

# LTECH

## HAM-BLE Home Appliance Module



### Manual

[www.ltech-led.com](http://www.ltech-led.com)

## Product Introduction

Home appliance module converts Bluetooth 5.0 SIG Mesh signal to IR/ RF 433 signal.

With it, you can control your any IR home appliances like air conditioner, TV, fan, etc. You can also control your RF devices like electric curtains, electric clothes aier, etc.

The online database covering over 8000 home appliance brands is updated automatically and regularly, and enables module compatibility with more than 95% of infrared home appliances on the market.

A wide variety of cloud scenes and automation can be achieved by connecting it to a gateway, suitable for different activities in your smart home.

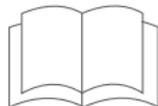
## Package Contents



Home appliance module ×1



USB cable ×1



Manual ×1

## Technical Specs

Product name: Home Appliance Module

Product model: HAM-BLE

Input voltage: 5Vdc --- 1A

Wireless protocol type: Bluetooth 5.0 SIG Mesh

Radio frequency (RF): 433MHz

Infrared frequency: 38KHz

Working temperature: -20°C~ 60°C

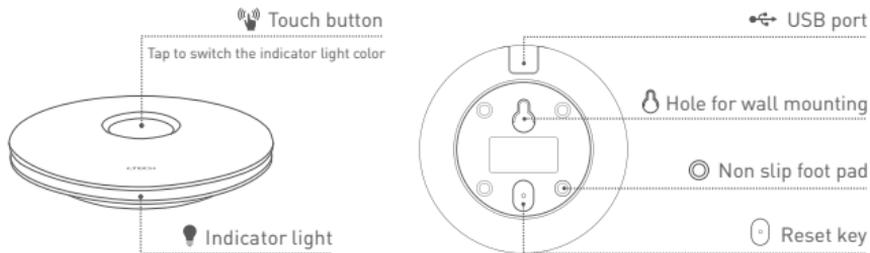
Dimensions(LxWxH): 109x109x25mm

Package size(LxWxH): 115x115x52mm

Net weight: 115g

Gross weight: 235g

## Product Overview

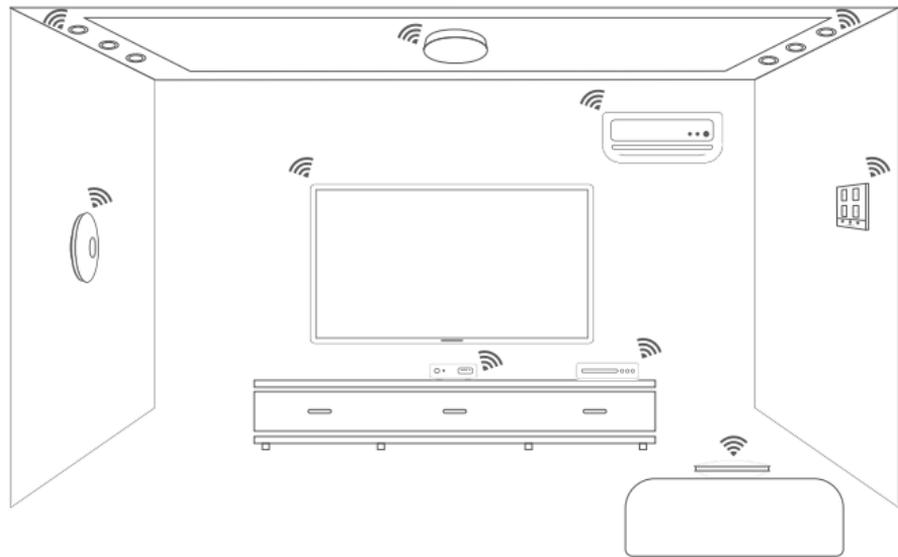


Indicator light (Customize its color in APP or tap the button to switch color)

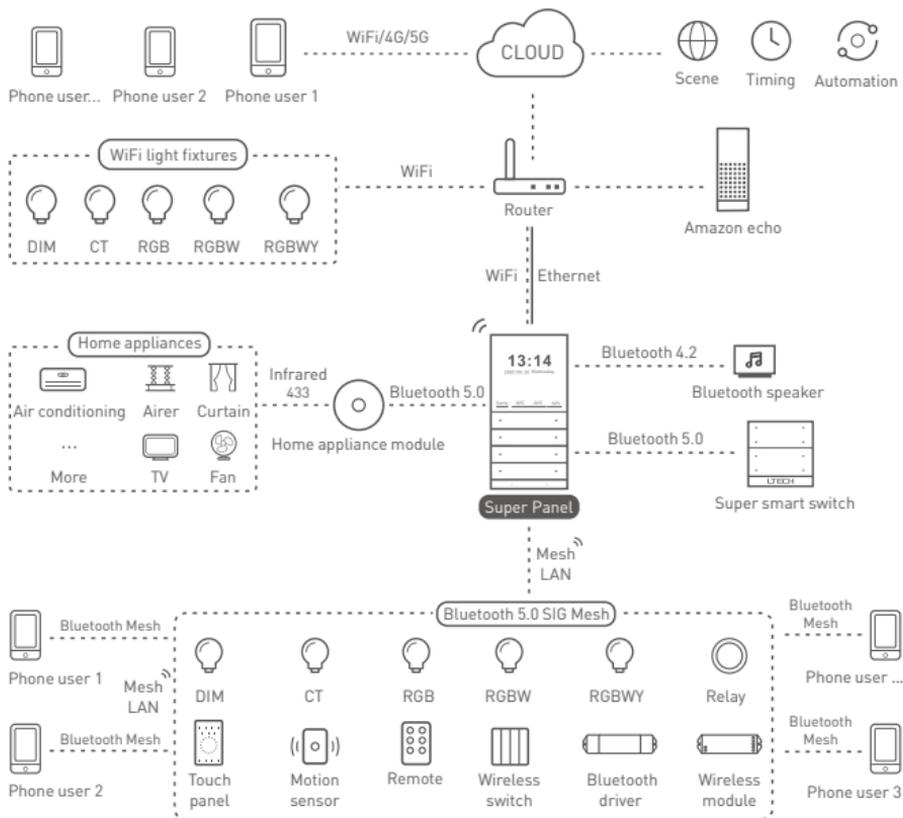
- Pairing via Bluetooth: Indicator light flashes yellow.
- Paired successfully via Bluetooth: Yellow indicator light stays on.

## Placement Suggestions

1. If you use the RF remote function, please install the module in a central location within the home so as to spread the RF signal all around your home.
2. If you use the infrared remote function, please install the module in spacious and open space, and avoid obstructions around the module (glass excepted). The infrared devices you control should be arranged in the same room, where the straight line distance between module and infrared devices required is within 13 meters to ensure great signal delivery.

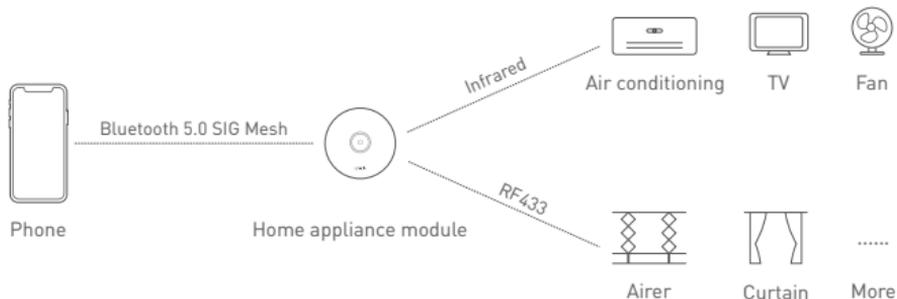


# System Diagram

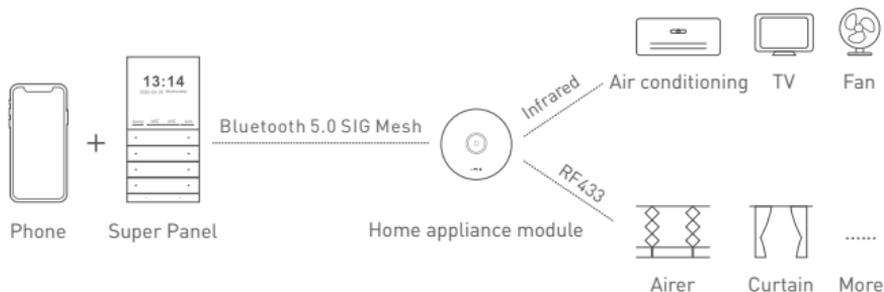


## Applications

Local control: Phone + Home appliance module → IR/RF 433 devices.



Remote control: Phone + Super Panel + Home appliance module → IR/RF 433 devices.



# App Operating Instructions

## 1. Register an account

Scan the QR code below with you mobile phone and follow the prompts to complete the App installation. Open the App to log in or register an account.



## 2. Network connection

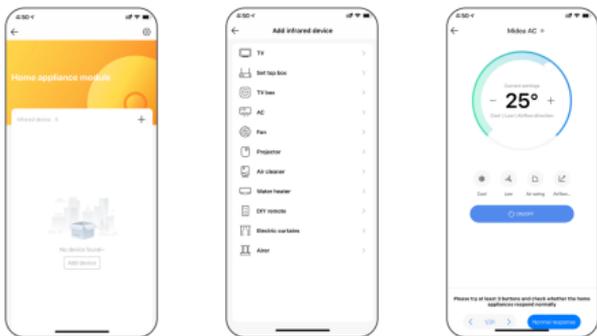
Long press the “Reset key” on the module for 6s to put it ready to connect the network, and the indicator light flashes yellow at this time.

Create a home if you are a new user. In the “Room” interface, click **[+]** icon in the upper right corner to access the **[Add device]** list and pick **[Home appliance module]** , then tap **[Search via Bluetooth]**. When the home appliance module is found, tap **[+]** icon to add it and modify the device information, then tap **[Save]** .



### 3. Control interface settings

In the "Room" interface and click **[Home appliance module]** to access the control interface. Click **[Add device]** to add infrared devices. Follow the prompts in APP to select your infrared home appliances according to the types and brands.

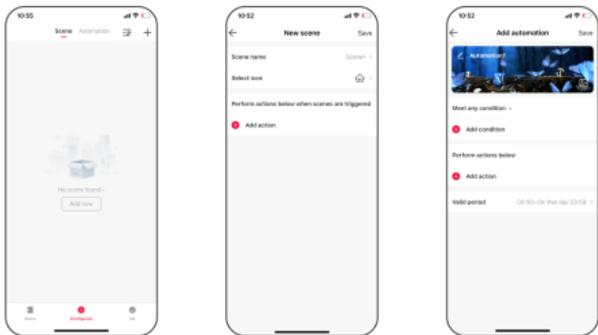


### 4. Remote control and automation

Please add a gateway first, such as Super Panel.

Scene: Switch to "Intelligence" interface and click **[+]** icon in the upper right corner to create a scene. Tap **[Add action]** to set up the action the device performs. After saving your setting, switch back to the **[Intelligence]** interface and click this scene to perform the action and achieve remote control.

Automation: Switch to "Intelligence" interface and click **[+]** icon in the upper right corner to create automation. Tap **[Add condition]** to set the trigger conditions and tap **[Add action]** to set the executing action or set linkage with other devices, then save your automation setting. When the conditions you set are met, a series of device actions will be triggered to perform automatically.



## Reset device (Reset it to factory defaults)

Method 1: In “Room” interface, click **[Home appliance module]** to access its control interface and tap **[⊞]** icon to go to settings, then tap **[Delete device]** . When the indicator light flashes yellow, it means the device has been removed from the network.

Method 2: Long press the “Reset key” for 10s. When the indicator light flashes yellow, it means the device has been reset to factory defaults.

### **Note: What should I do if I always fail to search the device?**

- ① Please make sure the device is powered on normally and is in the activated state;
- ② Please keep you mobile phone and device as close as possible. The recommended distance between them is no more than 15 meters;
- ③ Please make sure the device hasn't been added yet. If it has, please reset the device to factory defaults manually.

## Attentions

- This product must be installed and adjusted by a qualified professional.
- Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- When you install this product, please avoid being near a large area of metal objects or stacking them to prevent signal interference.
- Please check whether the working voltage used complies with the parameter requirements of the product.
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.

## 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:**

- 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 in written form shall prevail.