

KNX 4 inch touch panel operating guide

IMTP-4002.1

IMTP-4003.1



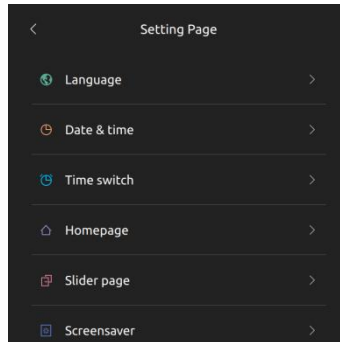
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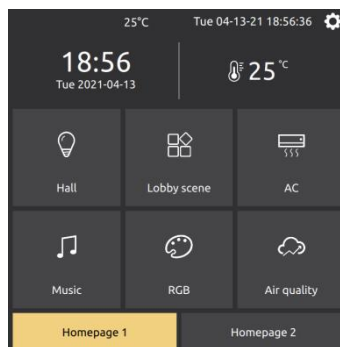
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1. Introduction

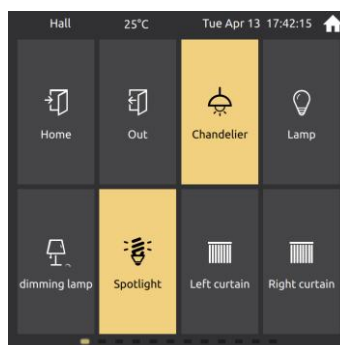
1.1 Pages switching



Settings page



Homepage



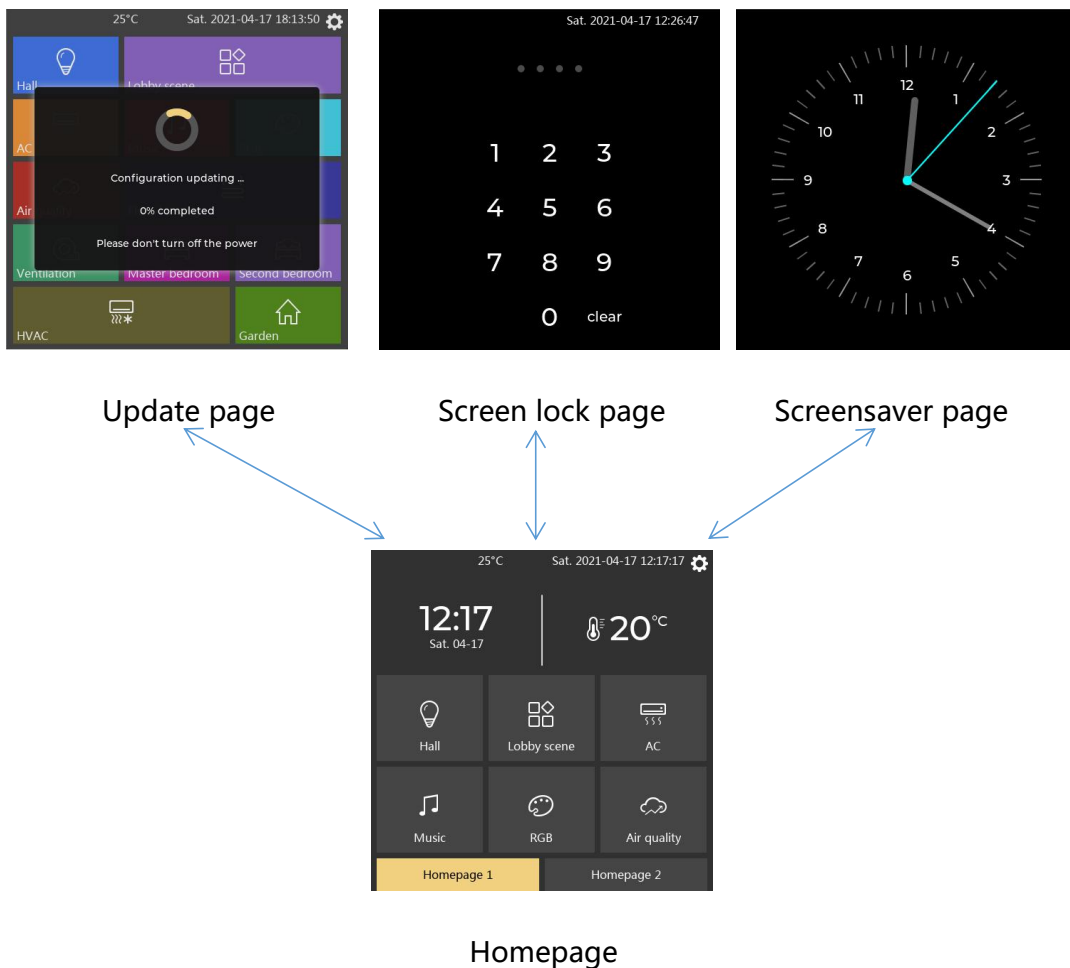
Control page

On the homepage, you can click the button in the page to enter the control page.

By clicking the setting button in the upper right corner to enter the settings page.

By clicking the home button in the upper right corner to back to the homepage.

1.2 Pages switching logic



In the homepage, it will enter the screensaver page beyond the screensaver time.

Enter the password lock screen page when the password time is exceeded. If

password was set you will enter the password screen lock page when you turn on the panel.

The panel will enter the update page when receives the update command from the bus.

2. Homepage

The main page has 3 styles according to the configuration, and users can configure them on the panel according to their preferences.

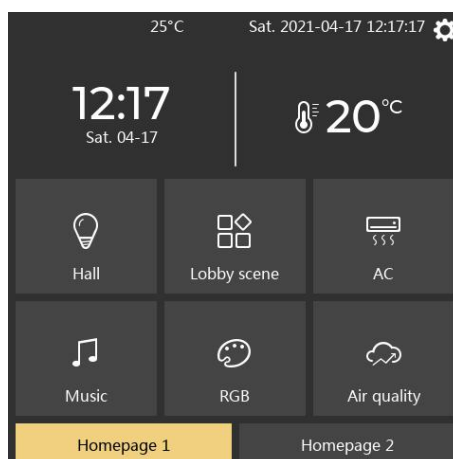
2.1 Pages and operation method

2.1.1 Overall function of the page

Above is the title bar, which displays the sensor temperature, date and time, and setting buttons.

In the middle is the navigation button of the homepage, which is displayed according to different styles. Divided into navigation buttons and current page name.

The background picture can be changed in the settings page.



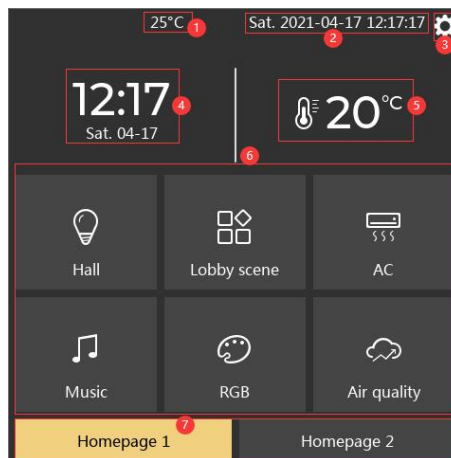
Homepage function

2.1.2 Operation method

With click navigation button jump operation, other functions are slightly different according to different styles.

2.2 Homepage Style type

2.2.1 Blockly Style



Blockly Style

- ① For the current sensor temperature, click to switch between centigrade and Fahrenheit.
- ② Date, time, week.
- ③ Setting button. Click to enter the setting page.
- ④ The date and time of style.
- ⑤ The temperature of style.
- ⑥ Homepage navigation buttons.
- ⑦ Homepage group drawer buttons.

The background image can be set in the settings page. Click the corresponding button to enter the control page.

2.2.2 Squares



Squares

Traditional Squares style, you can slide up and down to display the page, click the icon to enter the current control page.

2.2.3 Windows Style



Windows Style

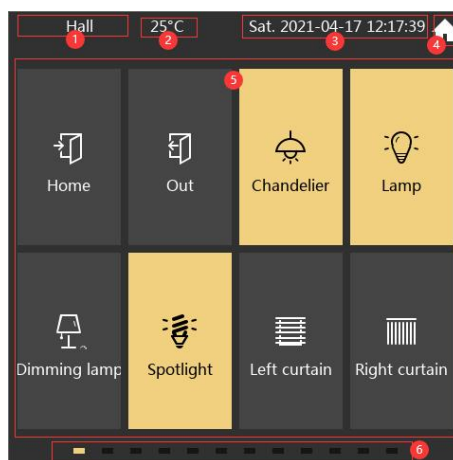
Imitating the Windows style, the color block will have random animation effects for a certain period of time.

3. Control page

The control page is configured by the ETS, and the button type, icon, name, and layout can be configured. If the name is not displayed properly, it needs to be configured as UTF8 characters in the project.

3.1 Pages and operation method

3.1.1 The overall function of the Pages



Control page function

- ① Page name.
- ② For the current sensor temperature, click to switch between centigrade and Fahrenheit.
- ③ Date and date.
- ④ Click the home button to enter the homepage.
- ⑤ Control function area, different controls have different functions.
- ⑥ Prompt button for current page. Click to jump to the current page.

Background image can be set in settings.

3.1.2 Operation method

Different controls are slightly different, and the touch panel is mainly operated by clicking. Some controls have long press function.

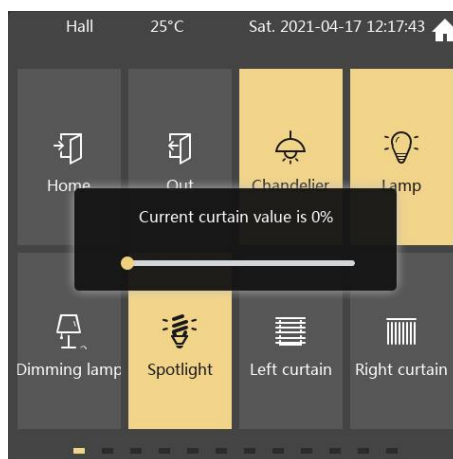
3.2 Controls introduction

3.2.1 Switch

Click to the switch on and off. For example, the current chandelier.

3.2.2 dimming

Click to switch the current on and off. Long press to bring up the dimming dialog, slide the progress bar to adjust the current brightness percentage.

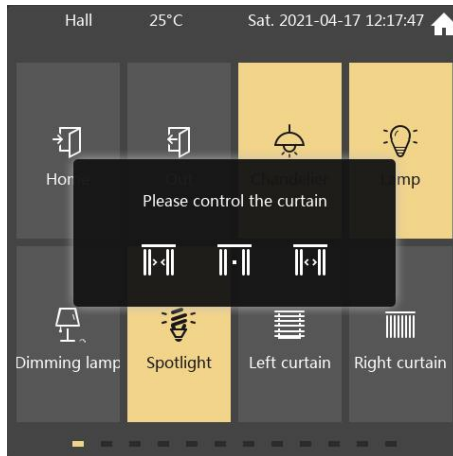


Adjust brightness

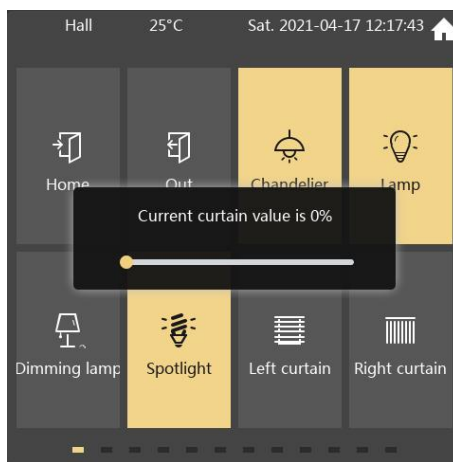
3.2.3 Curtain

Curtains are divided into 4 categories, namely, relative adjustment curtains, percentage adjustment curtains, relative adjustment blinds, and percentage adjustment blinds.

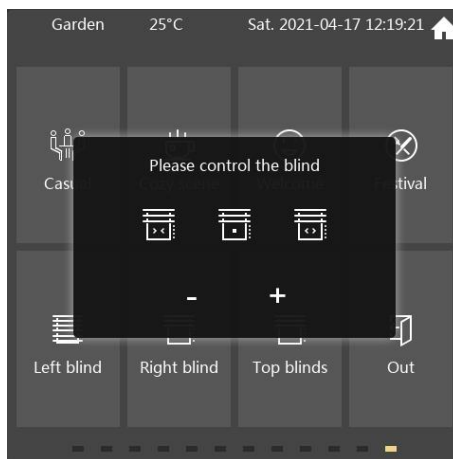
Click to enter the secondary interface, you can operate the curtain.



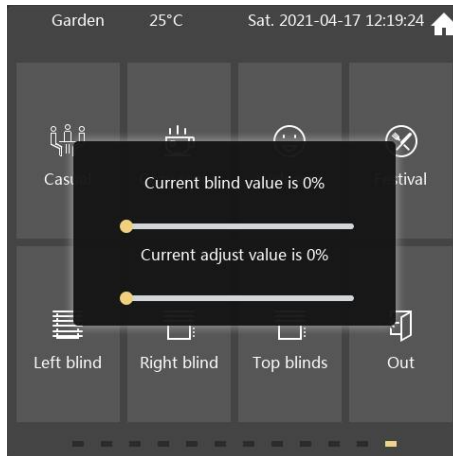
Relative adjustment curtain



Percentage adjustment curtain



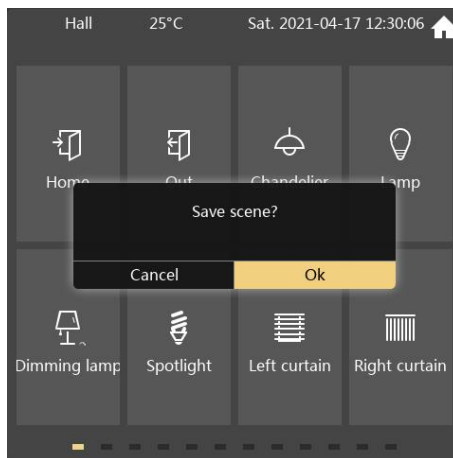
Relative adjustment blind



Percentage adjustment blind

3.2.4 Scenario

Click to send the current scenario. The scenario can be configured to save the scenario function, long press to bring up the secondary dialog. Click OK, you can call the save scenario function.

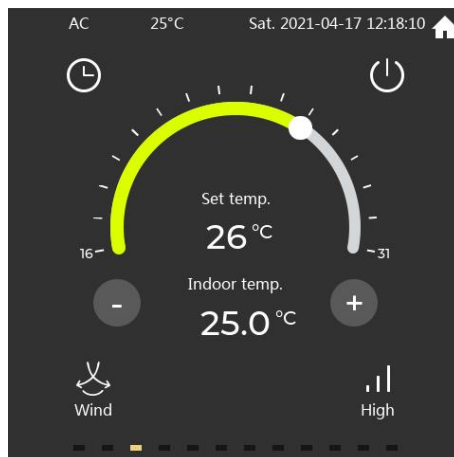


Saving scenario dialog

3.2.5 Customize function

Similar to the scenario function, click to send messages to the bus for control.

3.2.6 Air condition



Air condition

Power button: Switch the AC control on and off. A semi-transparent mask layer will appear in the shutdown state.

Dial: It can adjust the current set temperature value, 16 to 31 degrees Celsius.

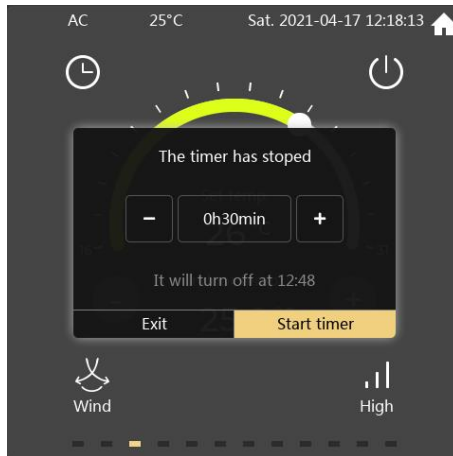
Plus and minus buttons: Increase or decrease the current set temperature value, the minimum value is 16 degrees Celsius, the maximum value is 31 degrees Celsius.

Mode: Click to switch. Automatic, heating, cooling, dry, fan.

Fan speed: Click to switch. Automatic, low, medium, high.

Timing button: Click to open the timing interface.

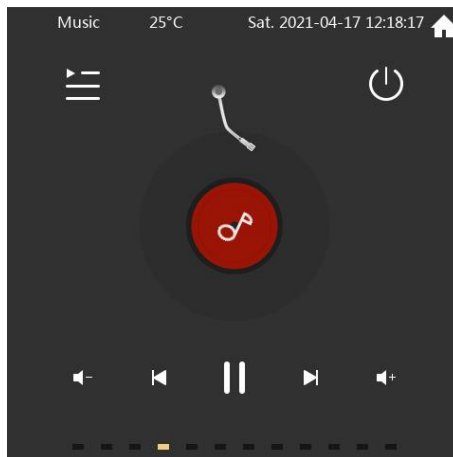
The current setting temperature and indoor temperature are displayed in the middle.



Timing dialog

The timing can be set to an interval of 30 minutes, up to 24 hours. Turn the power on or off regularly.

3.2.7 Music



Music dialog

Power button: Switch the music control on and off. A semi-transparent mask layer will appear in the shutdown state.

Turntable and cartridge: display the current playback status.

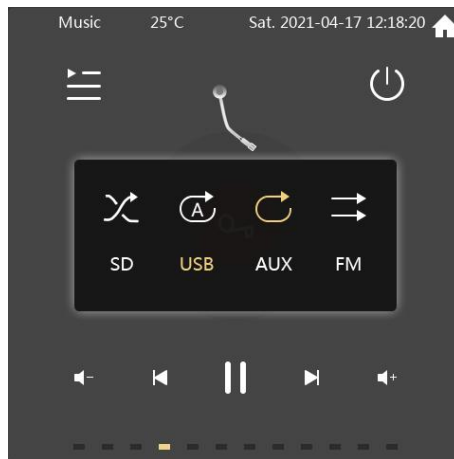
Play pause button: switch the current play and pause state.

Previous Next button: Switch the previous song and the next song.

Volume plus and minus buttons: Increase or decrease the volume, relative

adjustment, no absolute adjustment function.

More function buttons: Display the music secondary dialog. To set play mode and play source.



Music secondary dialog

Play mode: random, single, loop, list

Play source: SD, USB, AUX, FM

3.2.8 HVAC



HVAC

Power button: Switch the HVAC control on and off. A semi-transparent mask layer will appear in the shutdown state.

Dial: It can adjust the current set temperature value, 5 to 40 degrees Celsius.

Plus and minus buttons: Increase or decrease the current set temperature value, the minimum value is 5 degrees Celsius, the maximum value is 40 degrees Celsius.

Heating cooling mode: Click to switch. Heating or cooling.

Mode: Click to switch. Comfort, standby, night, protection.

Fan speed: Click to switch. Off, low, medium, high, Automatic.

Timing button: Click to open the timing interface.

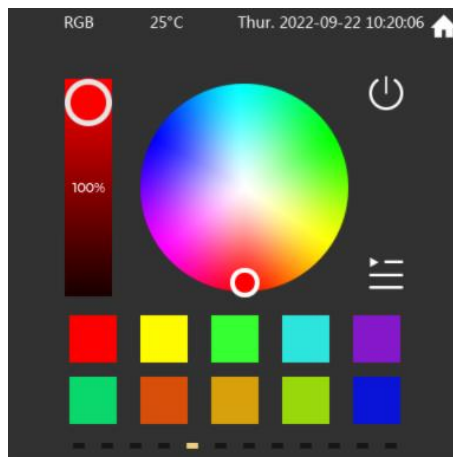
The current setting temperature and indoor temperature are displayed in the middle.



Timing dialog

The timing can be set to an interval of 30 minutes, up to 24 hours. Turn the power on or off regularly.

3.2.9 RGB



RGB

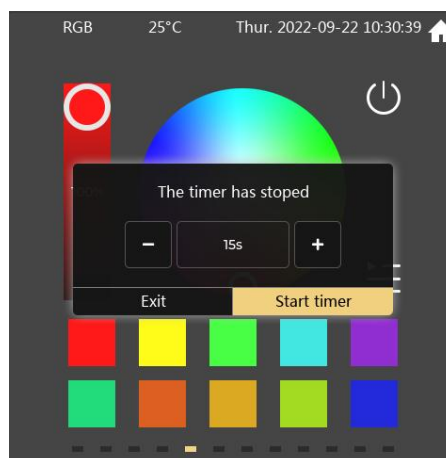
Power button: Switch the RGB control on and off. A semi-transparent mask layer will appear in the shutdown state.

Color panel: You can slide to adjust the current color. Indicates the color currently selected in the circle.

Brightness slider: adjust the current brightness value.

Color selection area: Click to set the current color, long press to save the current color. A prompt color block will appear above the color block after long pressing.

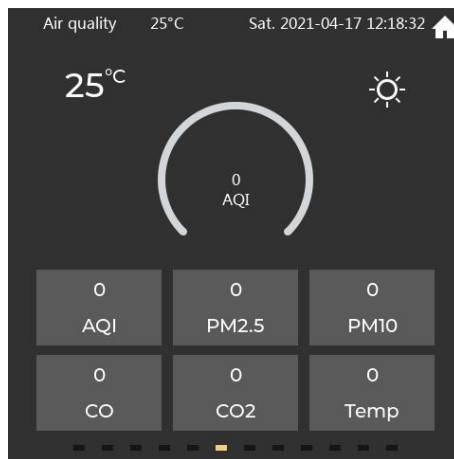
More function button: Click to show the secondary timing setting dialog.



RGB timing setting dialog

Secondary timing dialog: You can select the interval time and the number of color block to switch automatically. After the timing is turned on, the next color can be switched after the interval time is up, and the switching will be performed cyclically.

3.2.10 Sensor data display dialog



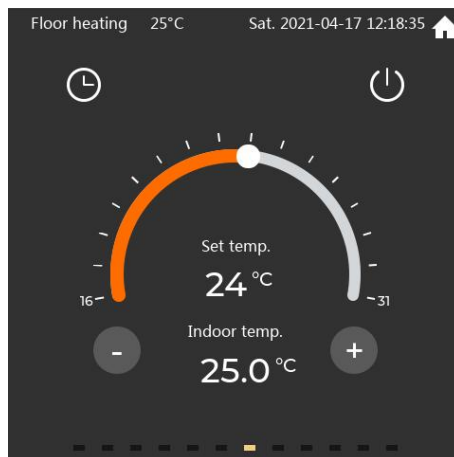
Sensor data display dialog

The upper left corner is the temperature, and the upper right corner is the weather.

The middle is the main graphic display, and you can set a kind of data to display.

Other data block: Configure according to the ETS. It can be configured with AQI, PM2.5, PM10, CO, CO2, temperature and humidity, etc.

3.2.11 Floor heating



Floor heating

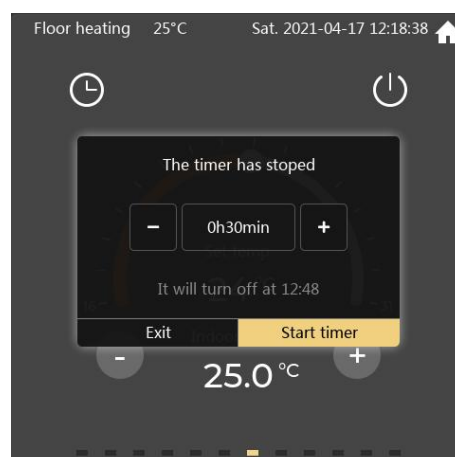
Power button: Switch the floor heating control on and off. A semi-transparent mask layer will appear in the shutdown state.

Dial: It can adjust the current set temperature value, 16 to 31 degrees Celsius.

Plus and minus buttons: Increase or decrease the current set temperature value, the minimum value is 16 degrees Celsius, the maximum value is 31 degrees Celsius.

Timing button: Click to open the timing dialog.

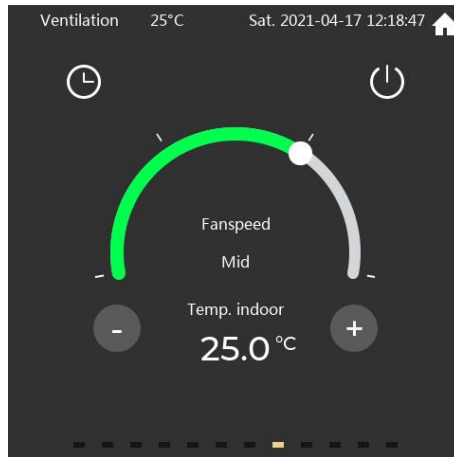
The current setting temperature and indoor temperature are displayed in the middle.



Timing dialog

The timing can be set to an interval of 30 minutes, up to 24 hours. Turn the power on or off regularly.

3.2.12 Ventilation



Ventilation

Power button: Switch the ventilation control on and off. A semi-transparent mask layer will appear in the shutdown state.

Dial: It can adjust the current set fan state. Off, low, middle, high.

Plus and minus buttons: Increase or decrease the current set fan state, off, low, middle, high.

Timing button: Click to open the timing interface.

The current setting temperature and indoor temperature are displayed in the middle.

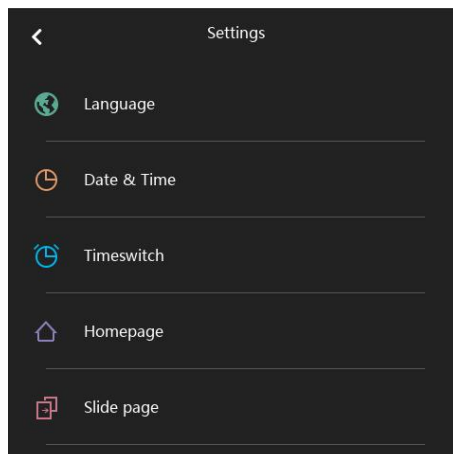


Timing dialog

The timing can be set to an interval of 30 minutes, up to 24 hours. Turn the power on or off regularly.

4. Setting page

The user can set the application. Including language, date and time, timeswitch, homepage, slide page, screensaver, password, display, sound, programming, about.

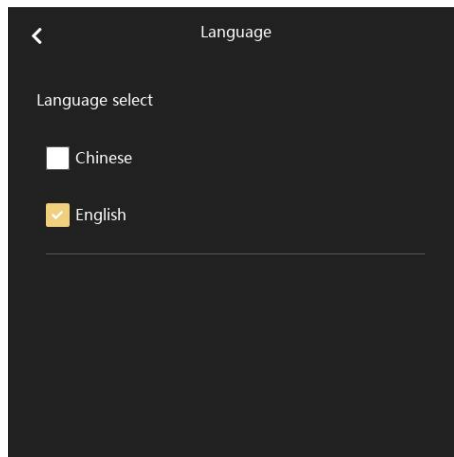


Setting page

Back button in the upper left corner. Go back to the homepage if you want.

Each function is displayed in a list navigation, click to enter the specific settings.

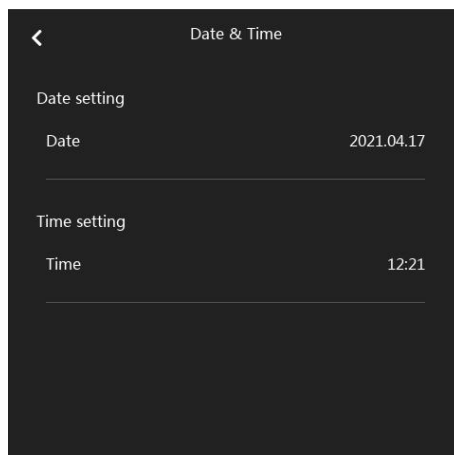
4.1 Language setting



Language setting

Configurable Chinese or English display.

4.2 Date & Time setting

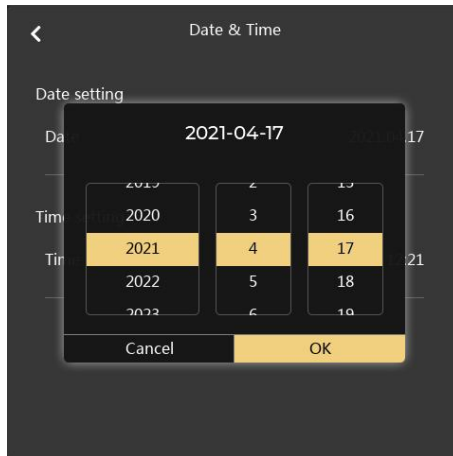


Date & Time setting

Date setting: year, month, day.

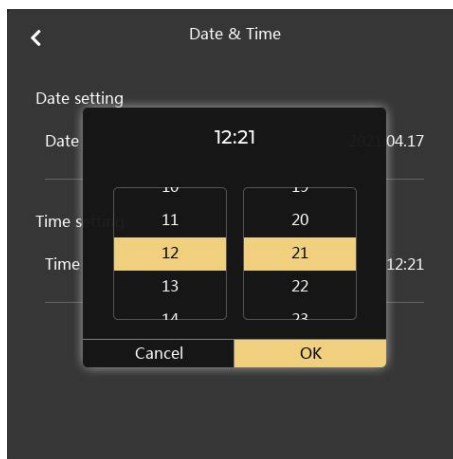
Time setting: hours and minutes.

Click on the date to display the date setting dialog.



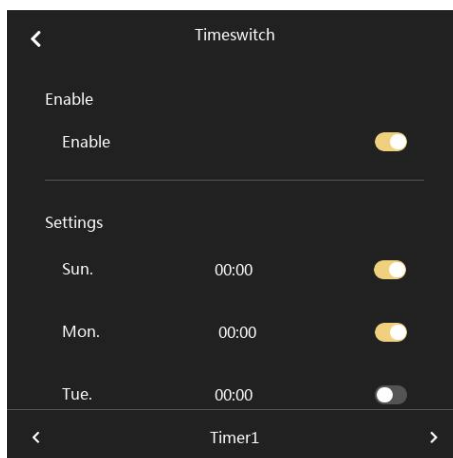
Date setting dialog

Click on the time to display the time setting dialog.



Time setting dialog

4.3 Timeswitch setting

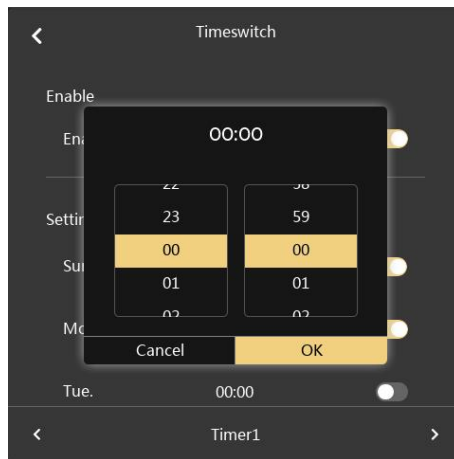


Timeswitch setting

Click on the selection buttons of each timer at the bottom of the page to switch between different timers for setting.

You can enable or disable the current timer by switch.

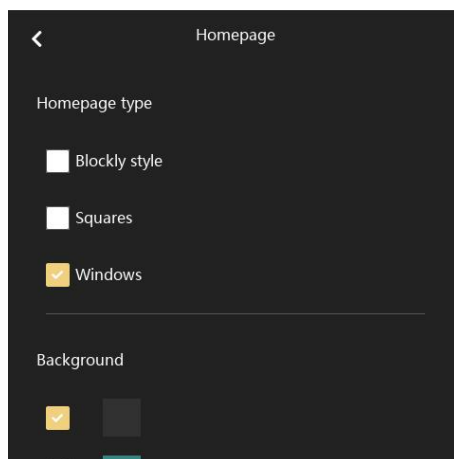
Click to set the time.



Time setting

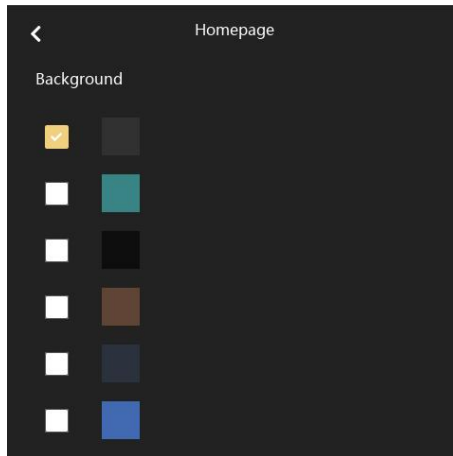
4.4 Homepage setting

There are 3 styles, which have been introduced on the homepage before. They are blockly style, squares style, windows style.



Homepage style setting

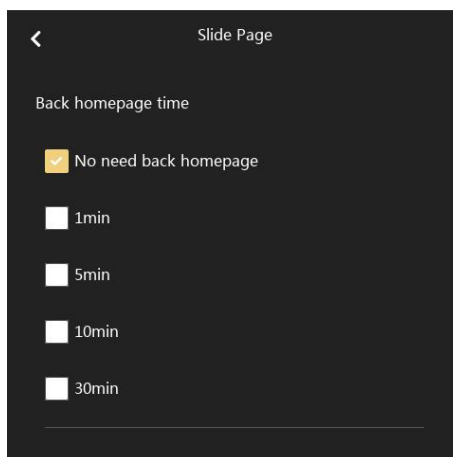
You can also set the background image of the homepage.



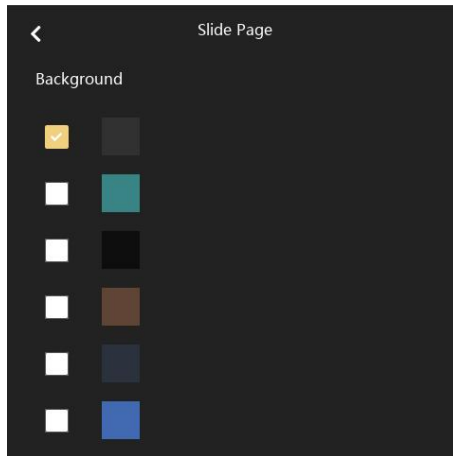
Homepage image setting

4.5 Slide page setting

You can configure the time of automatically returning to the home page and 6 kinds of background images



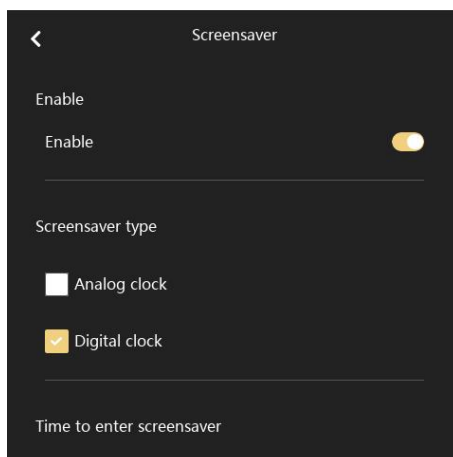
Slide page styles setting



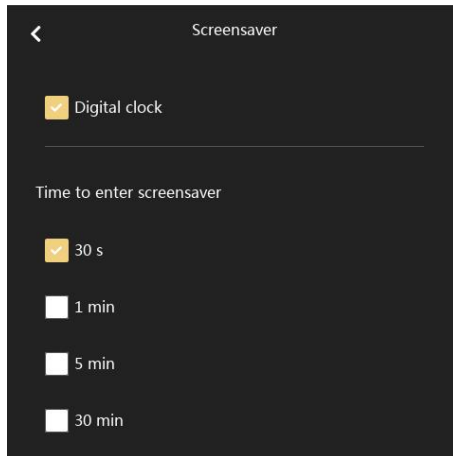
Background image setting

4.6 Screensaver setting

There are 2 types of screensaver that can be configured. Analog clock and digital clock.



Screensaver enable and types

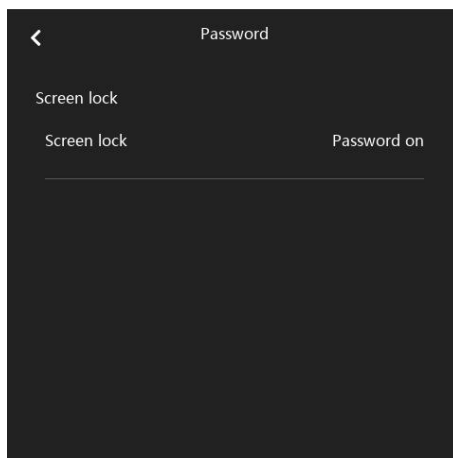


Time to enter screensaver

Enter the screensaver time can be configured 30 seconds, 1 minute, 5 minutes, 30 minutes.

4.7 Password setting

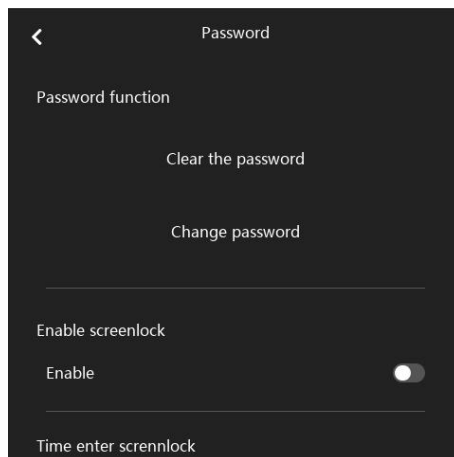
4.7.1 password setting page



Password setting page

Show whether a password is currently configured.

4.7.2 Password clear and modification

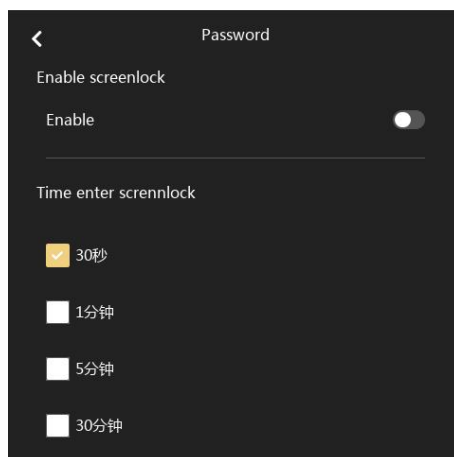


Password clear and modification

Clear password: You can clear the password.

Modification password: You can change the password.

4.7.3 Lock screen function

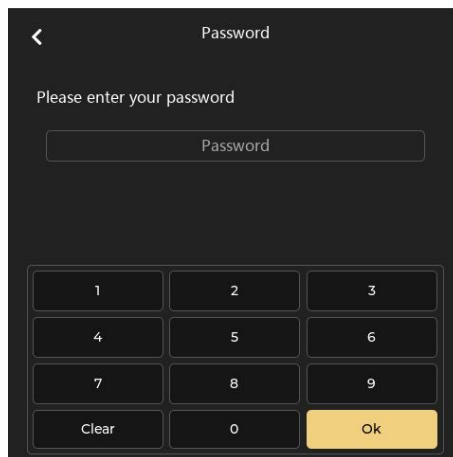


Lock screen function

Enable: You can enable or disable the password function

Time to enter the lock screen page. You can configure 30 seconds, 1 minute, 5 minutes, 30 minutes.

4.7.4 Password enter page

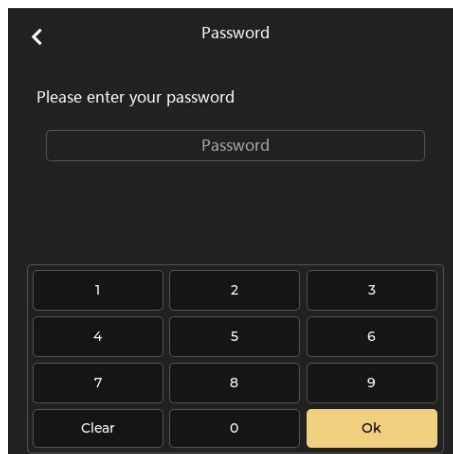


A screenshot of a mobile application's password entry screen. The screen has a dark background. At the top left is a back arrow icon, and at the top center is the title "Password". Below the title is the instruction "Please enter your password". Underneath is a text input field with the placeholder text "Password". Below the input field is a numeric keypad with buttons for digits 1 through 9, 0, a "Clear" button, and a yellow "Ok" button.

Password setting page

You need to enter the corresponding password to enter the password setting page.

4.7.5 Initial password setting page

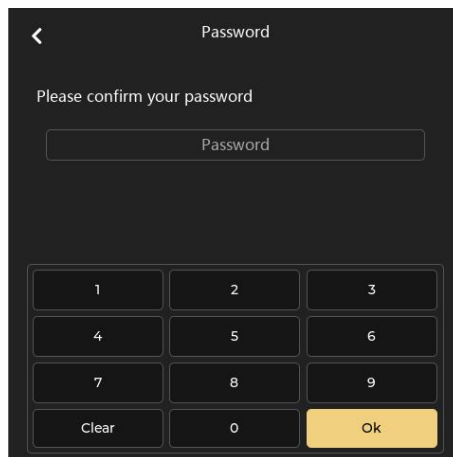


A screenshot of a mobile application's initial password setting screen. The screen has a dark background. At the top left is a back arrow icon, and at the top center is the title "Password". Below the title is the instruction "Please enter your password". Underneath is a text input field with the placeholder text "Password". Below the input field is a numeric keypad with buttons for digits 1 through 9, 0, a "Clear" button, and a yellow "Ok" button.

Initial password setting page

Need to enter a four-digit password

4.7.6 Password confirmation page

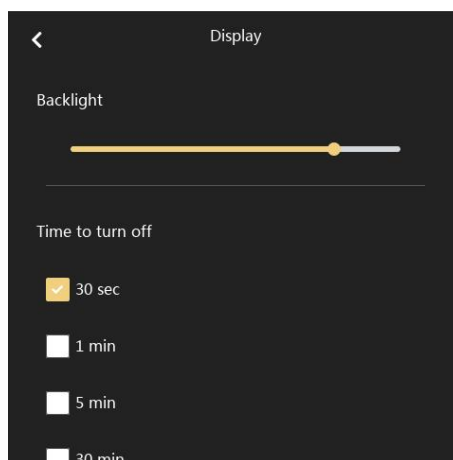


Password confirmation page

The four-digit password can be set only if it is the same as the initial password.

You can click reset button to back the initial password setting page.

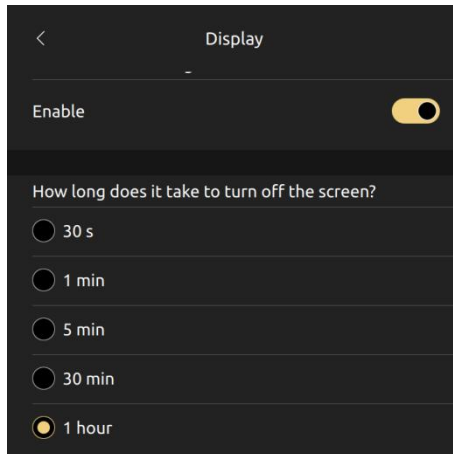
4.8 Display setting



Backlight brightness configuration

Set the backlight brightness value through the slider.

Automatic dimming function: After calculating half of the screen's off time, it will automatically adjust the current brightness and dim reminder.

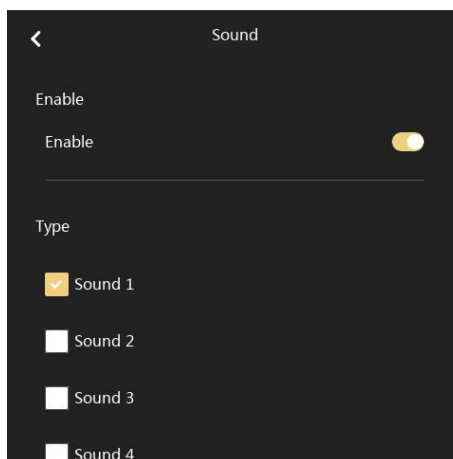


Turn off time setting

Screen off time: configure 30 seconds, 1 minute, 5 minutes, 30 minutes, 1 hour.

In order to protect the screen, be sure to turn off the screen.

4.9 Sound setting

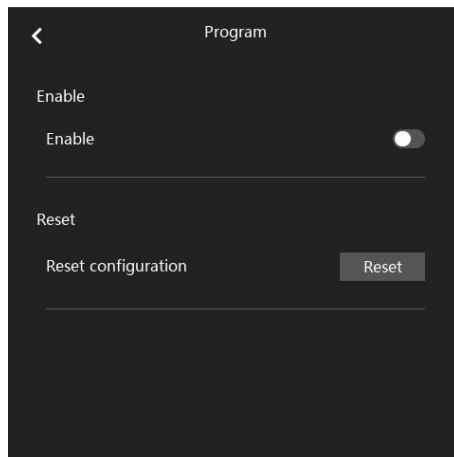


Sound setting

Enable and disable the sound. After enabling, click to have a key tone.

A total of 8 kinds of sounds can be configured, corresponding to the loudness becomes larger.

4.10 Program setting

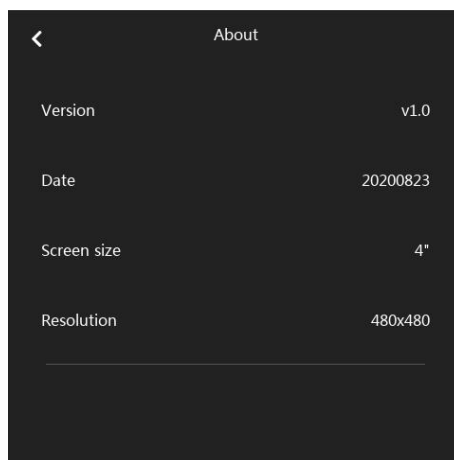


Program setting

Programming enable button: let the device enter and exit programming mode.

Reset: You can restore the original state of the ETS after downloading.

4.11 About page

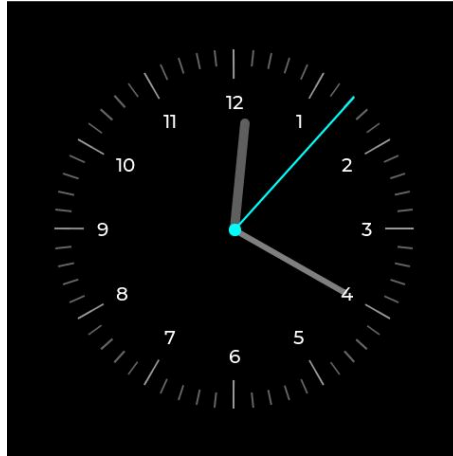


About page

Display current version and software update date.

5. Screensaver function

5.1 Analog clock



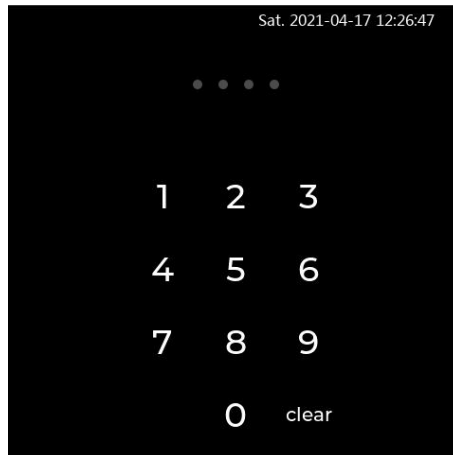
Analog clock

5.2 Digital clock



Digital clock

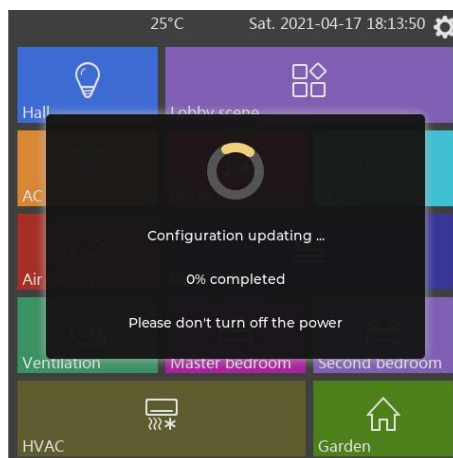
6. Screen lock password page



Screen lock password page

Four-digit password, input correctly to enter the panel.

7. Bus data update page






















Update page

Enjoy it after the update is complete.







8. Icon list















8.1 homepage navigation icon list









| | | |
|----|----------------------|---|
| 1 | Light |  |
| 2 | Dimming |  |
| 3 | Curtain |  |
| 4 | Scene |  |
| 5 | HVAC system |  |
| 6 | VRV system |  |
| 7 | Ventilation system |  |
| 8 | Floor heating system |  |
| 9 | Background music |  |
| 10 | RGB Led dimming |  |
| 11 | Sensor display |  |
| 12 | Safe |  |
| 13 | General room |  |











| | | |
|----|---------------|--|
| 14 | Living room |  |
| 15 | Bedroom |  |
| 16 | Kitchen |  |
| 17 | Training room |  |
| 18 | Office |  |
| 19 | Meeting room |  |
| 20 | Video room |  |

8.2 Button function icon list

| | | |
|---|---------------|---|
| 1 | Switch icon 1 |  |
| 2 | Switch icon 2 |  |
| 3 | Switch icon 3 |  |
| 4 | Switch icon 4 |  |
| 5 | Switch icon 5 |  |
| 6 | Switch icon 6 |  |

| | | |
|----|--------------------------|---|
| 7 | Dimming icon 1 |  |
| 8 | Dimming icon 2 |  |
| 9 | Dimming icon 3 |  |
| 10 | Dimming icon 4 |  |
| 11 | Dimming icon 5 |  |
| 12 | Dimming icon 6 |  |
| 13 | Curtain icon(up/down) |  |
| 14 | Curtain icon(right/left) |  |
| 15 | Louver |  |
| 16 | Scene 1 |  |
| 17 | Scene 2 |  |
| 18 | All on |  |
| 19 | All off |  |
| 20 | Back home |  |

| | | |
|----|--------------|---|
| 21 | Leave home |  |
| 22 | Relax |  |
| 23 | Button 1 |  |
| 24 | Button 2 |  |
| 25 | Power |  |
| 26 | Stairs light |  |
| 27 | Night light |  |
| 28 | Game |  |
| 29 | Sleep |  |
| 30 | Party |  |
| 31 | Welcome |  |
| 32 | Video |  |
| 33 | Music |  |
| 34 | Meeting |  |

| | | |
|----|----------------|---|
| 35 | Reading |  |
| 36 | Ventilation |  |
| 37 | Socket |  |
| 38 | Timing |  |
| 39 | Maintenance |  |
| 40 | Cleaning |  |
| 41 | Do not disturb |  |
| 42 | Protection |  |
| 43 | Lock door |  |
| 44 | Meal |  |
| 45 | TV |  |