

Smart Control Panel

Mini

Product manual

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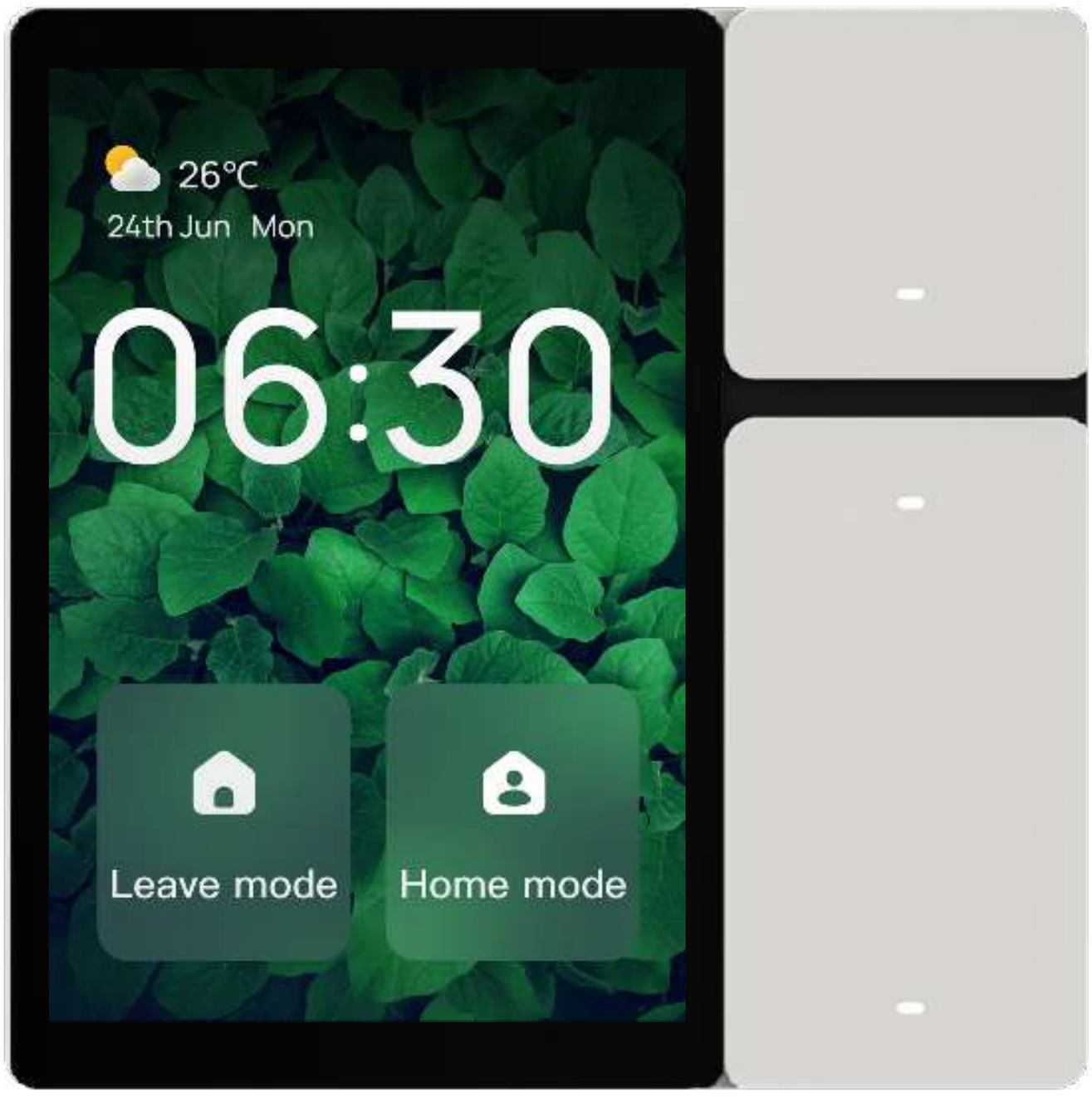
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Welcome



Smart Control Panel Mini is a multifunctional interactive device that integrates a screen, three physical buttons, three relay channels, and infrared remote control.

Through the screen, various devices and scenes at home can be controlled. The three relay channels can replace traditional switches to control three lighting devices. The buttons can be customized for relay control or scene control. Additionally, the built-in infrared remote control can directly control infrared devices such as TV and air conditioning at home.

In addition to controlling devices and scenes, the Smart Control Panel Mini also supports smart cameras, visual doorbells, and visual door locks. Users can view camera footage on the screen and directly unlock the door on the screen by integrating with the visual door lock.

Product picture



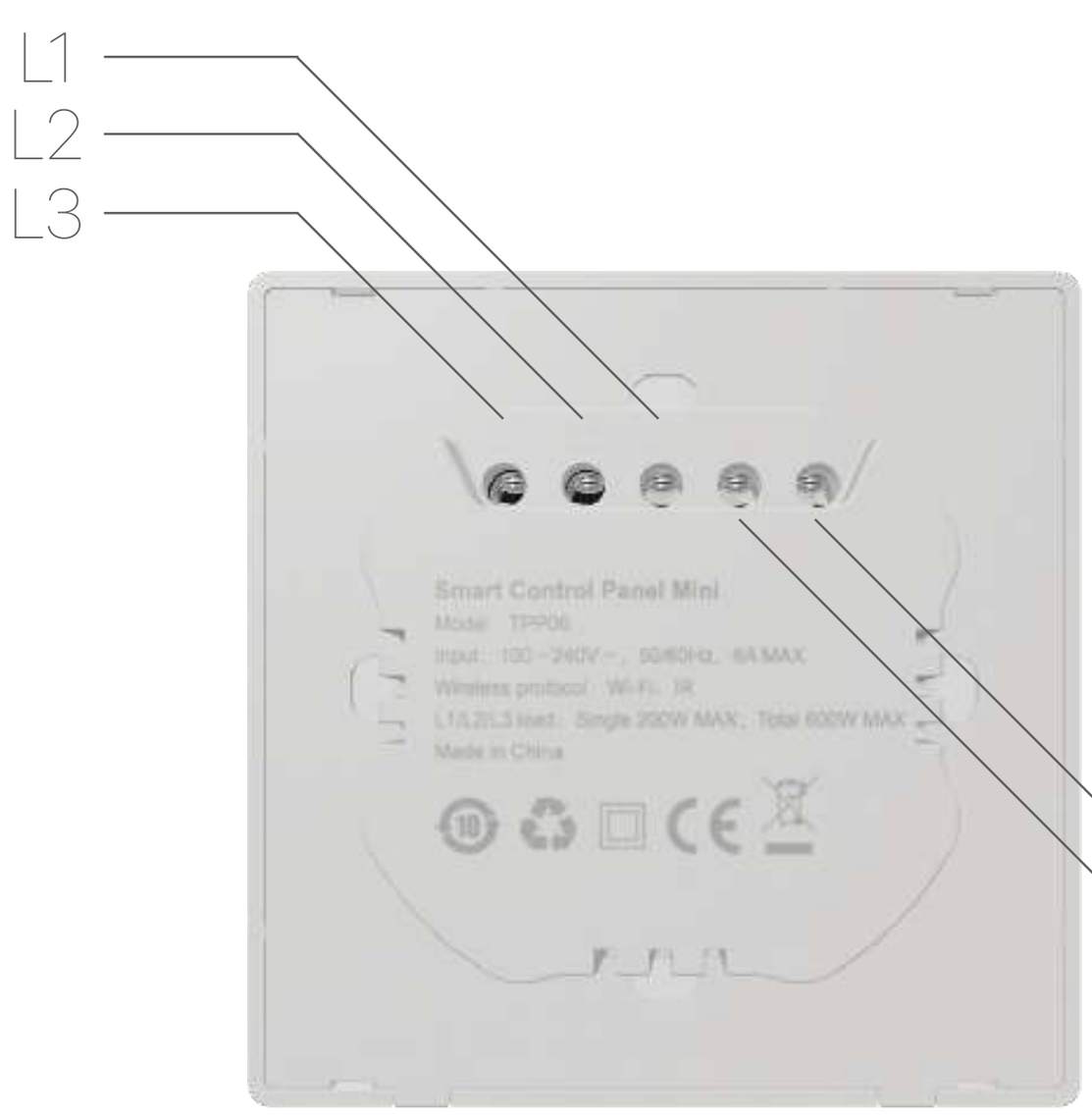
The physical buttons

Infrared remote control

Touch screen

Button indicator light

(Front side)



Neutral wire

Live wire

(Back side)



Reset

Type C

*Debug only

(Side view)

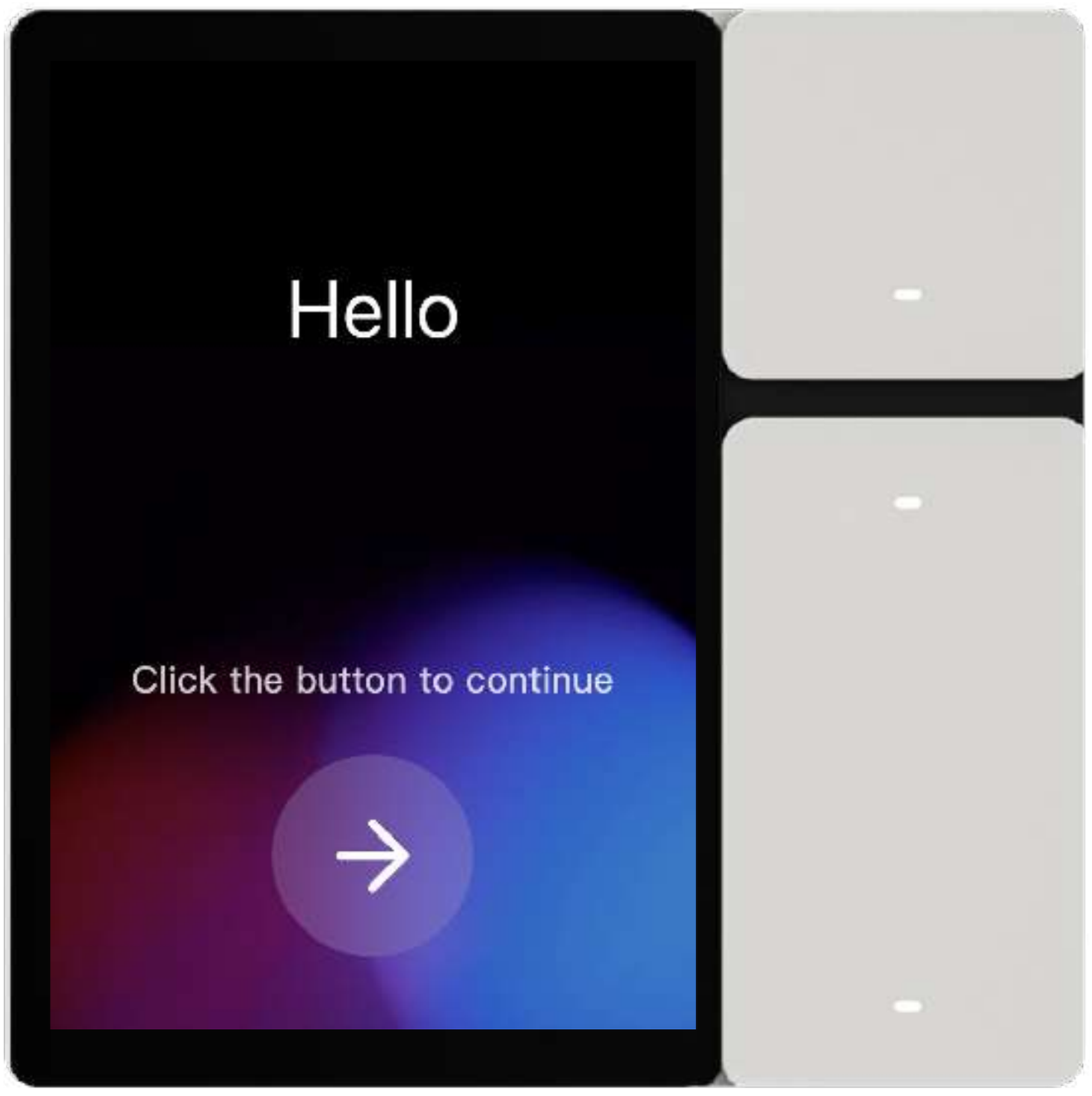
Function introduction

① Boot Guide

After mounting the Smart Control Panel on the wall and powering it up, it will enter the boot guide page. Follow the on-screen prompts to:

- Select language
- View and agree to the terms of use
- Choose the WLAN network to connect to
- Use the mobile app to scan and bind the device
- Select the area that the device will control

Once these settings are completed, the device can be used normally.



Function introduction

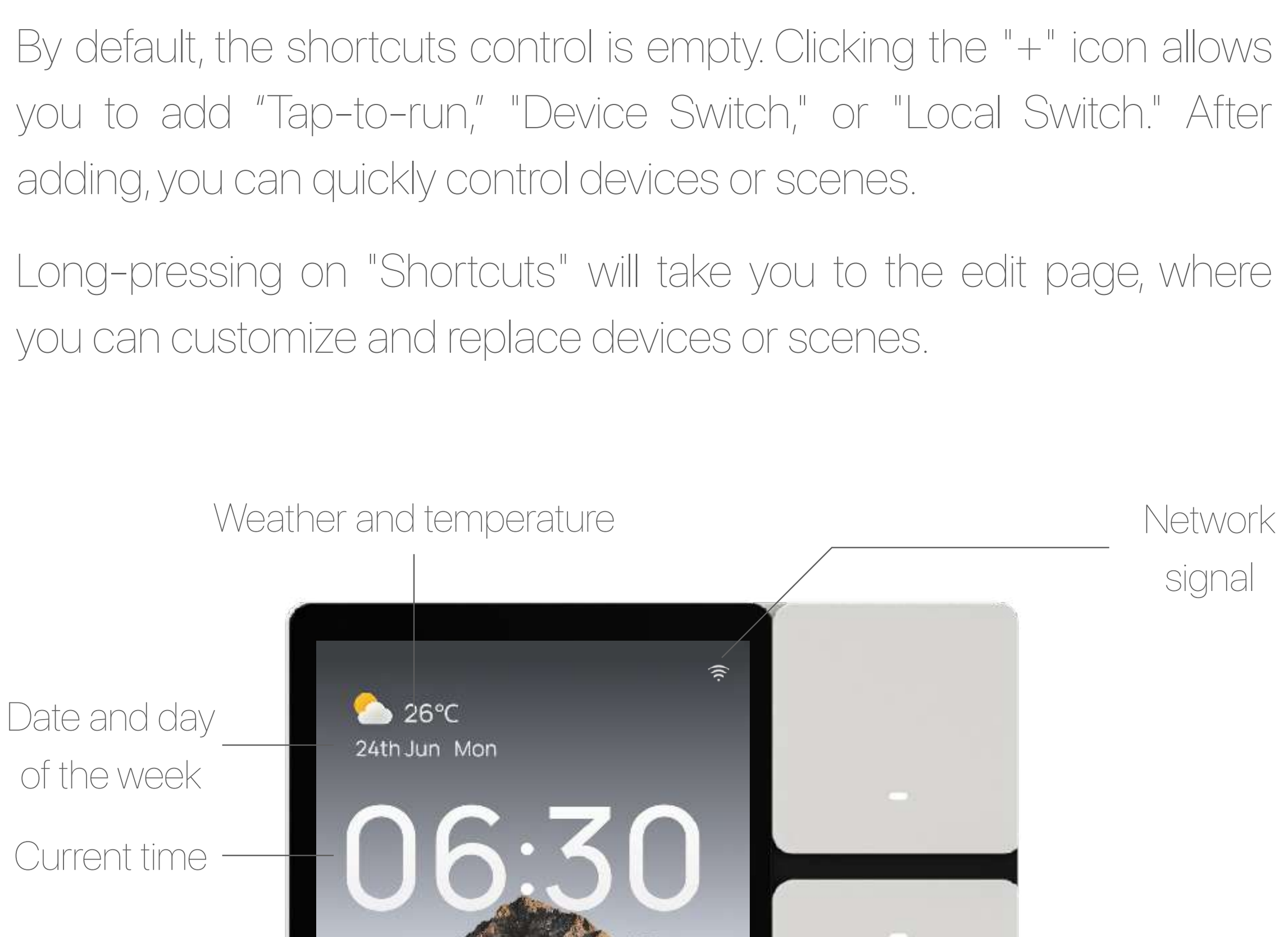
② Home Page

After completing the boot guide settings, the Smart Control Panel will enter the home page, which displays:

- Current time
- Date and day of the week
- Weather and temperature
- Current network signal
- Shortcuts control (two slots)

By default, the shortcuts control is empty. Clicking the "+" icon allows you to add "Tap-to-run," "Device Switch," or "Local Switch." After adding, you can quickly control devices or scenes.

Long-pressing on "Shortcuts" will take you to the edit page, where you can customize and replace devices or scenes.



Function introduction

③ Device Control

Swipe right on the home page to enter the "All Devices" list page. Here, the devices that have been added to the mobile app will automatically sync. Devices meeting any of the following conditions will appear in the device list on the Smart Control Panel：

- Devices that comply with the defined standard instruction set*
- Devices that support shortcut control

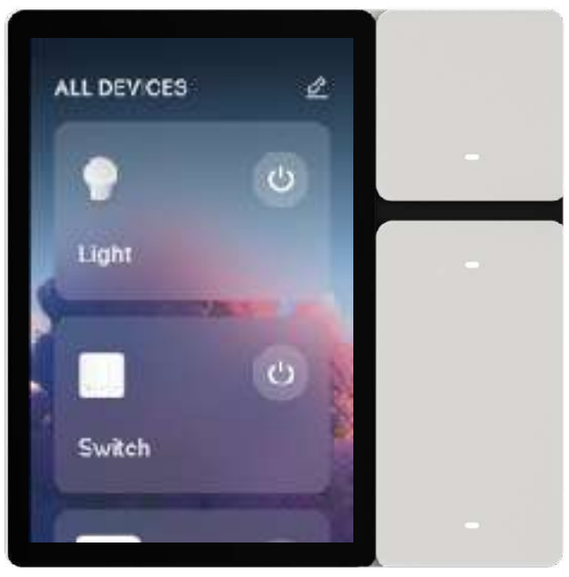
For devices eligible for shortcut control, you can toggle the device's power on and off by clicking the switch button in the upper right corner.

For devices compliant with the standard instruction set, in addition to power control, clicking on the device card will navigate you to the detailed control page, where more functions can be controlled.

Click on the "All Devices" in the upper left corner to switch between "Rooms." Selecting different "Rooms" will display all devices in the respective rooms.。

Click on the " ✎ " in the upper right corner or long-press on the device card to "Hide" or "Restore" the device. Hiding the device will make it invisible on the screen but won't delete or unbind the device. Select "Add" to restore visibility.

After long-pressing on a device card, you can freely drag and drop the order of device cards to customize the priority of device card display.



Device cards



Advanced Control Page (Air Conditioner)

Function introduction

④ Scene Control

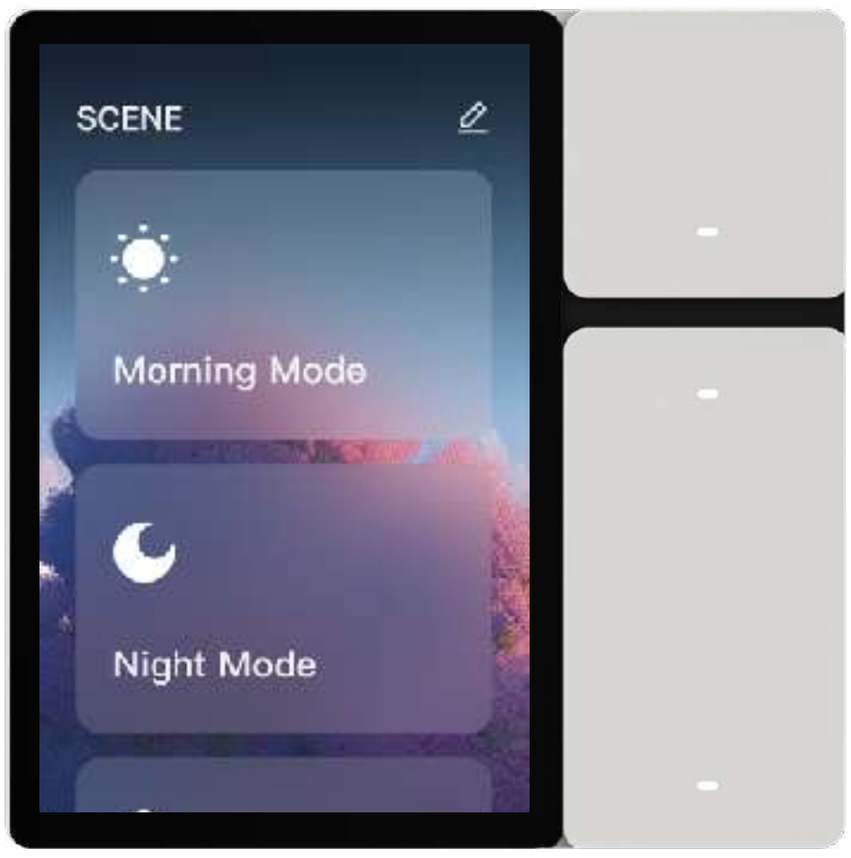
Swipe left on the home page to enter the "Tap-to-run" list page. Here, the "Tap-to-run" and "Lighting Scenes" (if any) that have been added to the mobile app will automatically sync.

Click on a scene card to execute the scene action.

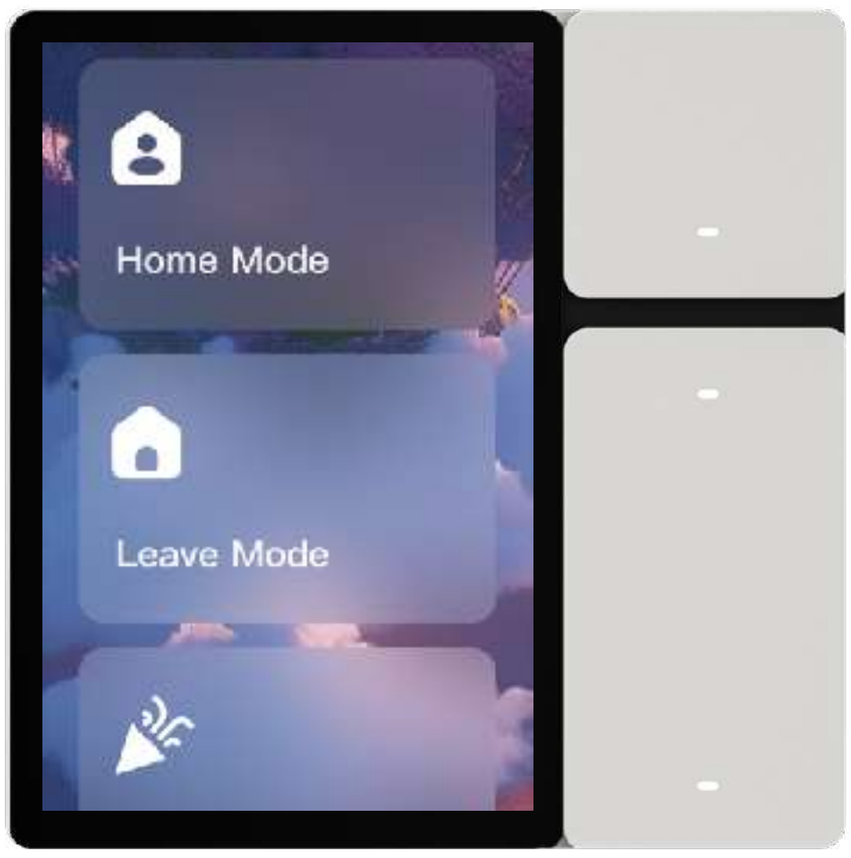
If lighting scenes have been created under the account, clicking on "Tap-to-run" in the upper left corner will allow you to switch between them. Selecting different "Rooms" will display lighting scenes in the respective rooms.

Click on the "✎" in the upper right corner or long-press on the scene card to "Hide" or "Restore" the scene. Hiding the scene will make it invisible on the screen but won't delete the scene. Select "Add" to restore visibility.

After long-pressing on a scene card, you can freely drag and drop the order of scene cards to customize the priority of scene card display.



Scene cards



Scene cards

Function introduction

⑤Quick control

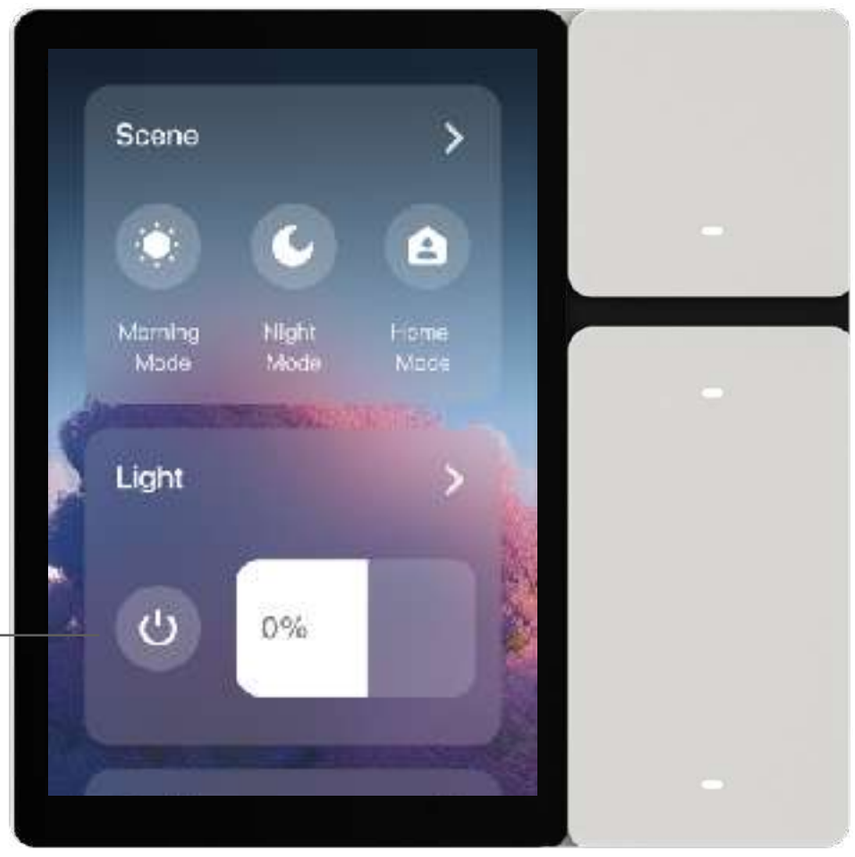
Swipe down on the home page to enter the "Quick control" page. Here, quick control widgets for devices are displayed. What you see is what you get, allowing you to control devices at a glance.

Click on the function button of a quick control widget to control the device's function.

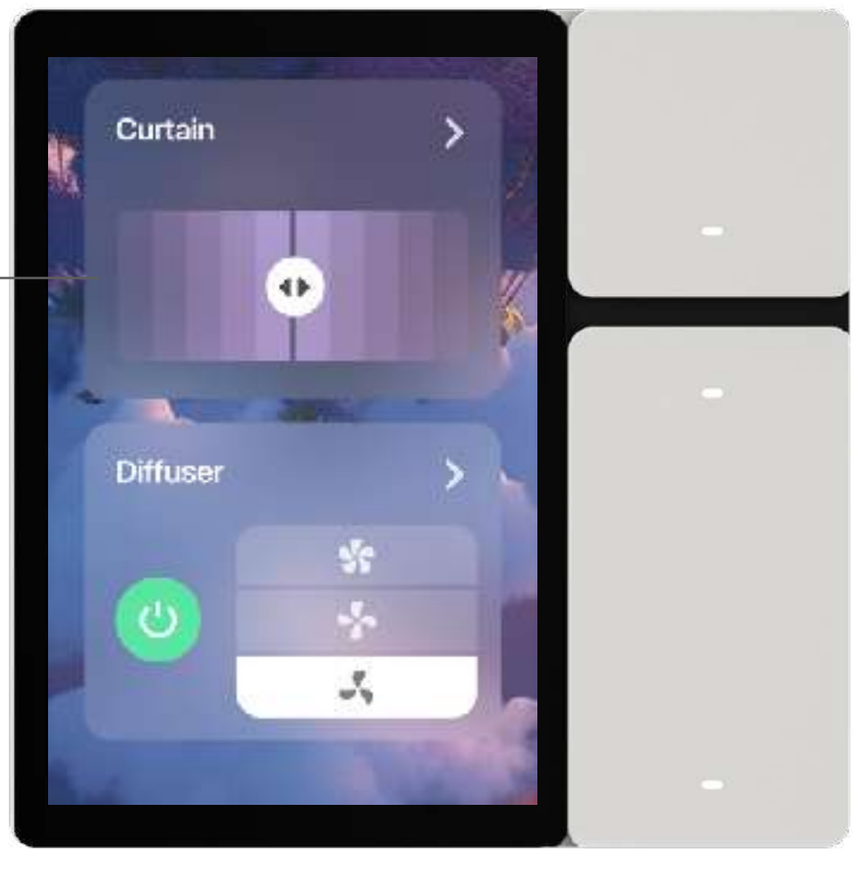
Click on the arrow in the upper right corner to enter the corresponding device's advanced control page.

Long-press on a widget card or click "Edit" at the bottom of the page to add, delete, or drag and drop quick widgets.

The quick control widgets directly display device functions, eliminating the need to enter the advanced control page, which greatly enhances interaction efficiency.



Lighting
Quick Control Widget



Curtain
Quick Control Widget

Function introduction

⑥ View Camera & Unlock on Screen

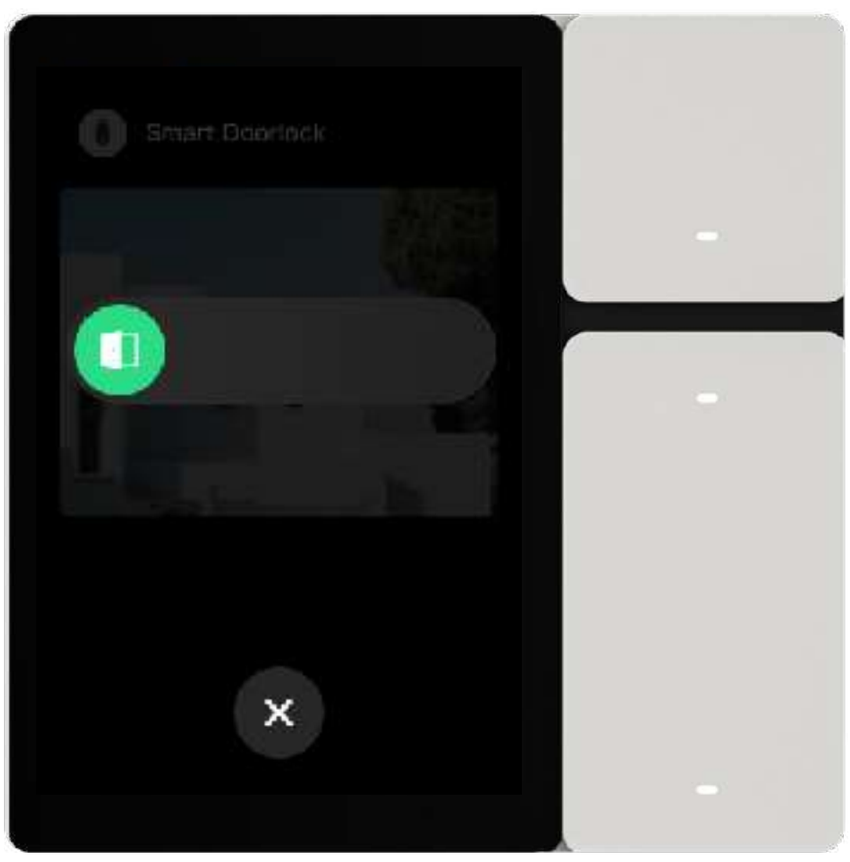
Swipe right on the home page for two screens to enter the “Family call" page. Here, devices with video streaming capabilities such as smart cameras, visual doorbells, and visual door locks are displayed.

Click on the device card of a smart camera or visual doorbell to view the camera footage.

When the doorbell of the visual door lock is pressed by a visitor, the Smart Control Panel will automatically ring and display the door lock camera footage. Click on " " to answer the call. Click and slide on " " to unlock the door on the screen.



When a visitor presses the doorbell on the visual door lock, the Smart Control Panel will automatically display the video feed.



Swipe right on the unlock button, to unlock the door on the screen.

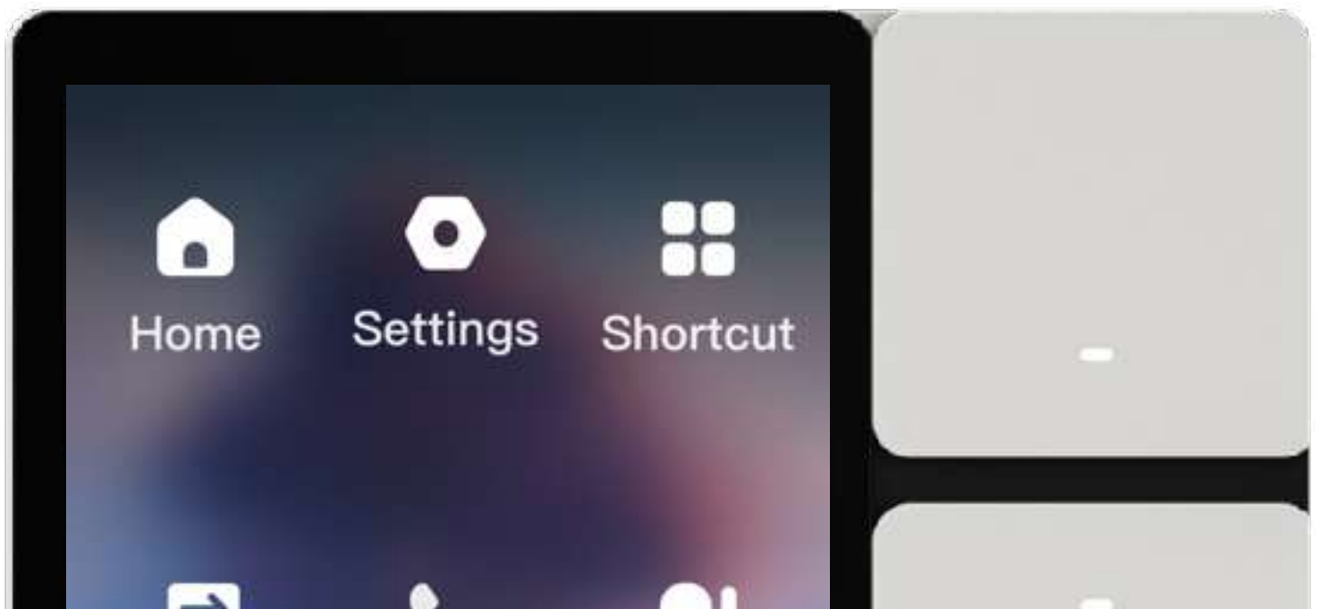
Function introduction

⑦ Pull-down Page

From any page, swipe down from the top of the screen to bring up the "Pull-down Page".

The "Pull-down Page" includes the following buttons:

- Home: Click to return to the home page.
- Settings: Click to enter the settings page.
- Shortcut: Click to enter the shortcuts editing page.
- Sync: Click to automatically sync device and scene lists.
- Call: Click to enter the page displaying video devices such as cameras and doorbells.
- Sensor: Click to enter the sensor display page.
- Search: Click to enter the Bluetooth Sigmesh sub-device search and network configuration page.



Function introduction

⑧Settings

In the "Pull-down Page", click on "Settings" to enter the settings page.

The "Settings" include the following options:

- Network setting: Select network, enter password to connect to the internet.
- Bluetooth: Enable or disable Bluetooth Mesh gateway.
- Display: Adjust brightness, set screen saver and do not disturb mode.
- Volume: Mute settings and toggle touch sound effects.
- Personalization: Choose themes and screen savers.
- Language: Switch between different languages.
- Date & Time: Toggle between 24/12-hour format and display time zone/date/time.
- Partition control: Select control zones.
- Family call: Set do not disturb for calls.
- Message notification: Enable or disable message cards and notification sounds.
- Shortcut: Edit shortcuts to control devices or scenes.
- Software upgrade: View current version and check for updates.
- Device & system: Restart device, factory reset, clear cache, upload logs.
- About: Device ID, IP address, MAC address, and other information.

Function introduction

⑨ Infrared Remote Control

The Smart Control Panel Mini is equipped with three surface-mounted infrared emitters, allowing it to control home infrared appliances on its own.

- How to add infrared devices?

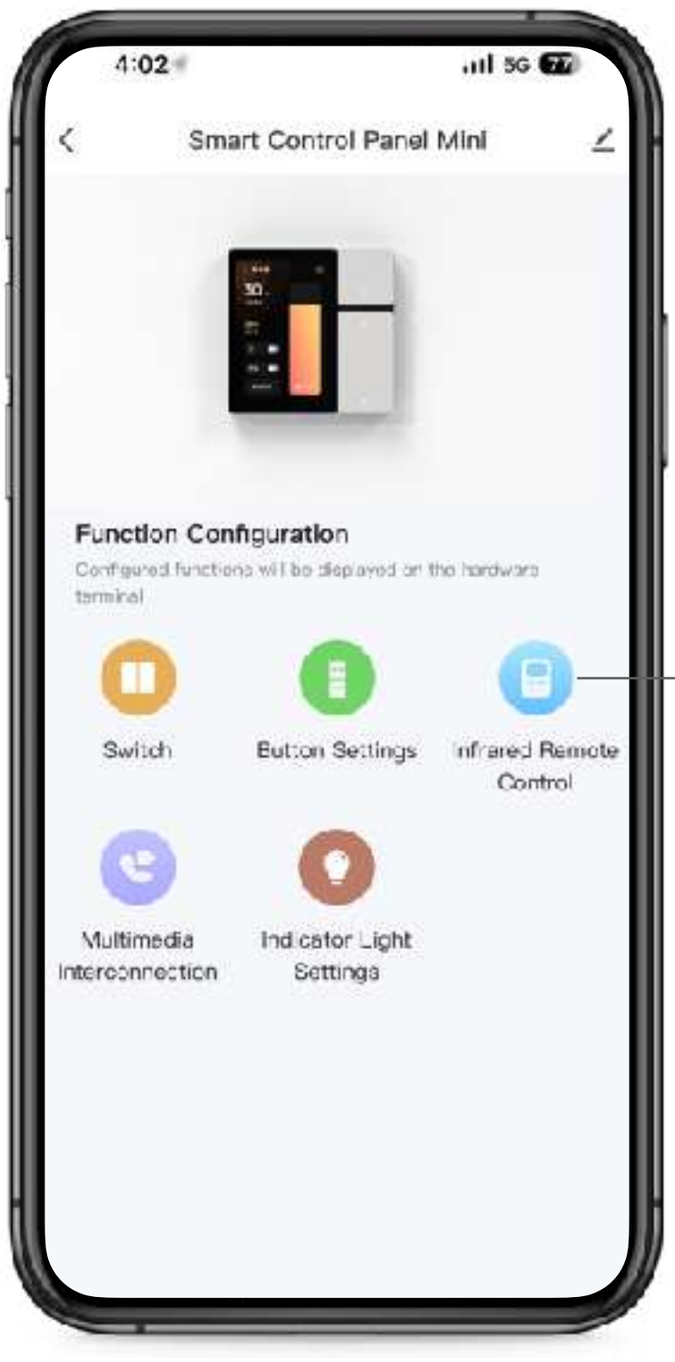
In the Smart Control Panel section of the mobile app, click on the "Infrared Remote Control" entry, follow the instructions, and you can add infrared devices.

- What types of infrared devices are supported?

Currently, it supports 12 categories of infrared devices: TV, STB, TV Box, Air Conditioners, Fan, Light, Audio, Projector, DVD, Camera, Water Heater, and Air Purifier.

- How to control infrared devices?

After adding the infrared devices, they will be automatically synced to the Smart Control Panel. Simply click to enter the detailed control page on the control panel, and you can control the infrared devices from there.



Click to enter the page for adding infrared devices

Select the corresponding device type for adding



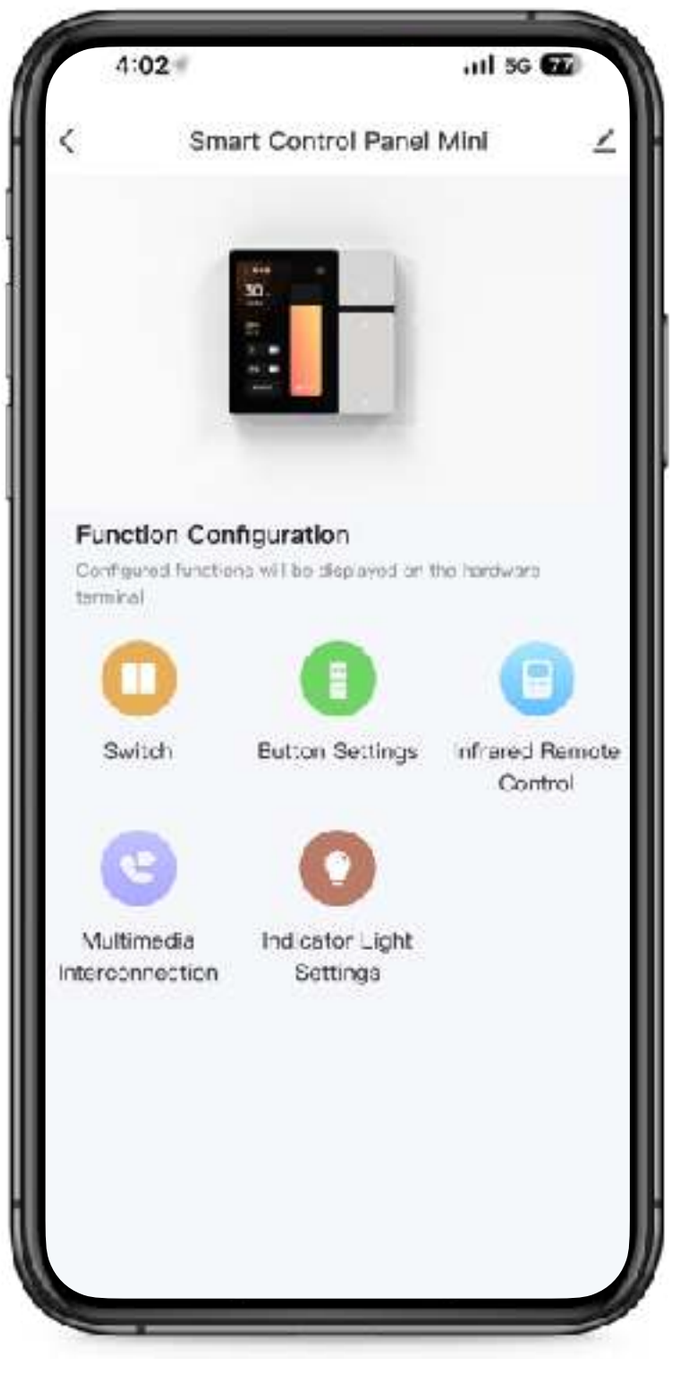
Function introduction

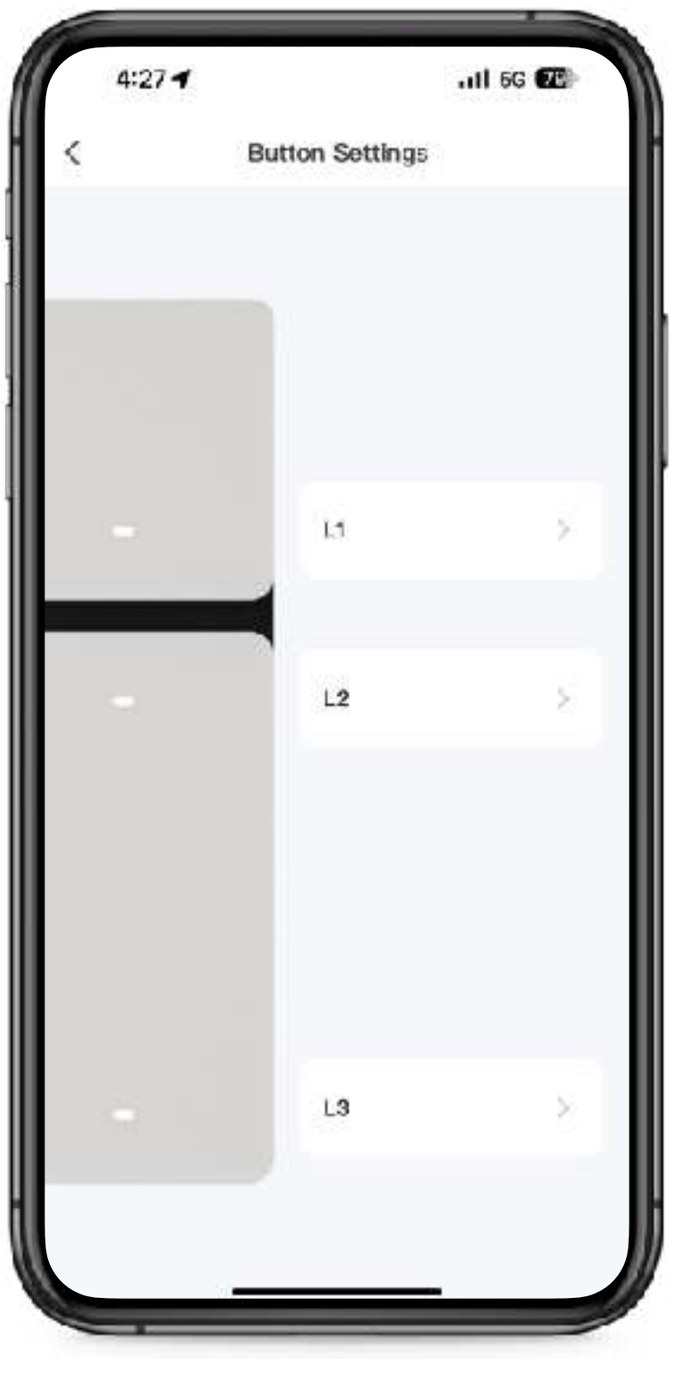
⑩ Customizing Physical Buttons

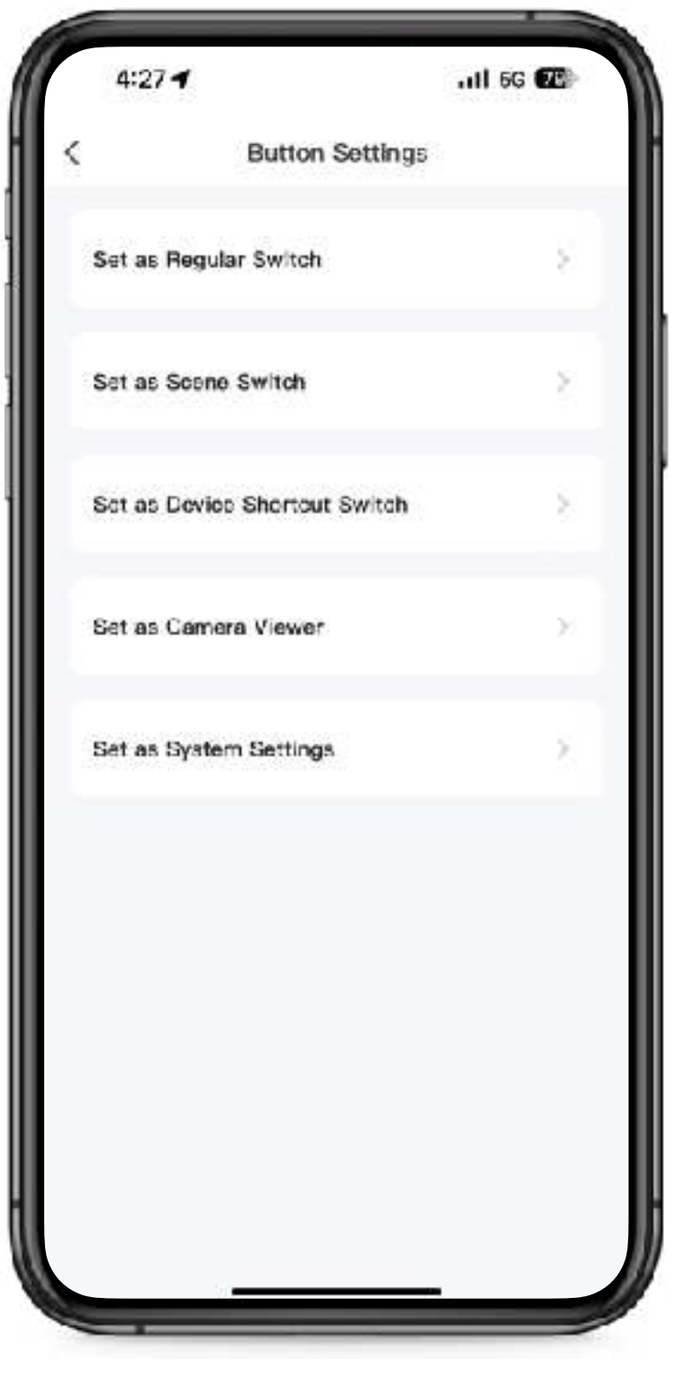
The Smart Control Panel Mini comes with three physical buttons, offering various customization options:

- Relay Switch: Control the opening and closing of relays, typically used to replace traditional switches for non-smart lighting fixtures.
- Scene Switch: Bind a scene to a button for quick execution by pressing the physical button.
- Device Shortcut Switch: Bind a device shortcut switch to a button for quick control of the associated device.
- Camera Viewer: Bind a camera to a button for quick access to the camera feed.
- System Settings: Supports settings such as screen on/off, brightness increase, and brightness decrease.

In the Smart Control Panel section of the mobile app, click on "Button Settings" to perform the above customization operations.







Function introduction

⑪ Button Indicator Light

The three physical buttons on the Smart Control Panel Mini are all equipped with indicator lights, which support customizable settings. The indicator lights have three states:

- Indicate off: The indicator light remains off when the relay is toggled.
- Indicate switch: The indicator light's on/off state synchronizes with the opening/closing of the relay.
- Indicate position: The indicator light remains constantly on to indicate the button's position.

⑫Relay status

The Smart Control Panel Mini comes with three built-in relays. In the mobile app's Smart Control Panel section, you can set the power-on state. There are three possible settings, and you can also set the state for all relays collectively or individually. The power-on states are:

- OFF: Each time power is restored, the relays are in the power-off state.
- ON: Each time power is restored, the relays are in the power-on state.
- Remember last status: Each time power is restored, the relays retain the same state as when the power was last cut off.



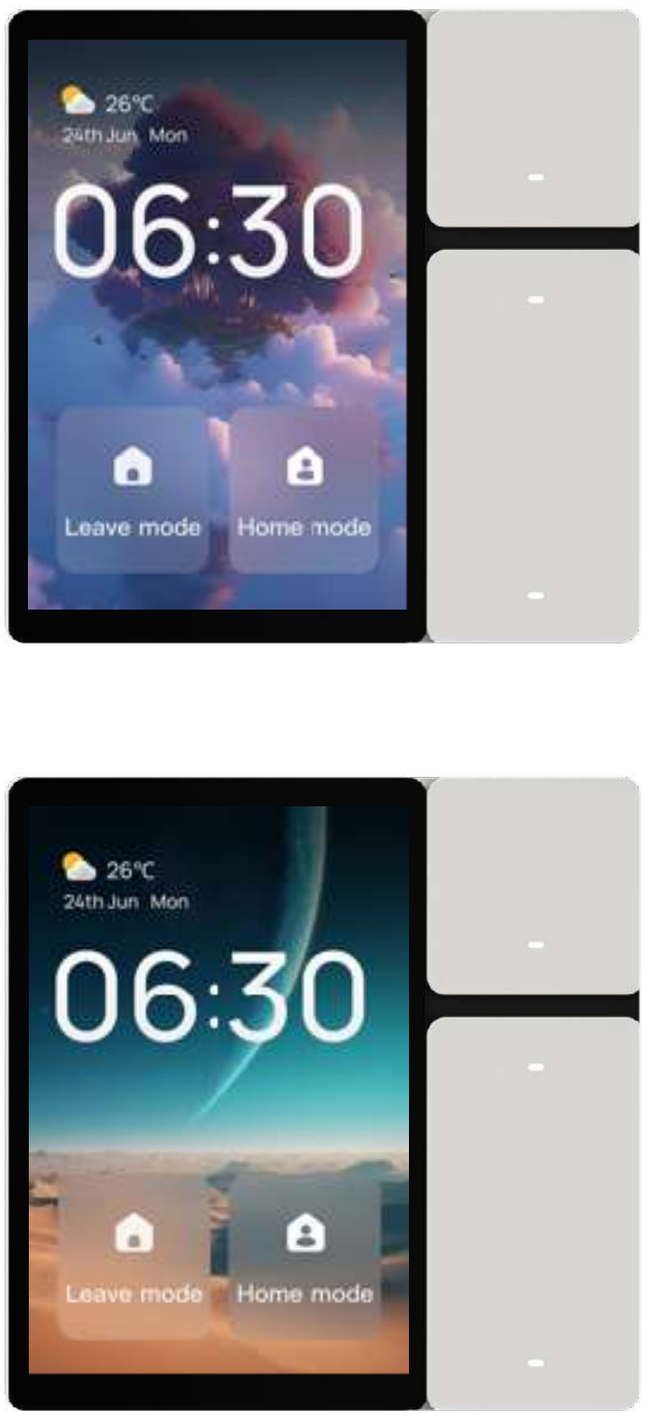


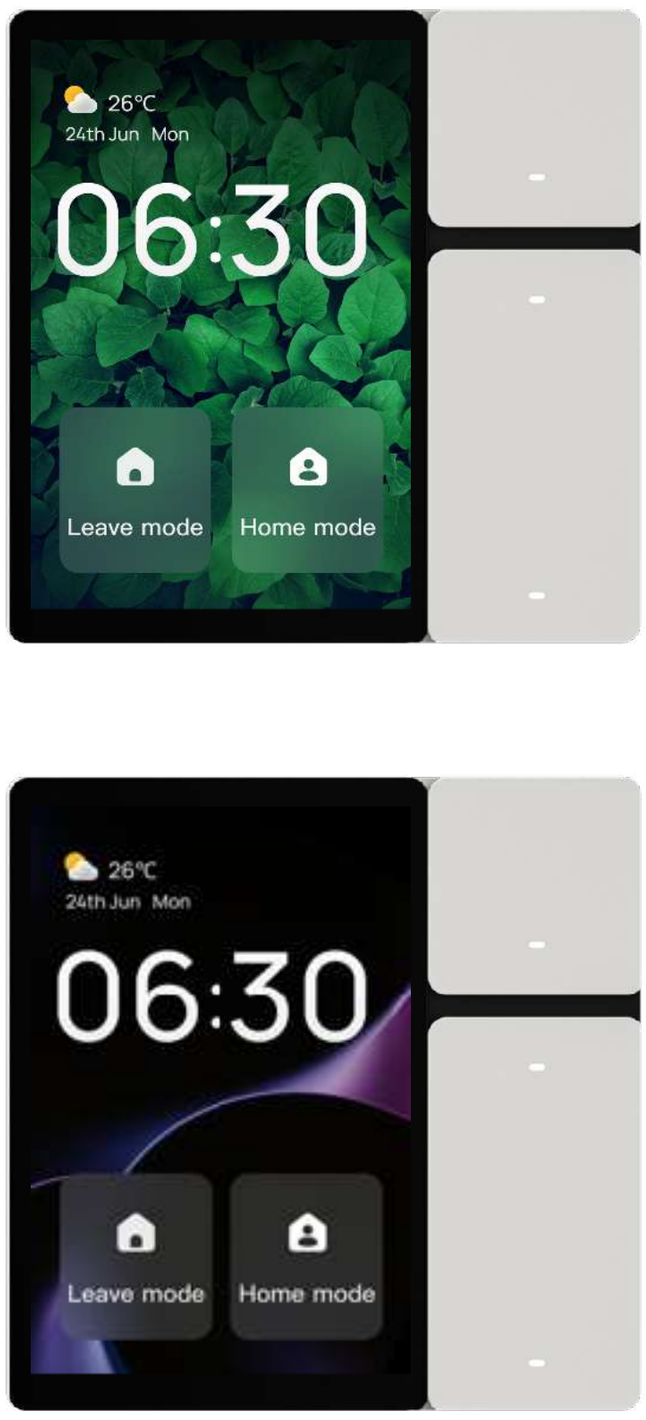
Function introduction

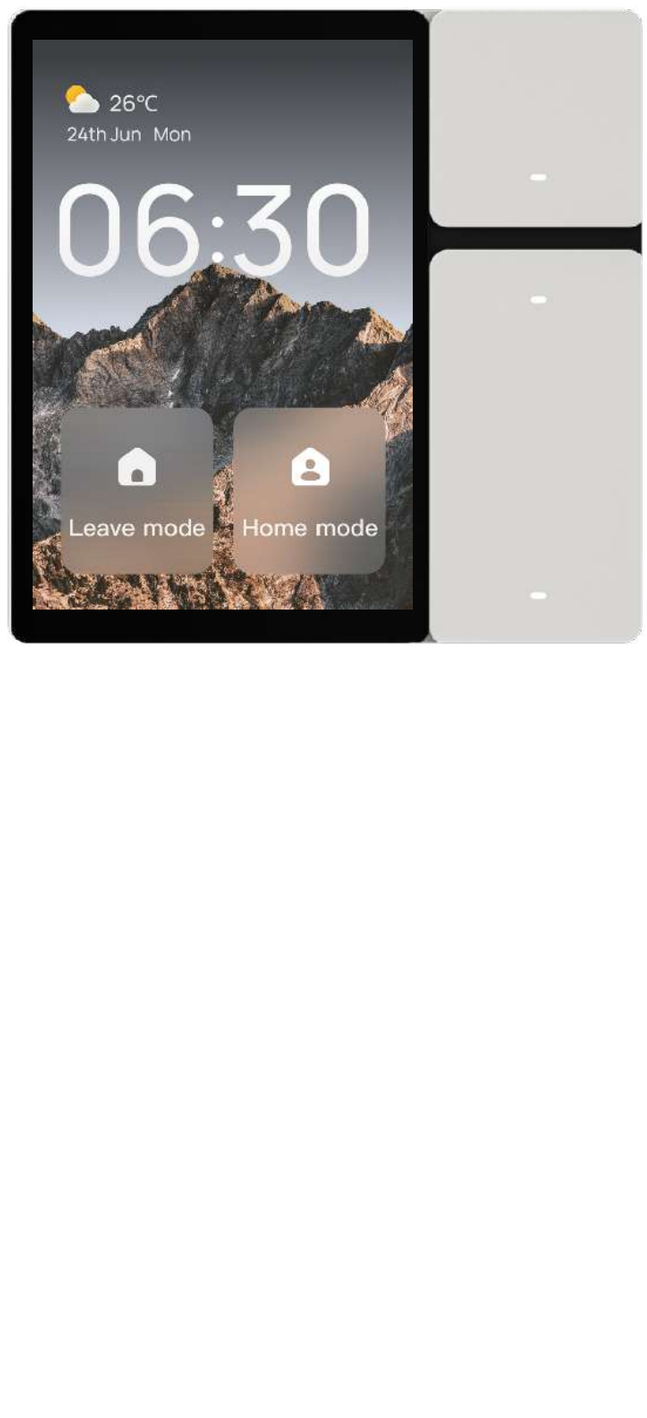
⑬ Theme and Screen Saver

The Smart Control Panel Mini supports multiple sets of themes and screen savers. In the settings - personalization section, users can choose themes and screen savers according to their aesthetic preferences.

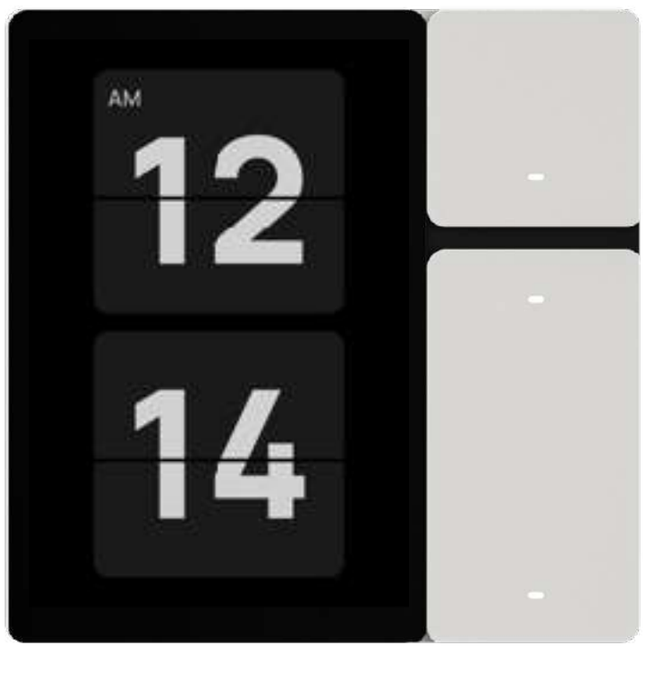
- Theme

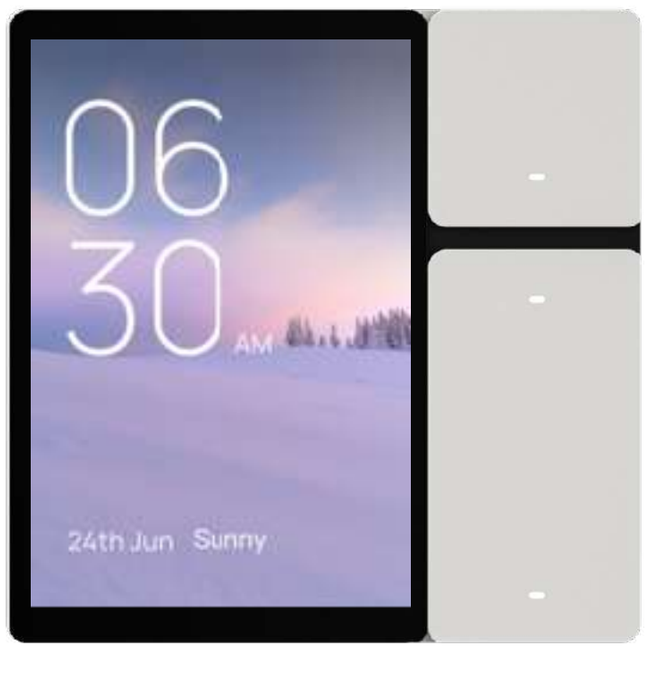






- Screen Saver







Function introduction

⑭ Security Alarm

The Smart Control Panel Mini supports security alarm functionality. When devices such as gas detectors, smoke detectors, water leakage sensors, SOS emergency buttons, etc., are triggered at home, the control panel will display a security alarm card to alert users and emit a "beep beep" alarm sound.

- Security Card



SOS Alram



Smoke Alarm



Gas Alarm

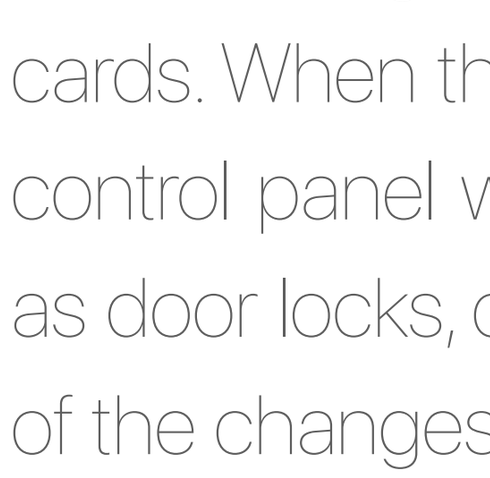


Water Leakage Alarm

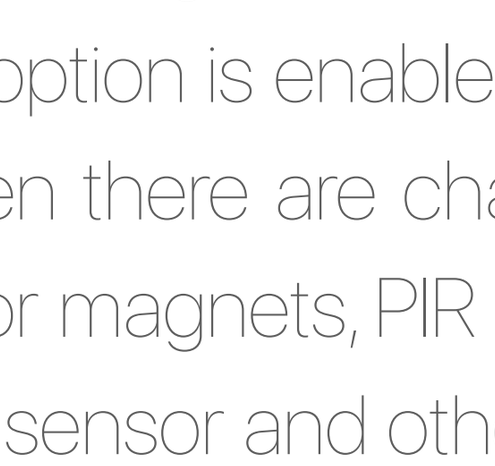
⑮ Message Notifications

In the settings - message notifications, there is an option for message cards. When this option is enabled, message cards will pop up on the control panel when there are changes in the status of devices such as door locks, door magnets, PIR motion sensors, etc., informing users of the changes in sensor and other device statuses. If users prefer not to be disturbed, they can also disable message card notifications.

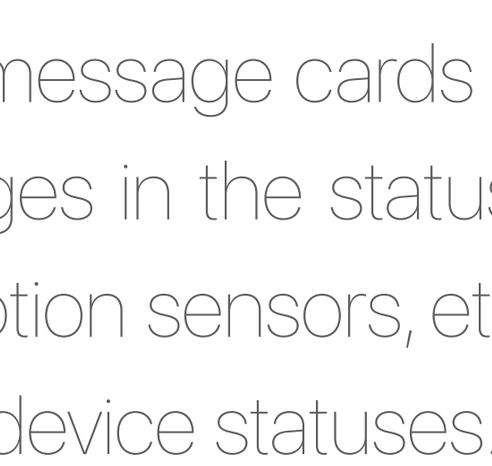
- Message Card



Door Magnet Open Notification



Motion Detected Notification



Door Lock Open Notification

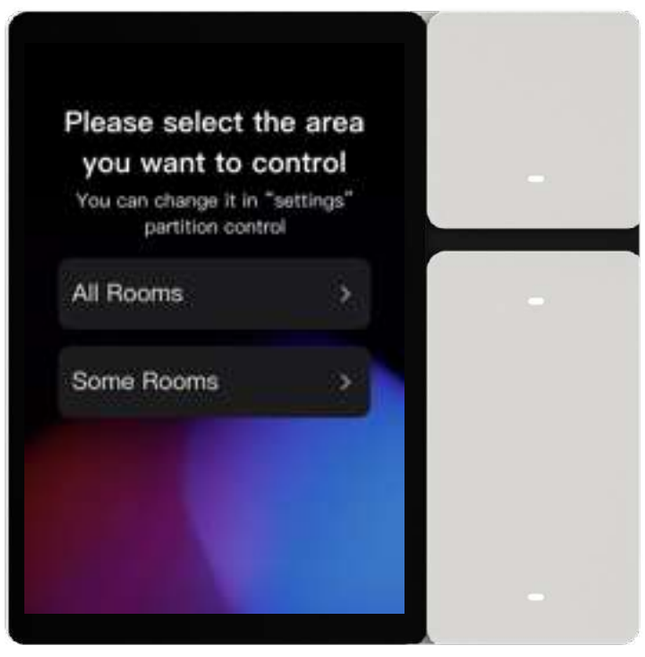
Function introduction

⑯ Partition Control

The Smart Control Panel Mini supports partition control functionality. Users can select the area to be controlled by this control panel on the screen. This includes options to select: a single room, multiple rooms, or all rooms. Once the desired area is selected for control, only the devices in that area will be displayed on the control panel, while devices from other areas will be hidden and not visible.

There are two ways to set up zones:

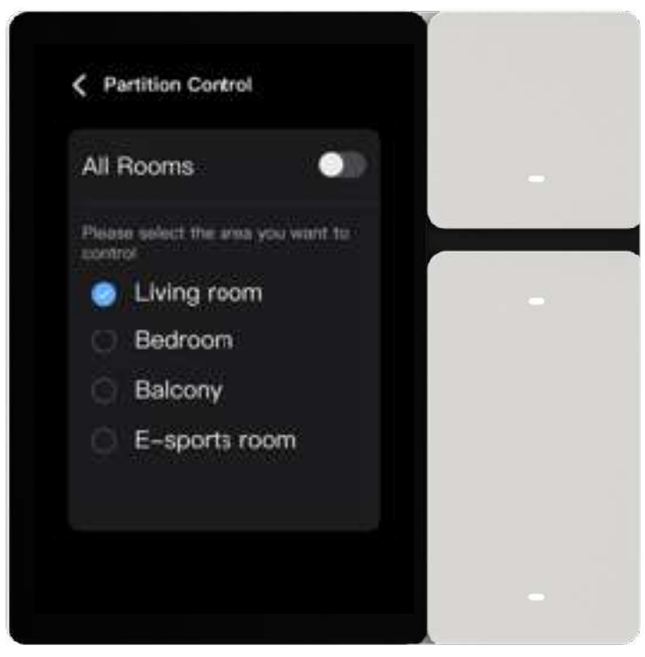
- During Boot Guide Setup: In the final step of boot guide setup process, users will be prompted to choose the area they want to control. Follow the prompts to make the selection.
- Settings - Partition Control: In the pull-down page, go to Settings - Partition Control, where users can select and change the room. Changes will take effect automatically after completion.



Boot Guide - Select Room



Boot Guide - Select Room



Settings - Partition Control

Function introduction

⑰ Language Switching

The Smart Control Panel Mini supports 17 languages (continuously increasing). Users can choose their preferred language for the interface display. There are two entry points for language selection:

- Boot Guide: Language selection is the first step in the boot guide. Once selected, the system will display in the chosen language.
- Settings - Language: In the pull-down page, go to Settings - Language, where users can change the language selection. Changes take effect immediately after completion.

⑱ 24/12-hour Format Switching

In the pull-down page, go to Settings - Date & Time, where you can switch between the 24-hour and 12-hour formats. Changes take effect immediately.



Language Switching



24/12-hour Format Switching

Function introduction

⑲ Sub-device Networking

The Smart Control Panel Mini supports on-screen pairing for Sigmesh sub-devices.

Here's how to pair Sigmesh sub-devices on the screen:

1. Ensure that the Sigmesh sub-device is in pairing mode and is nearby the control panel.

2. Swipe down to access the pull-down page, then tap on "Search". Once the sub-device in pairing mode is found, the pairing process will be completed.

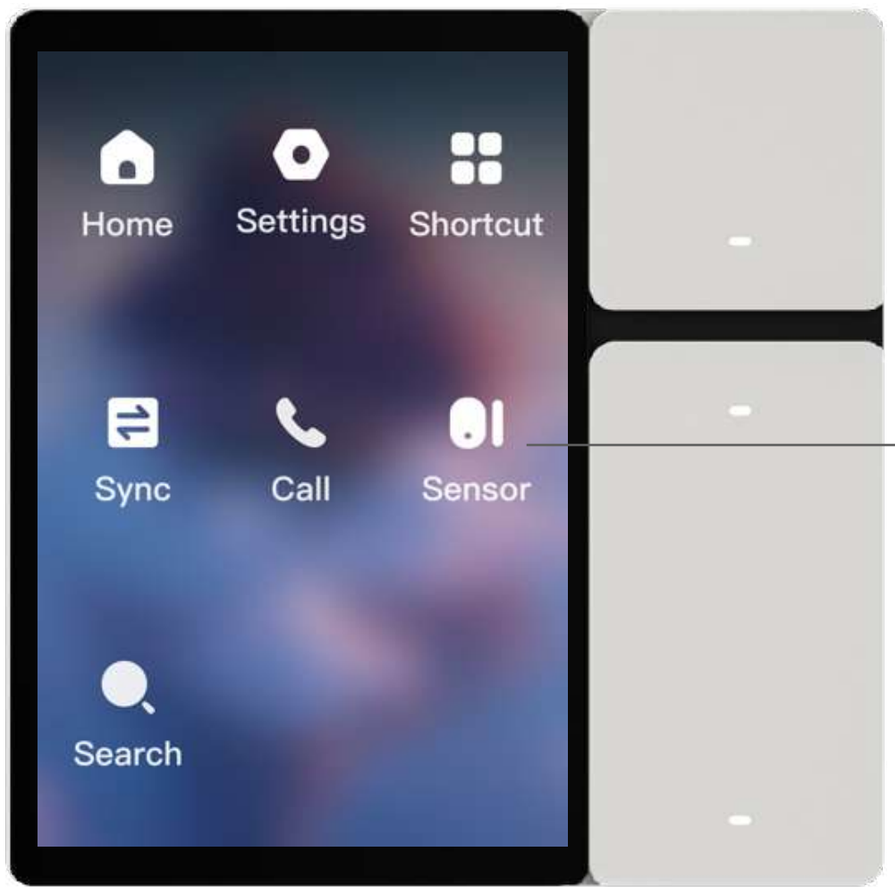
Note: After pairing the sub-device on the control panel, you cannot assign it to a specific room. You'll need to set the sub-device's room in the app.



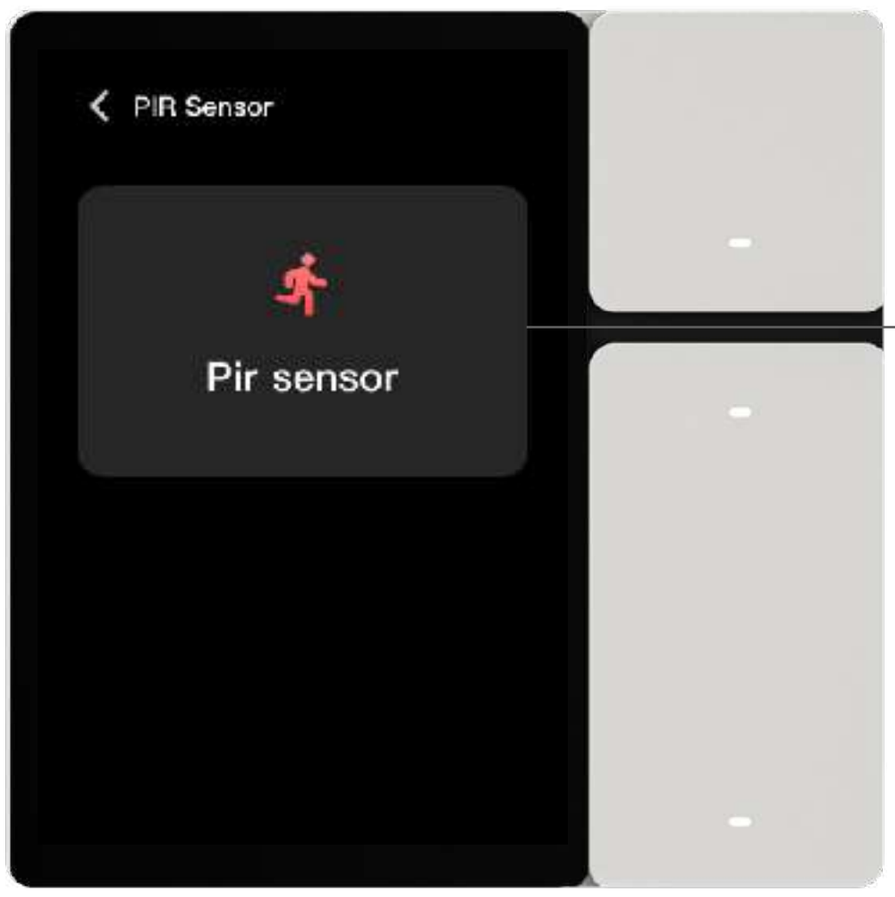
Function introduction

⑳ Sensor

The Smart Control Panel Mini supports various sensor devices and can display their current status in real-time. In the pull-down page, under "Sensor", you can view the real-time status and data of all sensors associated with your account.



Pull-down Page - Sensor



Real-time status of sensors, scroll left and right to switch between different sensors.

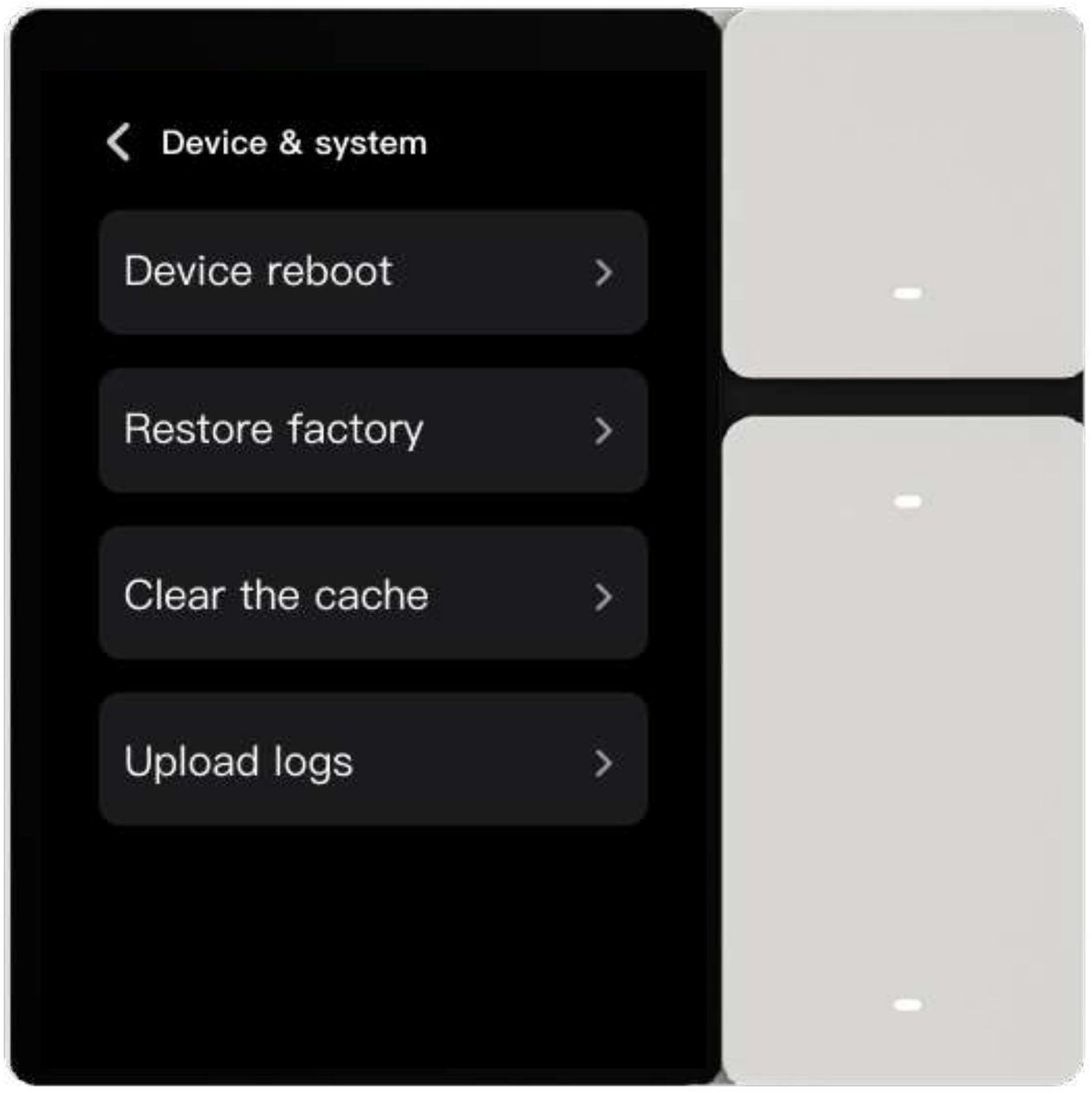
Function introduction

㉑Device reboot

In the pull-down page, go to Settings - Device & System, then click on "Device reboot" to complete the reboot of the control panel.

㉒Restore factory

In the pull-down page, go to Settings - Device & System, then click on "Restore factory" to delete account binding information and restore the control panel to its factory state.



Product Specifications



Product Name	Smart Control Panel Mini
Product Model	TPP06
Input	100-240V～； 50/60Hz
Wireless Protocol	Wi-Fi、Sigmesh、IR
Maximum Load	Maximum total load: 600W Maximum load per channel: 200W
Operating Temperature	0°C～40°C
Operating Humidity	5% to 90% RH (Non-condensing)
Size	86*86*11.5mm (excluding base) 86*86*35.5mm (including base)
Net Weight	153g

Product Installation

Installation preparation

①This product is powered by the neutral wire, please arrange the neutral wire in advance.

②This product is connected to the network through Wi-Fi, please arrange the Wi-Fi network in advance.

③If you need to use the relay of this product, please preset the relevant cables in advance.

④In order to ensure electricity safety and wireless performance, please use the standard plastic box for installation and use.

⑤Please bring your own screwdriver, test pen, electrical tape and other tools, please do not operate with electricity.



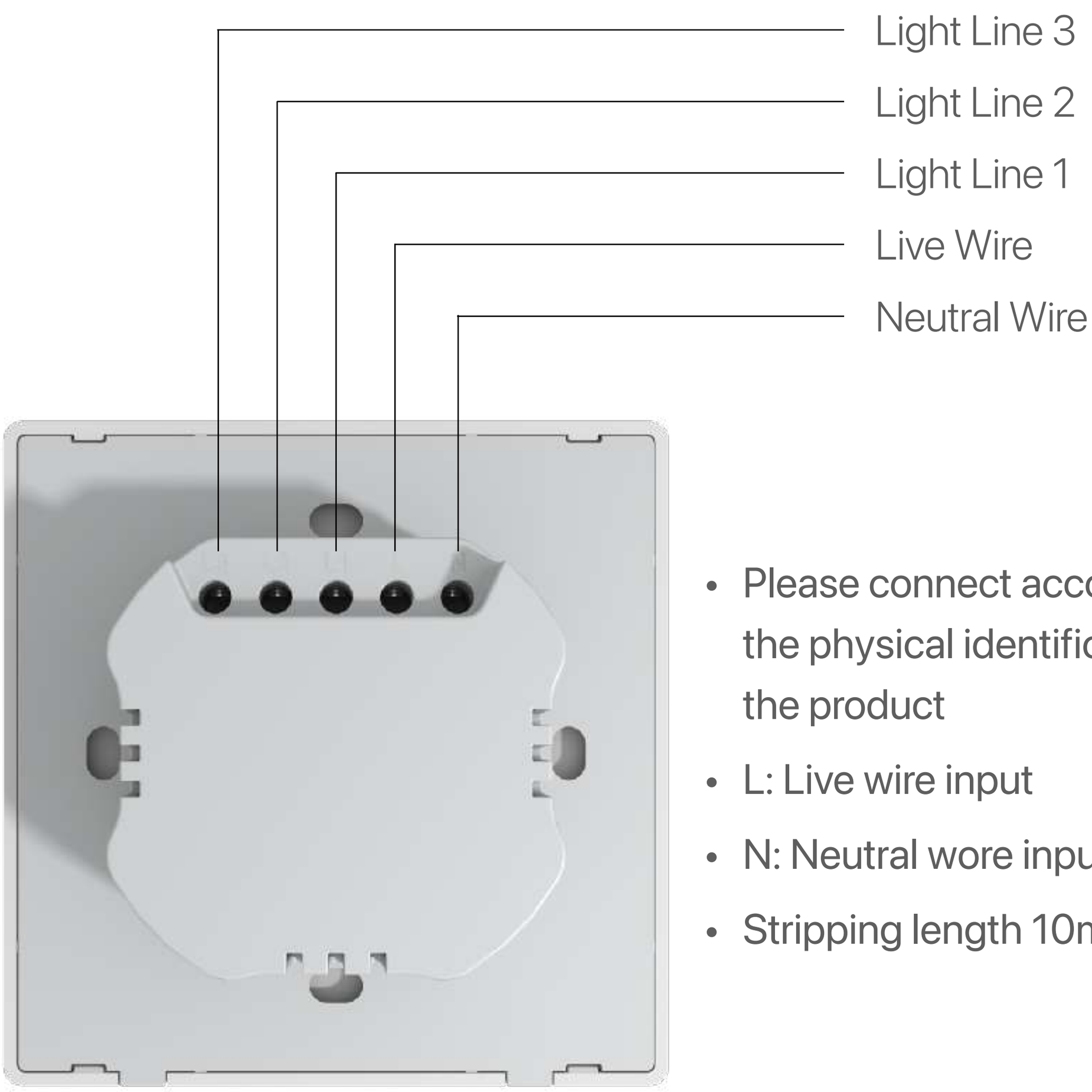
Product Installation

Installation instructions

- Turn off the main power switch, and use a test pen to confirm that the live wire in the cassette is not live.
- Remove the screen panel
- Check the wiring to make sure that the copper wire is in good contact with the terminal and there is no exposed wire.
- After fixing the base to the cassette with mounting screws, buckle back the panel.
- Please note that the screws should not be tightened too tightly during the installation process to avoid deformation or damage to the screen or hardware.
- If you encounter any problem with the installation, do not press too hard to force the installation. You should level the wall first and check the bracket.
- RISK OF FIRE： Install only in concrete or other non-combustible wall
- The distribution box must be plastic and non-hygroscopic material, with a minimum fire-resistance rating of 5V
- There should be no other metal conductive objects in the distribution box.
- The distance between the opening of the product body and the opening of the junction box should be at least 1 cm.
- The product needs to be installed in an outlet box or cassette that meets local country standards, such as ANSI/UL 514C, ANSI/UL 514A.
- This device needs to be protected by a circuit breaker(Current requirement refer to rated current).

Product Installation

Installation diagram



- Please connect according to the physical identification on the product
- L: Live wire input
- N: Neutral wore input
- Stripping length 10mm

Warranty policy

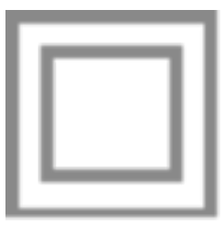
The after-sales service of Smart Control Panel Mini is strictly in accordance with the "Consumer Rights Protection Law of the People's Republic of China" and "Product Quality Law of the People's Republic of China", and implements after-sales warranty services of repair, replacement and refund. The service content is as follows:

1. Within 7 days from the date of your receipt, if this product has a product performance failure, you can enjoy the return or exchange services for free.
2. Within 8-15 days from the date of your receipt, if this product has a product performance failure, you can enjoy free replacement or repair services.
3. Within 12 months from the date of your receipt, if the product has a product performance failure, you can enjoy free maintenance services.

Non-warranty regulations

1. Unauthorized maintenance, misuse, collision, negligence, abuse, liquid ingress, accident, alteration, incorrect use of non-original accessories, or tearing off/altering of labels or anti-counterfeiting marks.
2. Expiration of validity period of the warranty services of repair, replacement and refund.
3. Damage caused by force majeure.
4. Other damages or malfunctions that are not caused by the product's own design, technology, manufacturing, quality and other issues.

Certification Information



Class II equipment.Equipment in which protection against electric shock does not rely on basic insulation only, but in which a supplementary safeguard is provided, there being no provision for protective earthing or reliance upon installation conditions.

~ a.c. Nature of the supply voltage.

Declaration of Conformity European notice



Hereby, We declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU,2011/65/EU.



This product must not be disposed of as normal household waste, in accordance with EU directive for waste electrical and electronic equipment (WEEE- 2012/19/EU). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.

The device could be used with a separation distance of 20cm to the human body.

Explanation of wireless function power

Wireless For EU Type	Frequency	Max. EIRP Power
Wi-Fi	2400-2483.5MHz	≤20dBm
Bluetooth	2400-2483.5MHz	≤10 dBm

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

RF Exposure: A distance of 20cm shall be maintained between the antenna and users, and the transmitter module may not be co-located with any other transmitter or antenna.