S7 with S7 Extension Sub Panel, the atmosphere lamp settings Page is visible, as shown in Fig.8.12(1)、Fig.8.12(2)、Fig.8.12(3)、Fig.8.12(4)、Fig.8.12(5), used to configure the functions of the atmosphere lamp display and color.

Permanent on:The ambient lights on the sub-panel will permanent on according to the selected color.

Breathing:The ambient lights on the sub-panel will display from bright to dark according to the selected color.

Flashing:The ambient lights on the sub-panel will flashing according to the selected color.

Loop colorful:The ambient lights on the sub-panel will display in loop colorful.

White mixture dimming:Adjusting the saturation, the ambient lights on the sub-panel gradually change to white.

Colorful dimming:With the same color gradient, adjusting the brightness and the ambient lights on the sub-panel gradually change to darker.

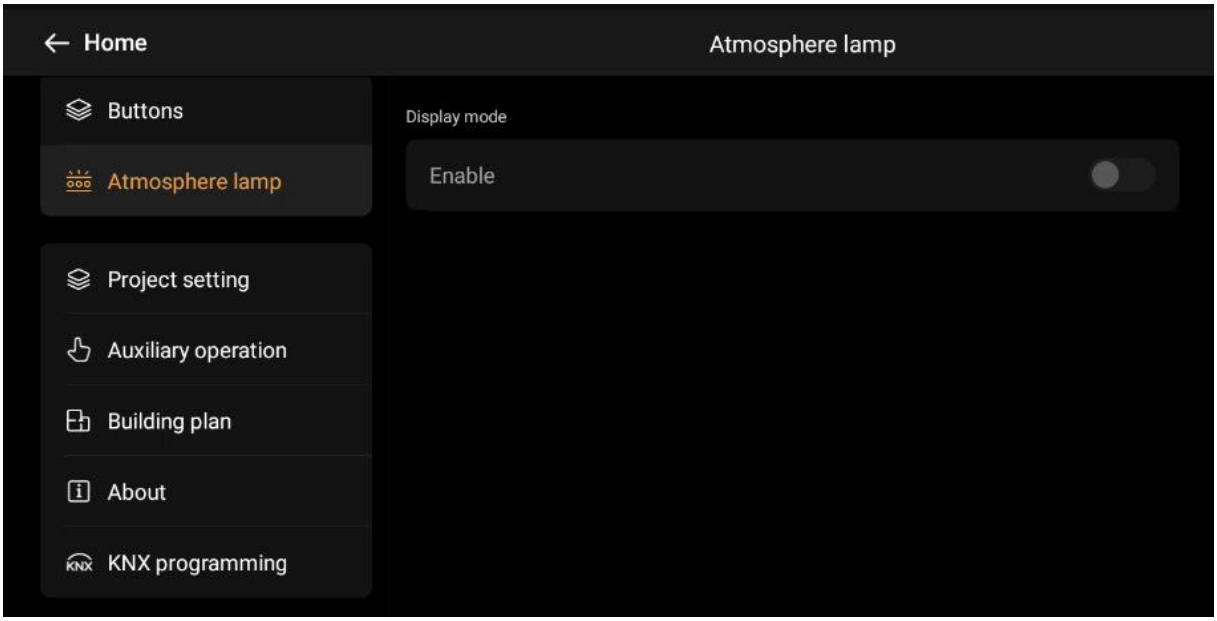
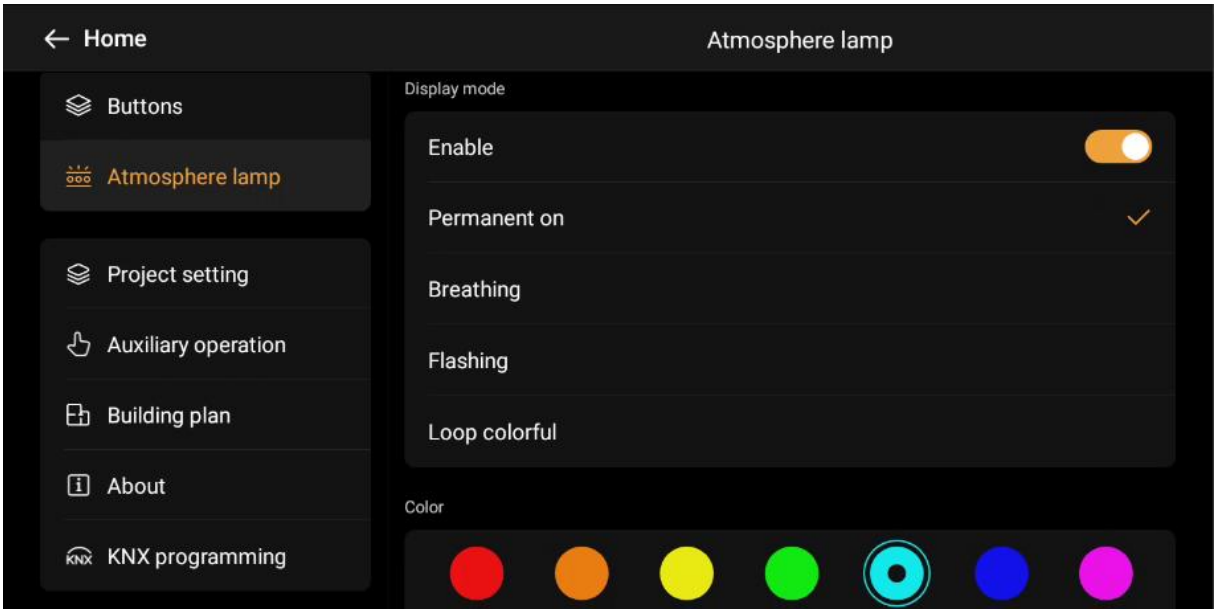


图 8.12(1) Atmosphere lamp



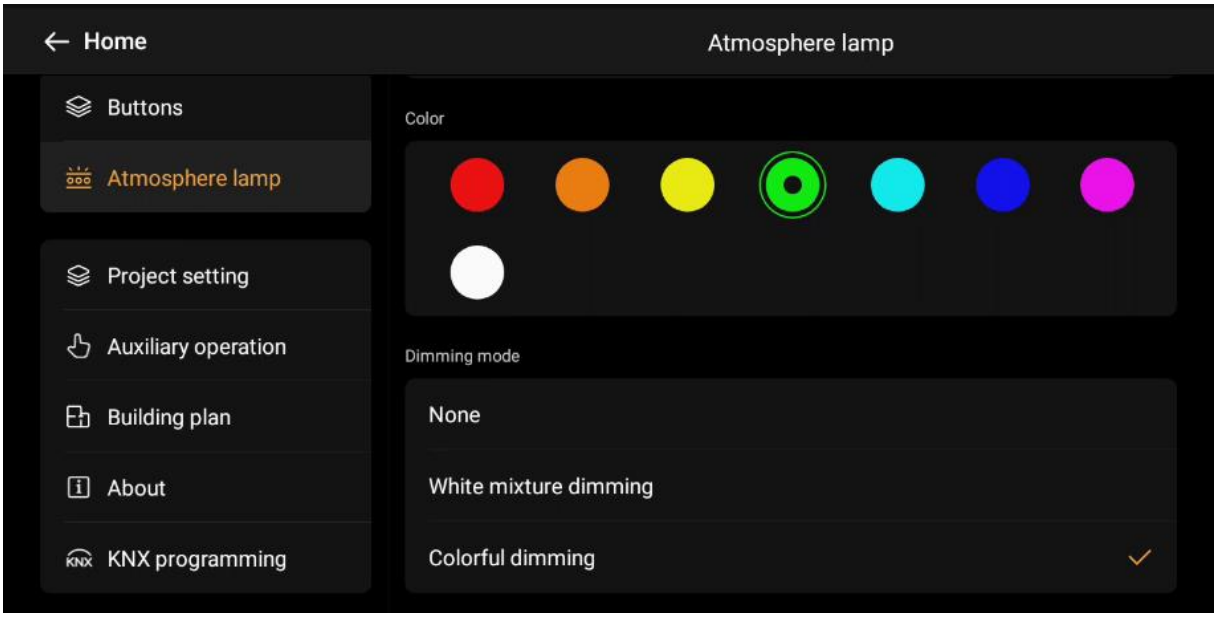


图 8.12(2)Atmosphere lamp_with button

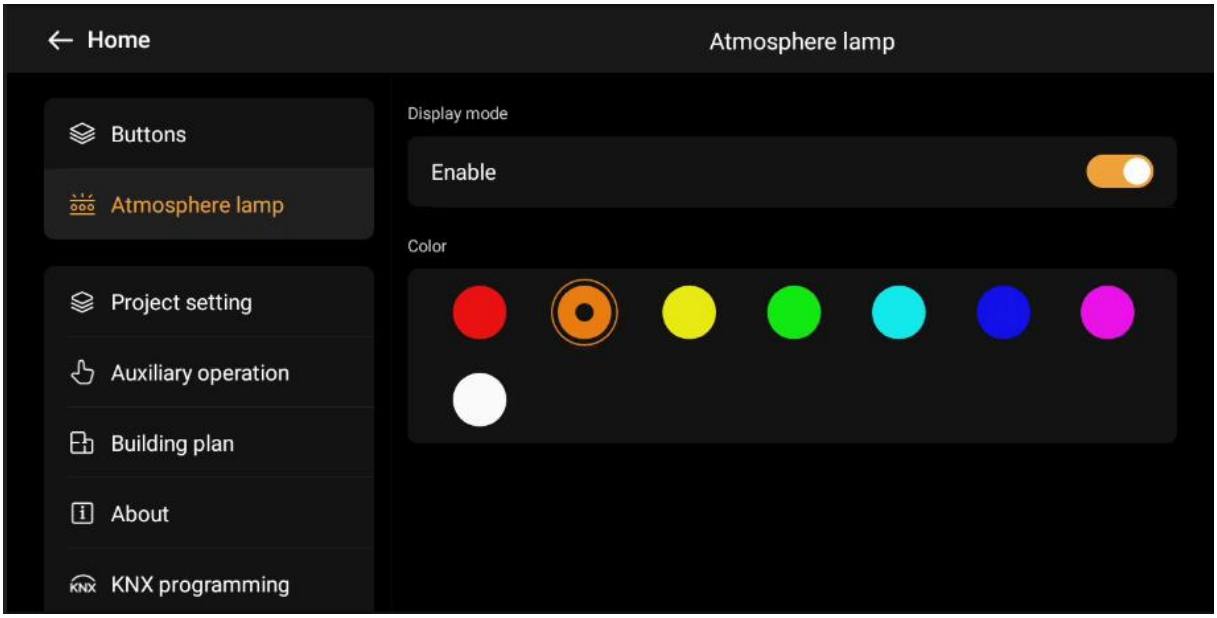
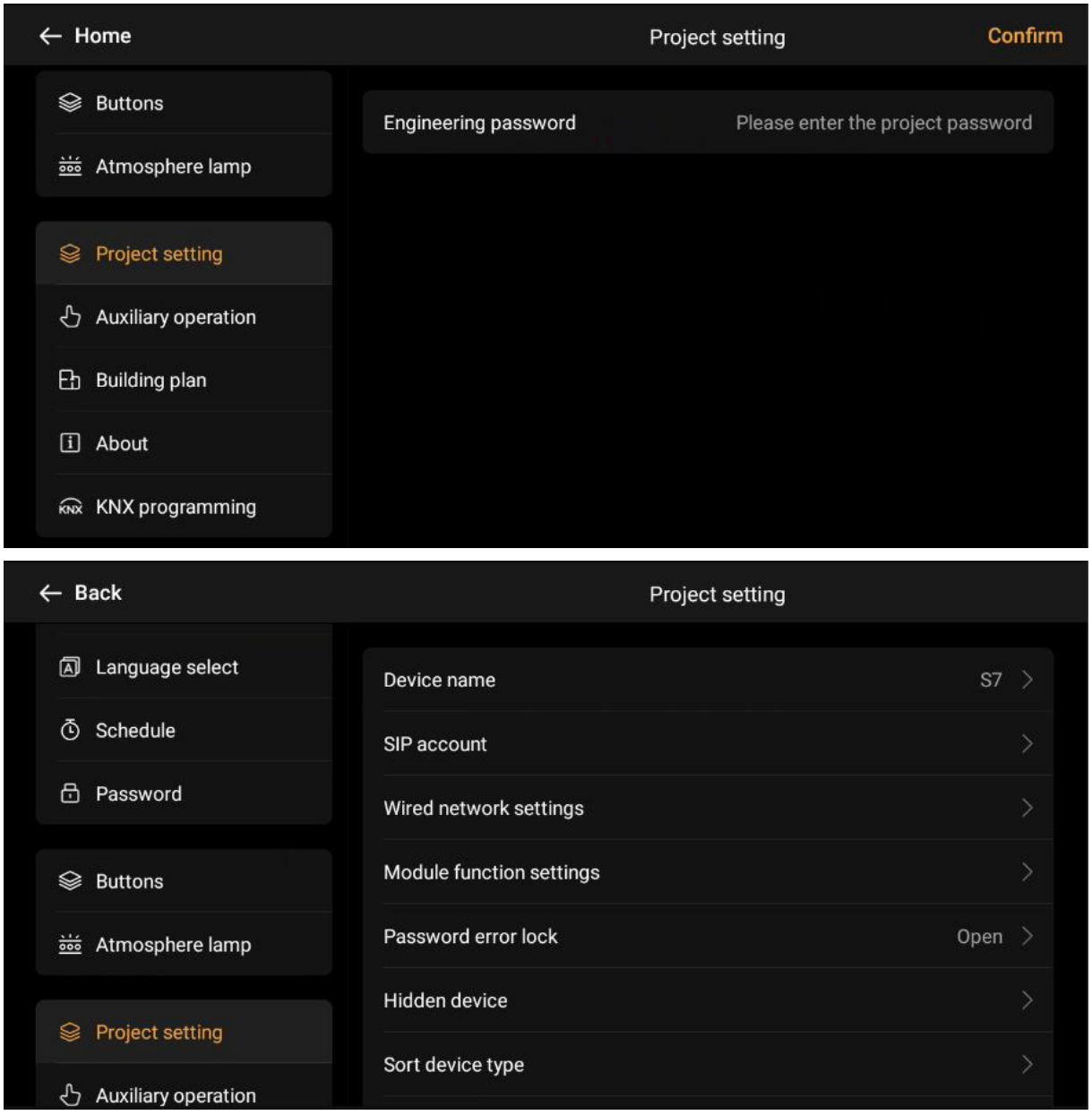


图 8.12(3)Atmosphere lamp_with rotation

8.13 Project setting

Enter the project password 801801 to enter the project setting page, as shown in Fig.8.13(1).



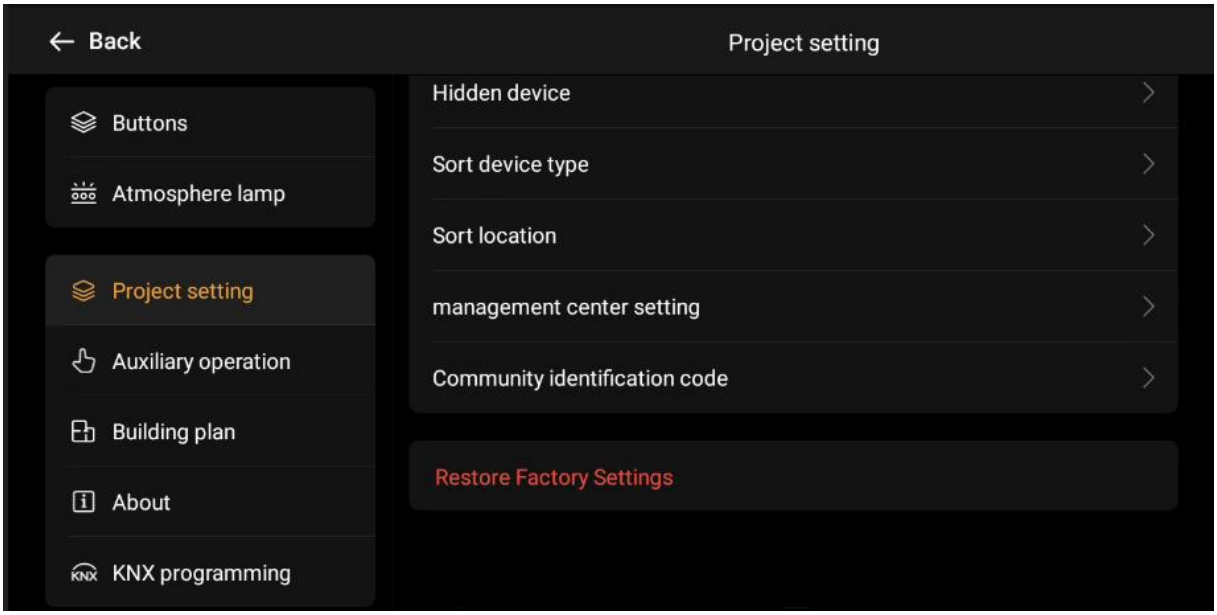
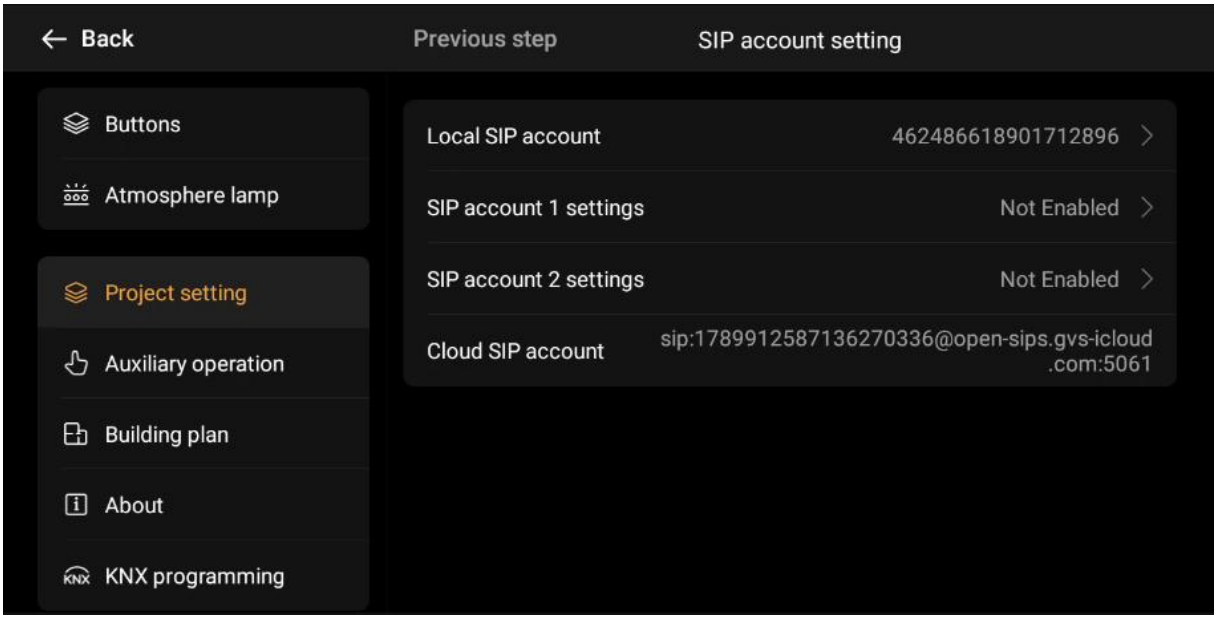


Fig.8.13(1) Project setting



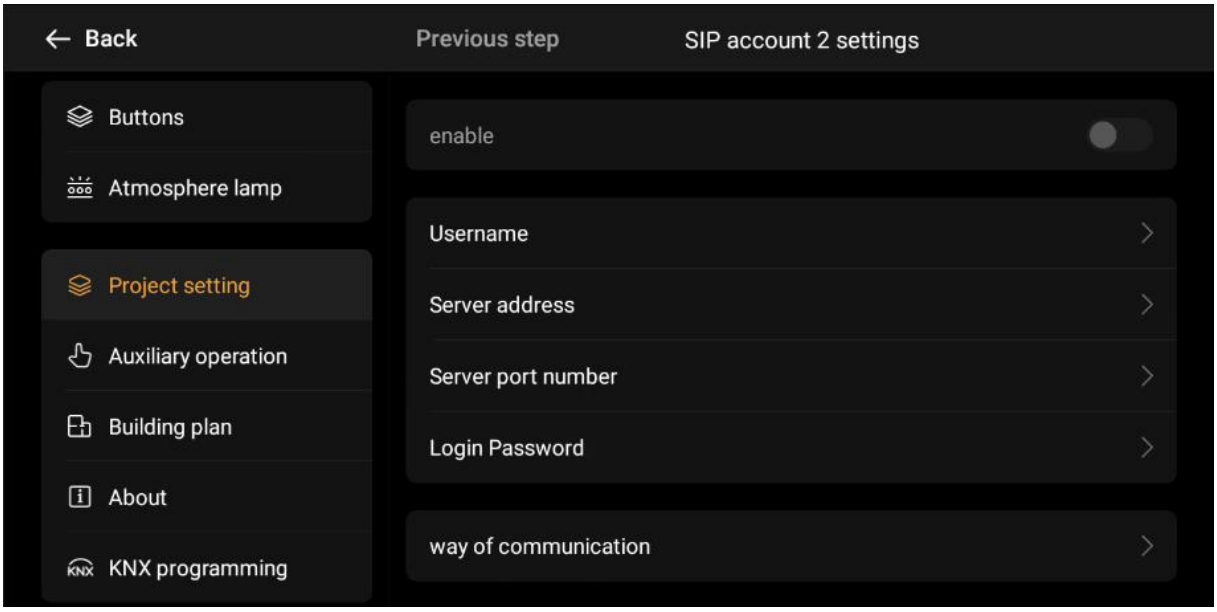


Fig.8.13(2)

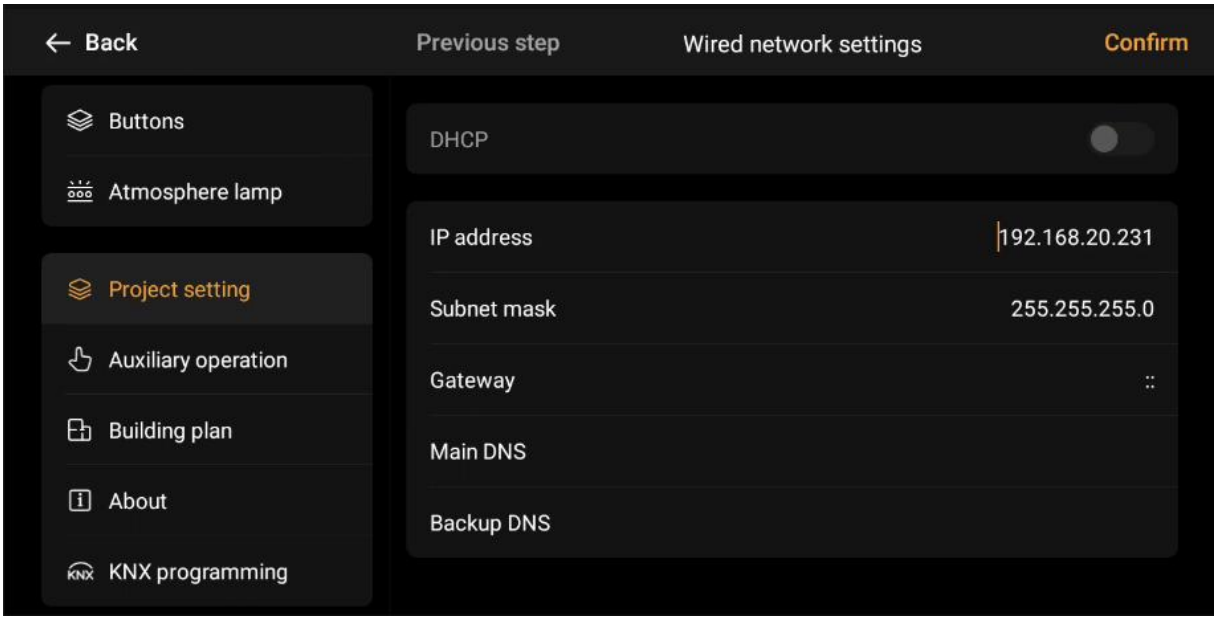


Fig.8.13(3)

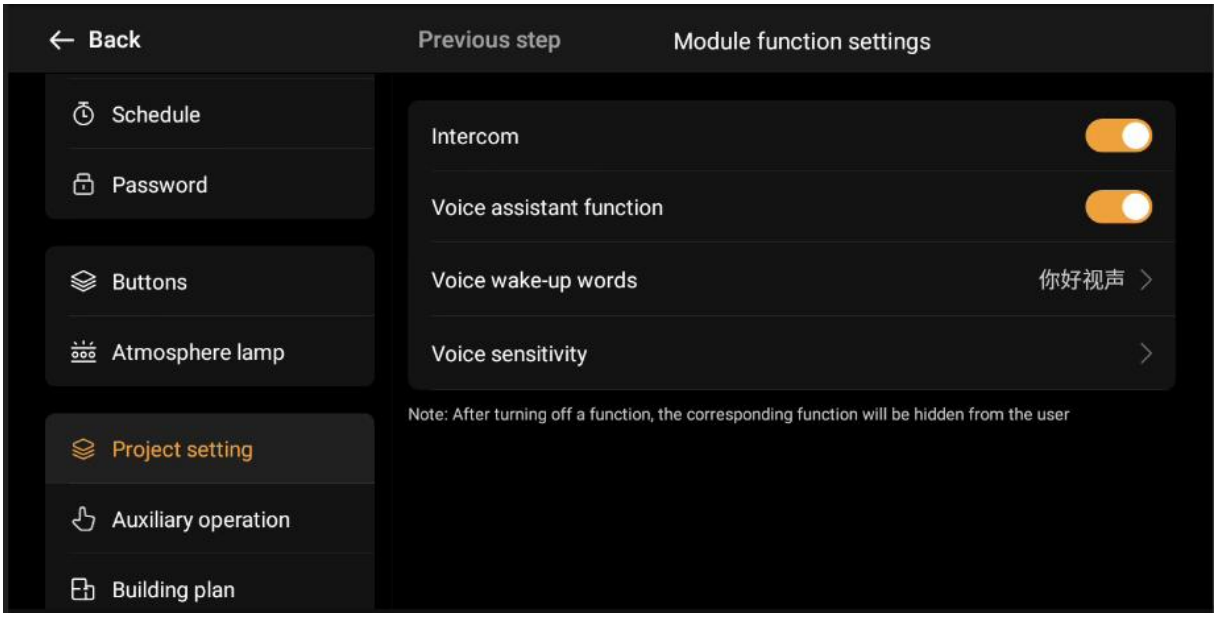


Fig.8.13(4)

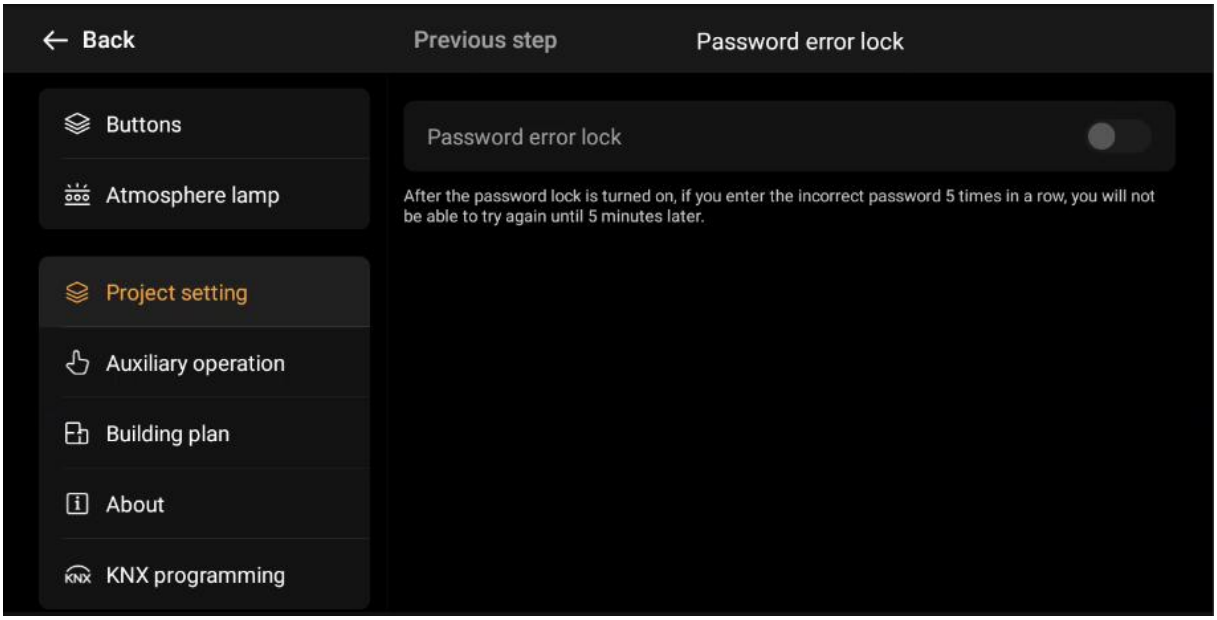


Fig.8.13(5)

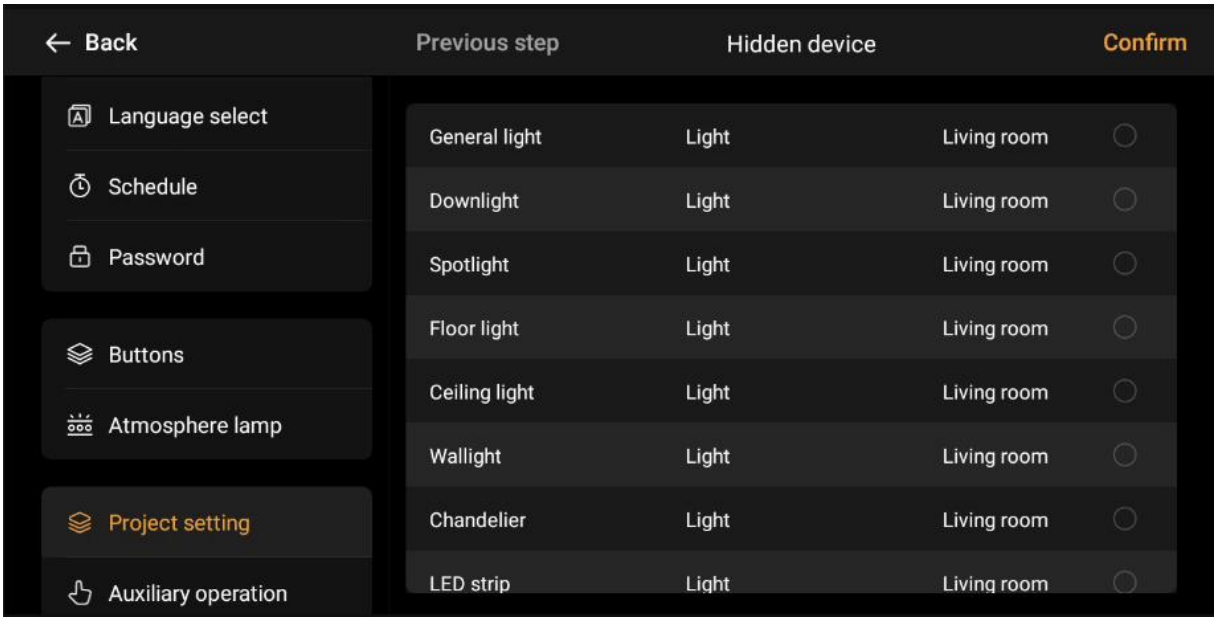


Fig.8.13(6) Hidden device

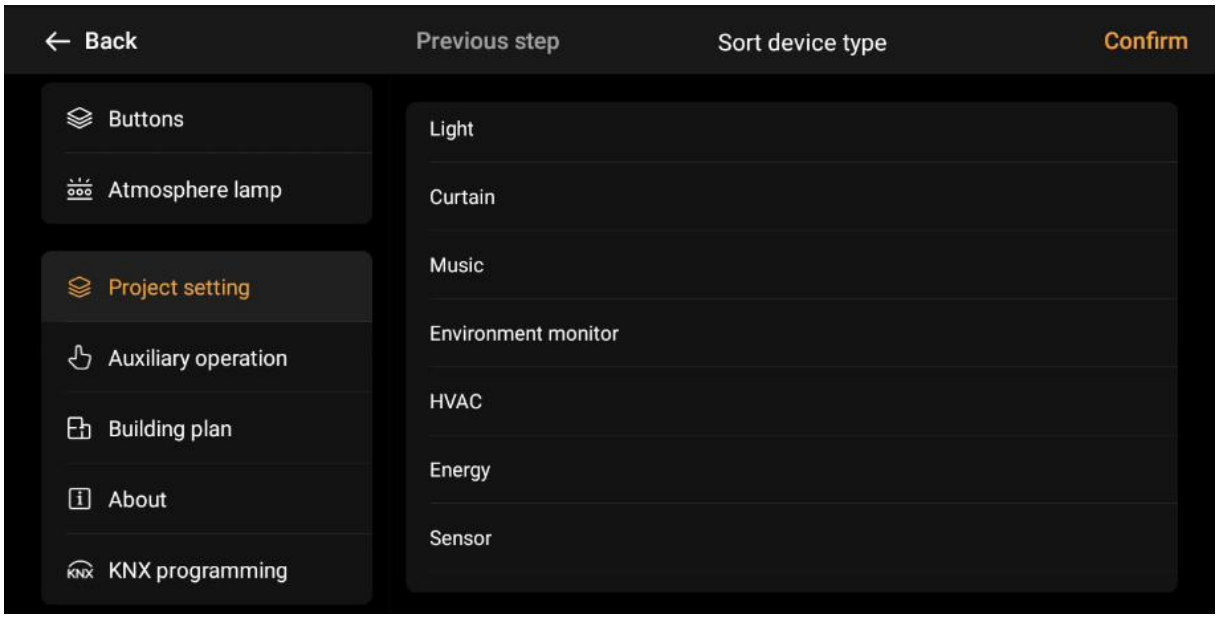


Fig.8.13(7) Sort device type

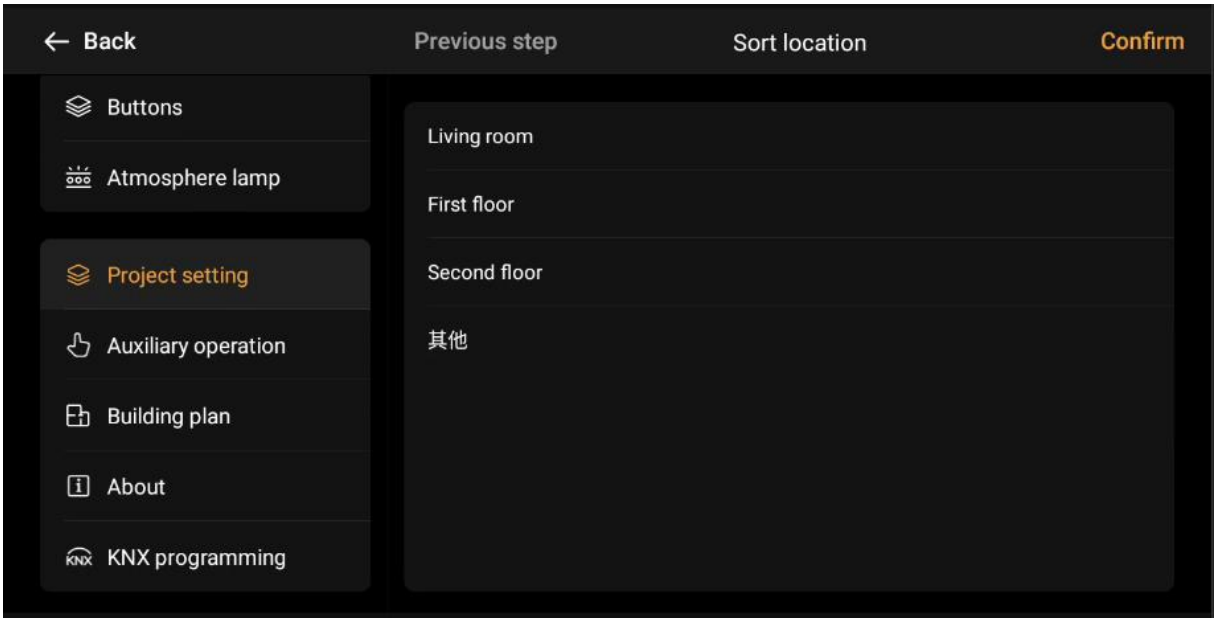


Fig.8.13(8) Sort location

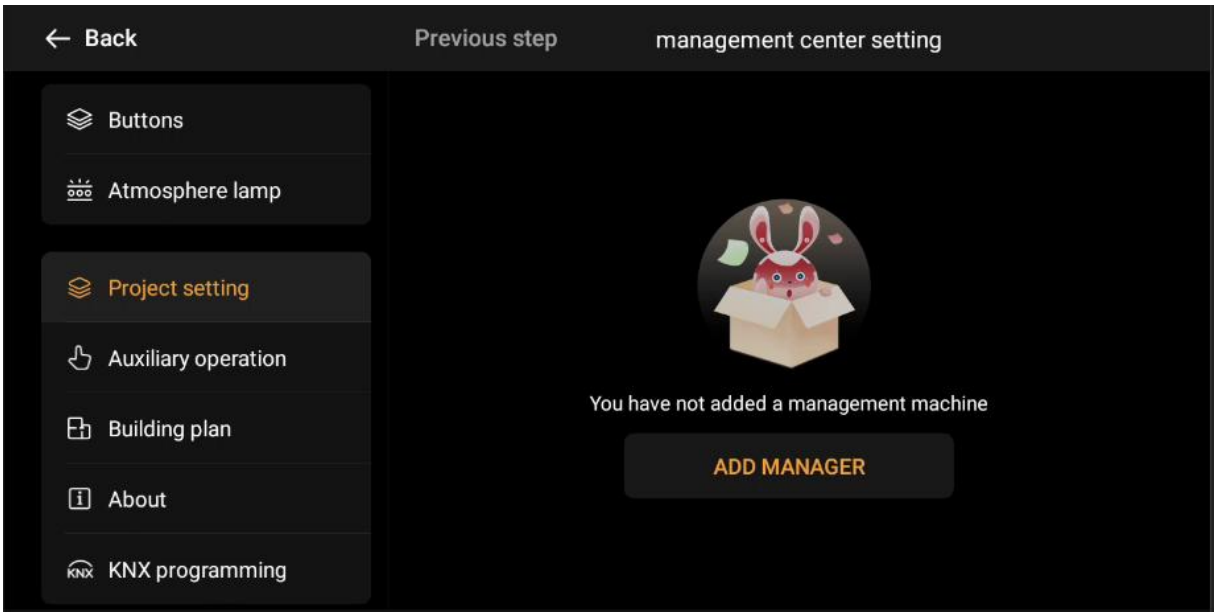


Fig.8.13(9) management center setting

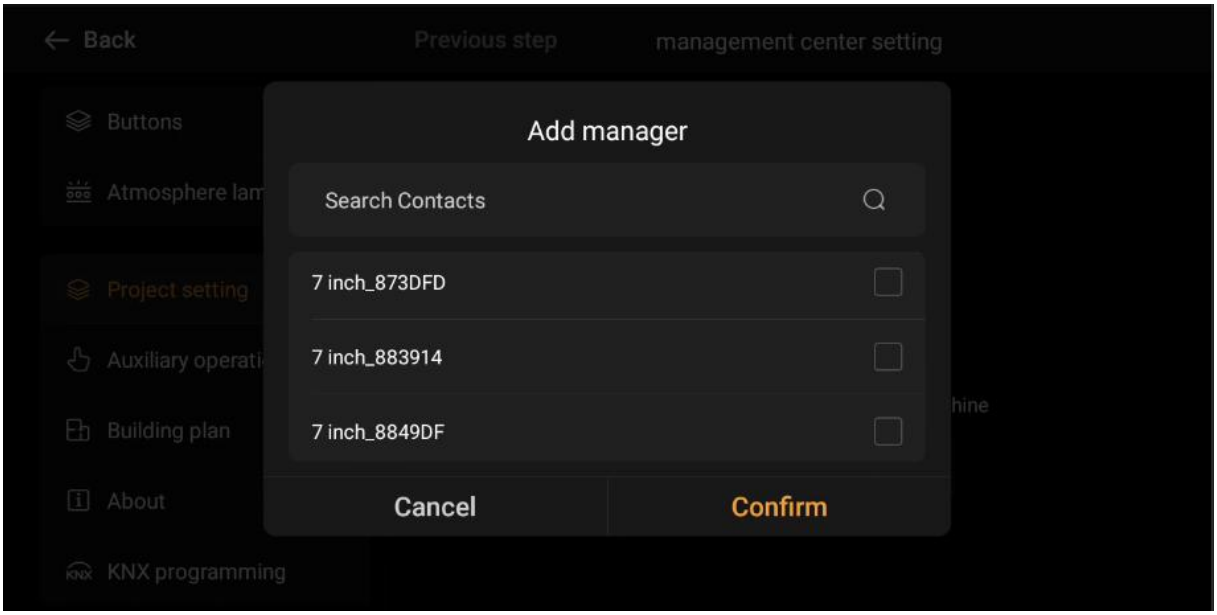


Fig.8.13(10) Add manager

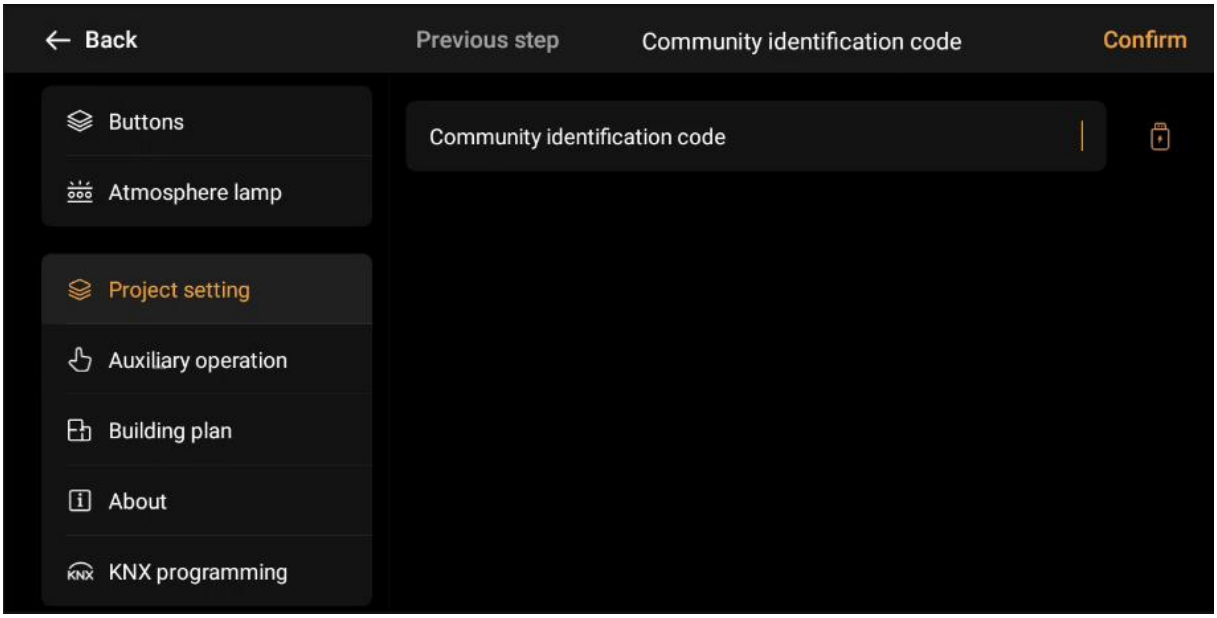


Fig.8.13(11) Community identification code

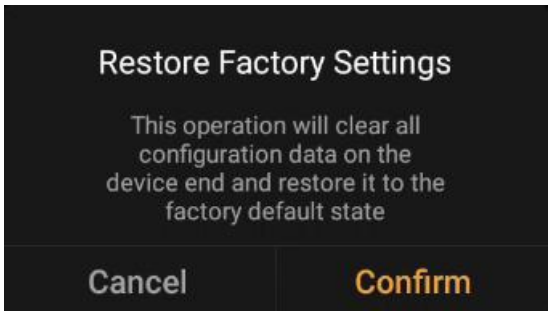


Fig.8.13(6)

(1)Displays the device name, which can be customized and modified.

(2)Setting the local SIP account. You can set up 4 SIP accounts belonging to this device. As shown in Fig.8.13(2).

(3)DHCP setting. As shown in Fig.8.13(3).

(4)Enable/Disable the device module function, such as Intercom, when it is disabled, the related interaction and UI will not be displayed by default. as shown in Fig.8.13(4).

(5)Enable/Disable the password error lock.After the password lock is enable,if you enter the incorrect password 5 times in a row,you will not be able to try again until 5 minutes later.

(6)Touch to enter hidden device page, as in Figure 8.13(6), select the device you want to hide and click “Confirm” will hide this device card in the device page.

Note: The hidden device function is only applicable to software version 4.1.0 or above.

(7)Click to enter the sort device type page, as in Fig. 8.13(7), drag the corresponding device type and click “Confirm” to adjust the sorting of device types in the device page.

Note: The hidden device function is only applicable to software version 4.1.0 or above.

(8)Click to enter the sort location page, as in Fig. 8.13(8), drag the corresponding location and click “Confirm” to adjust the sorting of location in the device page.

Note: The sort location function is only applicable to software version 4.1.0 or above.

(9)Click to enter management center setting page, as shown in Fig. 8.13(9). Click “ADD MANAGER”, as shown in Fig. 8.13(10), you can search all the devices

under the same IP segment, and then select the desired device as the manager, then this device will as a slave, and it can unlock, monitor and call with the community devices connected to the manager.

Note: The add manager function is only applicable to software version 4.1.0 or above.

(10)Click to enter community identification code to bind the corresponding community, as shown in Fig. 8.13(11).

Note: The bound community function is only applicable to software version 4.1.0 or above.

(11)Touch to restore factory settings,pop up sub-window shown in Fig.8.13(12),touch confirm,it will clear all configuration data on the device end and restore it to the factory default state.Please be careful with the operation.

8.14 Auxiliary operation

The auxiliary operations are shown in Fig.8.14(1), which allows you to set the cleaning mode, enable/disable vibration, proximity sensing and the temperature units displayed on the screen.

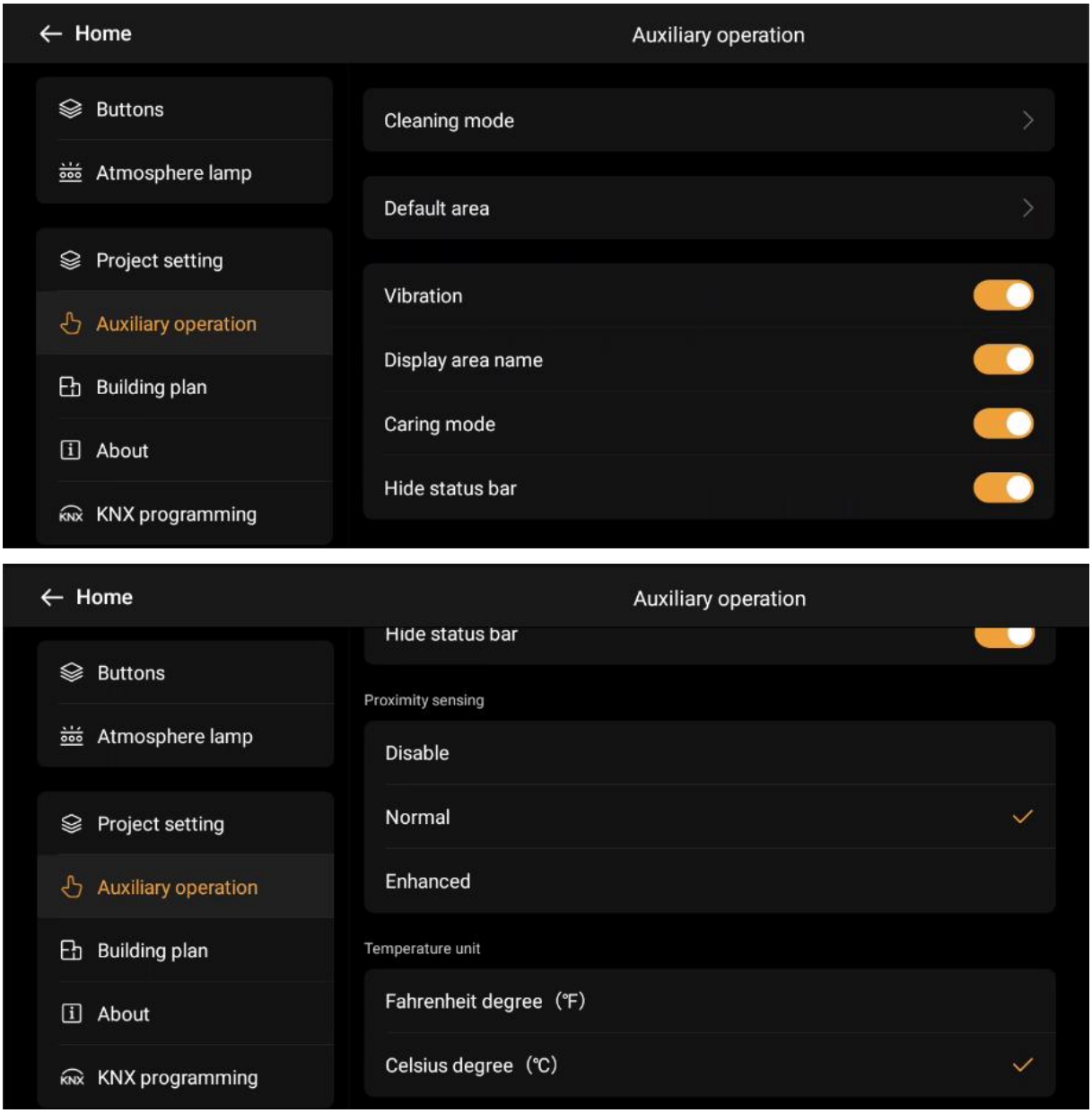


Fig.8.14(1) Auxiliary operations

(1)Touch the "Cleaning mode" to enter the cleaning mode setting page, as shown in Fig. 8.14(2), you can set the countdown time in cleaning mode. The minimum setting time is 5s, the maximum setting time is 60s, and the default setting time is 30s.Touch "Confirm" to enter the cleaning mode countdown page, as shown in Fig. 8.14(3), the countdown ends to return to the setup page, and the page is invalid for touching during the countdown period.

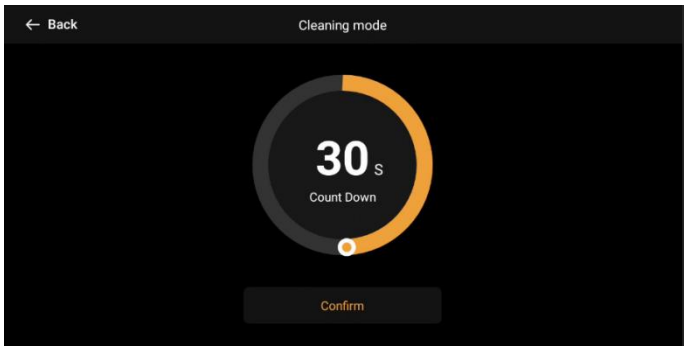


Fig.8.14(2)

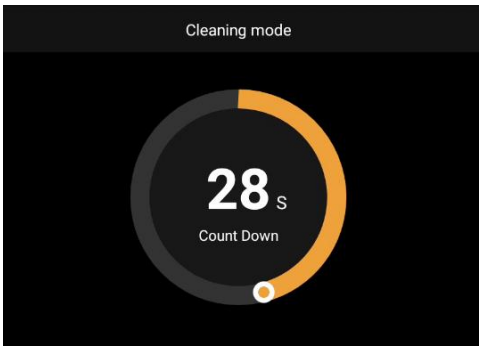


Fig.8.14(3)

(2)Enable/disable vibration.Vibration feedback for touch operation when vibration is enable.

(3)Enable/Disable the display area name. When the Display Area Name is enabled, the area where the device is located can be displayed, as shown in Figure 8.14(4); otherwise, it will not be displayed, as shown in Figure 8.14(5).

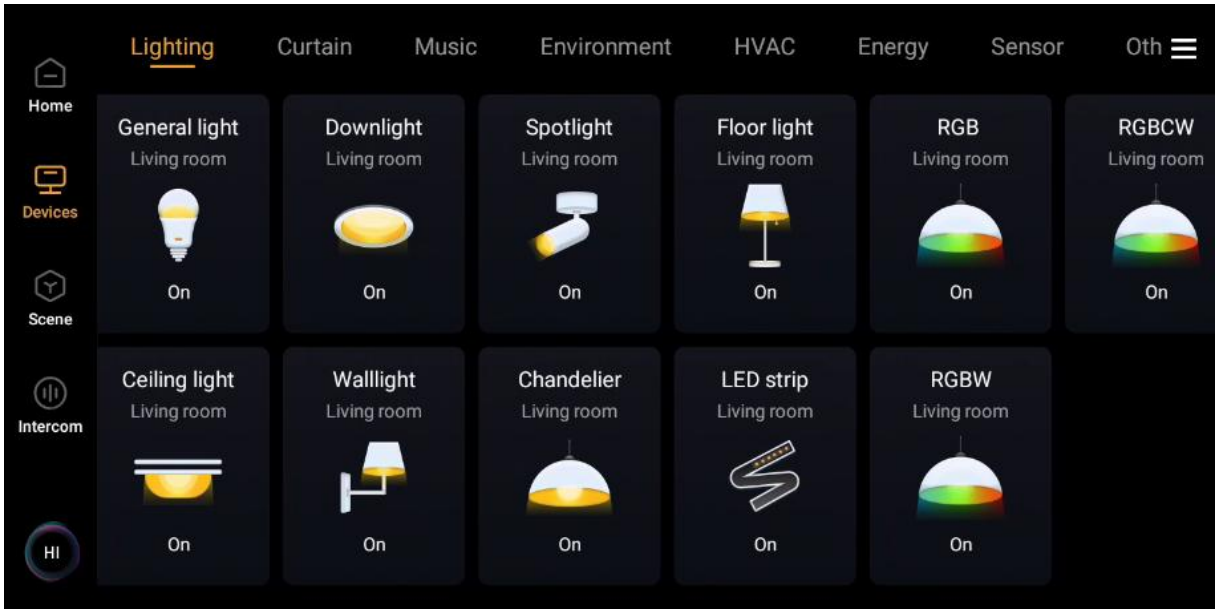


Fig.8.14(4) Enable the display area name

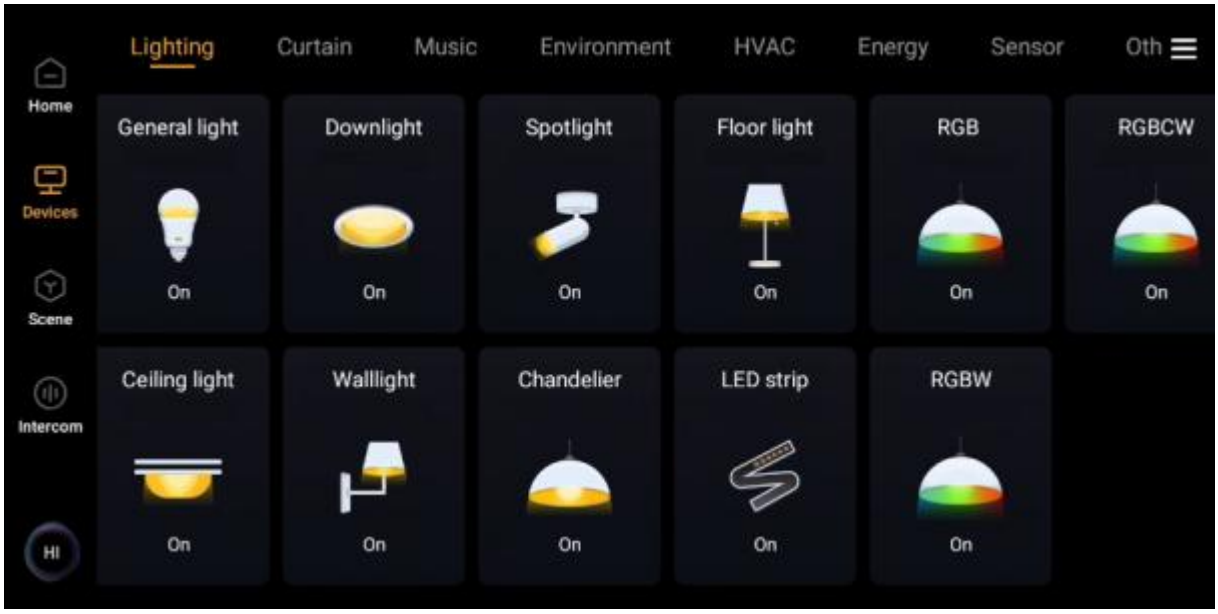


Fig.8.14(5) Disable the display area name

(4)Turn on/off caring mode, the device card font becomes larger when caring mode is turn on. As shown in Fig. 8.16(6) and 8.14(7).

Note: The caring mode is only applicable to software version 4.1.0 or above.

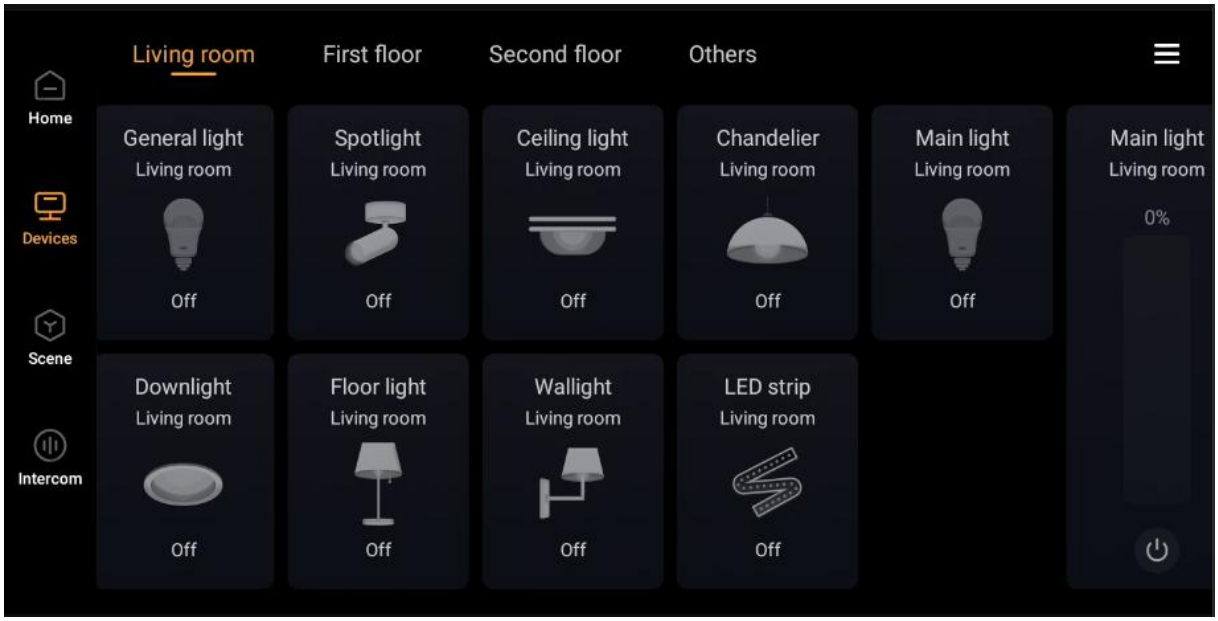


Fig.8.14(6) Turn off caring mode

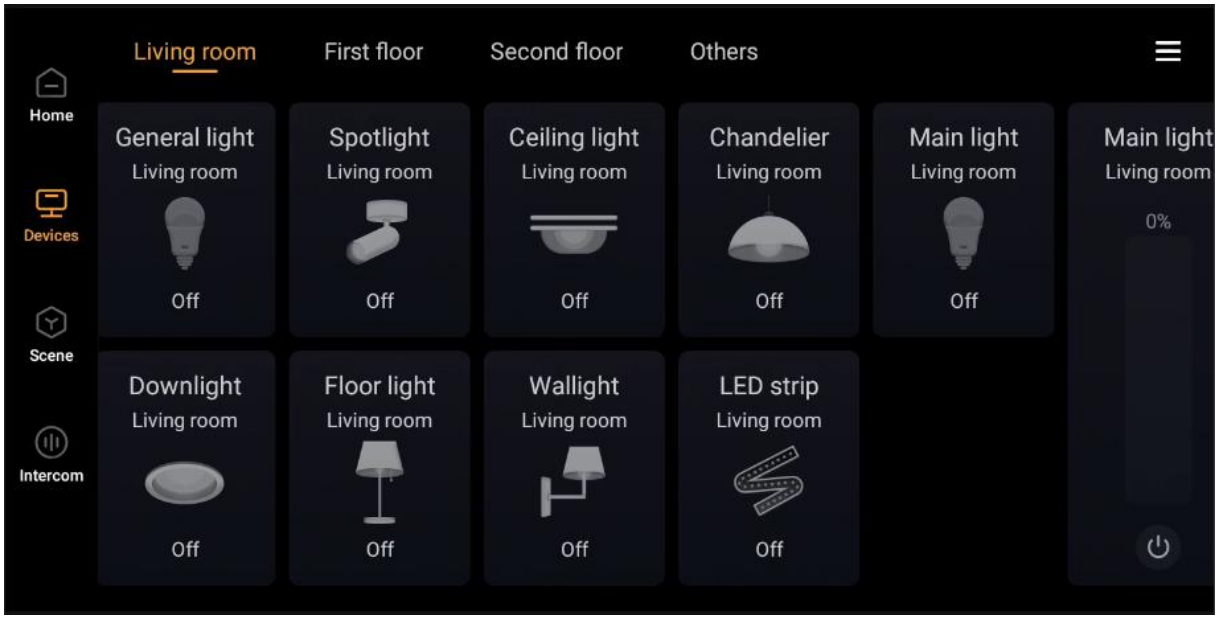


Fig.8.14(7)Turn on caring mode

(5) Turn on/off hide status bar, when hide status bar is turned on, the status bar on the home page will be hidden.

Note: The hide status bar is only applicable to software version 4.1.0 or above.

(6)Set the distance for proximity sensing.There are three settings:disable, normal, enhanced,which indicate the distance of proximity sensing.

The distance of "Normal" is about 30cm; the distance of "Enhanced" is about 60cm, when the device senses the human body approaching, it wakes up the device and enters into the operation page or the security page.

(7)Set the temperature units displayed on the screen.Select from Fahrenheit degree(°F) or Celsius degree(°C).

8.15 Building plan

The building plan are shown in Fig.8.15,up to 32 areas can be added.

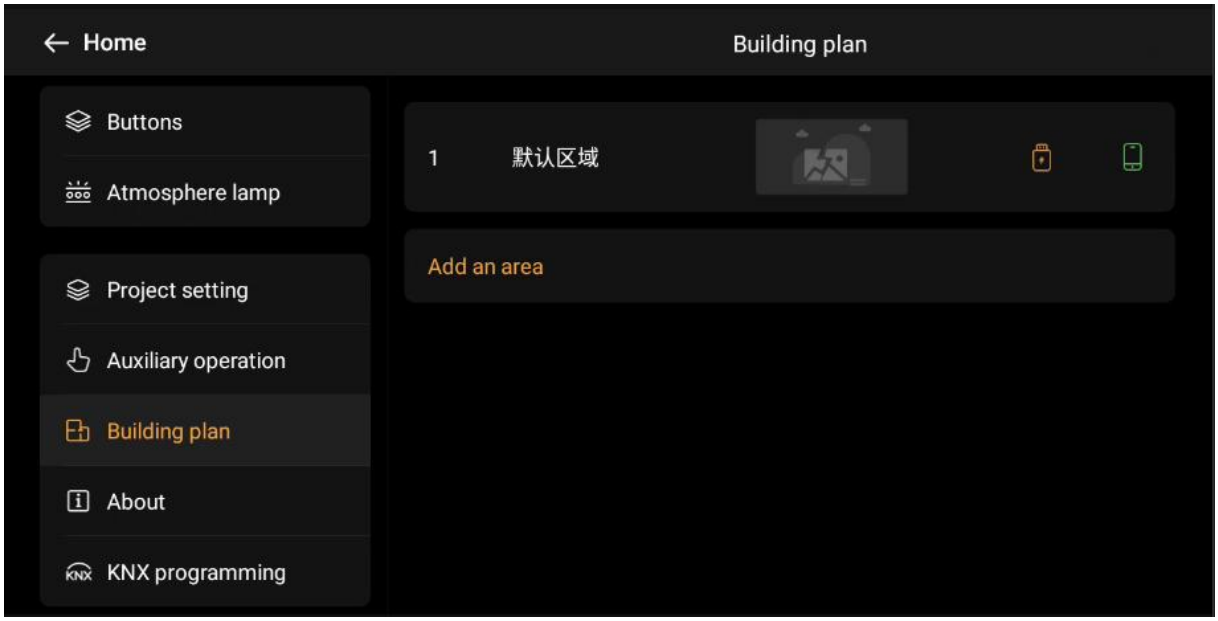


Fig.8.15 Building plan

(1)Slide left on the building plan entry and touch on the icon  to delete the building plan.

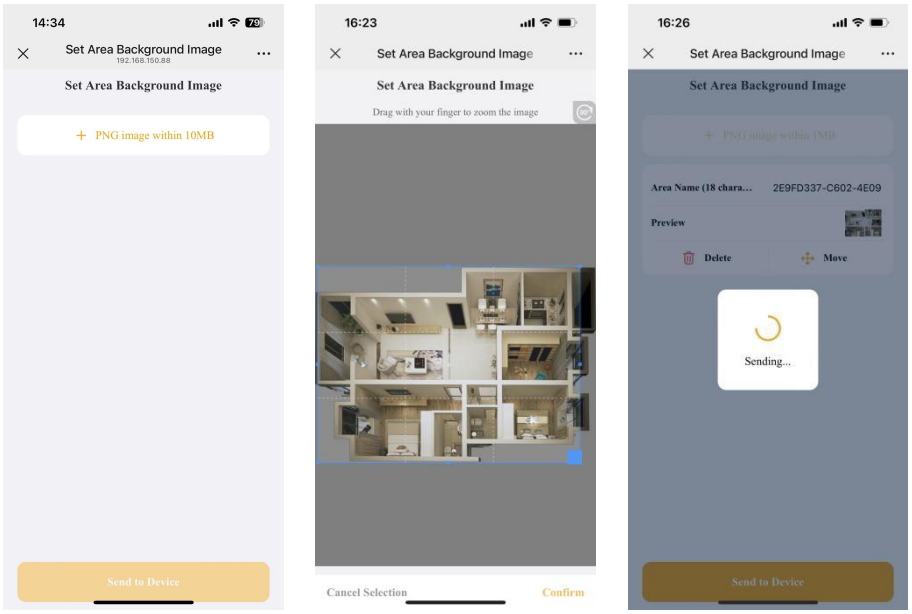
(2)Touch “Add an area” to add up to 32 building plan.

The way to upload a building plan is as follows:

a.Keep the device and phone on the same WLAN, touch the icon  to pop up following QR code then scan it with the phone:

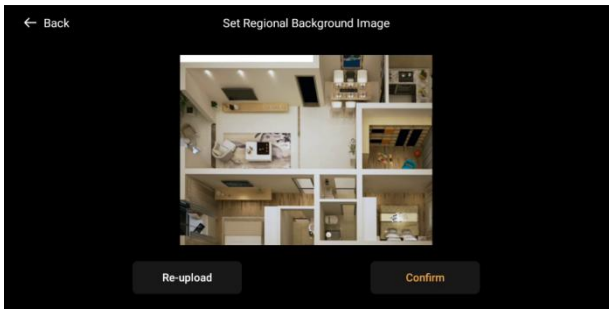
Range setting-QR code

b.Select a photo in the phone to send to device. Support PNG picture within 10 MB, you can customize the area name.Touch "Send to device" when finished:



Upload the floor plan on the mobile phone

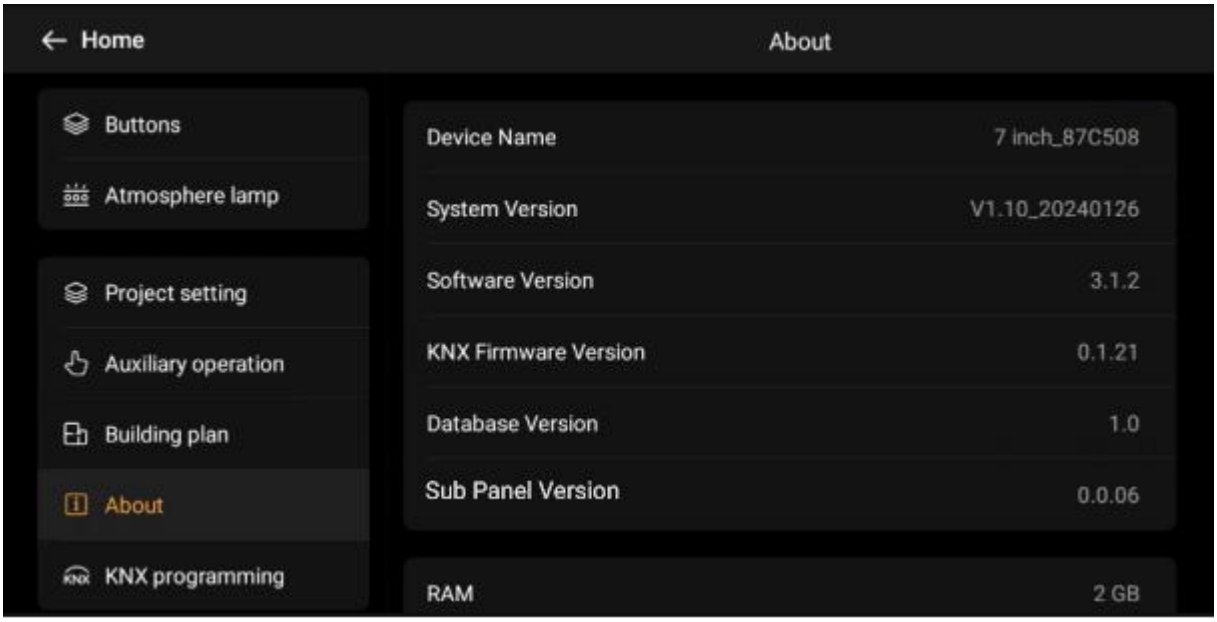
c.The device receives the new building plan and enter to the preview page, where you can touch “Confirm” to complete the upload, or choose to “re-upload”:

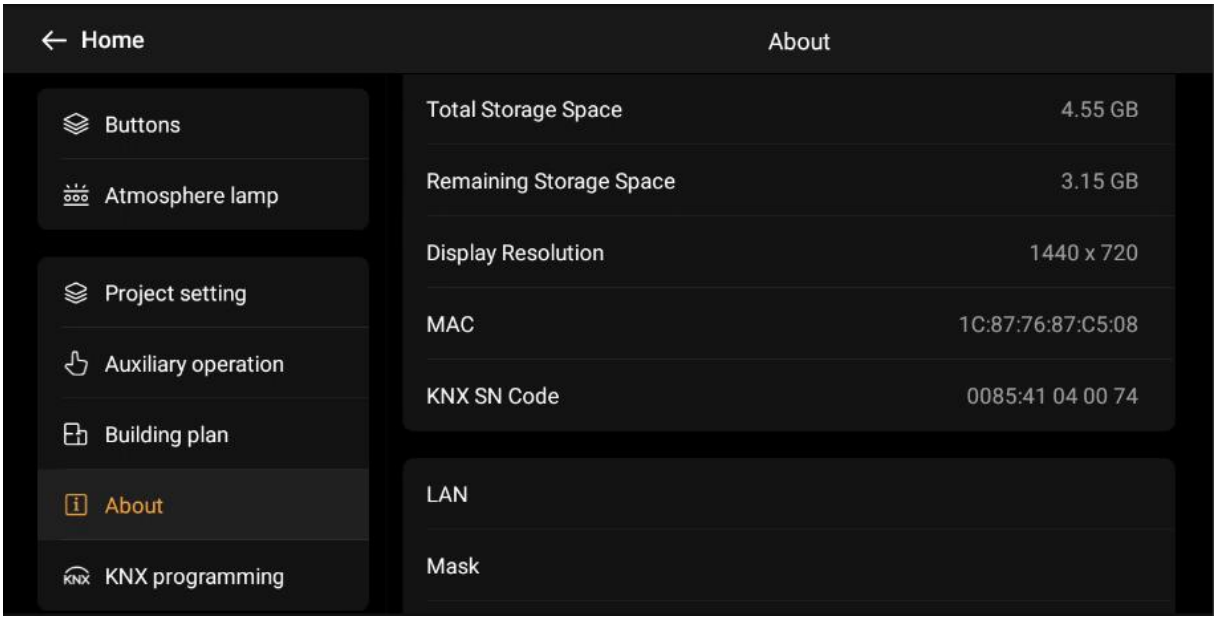


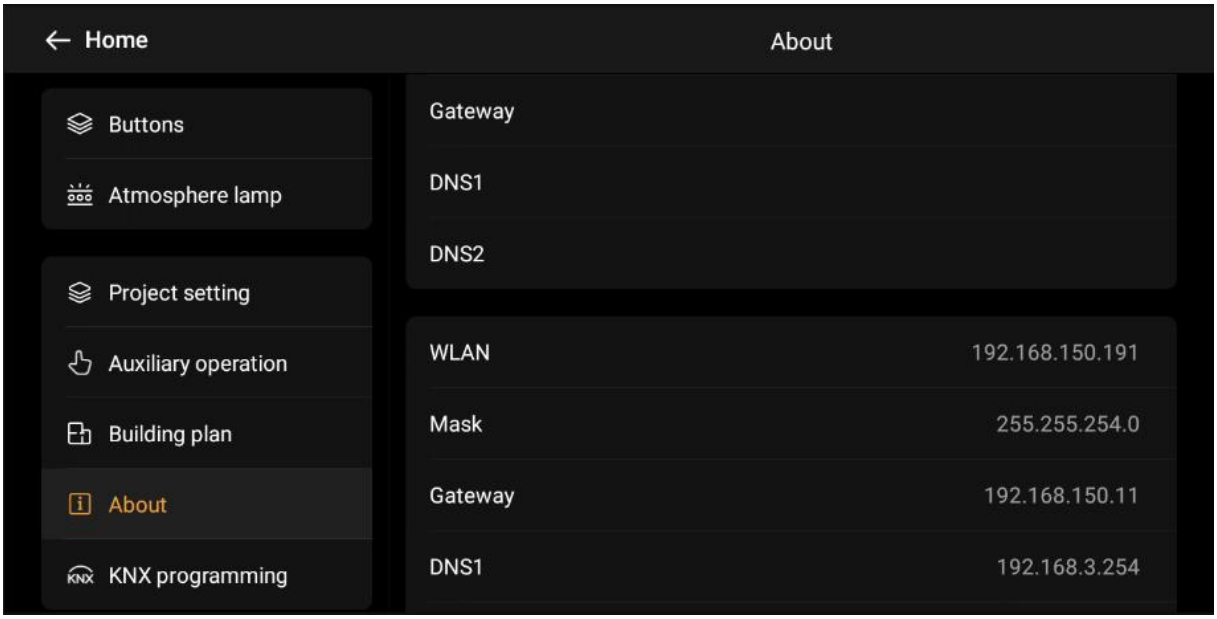
Device receipt floor plan

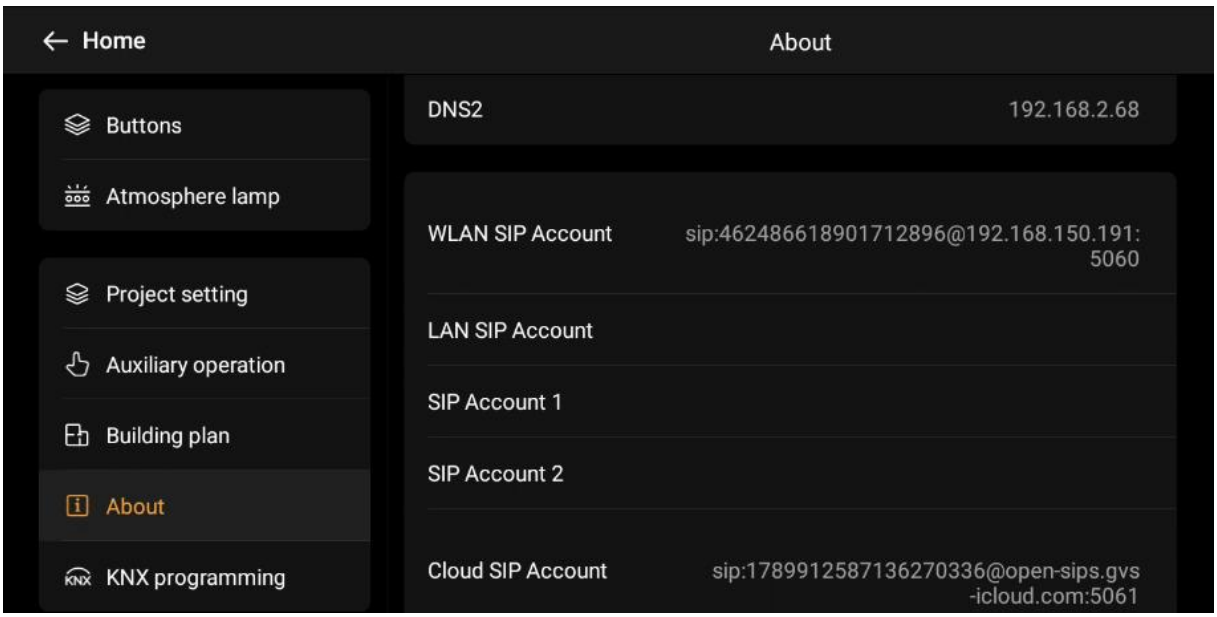
8.16 About

Detailed system information for this device is shown in Fig.8.16.






Home
About
Buttons
Atmosphere lamp
Project setting
Auxiliary operation
Building plan
About
KNX programming
Gateway
DNS1
DNS2
WLAN 192.168.150.191
Mask 255.255.254.0
Gateway 192.168.150.11
DNS1 192.168.3.254


Home
About
Buttons
Atmosphere lamp
Project setting
Auxiliary operation
Building plan
About
KNX programming
DNS2 192.168.2.68
WLAN SIP Account sip:462486618901712896@192.168.150.191:5060
LAN SIP Account
SIP Account 1
SIP Account 2
Cloud SIP Account sip:1789912587136270336@open-sips.gvs-icloud.com:5061

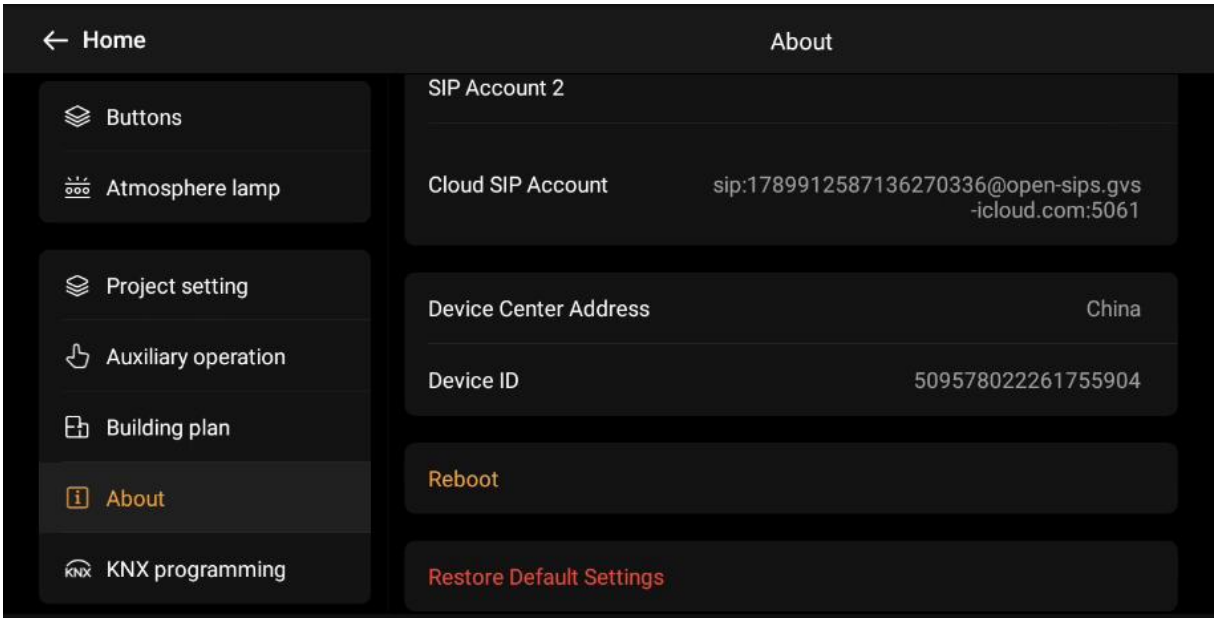


Fig.8.16 About

(1)Display Device Name, System Version, Software Version, KNX Firmware Version, Database Version, Sub Panel version(visible with S7 Extension Sub Panel).

(2)Display RAM,Total Storage Space,Remaining Storage Space.

(3)Display Resolution：1440*720

(4)Display MAC address

(5)Display KNX SN Code.

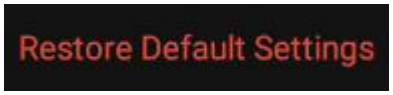
(6)Displays the WLAN, Mask, Gateway, DNS1 and DNS2 addresses when connecting to the wired network, which can also be customized through "Project Settings" - "Wired network settings".

(7)Displays the WLAN, Mask, Gateway, DNS1, and DNS2 addresses when connecting to a WLAN.

(8)Display WLAN SIP Account, LAN SIP Account, SIP Account 1, SIP Account 2, Cloud SIP Account, Device Center Address, Device ID.Among others, SIP Account and Device ID can be customized through "Project Settings"-"SIP Account".

(9)Touch icon 

and confirm,5s later reboot.

(12)Touch icon 

and confirm,it will restart in 5s and restore to the default configuration state.Only the original database configuration and address book configuration will be retained,and all user configured functions and settings will be reset.

8.17 KNX programming

The KNX programming are shown in Fig.8.17, which turn on/off the KNX programming , and below it displays the physical address of the device, which can be set via the ETS.

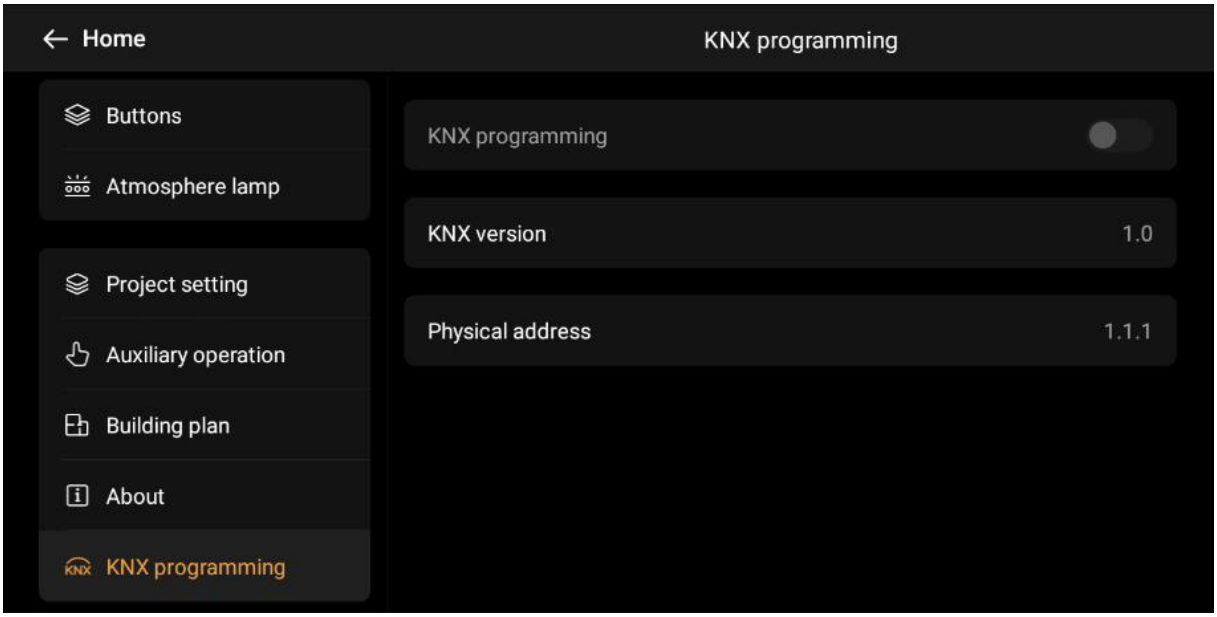


Fig.8.16 KNX programming

Chapter 9 OTA upgrade

OTA upgrade are available in the following three ways:

1. Background forced push: Applicable to some major version updates or bug fixes that affect user experience. As long as the device is connected to the cloud, the background will force the upgrade.

2. PC Tool Upgrade: Applicable to local upgrade, upgrade system version (including sub-panel) and application version of S7 through PC tool on the same LAN network. It can be used for upgrading non-internet devices or upgrading to a specified version that is not forced to be pushed. See Section 12.1 for detailed operation.

3. User-initiated upgrade: When there is an update to the system version (including sub-panel) and application version, an upgrade prompt will be displayed on the Sight & Sound Smarter APP, and the user can choose whether to upgrade or not by clicking into it. Detail operation in chapter 11.3.

Chapter 10 Icon list

10.1 Icon for device page

10.1.1 Theme 1 device icons

NO.	ETS options	Icon
01	General light	
02	Ceiling light	
03	Downlight	
04	Wall light	
05	Spotlight	
06	Chandelier	
07	Floor light	
08	LED strip	
09	RGB light	

NO.	ETS options	Icon
10	Curtain	
11	Roller blind	
12	Venetian blind	
38	TV	
39	Audio	
40	Socket(CHN)	
41	Socket(EU)	
42	Fan	
43	Lock1	

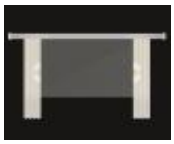
44	Lock2		56	FIRE	
45	Power 1		57	Water Sensor	
46	Power 2		58	Gas Sensors	
47	Window 1		59	Sensor 1	
48	Window 2		60	Sensor 2	
49	Alarm		61	Temperature 1	
50	Projector		62	Temperature 2	
51	Multimedia		63	Humidity	
52	Presence		64	PM2.5	
53	Infrared Sensor		65	PM10	
54	Door Sensor		66	CO2	
55	VESDA		67	VOC	

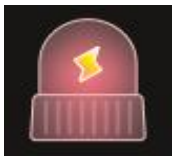
68	Brightness	
69	Wind speed	
70	Rain	
71	Energy	
72	I/O signal	
73	Electronic heating	
74	Water heating	
75	Air conditioner 1	
76	Air conditioner 2	

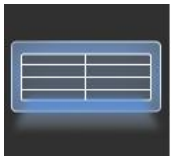
77	Air conditioner 3	
78	Heating	
79	Cooling	
80	Heating/Cooling	
81	Music 1	
82	Music 2	
83	Ventilation	
84	AQI	

10.1.2 Theme 2 device icons

NO.	ETS options	Icon
01	General light	
02	Ceiling light	
03	Downlight	
04	Wall light	
05	Spotlight	
06	Chandelier	
07	Floor light	
08	LED strip	
09	RGB light	

NO.	ETS options	Icon
10	Curtain	
11	Roller blind	
12	Venetian blind	
38	TV	
39	Audio	
40	Socket(CHN)	
41	Socket(EU)	
42	Fan	
43	Lock1	

44	Lock2		54	Door Sensor	
45	Power 1		55	VESDA	
46	Power 2		56	FIRE	
47	Window 1		57	Water Sensor	
48	Window 2		58	Gas Sensors	
49	Alarm		59	Sensor 1	
50	Projector		60	Sensor 2	
51	Multimedia		61	Temperature 1	
52	Presence		62	Temperature 2	
53	Infrared Sensor		63	Humidity	

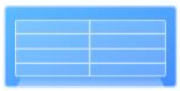
64	PM2.5		75	Air conditioner 1	
65	PM10		76	Air conditioner 2	
66	CO2		77	Air conditioner 3	
67	VOC		78	Heating	
68	Brightness		79	Cooling	
69	Wind speed		80	Heating/Cooling	
70	Rain		81	Music 1	
71	Energy		82	Music 2	
72	I/O signal		83	Ventilation	
73	Electronic heating		84	AQI	
74	Water heating				

10.1.3 Theme 3 device icons

NO.	ETS options	Icon
01	General light	
02	Ceiling light	
03	Downlight	
04	Wall light	
05	Spotlight	
06	Chandelier	
07	Floor light	
08	LED strip	
09	RGB light	

NO.	ETS options	Icon
10	Curtain	
11	Roller blind	
12	Venetian blind	
38	TV	
39	Audio	
40	Socket(CHN)	
41	Socket(EU)	
42	Fan	
43	Lock1	

44	Lock2		54	Door Sensor	
45	Power 1		55	VESDA	
46	Power 2		56	FIRE	
47	Window 1		57	Water Sensor	
48	Window 2		58	Gas Sensors	
49	Alarm		59	Sensor 1	
50	Projector		60	Sensor 2	
51	Multimedia		61	Temperature 1	
52	Presence		62	Temperature 2	
53	Infrared Sensor		63	Humidity	

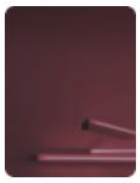
64	PM2.5		75	Air conditioner 1	
65	PM10		76	Air conditioner 2	
66	CO2		77	Air conditioner 3	
67	VOC		78	Heating	
68	Brightness		79	Cooling	
69	Wind speed		80	Heating/Cooling	
70	Rain		81	Music 1	
71	Energy		82	Music 2	
72	I/O signal		83	Ventilation	
73	Electronic heating		84	AQI	
74	Water heating				

10.2 Icon for scene page

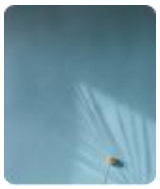
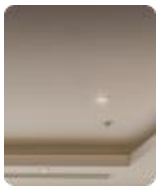
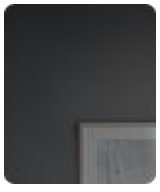
10.2.1 Theme 1 scene icons

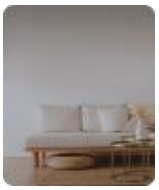
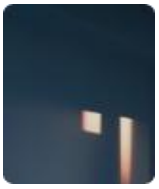
NO.	ETS options	Icon
13	General scene 1	
14	General scene 2	
15	General scene 3	
16	General scene 4	
17	General scene 5	
18	All on	
19	All off	

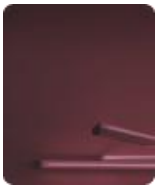
NO.	ETS options	Icon
20	Go home 1	
21	Leave home 1	
22	Go home 2	
23	Leave home 2	
24	Welcome	
25	Dinner	
26	Party	

27	Sleeping		33	Security	
28	Wake up		34	Conference	
29	Reading		35	Relax	
30	Media		36	Romantic	
31	Cleaning		37	Play	
32	Economy				

10.2.2 Theme 2 scene icons

NO.	ETS options	Icon
13	General scene 1	
14	General scene 2	
15	General scene 3	
16	General scene 4	
17	General scene 5	
18	All on	
19	All off	

NO.	ETS options	Icon
20	Go home 1	
21	Leave home 1	
22	Go home 2	
23	Leave home 2	
24	Welcome	
25	Dinner	
26	Party	

27	Sleeping		33	Security	
28	Wake up		34	Conference	
29	Reading		35	Relax	
30	Media		36	Romantic	
31	Cleaning		37	Play	
32	Economy				

10.2.3 Theme 3 scene icons

NO.	ETS options	Icon
13	General scene 1	
14	General scene 2	
15	General scene 3	
16	General scene 4	
17	General scene 5	
18	All on	
19	All off	
27	Sleeping	

NO.	ETS options	Icon
20	Go home 1	
21	Leave home 1	
22	Go home 2	
23	Leave home 2	
24	Welcome	
25	Dinner	
26	Party	
33	Security	

28	**Wake up**	
29	**Reading**	
30	**Media**	
31	**Cleaning**	
32	**Economy**	

34	**Conference**	
35	**Relax**	
36	**Romantic**	
37	**Play**	

Chapter 11 APP Binding

The KNX Smart Touch S7 (hereinafter referred to as S7) synchronizes the sub-devices and scenes of S7 to the cloud by binding with the "GVS Smart" (hereinafter referred to as APP), and enables remote device control, scene control, and status synchronization through the APP. At the same time, the sub-devices and scenes of the APP will also be synchronized to S7. The detailed operations are as follows:

11.1 Binding

（1）Pull down the top of the home page, the shortcut page appears → Click “APP Binding”, as shown in Figure 11.1, and use the GVS APP to scan the QR code on the screen, as shown in Figure 11.1.

Note：Please confirm that the device is connected to the network.

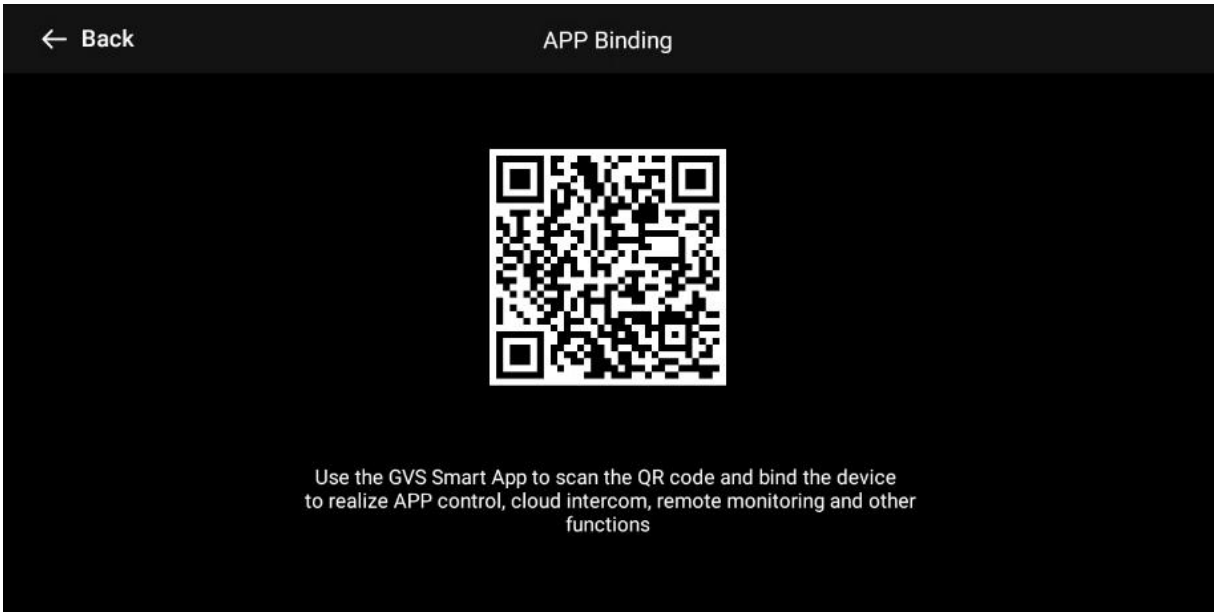
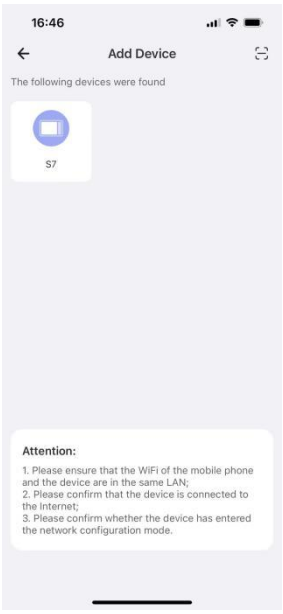


Fig.11.1 Binding

11.1.1 Device information synchronization

（1） After successfully scanning the QR code with your phone, the found device will be displayed, as shown in Figure 11.1.1(1). Click on the desired device to show the pop up sub-window as shown in Figure 11.1.1(2). Click "Confirm" to add the selected device.



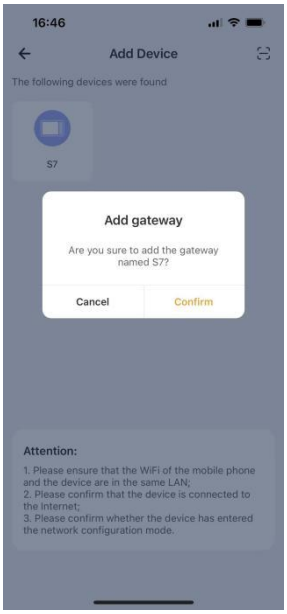


Fig.11.1.1(1) Add device Fig.11.1.1(2) Confirm add device

（2） Navigate to the gateway information synchronization interface, synchronize the device, scene and room belonging with S7 to be displayed in the APP. Users can select to synchronize these configuration details as needed. If the data remains unchanged, synchronization is not necessary.

Display the number of devices, scenes, and rooms on S7. Click on the icon " " to view details and select the information that needs to be synchronized to the app, as shown in Figure 11.1.1(3).

Note： Users can make secondary edits to the synchronized gateway information through the S7 Device Information page. Devices, rooms, and scenes that have already been synchronized cannot be synchronized repeatedly.

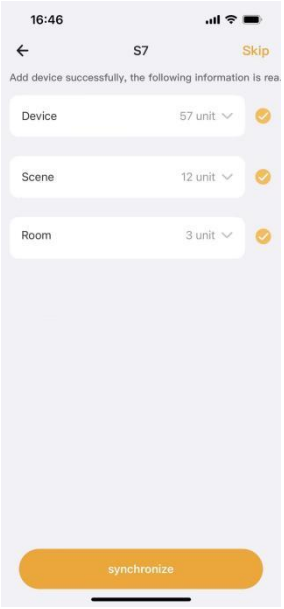


Fig.11.1.1(3) device details

Note：When synchronizing rooms, if there is already a room with the same name in the APP, a sub-window will appear, you can choose "Normal synchronization" or "Merge rooms". If you choose "Normal synchronization", the room and its associated devices will be synchronized to the APP normally, while "Merge rooms" will associate the sub-devices of the renamed room to the existing room with the same name.

Skip：Skip the S7 information synchronization operation, that is, do not synchronize the information from S7 to the app.

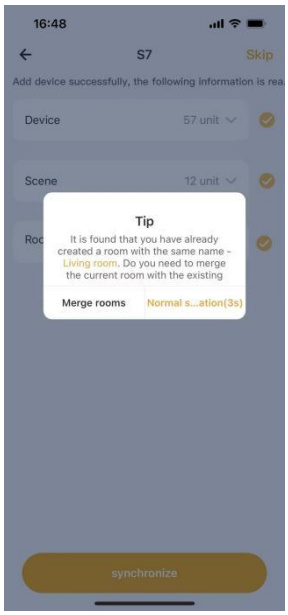
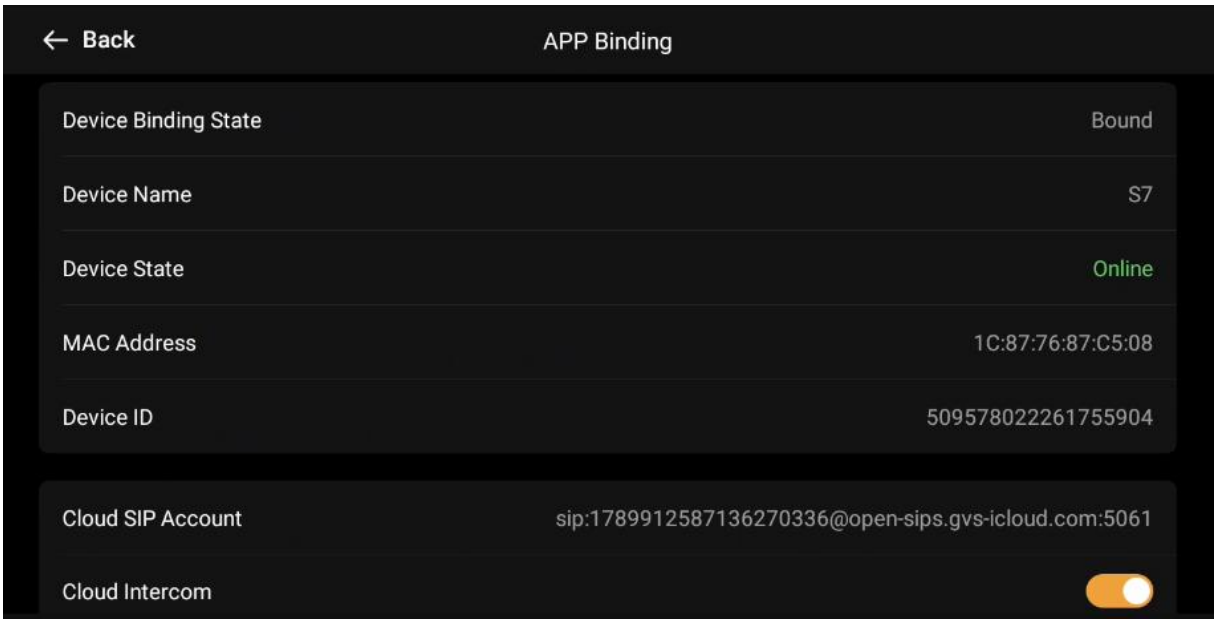


Fig.11.1.1(4) Device information synchronization

（3） After S7 is successfully bound to APP, S7 can view detailed account binding information, such as device binding status, device name, device status, MAC address, device ID, cloud SIP account, cloud intercom status, remote monitoring status, unbind and clear data, as shown in Figure 11.1.1(5).

When cloud intercom is enabled, the indoor unit will automatically transfer the call to the cloud after receiving a call, and the APP will display the incoming call. When it is disabled, this function will not be executed. When remote monitoring is enabled, the APP can access the monitoring device list and monitoring records through the indoor unit. When it is disabled, the monitoring device list will not be displayed on the APP, and monitoring operations cannot be performed.



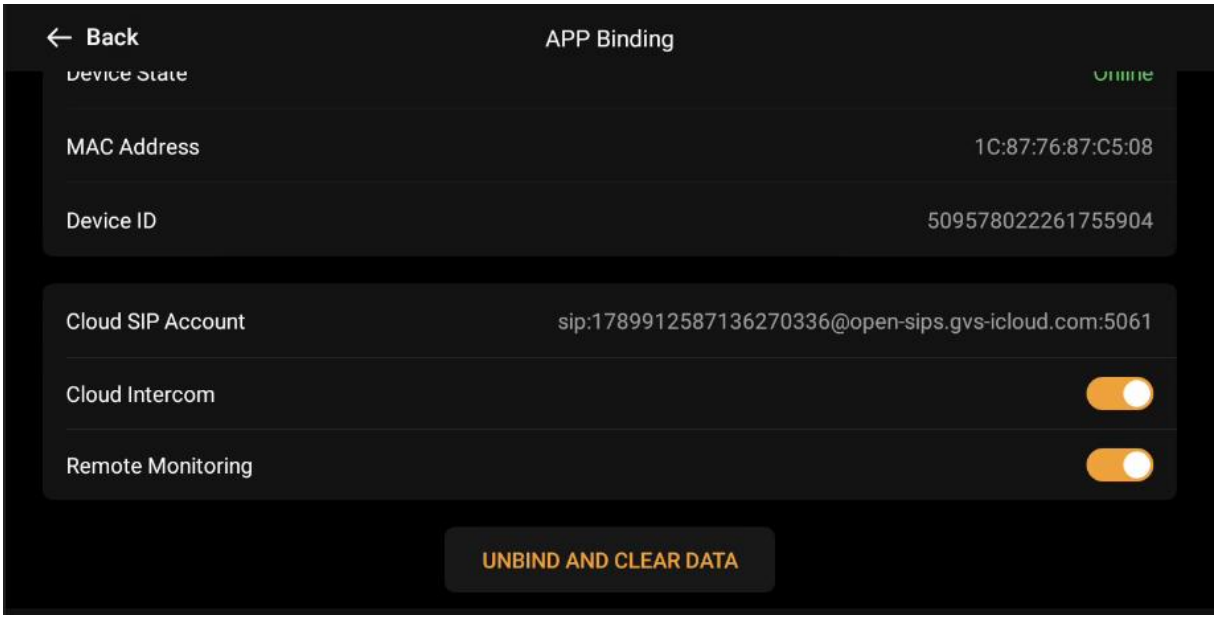


Fig.11.1.1(5) S7 account binding successful

11.2 Unbind device

There are the following 2 methods to unbind S7 from the app:

①Unbind on the S7： Open the shortcut page → click on “APP Binding”, enter the “APP Binding” page, click on “unbind and clear data”→ click “Confirm” to unbind S7 from the app, as shown in figure 11.2(1).

②Unbind on the APP： Click on “Device” → Select “KNX Smart Touch S7” → Click on the top left corner icon "•••" to enter device details, click on “Unbind Device”→ Click “Confirm” to unbind the S7 from the app, as shown in figure 11.2(2)."

Note： After unbinding, the S7 and its sub-devices in the app will be completely cleared. Additionally, cloud-related functions such as gateway, cloud intercom, and remote monitoring will be disabled.The conditions or execution results of the related devices in the scene will be cleared, and all the devices on the device side that are acquired from the cloud, and the scene will also be cleared.

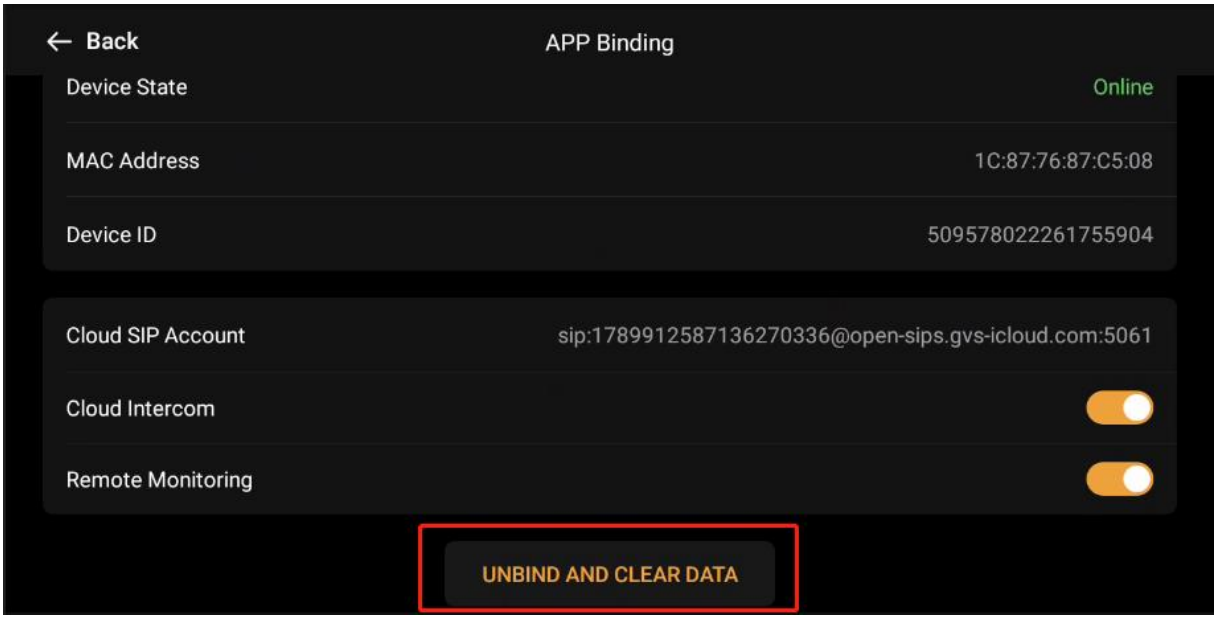


Fig.11.2(1) Device unbind

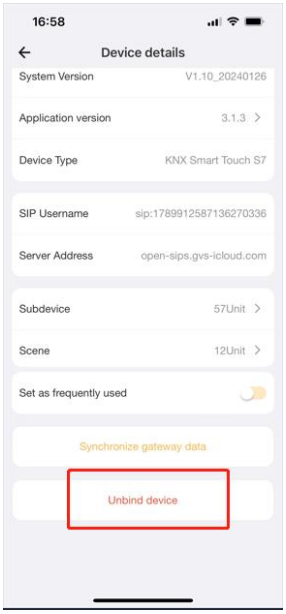


Fig.11.2(2) APP unbind

11.3 Device control interface

After successfully binding the S7 with the app, the device page will synchronously display all devices on the S7 along with their status area, and scenes. Performing related device or scene control operations on the APP will update the status in real-time on the S7 display. Moreover, you can also add other sub-device functions/scenes in APP to S7 for control.

APP synchronously displays the status of defense zones on S7, and receives alarm defense zones and SOS alarm notifications. You can also arm/disarm the S7 on the APP, and the status will be updated to the S7 in real time.

Note: APP synchronized display of zone status or arming/disarming is applicable to app version 4.1.* or above.

The details are as follows:

Select the KNX Smart Touch S7 to enter the detailed interface, as shown in Figure 11.3(1):

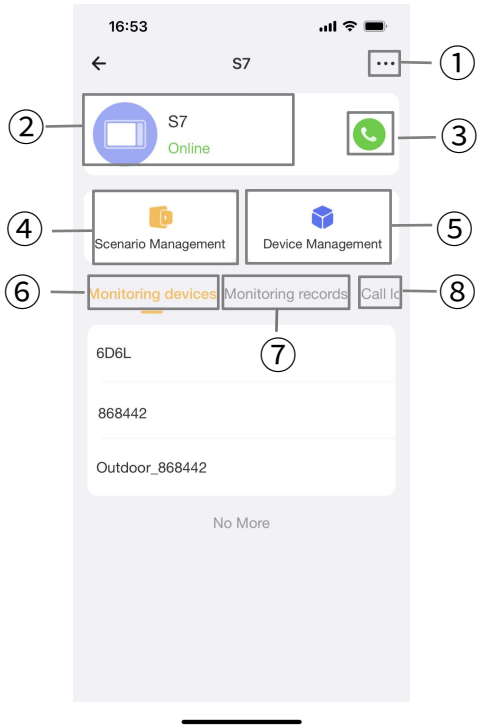


Fig.11.3(1) Device control interface

①Touch to view the device details, as shown in Fig.11.3(2)

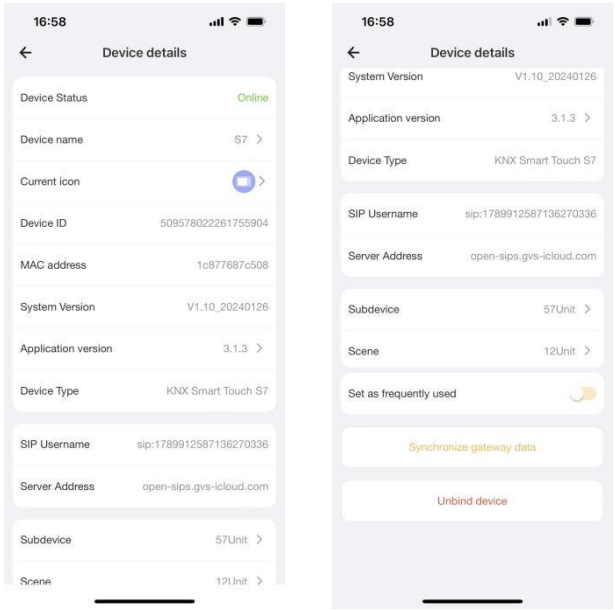


Fig.11.3(2) Device details

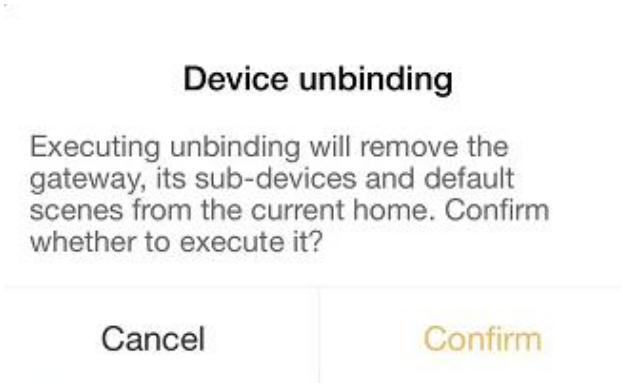
View device information：device status、device name、current icon、device ID、MAC address、system version、application version、device type、sip username、server address、. The device name and current icon can be changed.

Touch “system version” to view the version details and check for updates.

View gateway information：sub device、scene

Touch “synchronize gateway data” to jump the synchronization interface.Synchronize the initial configuration of the KNX device, you can select this configuration information for synchronization as needed.If the data has not changed, synchronization is not necessary.

Touch “Unbind device” to unbinding the S7 from APP, please confirm twice to execute the operation, please be careful.



②Display the device name and status.

③ Touch Call bound S7 to realize APP enable call S7 function. Detail operation in chapter 11.6.2

④Touch to enter scenario management page. Detail operation in chapter 11.4.

⑤Touch to enter device management page. Detail operation in chapter 11.5.

⑤Touch to view all monitoring devices. Detail operation in chapter 11.7.1.

⑥Touch to view all monitoring records. Detail operation in chapter 11.7.2.

⑦Touch to view all call logs. Detail operation in chapter 11.7.3.

11.4 scenario management

The scene manager interface is shown in Figure 11.4(1), touch the icon "+" in the upper right corner to add other scenes in APP to S7 for control, as shown in Figure 11.4(2).

Fig.11.4(1) scene manager

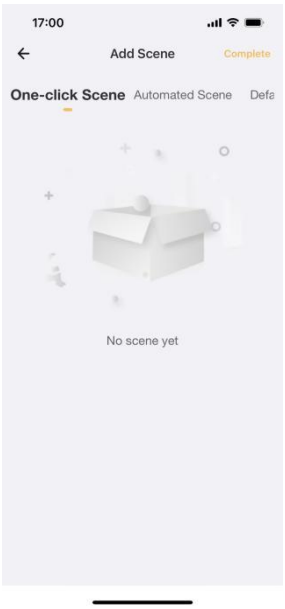


Fig.11.4(2) Add scene

11.5 device management

The device manager interface is shown in Figure 11.5(1), touch the icon "+" in the upper right corner to add other device in APP to S7 for control, as shown in Figure 11.5(2).

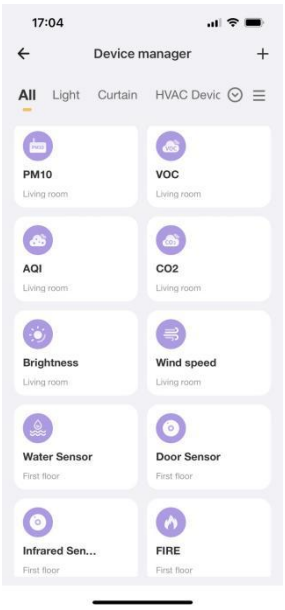


Fig.11.5(1) device manager

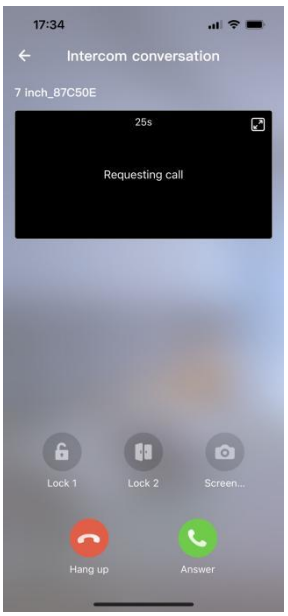
Fig.11.5(2) Add device

11.6 Cloud Intercom function

After successfully binding the S7 with the app, enable the cloud intercom function in the app binding settings page. When the indoor unit receives a call, it will be synchronized and pushed to the cloud. The app will display the incoming call.

11.6.1 APP call in

When S7 has enabled the cloud intercom function, S7 receives an call in, then this call will be synchronized under the current family, and the APP of the related family members can receive the call request, as shown in Figure 11.6.1, as follows:



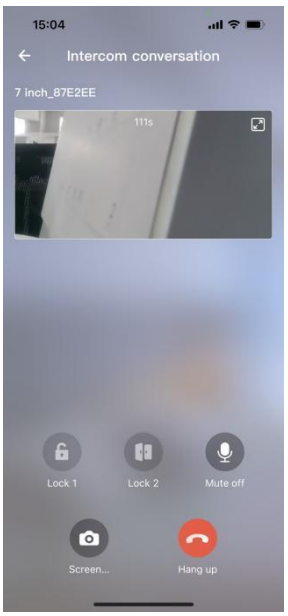


Fig.11.6.1(1) APP call in Fig.11.6.1(2) APP answer call in

(1)Display the camera screen of the incoming device, as shown in Fig.11.6.1(2). If the incoming device does not have a camera, the feed will default to black.

Note: When an incoming call is not answered, there is still displayed opposite camera screen.

(2) Lock：According to the device display reported by S7, click to send "lock" command to S7, S7 will send lock to the door machine after receiving the command.

Note：

①Only the door station will have the lock function; other devices do not have the unlock function.

②If the APP clicks "lock" and does not receive feedback within 5s, it will be assumed that the unlock attempt has failed.

（2）Screen photo：When the call is answered, you can click "Screen photo" and the picture taken will be stored as the call record. If the call is not answered, the "Screen photo" button is grayed out.

（3）Answer：Touch to answer the call。

（4）Hang Up：Touch hang up。

Note：The APP hangs up the call in, but the call in request on the S7 device side will still continue until the timeout or the other party hangs up.

11.6.2 APP exhale

Bound S7 devices can be called via APP as shown in Figure 11.6.2. If you need to call other devices you can transfer the call through monitoring. Detail operation in chapter 11.7.1.

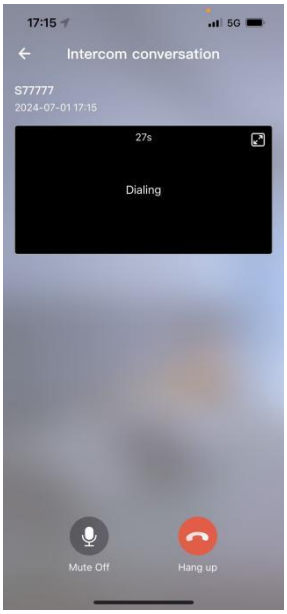


Fig.11.6.2 APP exhale

（1）Mute off：When the mute function is enabled, the other party cannot hear any sound after you answer the call. When the mute function is disabled, the other party can hear sound after you answer the call.

（2）Hang Up：Touch hang up。

Note：If the call is hung up on the app, the S7 will also disconnect the call request.

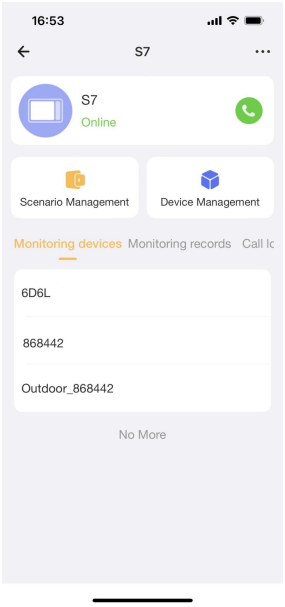
11.7 Remote Monitoring

11.7.1Monitoring devices

The monitoring devices synced from the S7 to the app are shown in Figure 11.7.1(1).

Note： Synchronizing and displaying IP camera on the appis only applicable to software version 4.1.0 or above.

The specific operations are as follows:



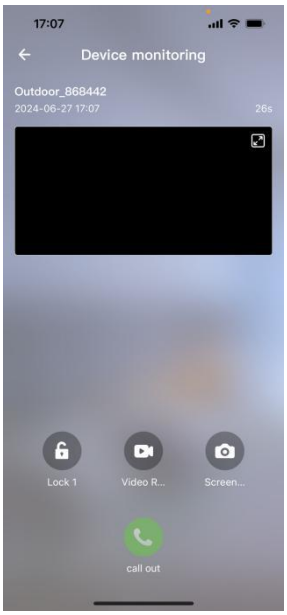


Fig.11.7.1(1) Monitoring devices Fig.11.7.1(2) Monitoring devices details

Monitoring devices details page

（1） Displays the selected monitoring device name, monitoring time, and monitoring screen.

（2） Touch the icon “  ” to preview the monitoring screen in full screen.

（3）Lock：According to the device display reported by S7, click to send "lock" command to S7, S7 will send lock to the door machine after receiving the command.

Note：

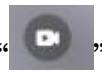
①Only the door station will have the lock function; other devices do not have the

unlock function.

②If the APP clicks "lock" and does not receive feedback within 5s, it will be assumed that the unlock attempt has failed.

（4）Video record：Display the monitoring screen and record according to the devices reported by S7.

Touch the icon “  ”, to preview the monitoring screen in full screen.

Touch the icon “  ” to end the recording.

Video recording supports up to 30s and storing up to 2 videos, more than 2 will overwrite the previous recordings.

（5）Screen photo：Touch to take photo of the surveillance screen.

Up to 9 photos can be taken, and more than 9 photos will overwrite the 1st photo taken before.

（6）Call out：Touch to call the selected monitoring device.

11.7.2 Monitoring records

The monitoring records synced from the S7 to the app are shown in Figure 11.7.2(1). The specific operations are as follows:

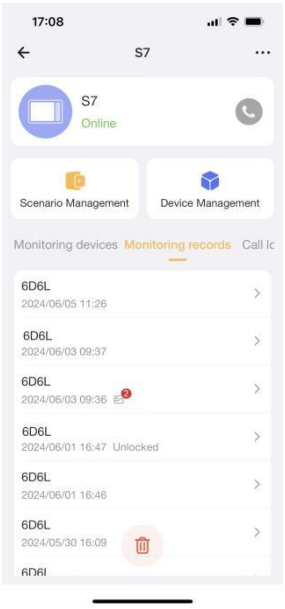


Fig.11.7.2(1) monitoring records

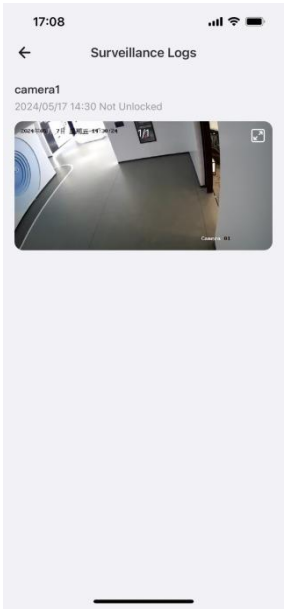


Fig.11.7.2(2) monitoring records details

（1）Displays the monitoring device name, monitoring time.

（2）Touch to select monitoring records to view the monitoring record or surveillance photos, as shown in Figure 11.7.2(2).

（3）Slide left on the monitoring device entry and the icon “  ” appears, touch to delete this monitoring record.

（4）Click the icon “  ” at the bottom to delete all records, and confirm twice to execute the deletion operation.

11.7.3 Call logs

The app can display the call records of the S7 through cloud synchronization, as shown in Figure 11.7.3(1). The specific operations are as follows:

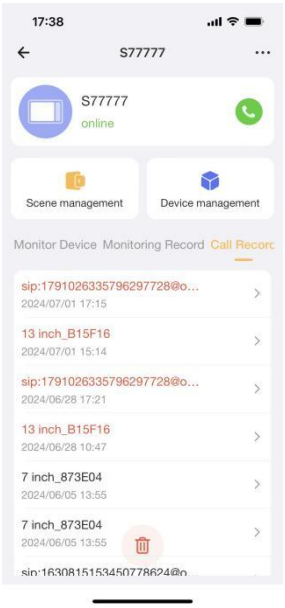


Fig.11.7.3(1) Call logs

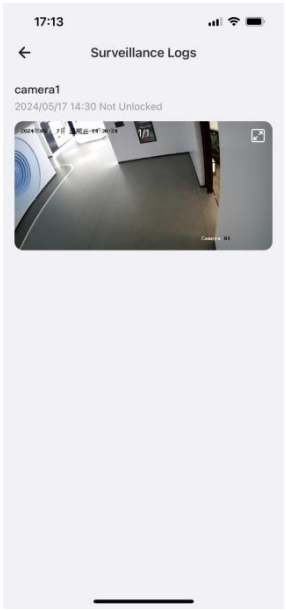


Fig.11.7.3(2) Call logs details

（1）Displays the addressee of a call and the time hung up, with a red dot marking missed calls.

（2）Click to select the call record to view the lock status and pictures in the outdoor station of the call record, as shown in Figure 11.7.3(2).

(3) Slide left on the call record entry and the icon “ ” appears,touch on to delete this call record.

（4）Click the icon “ ” at the bottom to delete all records and confirm twice to execute the deletion operation.

Chapter 12 PC Update & Configuration Tool

The "Update & Configuration Tool" (hereinafter referred to as "PC Tool") can be used to upgrade the system and applications version of S7 and its sub-panels、importing and configuring address books、importing custom UI resource. The specific operations are as follows:

Note：

1.Requires version V1.05 and above。

2.The computer and the device to be configured maintain the same IP segment.

3.The PC tool needs to be opened with administrator privileges

12.1 Program upgrade

For upgrading the system version and application version of the S7, the sub panel upgrade can be achieved through the system version upgrade.

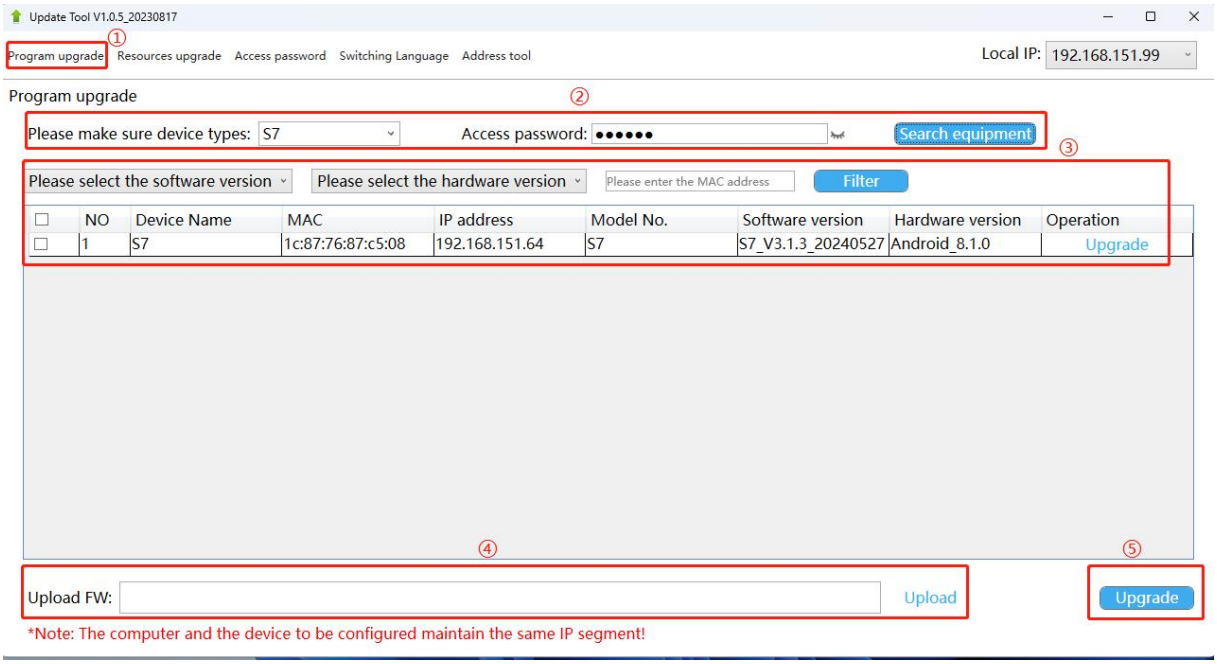


Fig.12.1 Program upgrade

①Touch to enter the program upgrade page, as shown in Fig.12.1.

②Enter or select the name of the device type that needs to be upgraded, and enter the access password: 801801, click "Search equipment" to search all S7 devices under the same IP segment.

Note：During the searching process, please keep the computer and the device under the same IP segment, if you still can't search, it may be the firewall of the computer that causes part of the function to be invalid, please turn off the firewall and try again.

③Display the list of all the searched devices and their corresponding device name, MAC, IP address, Model No., software version, hardware version information, check the box to select the devices that need to be upgraded.

Select software version/hardware version or input MAC address, click "Filter" button to filter the device of the same type.

④Click “Upload” to select the upgrade file from your computer's local files.

Note：The file name needs to be named starting with S7 and the file suffix is .apk.

Such as：S7_TOUCH_PANEL_V1.0_20240628.apk. No spaces or special characters are allowed.

⑤Click "Upgrade" will upgrade all selected devices.

12.2 Customized Address Book Import

The S7 can import a customized address book through the PC tool. The detailed operations are as follows:

1.PC Tools imports a customized address book:

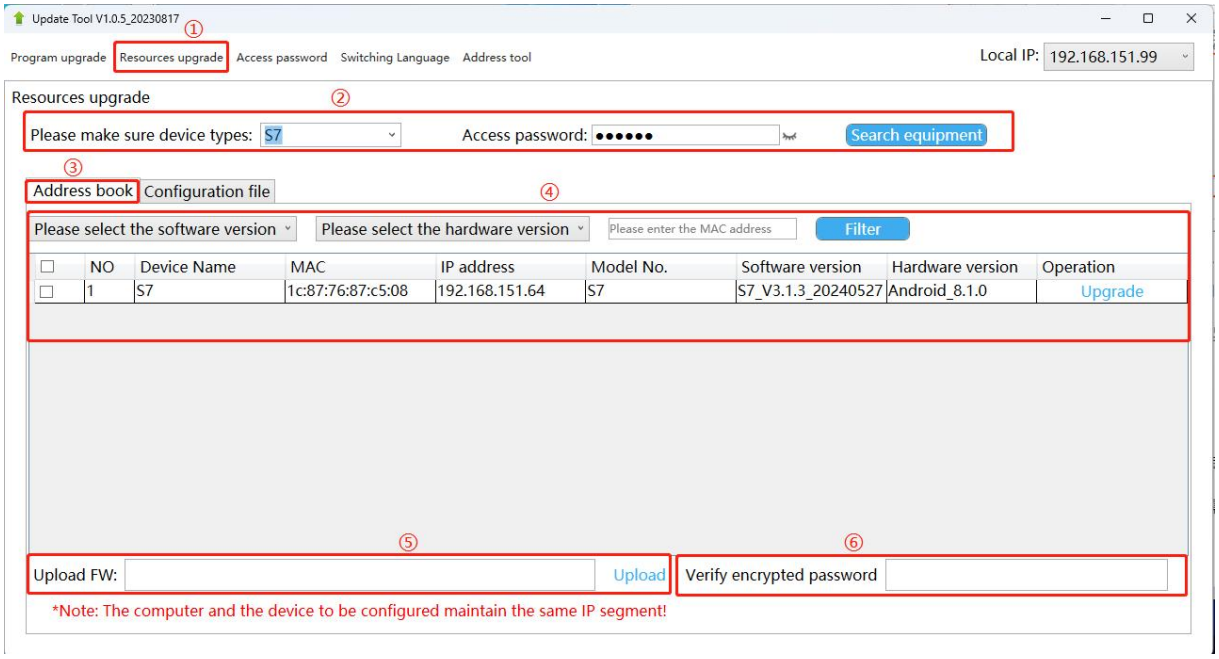


Fig.12.2(1)Customized Address Book Import

①Click to enter the Resources Upgrade page, as shown in Figure 12.2(1).

②Enter or select the device type name and enter the access password: 801801, click "Search equipment" to search all S7 devices under the same IP segment.

③Click to select the function type "Address Book" to upload a customized address book.

④Display the list of all the searched devices and their corresponding device name, MAC, IP address, Model No., software version, hardware version information, check the box to select the devices that need to be upgraded.

Select software version/hardware version or input MAC address, click "Filter" button to filter the device of the same type.

⑤Click Upload Customized Address Book.

Note：The file suffix is .xml.

Such as： S7_addressBook_20240628.xml. No spaces or special characters are allowed.

The customized address book configuration operation is detailed in Chapter 12.2.1.

⑥Enter the address book verify encrypted password.

⑦Click “Upload” to select the upgrade file from your computer's local files.

Note：The file name needs to be named starting with S7 and the file suffix is apk.

Such as：S7 TOUCH PANEL_V1.0_20240628.apk. No spaces or special characters are allowed.

2.Customized address book synchronization to S7 devices

①After the customized address book is imported by PC tool, S7 will show " Address Book Update Successful", as shown in Figure 12.2(2) :

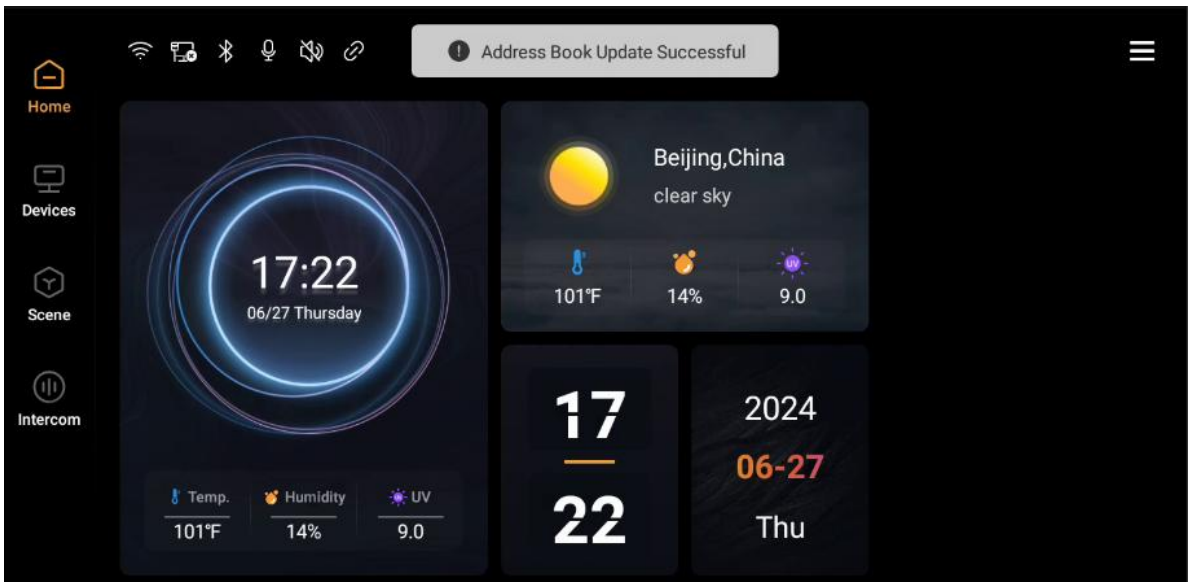


图 12.2(2)

② Enter the Setting page→click "Project Setting"→The device name is changed to match the address book name issued to S7, as shown in Figure 12.2(3) :

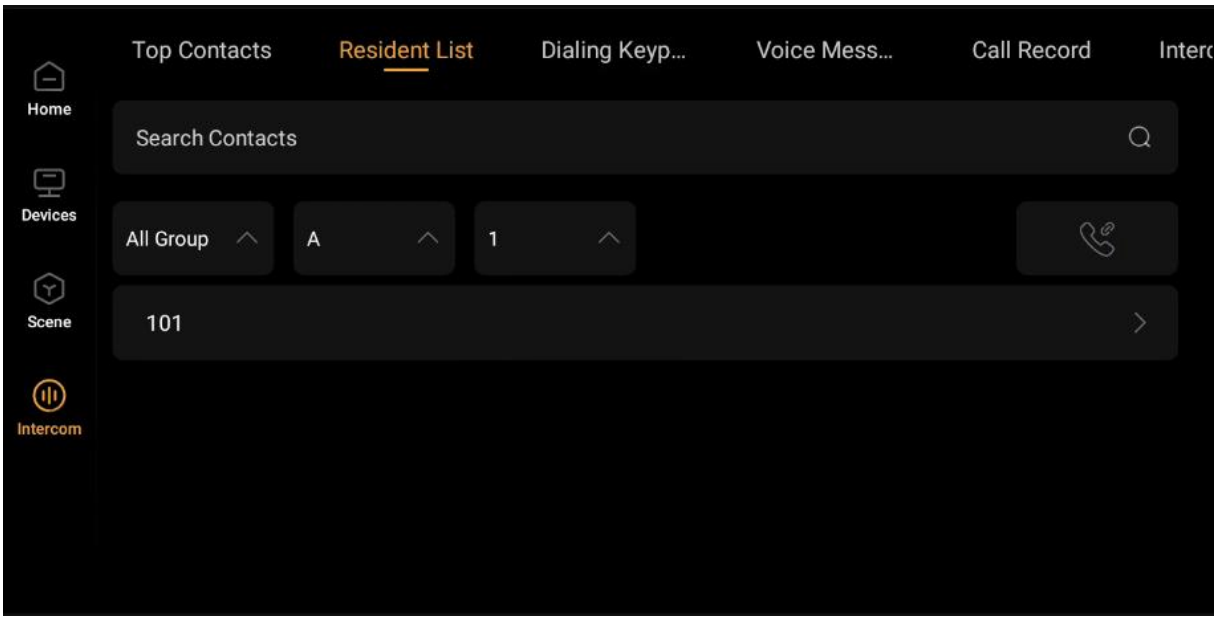


Fig.12.2(3)

12.2.1Address tool

S7 can customize the user's area and device details in the address book through the PC tool.The specific operations are as follows:

Open the PC tool, click on "Address Tool" to navigate "Device universal configuration" page, as shown in Figure 12.2.1, click "Address Book Configuration Tool" to enter the configuration page.

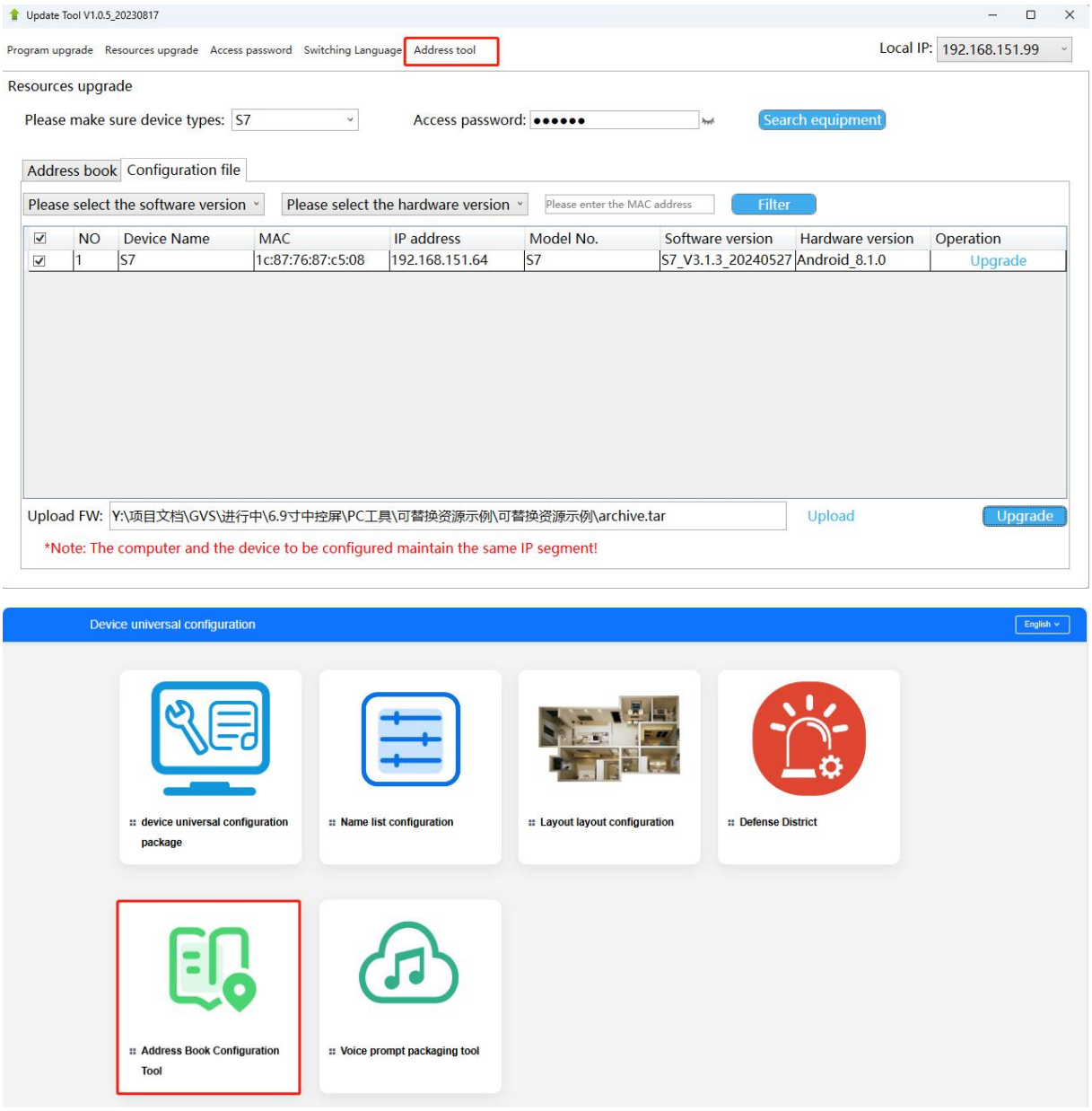
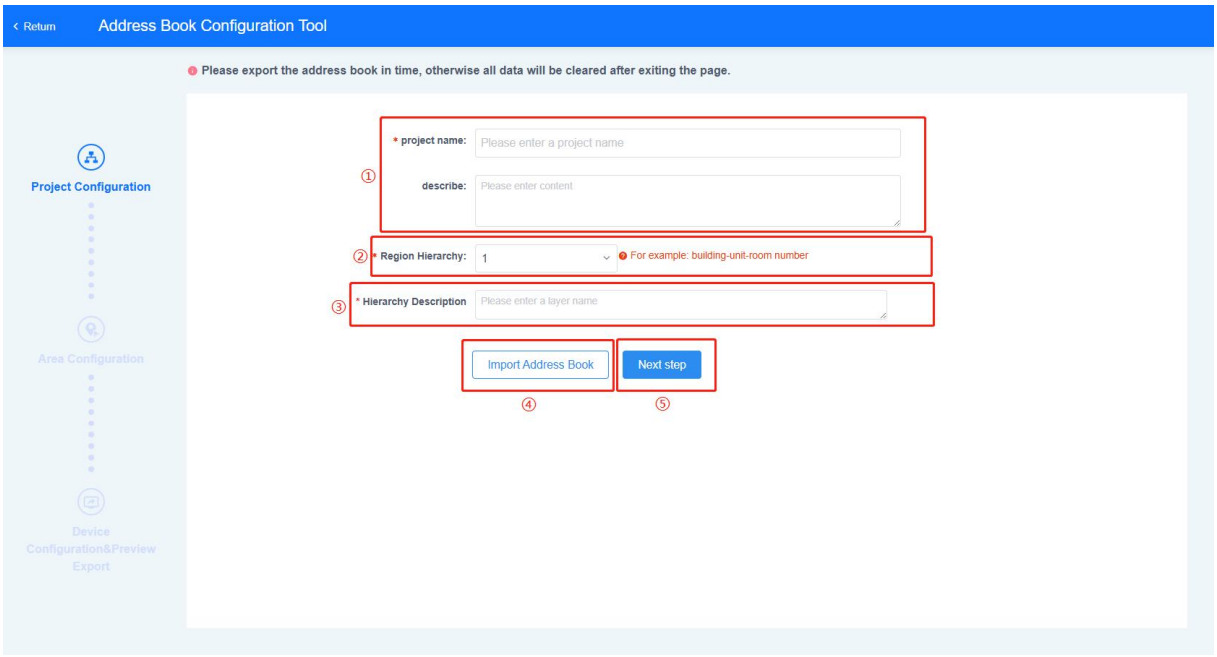


Fig.12.2.1Address tool

12.2.1.1 Project Configuration



12.2.1.1(1) Project Configuration

①Enter the project name and describe.

Note：The name input length is 4~50, please re-enter.

②Select region hierarchy.

Note：options,1~5, for example：building-unit-room number.

③Enter hierarchy description.

④Click to bring up a sub-window, as shown in Figure 12.2.1.1(2), click "Please upload the .xml file of the address book", enter the "encryption password" for the uploaded address book and click on "Submit" to import the address book.

Note：Encryption password within 32 characters, the format is not limited. Encryption password not set can be ignored.

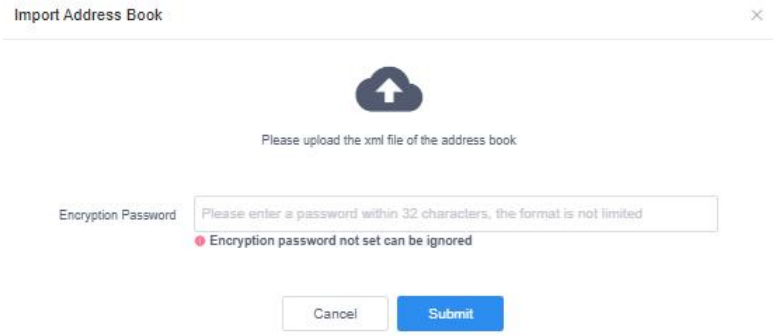


Fig.12.2.1.1(2) Import address book

⑤Click to enter the "Area Configuration" page, ,Detail operation in chapter 12.2.1.2.

12.2.1.2 Area Configuration

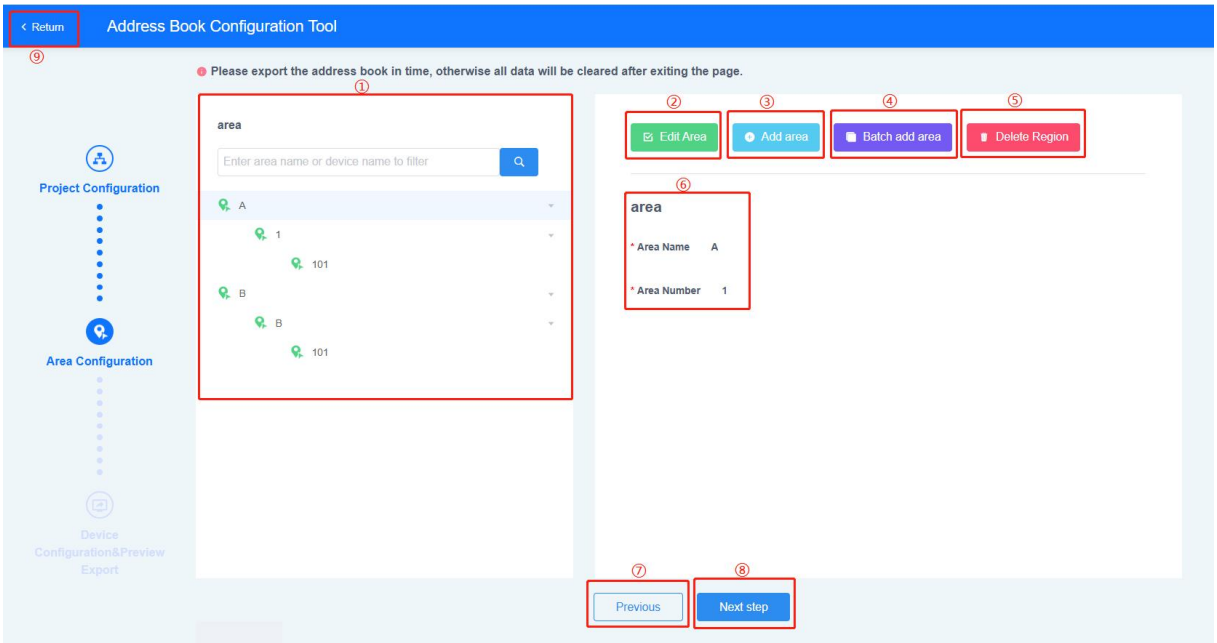


Fig.12.2.1.2(1) Area Configuration

①Enter area name or device name and click the icon “ ” to filter the same area or device.

②Click to display the "Edit area" pop up sub-window, as shown in Figure 12.2.1.2(2).

Note：You need to add an area before you can edit area.

Area name：Cannot be empty, input length is 1-20 digits,no special symbols can be enter.

Area number：Cannot be empty, input length is 1-4 digits, only numbers can be enter.

Group call：Turn on/off group call.After it is turned on, you can call all devices in the group by clicking the group call icon.

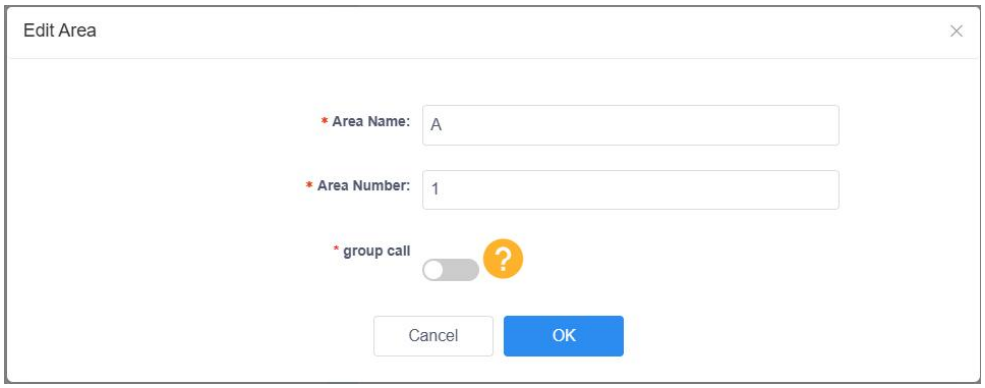


Fig.12.2.1.2(2) Edit area

③Click to display the "Add area" pop up sub-window, as shown in Figure 12.2.1.2(3).The specific operations are similar to editing area, and will not be elaborated here.

Note：When adding more than the set region hierarchy, the following warning appears.

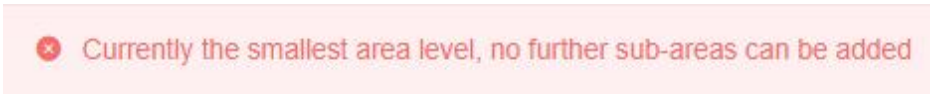


Fig.12.2.1.2(3)

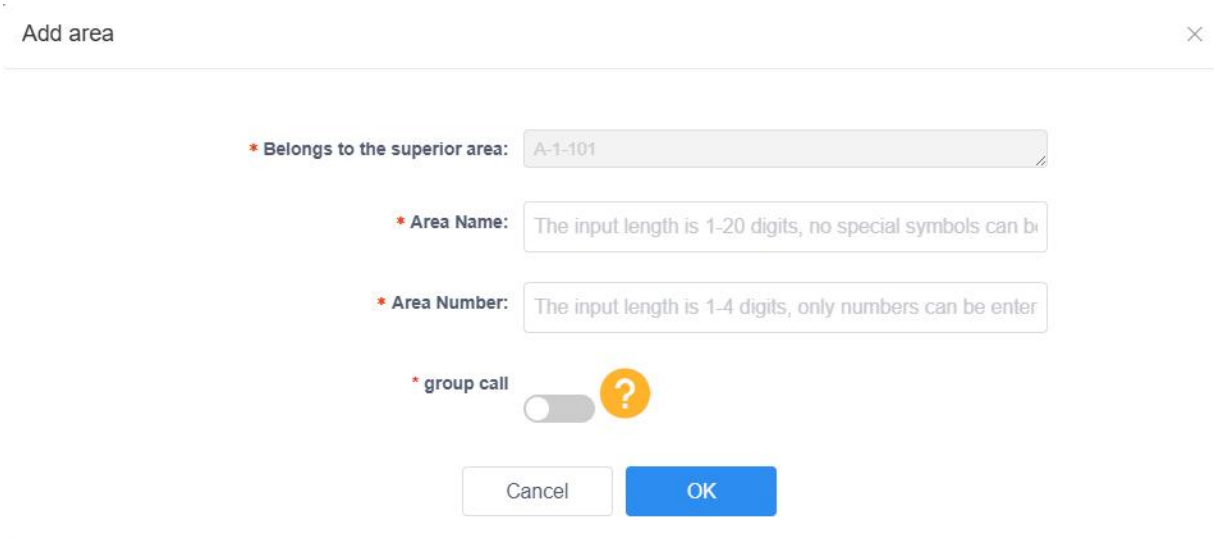


Fig.12.2.1.2(4) Add area

④Click to display the "Batch add area" pop up sub-window, as shown in Figure 12.2.1.2(5).

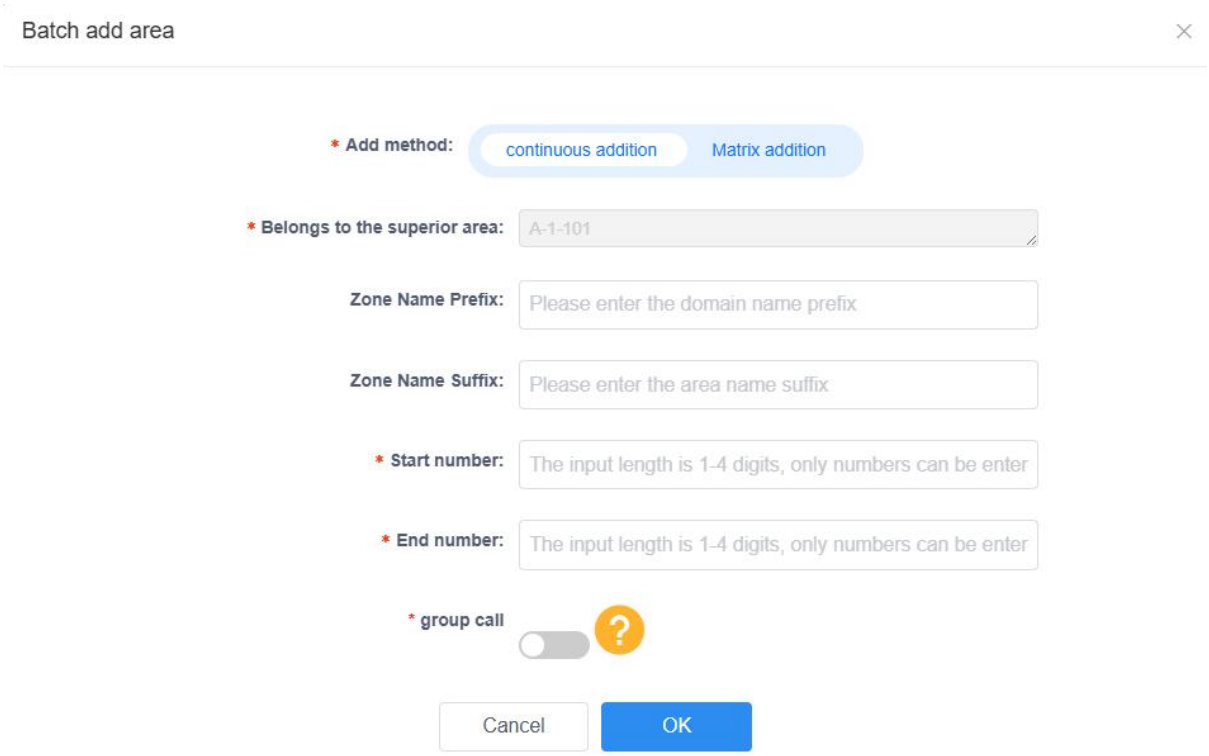


Fig.12.2.1.2(5) Batch add area

Add method：You can choose to "continuous addition" or "matrix addition", here will be "continuous addition" area as an example to illustrate, "matrix addition" operation is similar, will not be elaborated here.

Belongs to the superior area： Defaults to the selected area and cannot be modified.

Zone name prefix/suffix：Optionally,enter the domain name prefix or area name suffix.

Start/End number： Enter area start/end number, cannot be empty. The input length is 1-4 digits, only numbers can be enter.

Group call： Turn on/off group call.After it is turned on, you can call all devices in the group by clicking the group call icon.

⑤Select the area and click “Delete region” , a pop up sub-window will appear as shown in Fig.12.2.1.2(6). Click “Delete” , all areas and devices below this area will be deleted together.

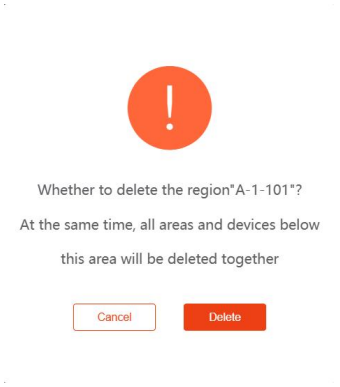


Fig.12.2.1.2(6) Delete region

⑥Display the name and number of the selected area.

⑦Click to return the “Project configuration” page.

⑧Click to enter the "Device configuration&preview export" page, ,Detail operation in chapter 12.2.1.3.

⑨Click to return the “Device universal configuration” page.

12.2.1.3 Device configuration&Preview export

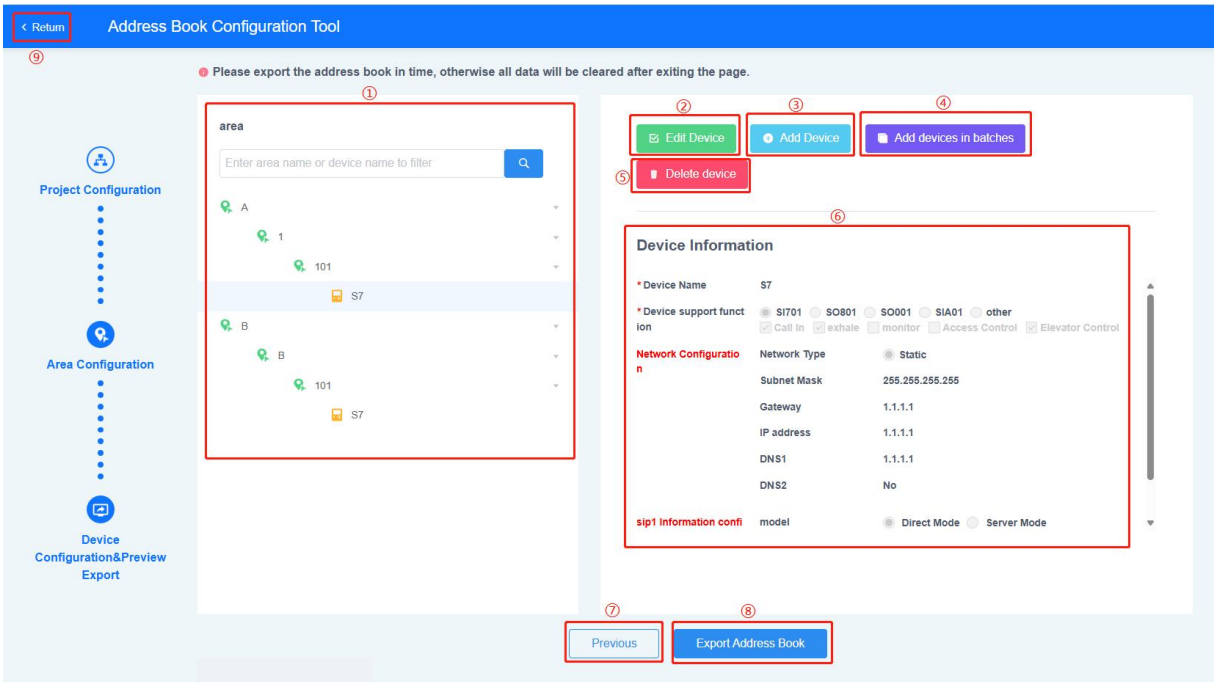


Fig.12.2.1.3(1) Device configuration&Preview export

①Enter the area name or device name and click the icon "  " to filter the same area or device. Click on the selected device to display the details of that device on the right side.

②Click to display the "Edit area" pop up sub-window, as shown in Figure 12.2.1.3(2).

Note：You need to add an area before you can edit area.

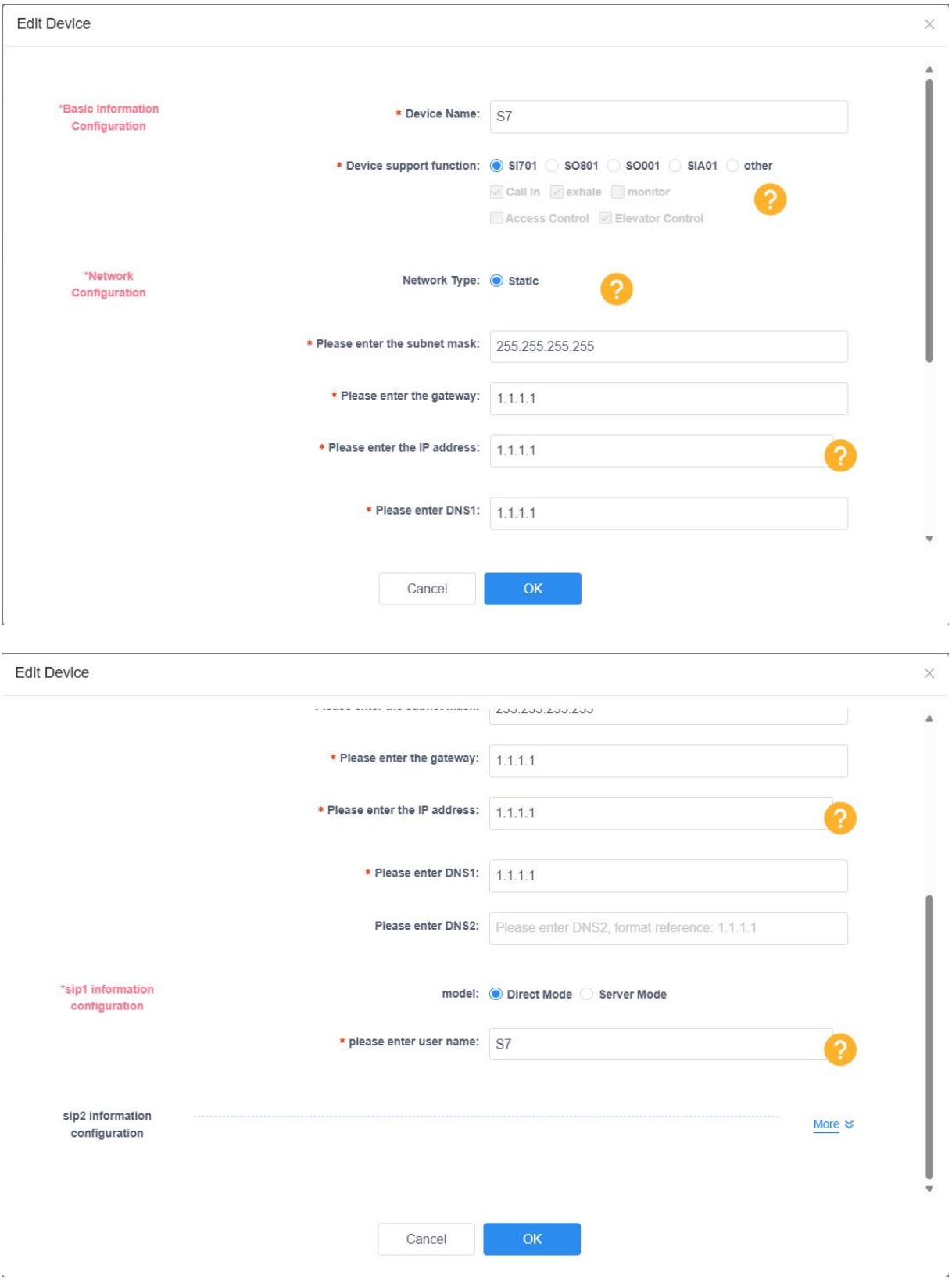


Fig.12.2.1.3(2) Edit device

（1）Basic information configuration

Device name：The input length is 1-16 digits,no special symbols can be enter.

Device support function：

SI701：call in、exhale、elevator control

SO801：exhale、monitor、access control、elevator control

SO001：call in、exhale、monitor、access control、elevator control

SIA01：call in、exhale

other： customize the selection of device support functions, you can choose call in, exhale, monitor, access control, elevator control, cannot be empty.

Illustrate：

Call in：device support call.

exhale：device support is called.

monitor：the device supports being monitored.

access control：device supports unlocking function.

elevator control：device support control elevator

（2）Network configuration

Network type： default is “Static” network, you need to manually set the IP and other information.

Please enter the subnet mask/gateway/IP Address/DNS1/DNS2 according to the reference format.

Note：The input IP address needs to avoid special IP, such as 127.0.0.1, etc.

（3）SIP1/SIP2information configuration

When selecting "Direct Mode," enter the user name to configure the information of SIP1/SIP2 to the local SIP account.

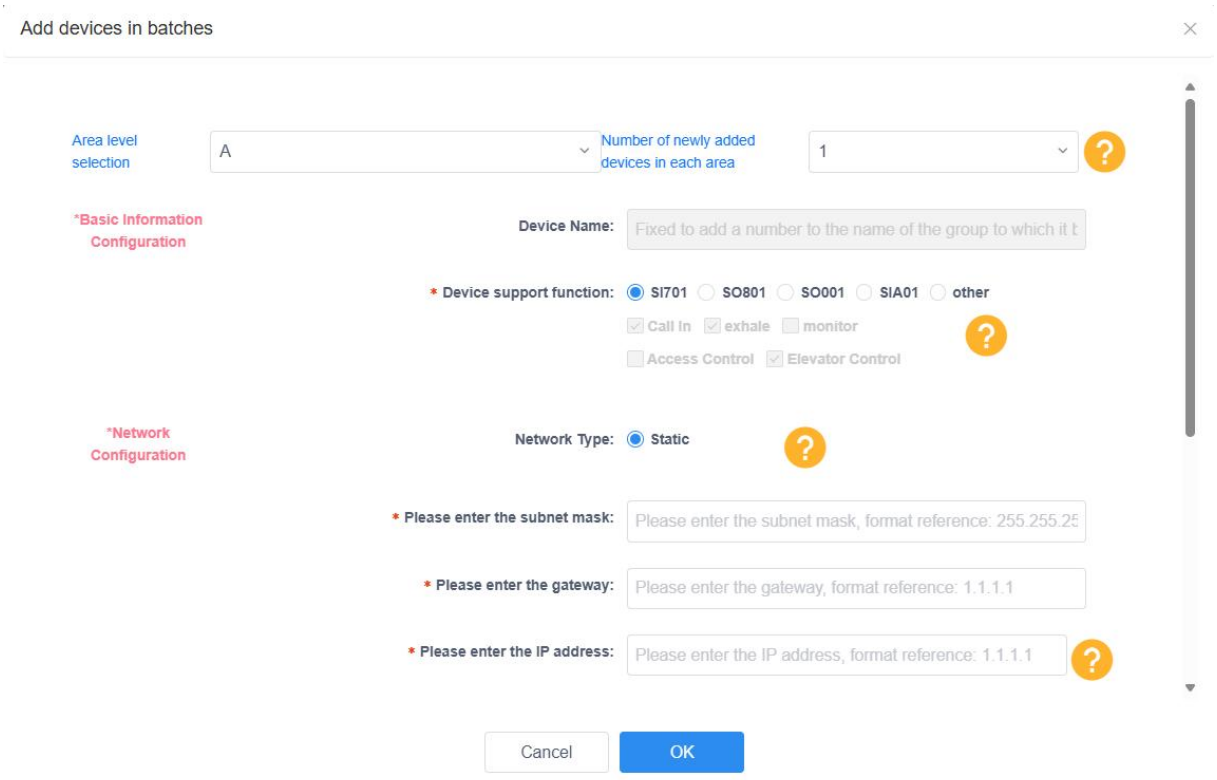
When selecting "Server Mode," enter the user name, password, server IP, and select the protocol type to configure the information of SIP1/SIP2 to the cloud SIP account.

Note：1.Please enter the registered user name and password of the SIP server, cannot be empty

2.The input IP address needs to avoid special IP, such as 127.0.0.1, etc.

③Click to enter the "Add device" page, the specific operations are similar to “editing device”, and will not be elaborated here.

④Click to enter "Add devices in batches" , as shown in Figure 11.2.1.3(3), you can batches add devices for the selected area.The specific operations are similar to “Add device”, and will not be elaborated here.



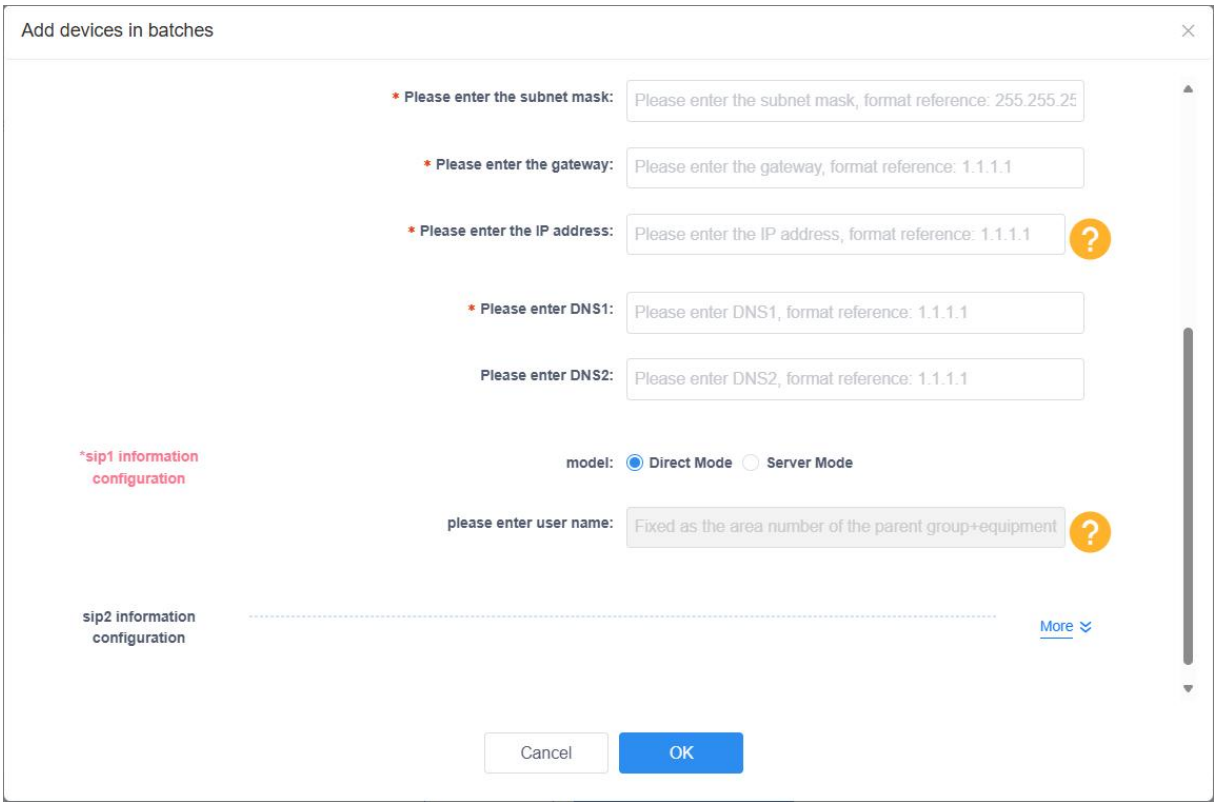


Fig.12.2.1.3(3) Add devices in batches

⑤Select the device and click "Delete device". A pop up sub-window will appear as shown in Figure 12.2.1.3(4). Click "Delete" to remove the selected device.

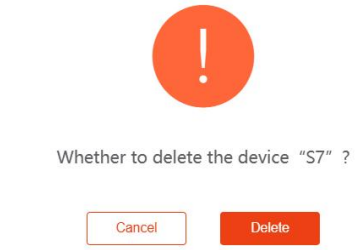


Fig.12.2.1.3(4) Delete device

⑥Display detailed information of the selected device.

⑦Click to return the “Area configuration” page.

⑧ Click on export address book, a pop sub-window will appear as shown in

Fig.12.2.1.3(5), where you can choose to enter an encryption password for the address book.The encryption password within 32 characters, the format is not limited.

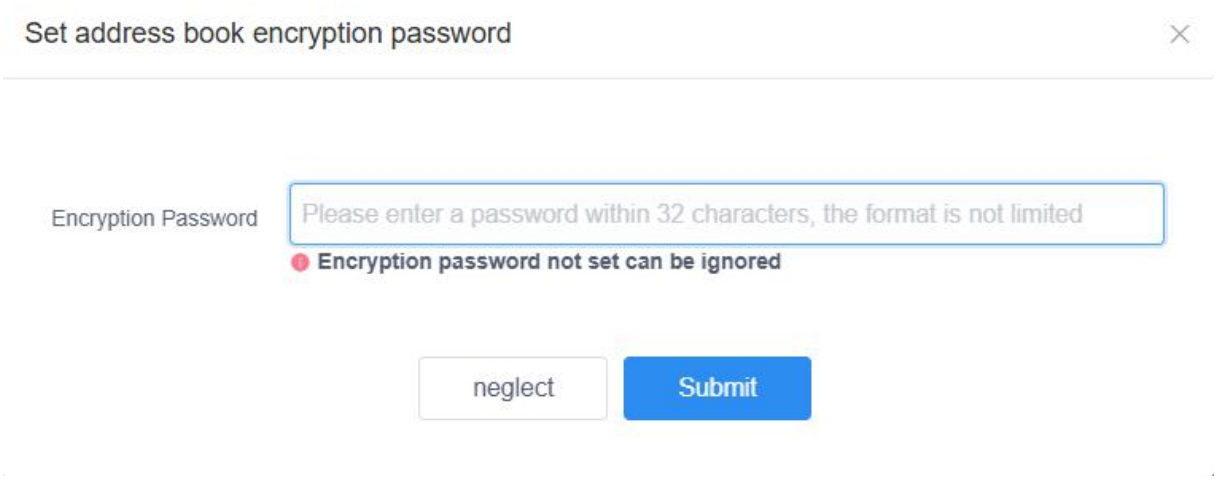


Fig.12.2.1.3(5) Encryption password

Note：1.Please export the address book in time, otherwise all data will be cleared after exiting the page.

2.When equipment information is duplicated,as shown in Fig.12.2.1.3(6), please modify the duplicated equipment information, otherwise,it cannot be exported.

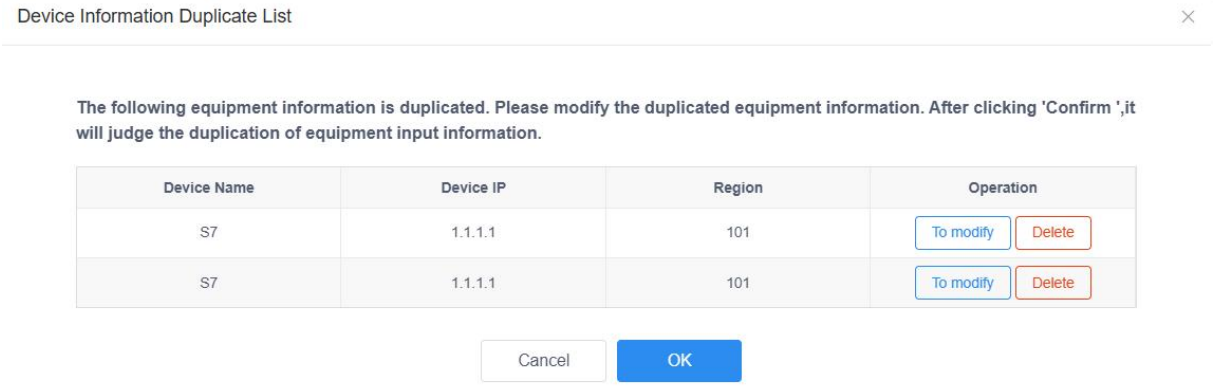


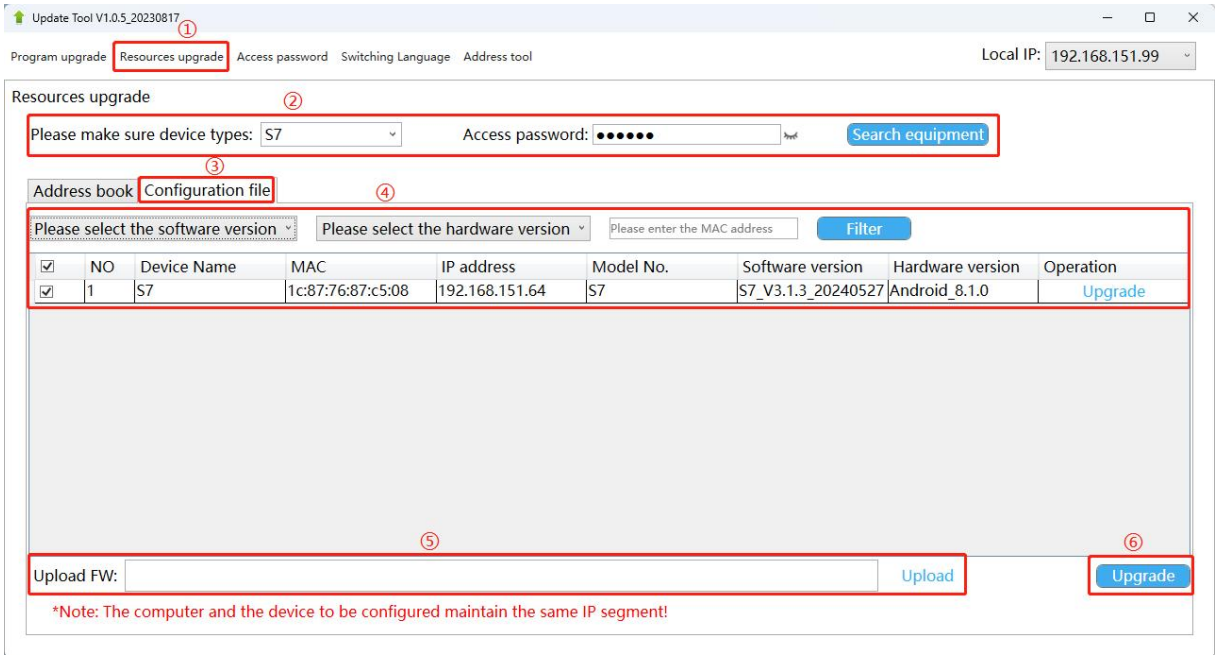
Fig.12.2.1.3(6) Device information duplicate list

⑨Click to return the “Device universal configuration” page.

12.3 UI Resource Replacement

The S7 can import custom UI resources through PC tools. The resources that can be imported include theme thumbnails, background, system boot image and application startup animation image, screensaver background replacement image, device icons, ect. The specific operations are as follows:

1.PC Tools imports custom UI resources:



12.3(1)Custom UI resource import:

①Click to enter the Resources Upgrade page, as shown in Figure 12.3(1).

②Enter or select the device type name and enter the access password: 801801, click "Search equipment" to search all S7 devices under the same IP segment.

③Click to select the function type "Configuration file" to upload a customized UI resources.

④Display the list of all the searched devices and their corresponding device name, MAC, IP address, Model No., software version, hardware version information, check the box to select the devices that need to be upgraded.

Select software version/hardware version or input MAC address, click "Filter" button to filter the device of the same type.

⑤Click Upload customized UI resources.

Note：The file suffix is tar.

Such as：S7.tar. No spaces or special characters are allowed.

The customized UI resources configuration operation is detailed in Chapter 12.3.1.

⑥Click “Upload” to select the upgrade file from your computer's local files.

Note：The file name needs to be named starting with S7 and the file suffix is apk.

Such as：S7_TOUCH PANEL_V1.0_20240628.apk. No spaces or special characters are allowed.

2.Customized UI resources synchronization to S7 devices

1.After the customized UI resources is imported by PC tool, S7 will show " Update Successfully", as shown in Figure 12.3(2) :

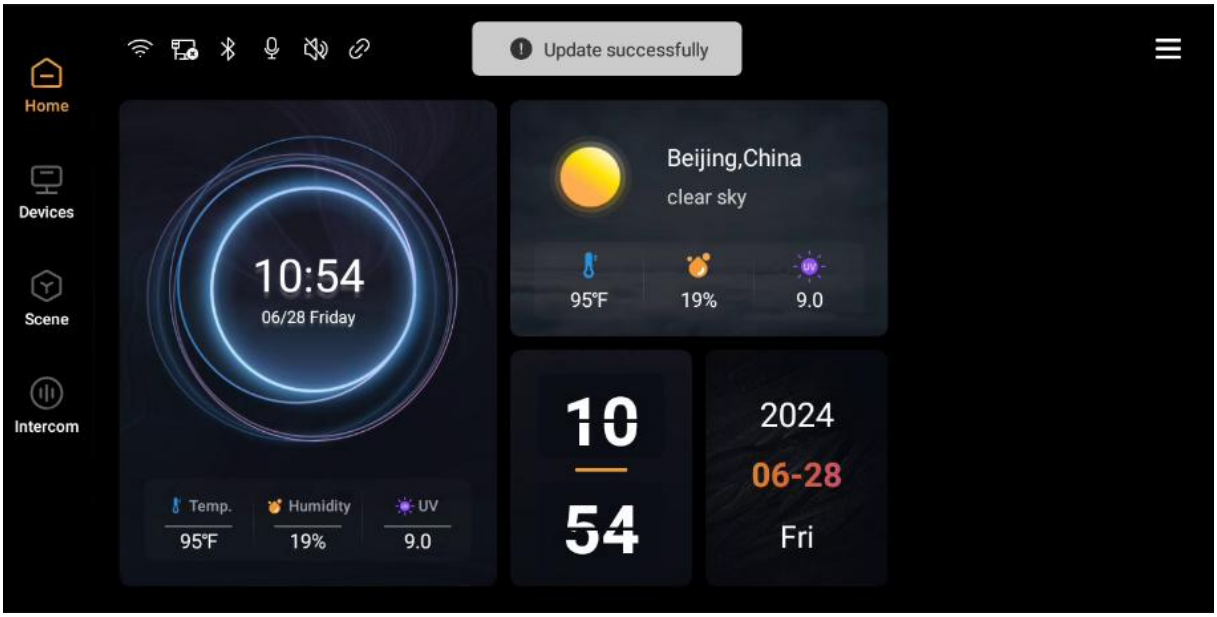


Fig.12.3(2)

2.After the UI resources are successfully updated, the S7 device will synchronously display the newly imported background image, device icon, logo, screensaver, ect. As shown in Figure 12.3(3) , the customized device icon is successfully imported.

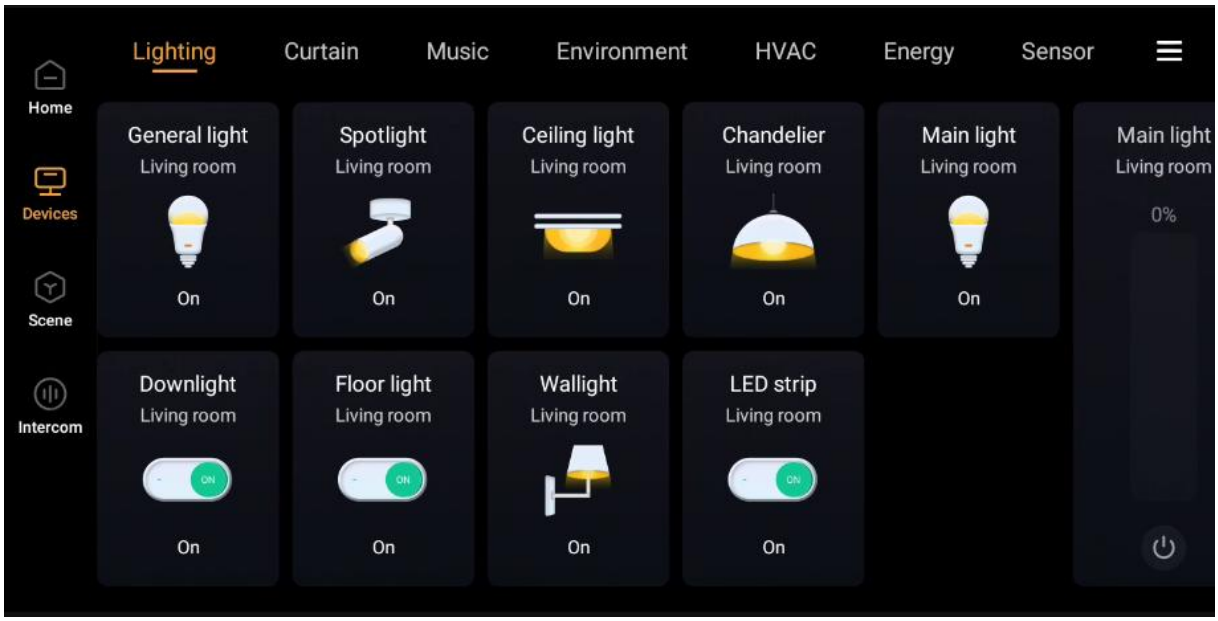


Fig.12.3(3)

12.3.1 UI resource configuration

The S7 can replace UI resources by creating a replacement file named "archive.tar". This chapter will provide a detailed introduction to the replaceable UI content, its production requirements, and the generation of the "archive.tar" file. The specific operations are as follows:

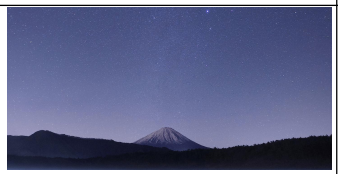
12.3.1.1 UI Resource Creation Requirements

Make replacement images for each storage directory according to the following requirements.

Theme Thumbnail. Default Storage Directory: theme

Category	Name	Example image	Size/px	Solid color size/px	Note
Theme	theme_thumb.png		360*180	1*1	You need to have this image in order to switch and replace device icons within the theme.

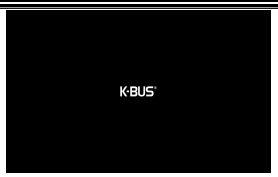
Background. Default Storage Directory: background

Category	Name	Example image	Size/px	Solid color size/px	Note
Background	img_bg_*.png (*is the replacement symbol.)		1440*720	1*1	If you need multiple background images, store multiple non Repeating ” *” images

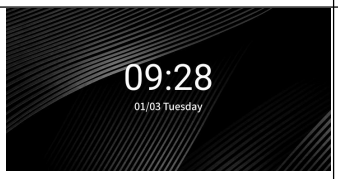
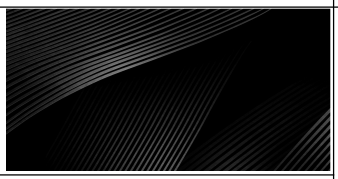
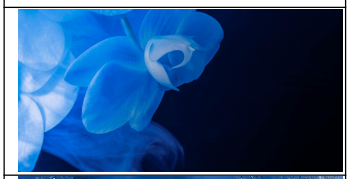
System boot image and application startup animation image.

Default Storage Directory: logo

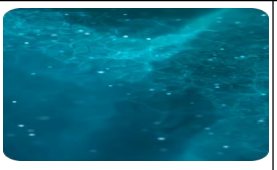
Category	Name	Example image	Size/px	Solid color size/px	Note
System boot	boot_animation.zip		Customizable, the system will default to center display.		Two playback methods: 1.Sequence frames + Playback definition. Defined as follows: Example: ① Sequence frames: Width (mm) + Height (mm) + Frame rate (fps) for the starting animation displayed on the screen. For example: 1280 720 1 ②Playback definition: Used to describe an animation segment, p + loop count + loop interval (s) + file directory path name. When the loop count is "0," it indicates that the animation segment will be displayed infinitely. For example: p 1 1 part0 A series of PNG files are stored in the file directory, and these PNG files will be displayed sequentially on the screen. 2.Single image **Note：** The welcome page displayed on power on does not support replacement.

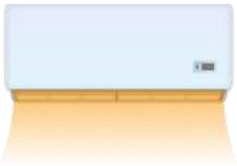
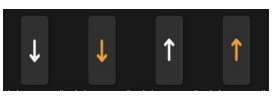
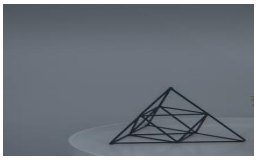
Application startup animation	img_splash.png		1440*720	1*1	

Screensaver background replacement image.Default Storage Directory: screenSaver

Category	Name	Example image	Size/px	Solid color size/px	Note
Screensaver thumbnail	img_screen_saver_thumb.png		720*360	1*1	Each screensaver mode has its own thumbnail.
Digital Screensaver	img_screen_saver_*.png (*is the replacement symbol.)		1440*720	1*1	*=1~3 valid, meaning each screensaver supports up to 3 images for switching.
Dial Screensaver					
Weather Screensaver					
Shortcut Screensaver					
Family Album Screensaver					*=1~6 valid, meaning each screensaver supports up to 6 images for switching.

Device icon. Default Storage Directory: device Icon

Category	Name	Example image	Size/px	Note
Generic device icon	icon_*_on.png(*is the replacement symbol.)		112*112	These icons correspond to the icons numbered 1-12, 38-72, 78, 79, 80, and 84 in Chapter 9 "Icon Descriptions".
	icon_*_off.png(*is the replacement symbol.)		112*112	
	icon_*_on.png(*is the replacement symbol.)		190*190	These icons correspond to the icons numbered 73, 74, and 83 in Chapter 9 "Icon Descriptions".
	icon_*_off.png(*is the replacement symbol.)		190*190	
Music	icon_*_off.png(*is the replacement symbol.)		228*228	These icons correspond to the icons numbered 81 and 82 in Chapter 9 "Icon Descriptions".
HVAC	icon_*_off_cold.png(*is the replacement symbol.)		190*190	These icons correspond to the icons numbered 75, 76, and 77 in Chapter 9 "Icon
	icon_*_off_heat.png(*is the replacement symbol.)			

	icon_*_on_heat.png(*is the replacement symbol.)			Descriptions".
	icon_*_on_cold.png(*is the replacement symbol.)			
Venetian blind/ Roller blind Background	icon_roller_shutter_details_bg.png icon_roller_shutter_bg.png		260*328 148*172	
Curtain Background	icon_retractable_curtain_details_bg.png icon_retractable_curtain_bg.png		416*216 232*134	
Video Intercom	ic_intercom_function_*.png(*is the replacement symbol.)		112*112	
Call elevator	ic_intercom_call_elevator_down.png ic_intercom_call_elevator_down_activated.png ic_intercom_call_elevator_up.png ic_intercom_call_elevator_up_activated.png		68*140	
Scene	icon_*.png(*is the replacement symbol.)		216*284	These icons correspond to the icons numbered 13 to 37 in Chapter 9 "Icon Descriptions".

12.3.1.2 archive.tar file generation

1.Place the replacement image in the folder "Replaceable Resources Examples " as shown in Figure 12.3.1.2(1). Delete the parts that do not need to be replaced.

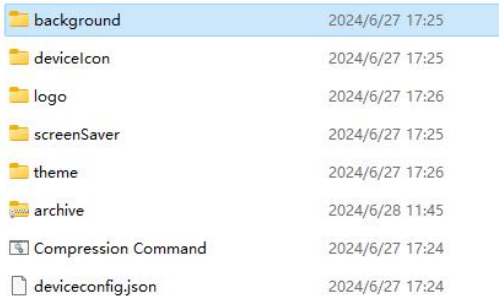


Fig.12.3.1.2(1)

2.After replacing the image, double-click on the "Compression Command" in the folder "Replaceable Resource Examples," as shown in Figure 12.3.1.2(3). The system will automatically generate the archive.tar file, as shown in Figure 12.3.1.2(4).

Fig.12.3.1.2(3)

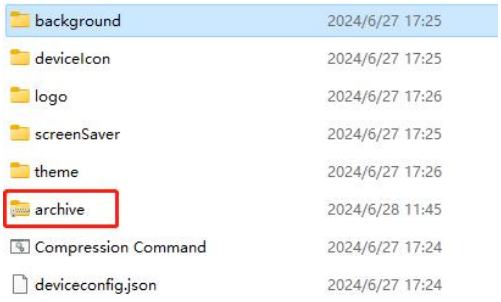


Fig.12.3.1.2(4)