Xiaolei

Smart Gateway S80

Model: CG-KIT

Manual

www.xiaolei.com.cn

Works with Apple Home

matter

Product Introduction

The Smart Gateway S80 is a HomeKit gateway. Users can sync L-Home's Bluetooth devices and local scenes to Apple Home via iPhone or iPad to control them. When used with HomePod or Apple TV, it also supports remote control and automated control, and can be quickly operated through Siri voice commands.Meanwhile, the Smart Gateway S80 can also connect to all IoT platforms that support the standard Matter protocol via the Matter Bridge function, including mainstream platforms such as Apple Home, Amazon Alexa, Google Home, and SmartThings. Relying on the Smart Gateway S80, users can easily achieve cross-platform interconnection, enjoy a secure and stable smart control experience, significantly improve device compatibility and operational flexibility, and enable more efficient collaboration between devices of different brands.

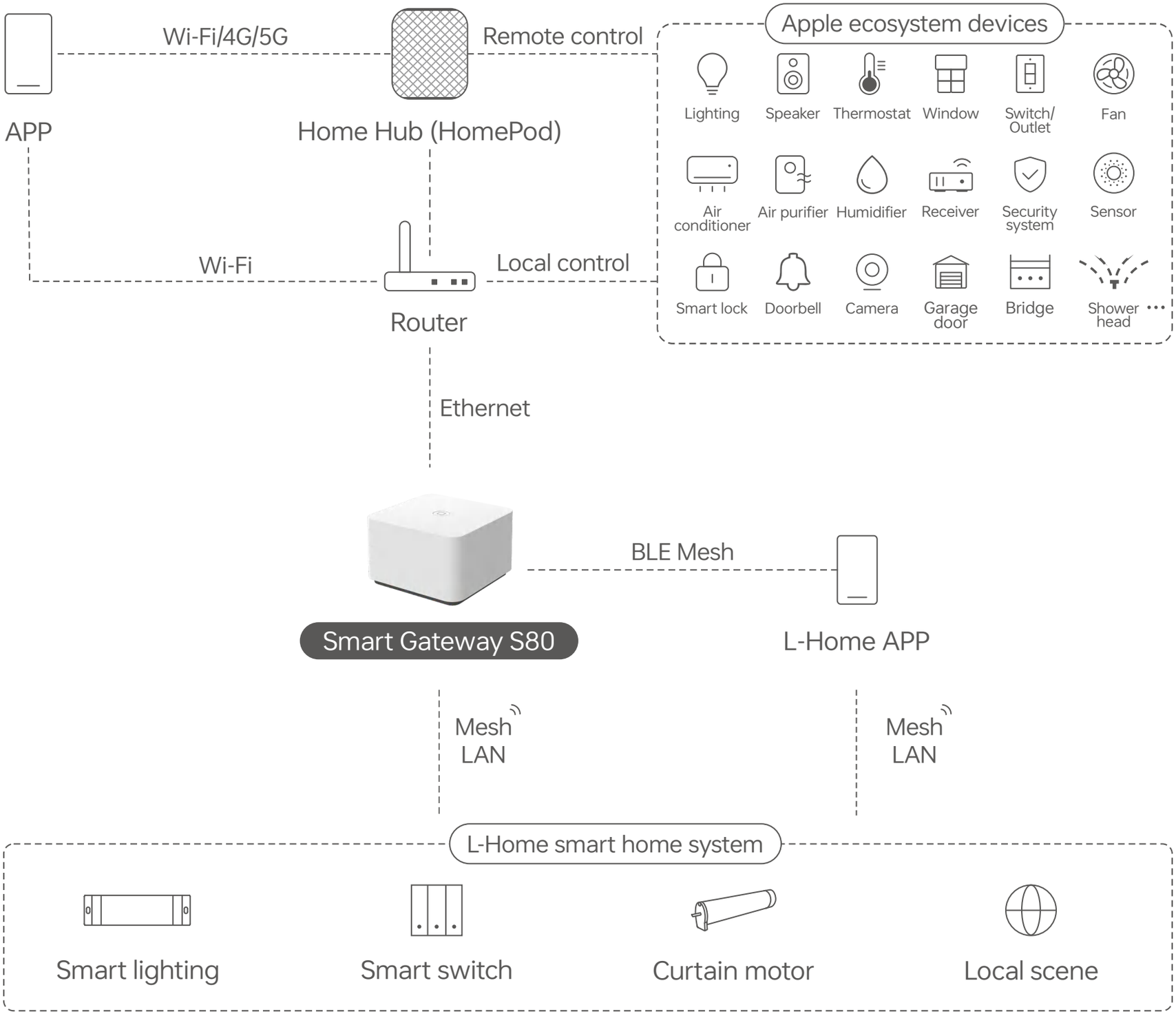
Technical Specs

Model	CG-KIT
Wireless type	Bluetooth 5.0 SIG Mesh
Wired network	Ethernet
Control type	LED driver, switch panel, curtain motor, local scene
Supported protocols	HomeKit, Matter
Supported platforms	Apple Home, Amazon Alexa, Google Home, SmartThings, etc.
Input power	5V⎓1A（USB-A）
Power interface	Type-C
Working temperature	-20°C~55°C
Product size	L90×W90×H55(mm)
Weight (gross weight)	380g

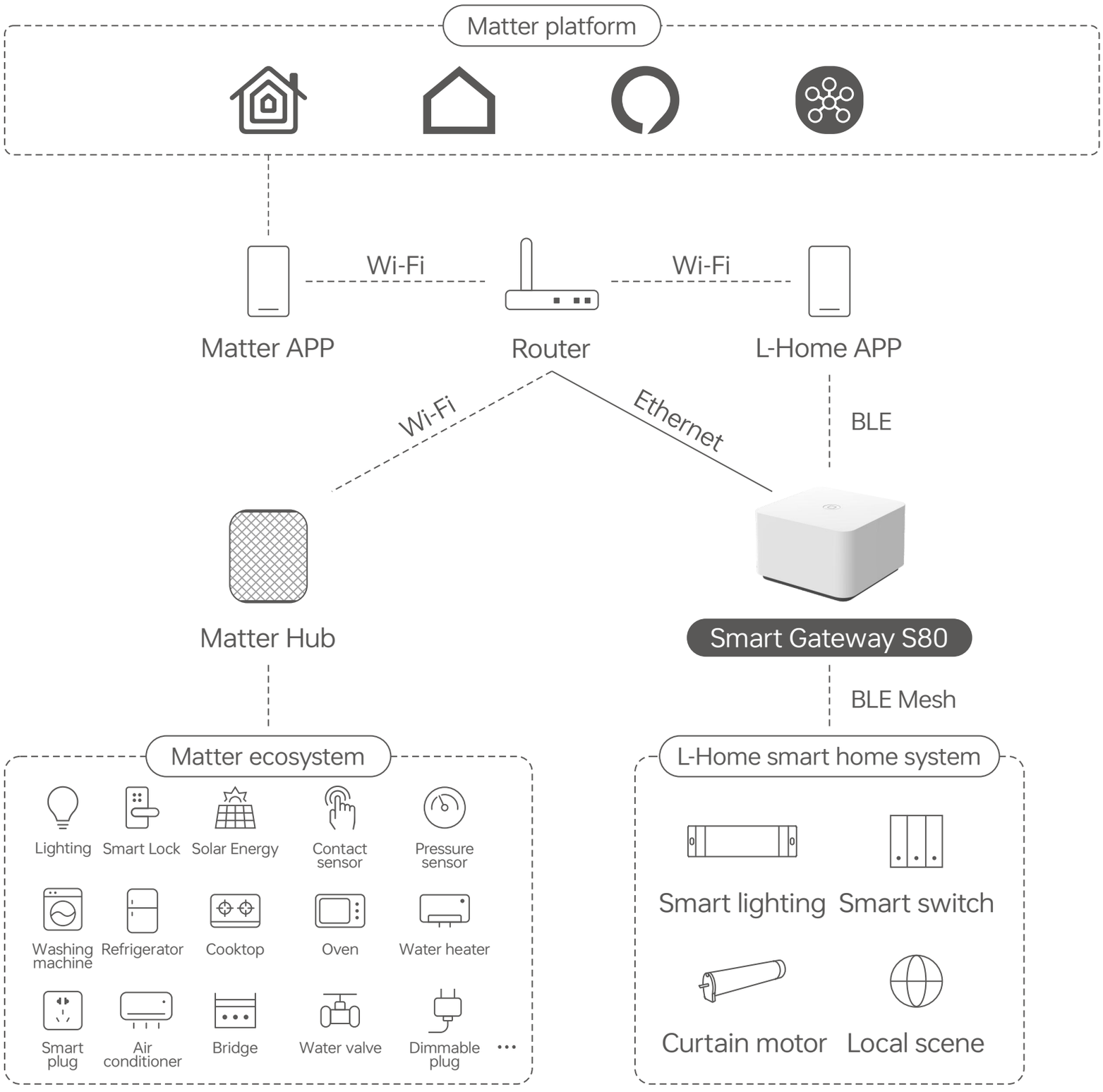
* Both HomeKit and Matter each support a maximum of 50 connected devices. We recommend using only one protocol; simultaneous use of both will reduce the number of stably controllable devices.

Bluetooth® FC CE RoHS SRRC

HomeKit System Diagram



Matter System Diagram



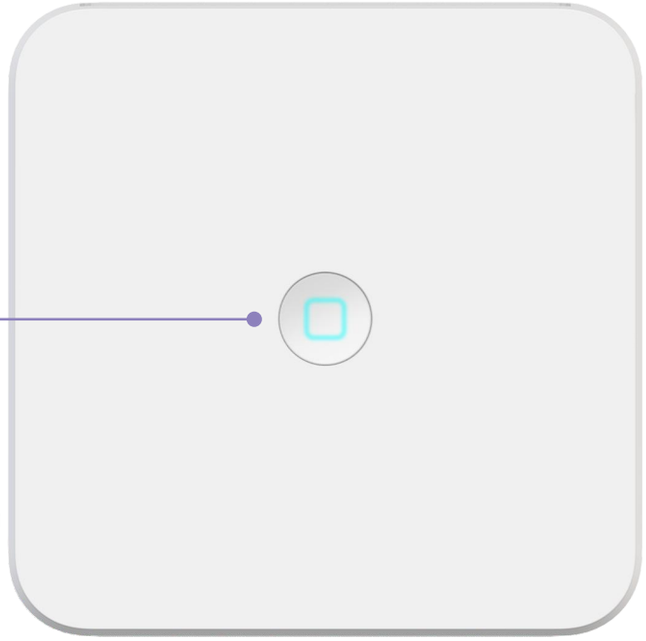
Product Diagram

Indicator light:
Operation: Short-press power button

①White Solid:
Network configured successfully

②White Breathing:
Waiting for network configuration

③White Slow Blinking:
Network not configured



Reset button

Power cable port

Ethernet port

*Reset Button: Press and hold the reset hole with a pin for 6 seconds. When the indicator light flashes rapidly, it means factory reset is in progress. When the indicator light turns to breathing mode, it indicates reset is completed and the device is waiting for network access.

App Operating Instructions

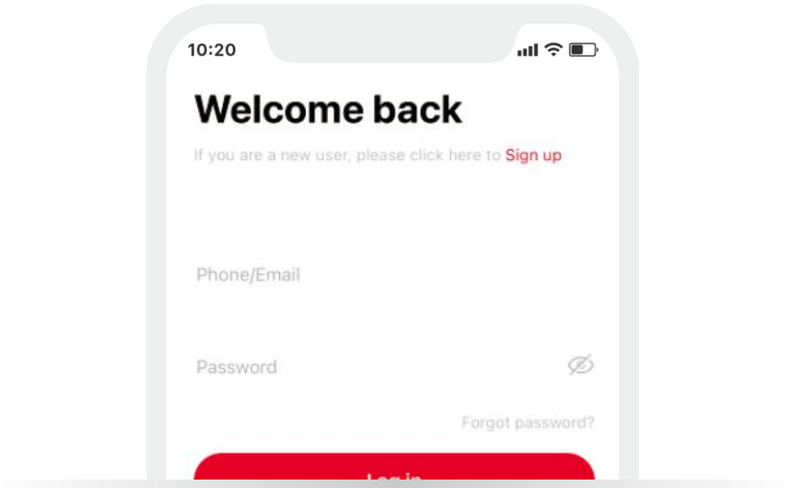
1. Register an account

1.1 Scan the QR code below with your mobile phone and follow the prompts to complete the app installation.

Scan and download the App

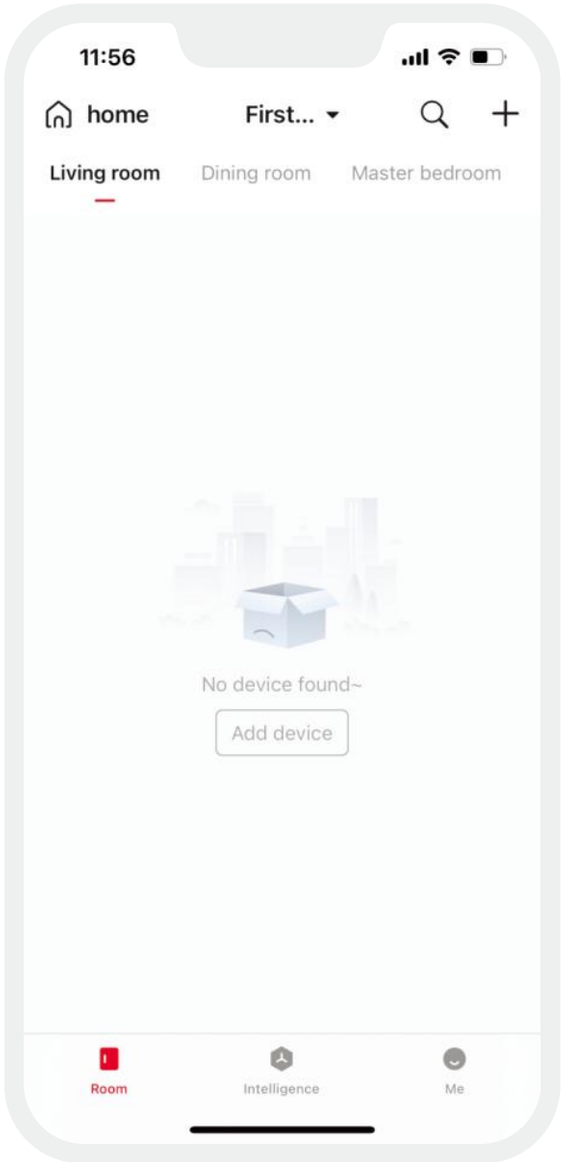
iOS/Android

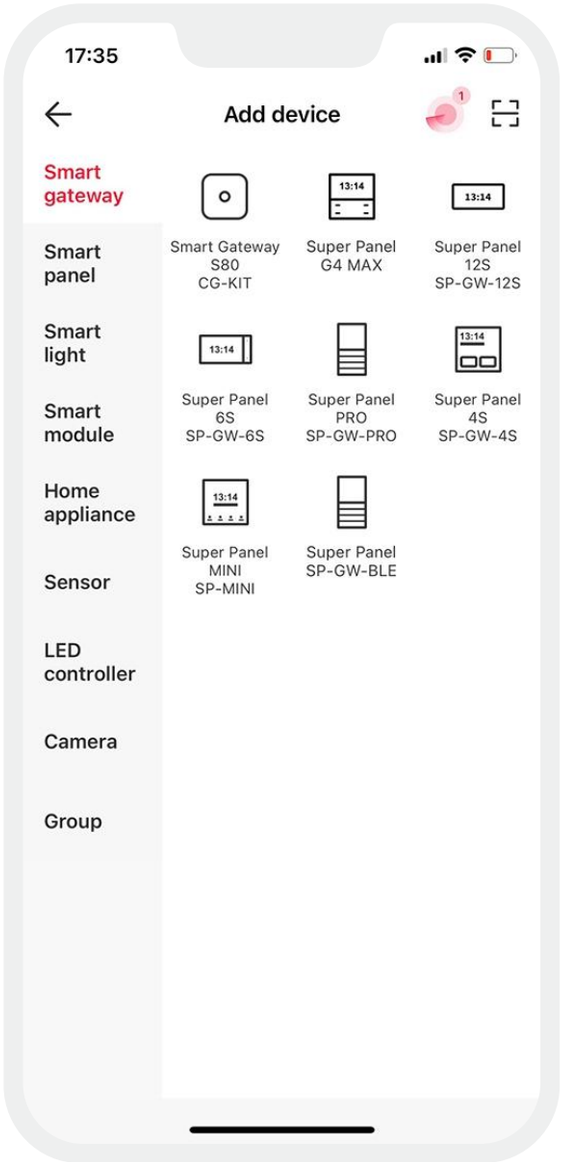
1.2 Open the app to log in/register.



2. Configure

After a new user creates a home, click the "+" in the top-right corner to open the device addition list. Select "Smart Gateway - Smart Gateway S80", then power on the device and plug in the network cable to ensure it is in an unnetworked state. Next, click "Bluetooth Search" and follow the prompts to complete device addition.





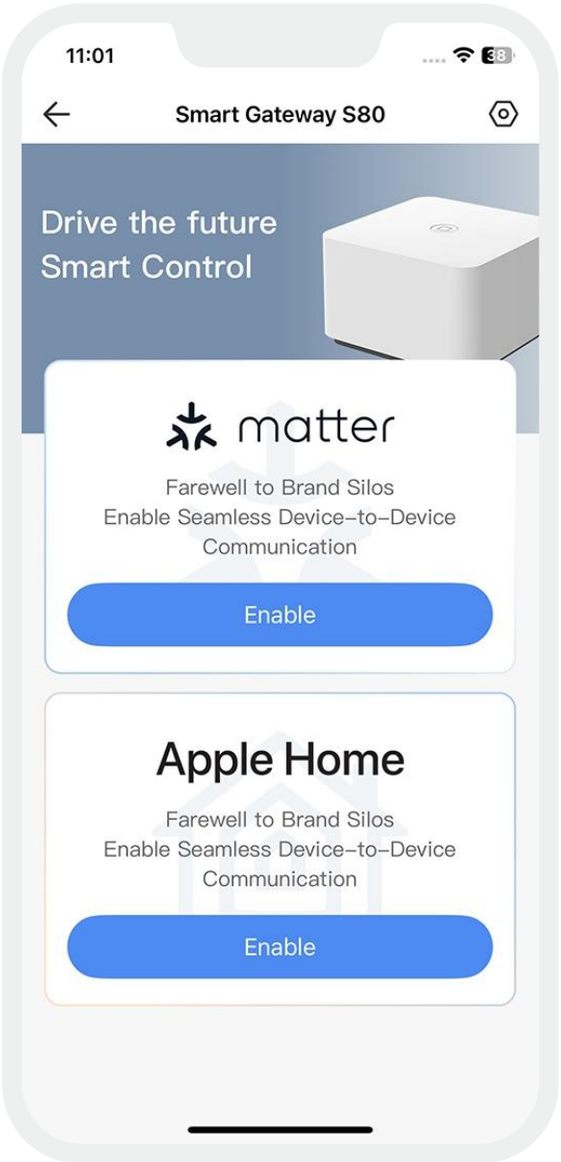
3. Operation Guide for Linking with Apple Ecosystem

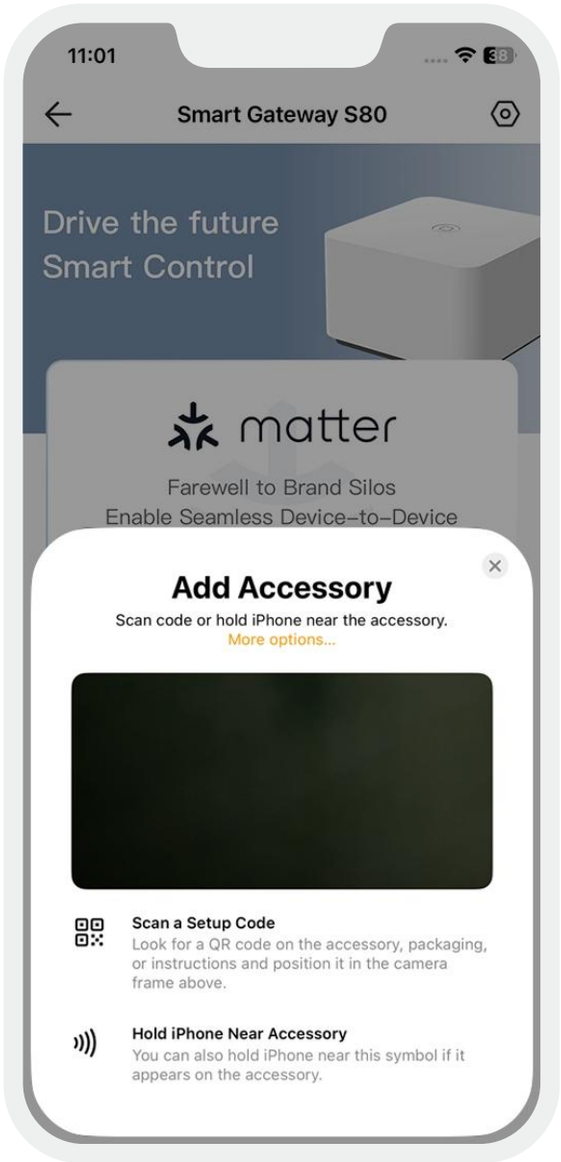
3.1 Add Accessory to Apple "Home"

After successful network configuration, follow the prompts to add the accessory to Apple "Home".

Note: Scanning the QR code to pair with Apple "Home" must be completed within 10 minutes.

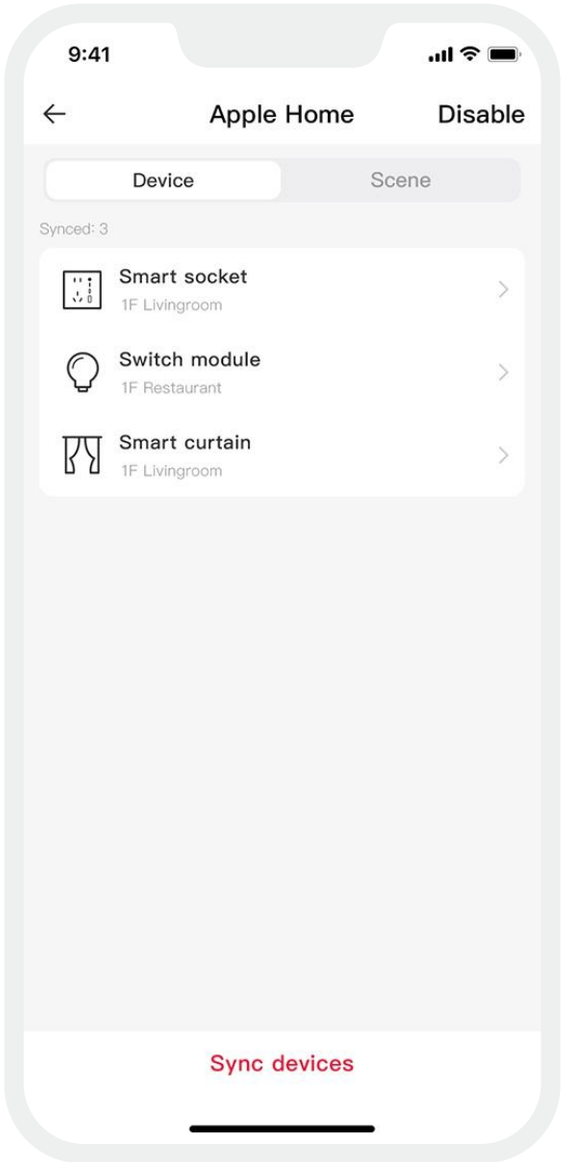
If linking fails, please restart the device.

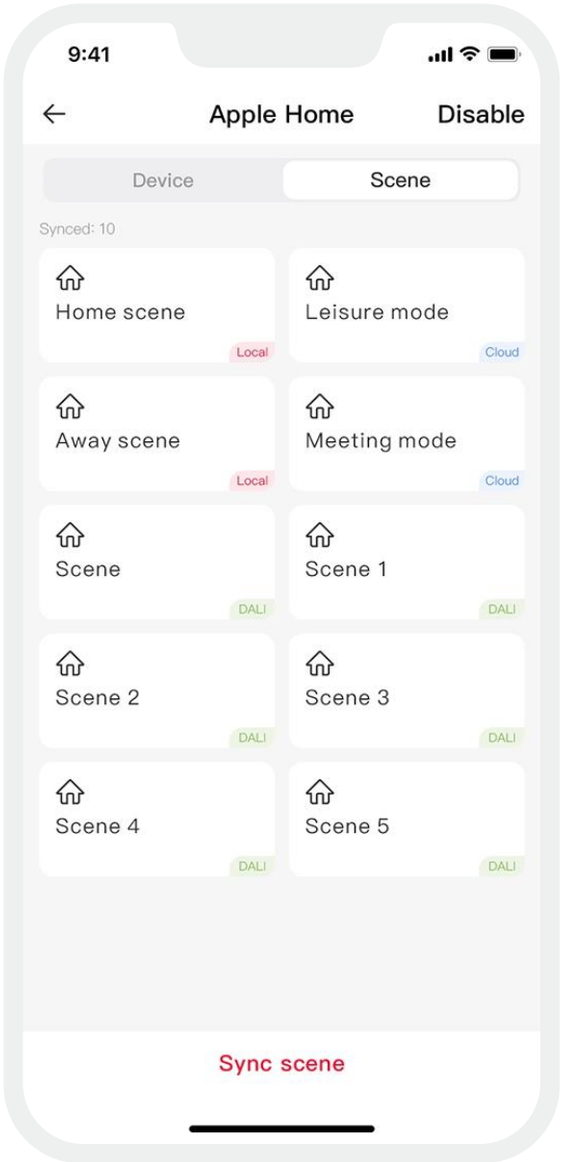




3.2 Sync Devices/Scenes to Apple "Home"

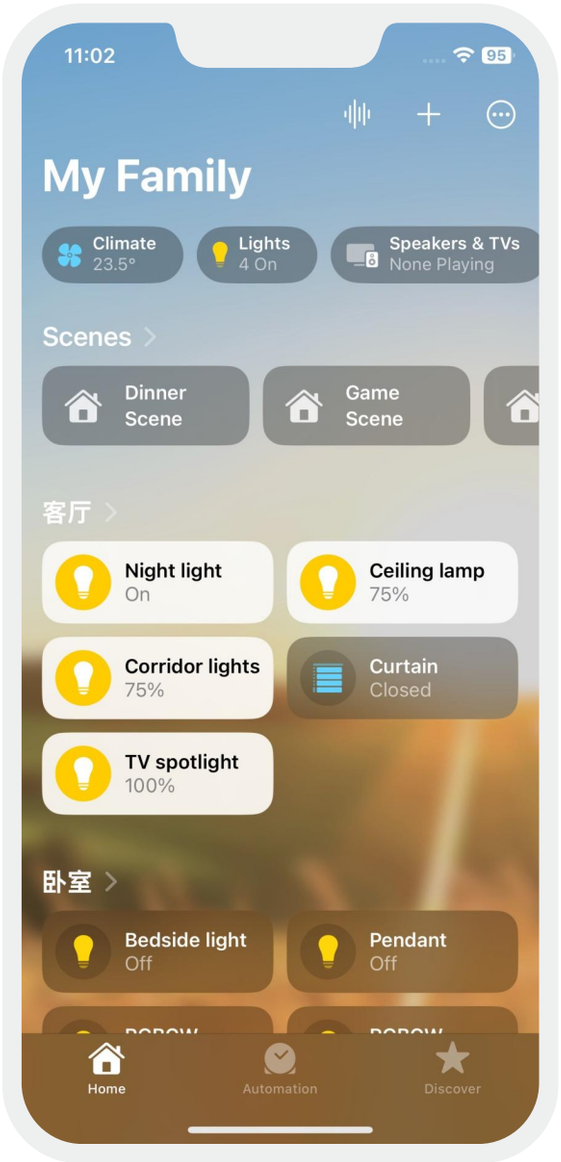
With the Smart Gateway S80, users can use Siri or the "Home" App on iPhone, iPad, Apple Watch, and Mac to control the devices/scenes in L-Home that have been synced to the "Home" App.

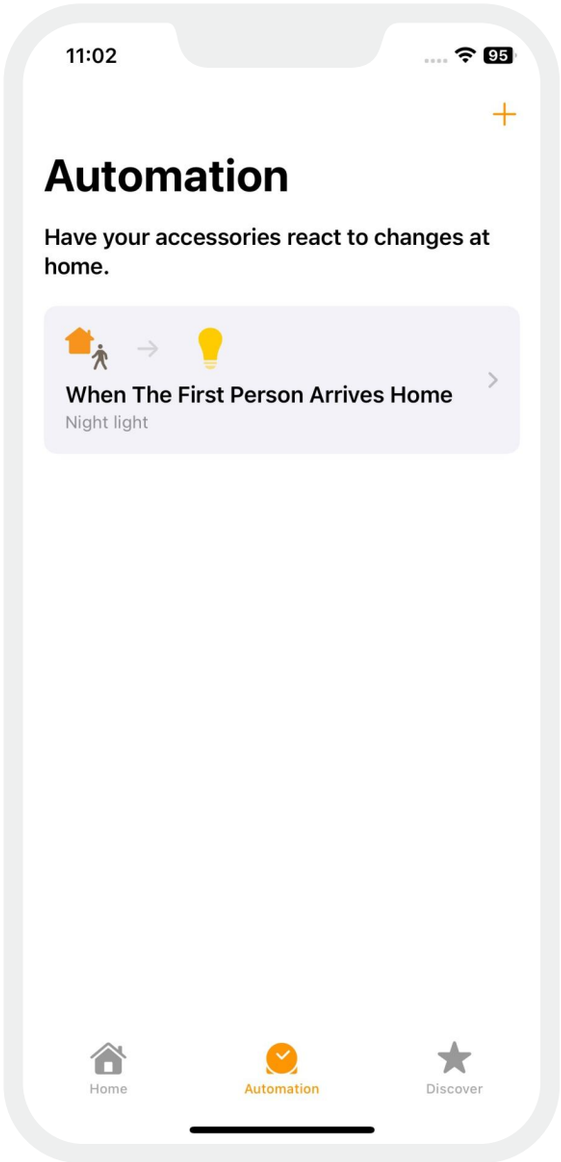




3.3 Smart Linkage in Apple "Home"

After the device is synced to the Apple "Home" App, you can control the devices and check its status in the App, and control smart devices via Siri voice commands. Additionally, it supports connecting to HomePod and Apple TV to enable automation and remote control functions.



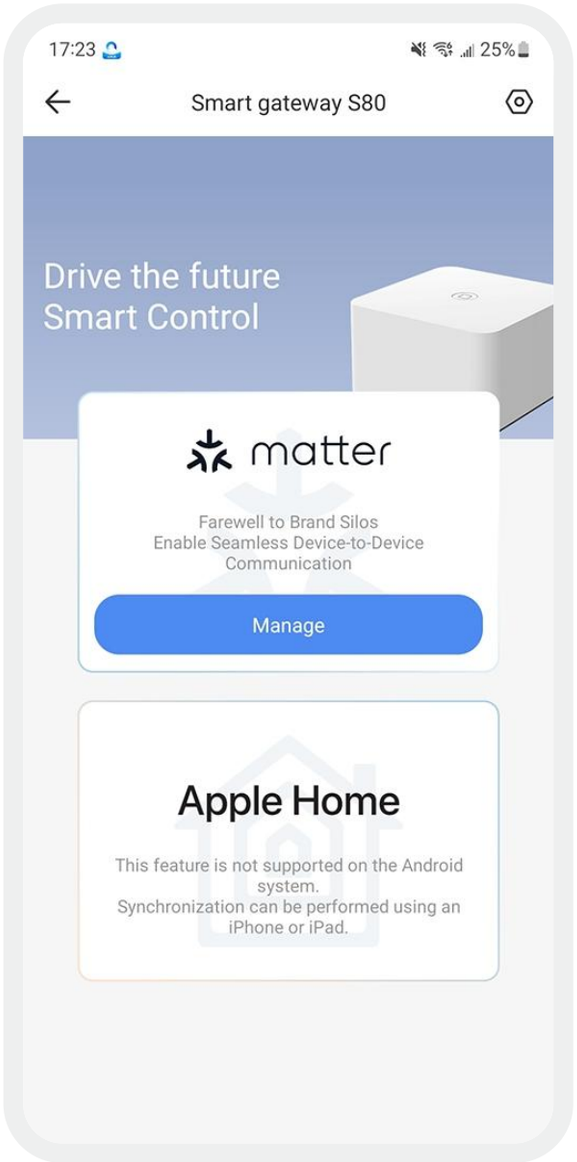


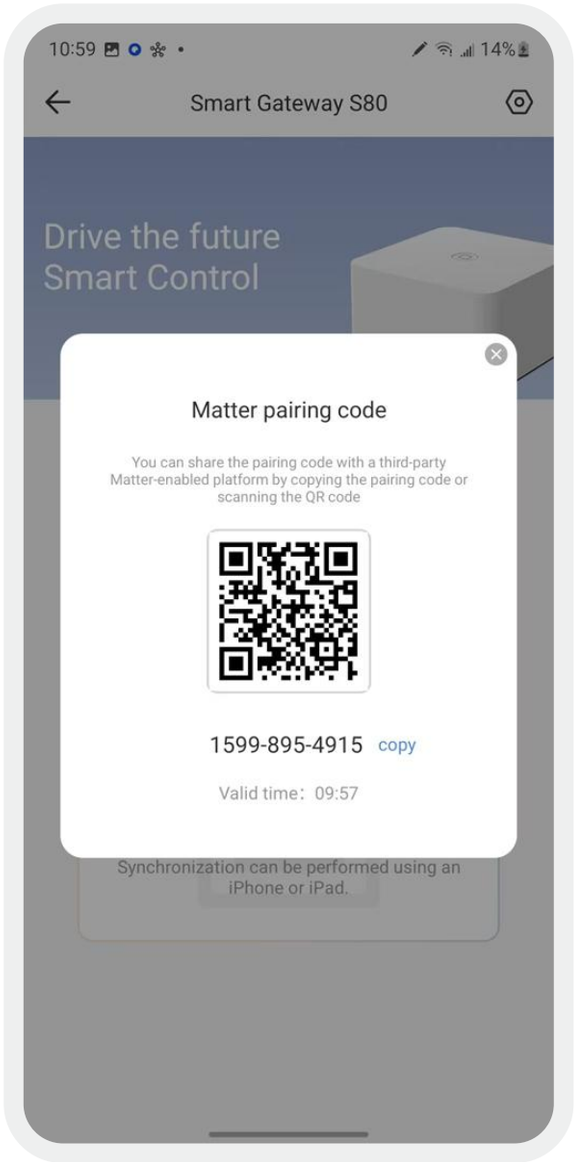
4. Operation Guide for Linking with Matter Ecosystem

4.1 Enable Matter

After successfully adding the Smart Gateway S80, click "Enable" to get the Matter pairing code.

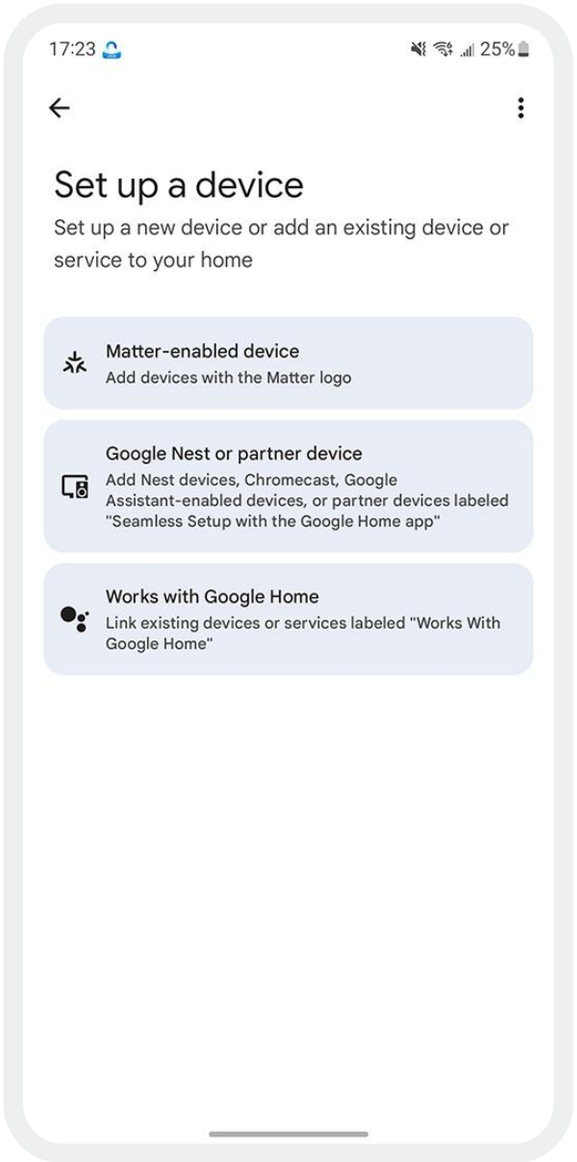
Note: The Matter pairing code will expire after 10 minutes; if expired, you can refresh to obtain a new one.

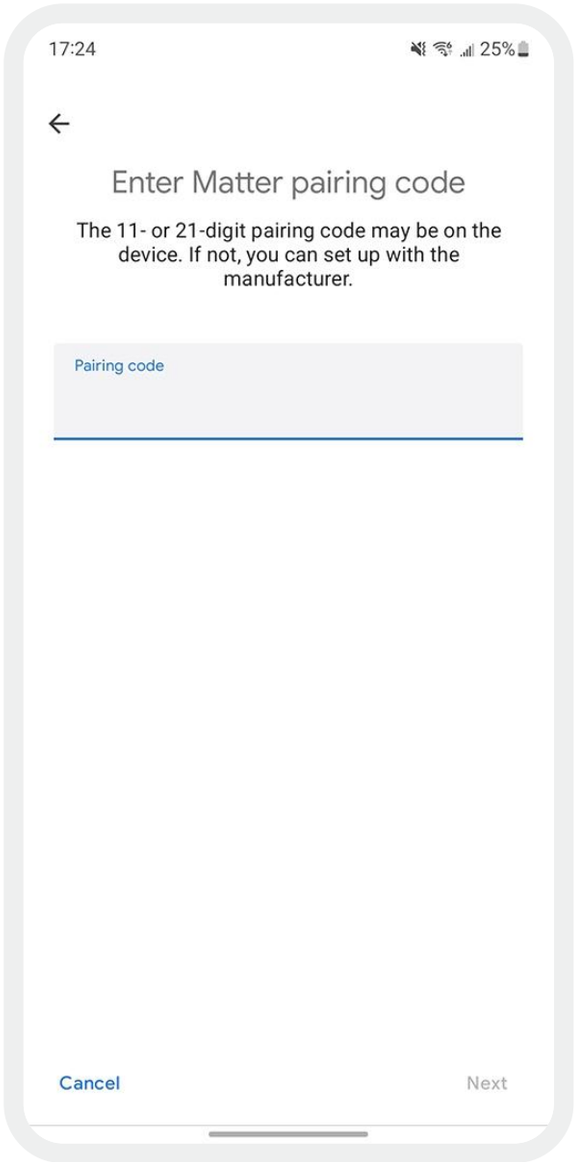




4.2 Bridge the Gateway to Third-Party Platforms

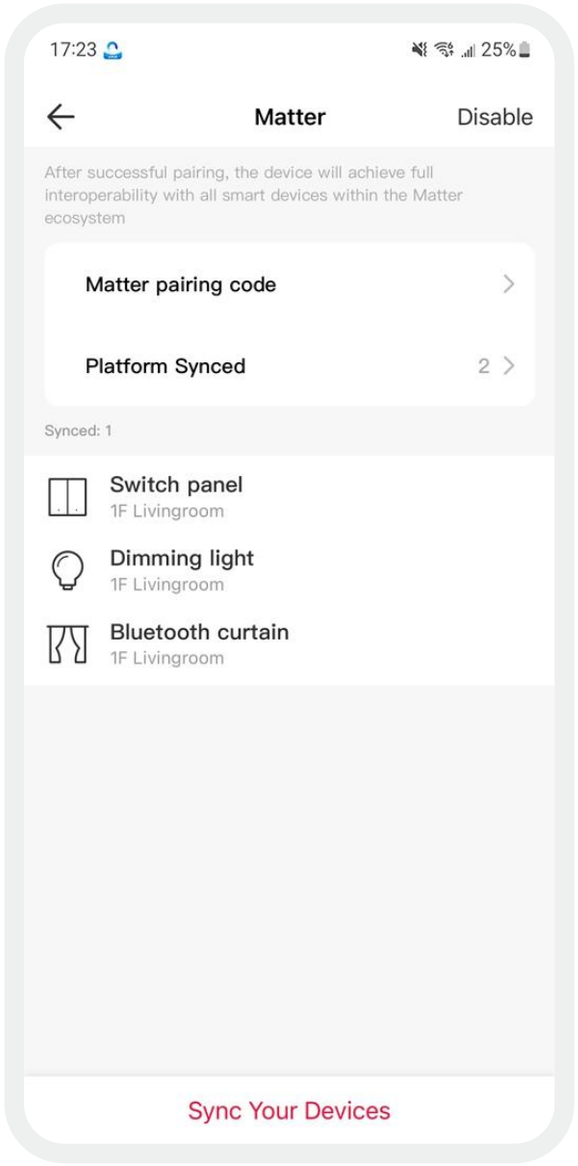
Use a third-party Matter App to scan the Matter pairing code or enter the 11-digit or 21-digit pairing code to complete device addition. Third-party platforms such as Apple Home, Amazon Alexa, Google Home, and SmartThings are recommended. Please prepare the corresponding platform's Matter Hub in advance and ensure the Matter Hub and your phone are on the same local area network (LAN).

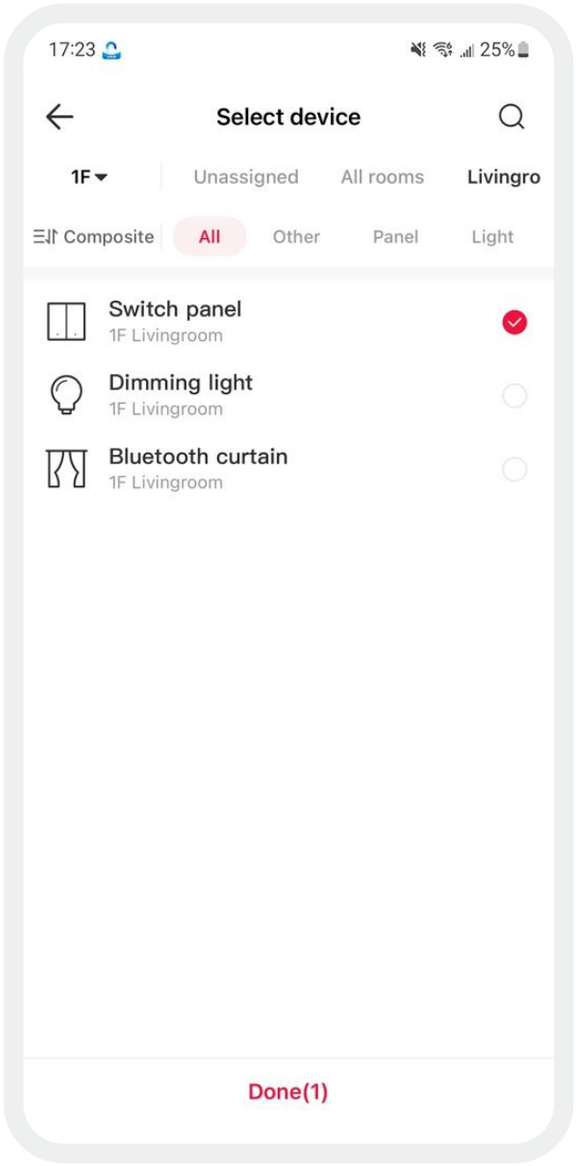




4.3 Manage Devices/Scenes Synced to Third-Party Matter Platforms

With the Smart Gateway S80, users can bridge L-Home Bluetooth devices to third-party Matter ecosystems.





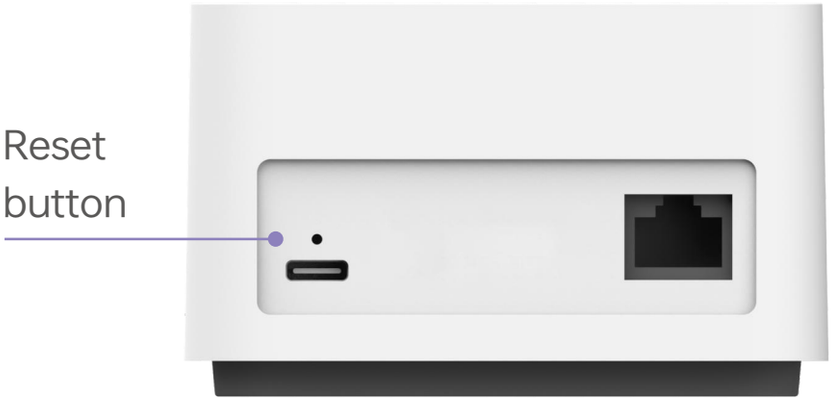
Factory Reset

Method 1:

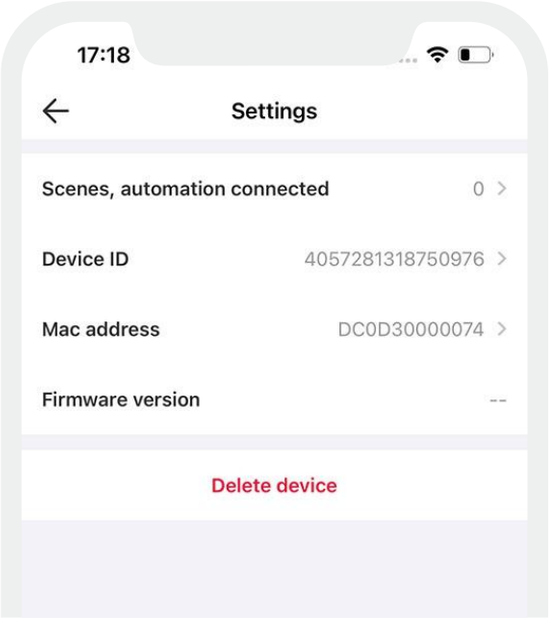
First, confirm the device is properly powered on and connected to the network via an Ethernet cable. Then press and hold the reset hole with a pin for 6 seconds. When the indicator light flashes rapidly, it means factory reset is in progress. When the indicator light turns to breathing mode, it indicates the reset is completed and the device is ready for network access.

Method 2:

First, confirm the device is properly powered on and in a networked state. Then open the L-Home App, use the home account that added the gateway to find the device and enter its settings page. Click the "Delete Device" button. When the interface shows "Deletion Successful", it means the device has been successfully restored to factory settings.



Method 1



Method 2

FAQs

This product is designed in compliance with the Matter protocol standard. As the protocol is still in the early stage of industry development and limited by the current version, some functions, performance and network connection stability may be subject to further optimization.
Product performance is subject to the current version of the Matter protocol. Our company will continuously upgrade and optimize product functions and performance in line with official updates. Please kindly note.

1.What should I do if HomeKit pairing fails?

1.1 Prompt: “Failed to add accessory”.
Due to multiple adding failures, the error information of iOS cache cannot be removed. Please restart the iOS device and reset the smart gateway.

1.2 Prompt: “Accessory already added”.
After restarting the iOS device and reset the smart gateway, you can manually enter the HomeKit setup code and add it again.

1.3 Prompt: ”Accessory not found”.
Please wait for 3 minutes after resetting the smart gateway. You can manually enter the HomeKit setup code and add it again.

1.4 Prompt: "Accessory cannot connect"
Please reset the accessory via its reset button and re-add the accessory before trying again.

2.Can the device be added to both HomeKit and Matter simultaneously?

Yes, but for more stable network, it’s recommended to use only one method per device. For Apple users, HomeKit is preferred; for Android users, Matter is preferred.

3.What should I do if the large number of Matter devices managed by the Matter hub gateway causes unstable connections and control?

3.1 It is recommended that each hub gateway add no more than 40 Matter devices.

3.2 It is recommended that the hub gateway remain powered on at all times; otherwise, the device reconnection time will be long.

3.3 Routers of different brands and performances have a certain impact on the number of devices managed by the Matter hub. It is recommended to choose a high-performance router

4.Common reasons for failed device addition caused by router issues.

4.1 The router must have the IPv6 option enabled.

4.2 The router must have the "Brute-force network attack prevention" option disabled.

4.3 Do not connect to the guest Wi-Fi; connect to the main Wi-Fi network instead.

Attentions

- To ensure stable operation of the product, the current of the power adapter must be ≥ 1A (USB-A).
- Product installation and commissioning should be done by a qualified professional.
- LTECH products are and not lightningproof non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a waterproof enclosure or in an area equipped with lightning protection devices.
- Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- Avoid installation in minefields, strong magnetic field areas, and high-voltage areas.
- Before you power on the product, please make sure all the wiring is correct.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

Warranty Agreement

- Warranty periods from the date of delivery: 2 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:
Following conditions are not within the guarantee range of free repairing or replacement services:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release inwritten form shall prevail.

* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.