

LTECH

HAM-WF Home Appliance Module



Manual

For more information, please visit our website
www.ltech-led.com

Product Introduction

Home appliance module is an intelligent controller that converts WiFi signal to infrared and RF433 signal. Remote real-time control can be realized over WiFi, 4G/5G network and the latest firmware version can be upgraded remotely. Using the home appliance module, you can control electric curtains, electric airers and other RF devices. Also, you have your infrared devices under control from air conditioning to TV and fan. With a online database of 8000+ home appliance brands updated automatically and regularly, it is compatible with more than 95% infrared home appliances in the market, which supports cloud scenes and automatic control to meet smart home applications.

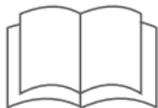
Package Contents



Home appliance module×1



USB cable ×1



Manual ×1

Technical Specs

Product name: Home Appliance Module

Product model: HAM-WF

Input voltage: 5Vdc \equiv 1A

Wireless protocol types: WiFi IEEE 802.11 b/g/n

Radio frequency (RF): 433MHz

Infrared frequency: 38 KHz

Working temperature: -20°C~ 60°C

Dimensions(LxWxH): 109x109x25mm

Package size(LxWxH): 115x115x52mm

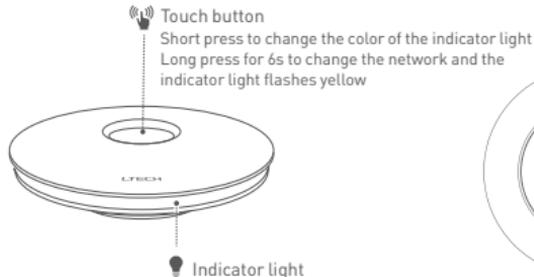
Net weight: 115g

Gross weight: 235g

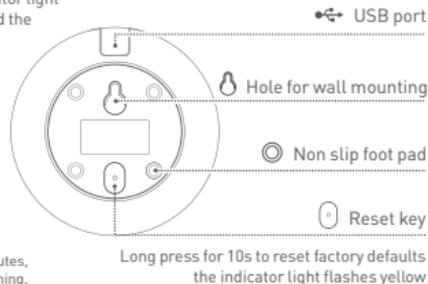
Function Description

Indicator light status

-  Not configured WiFi network , the indicator light flashes yellow.
-  Configured WiFi network but failed to connect it , the indicator light flashes red.
-  Configured WiFi network and connected successfully, the indicator light is normally on.



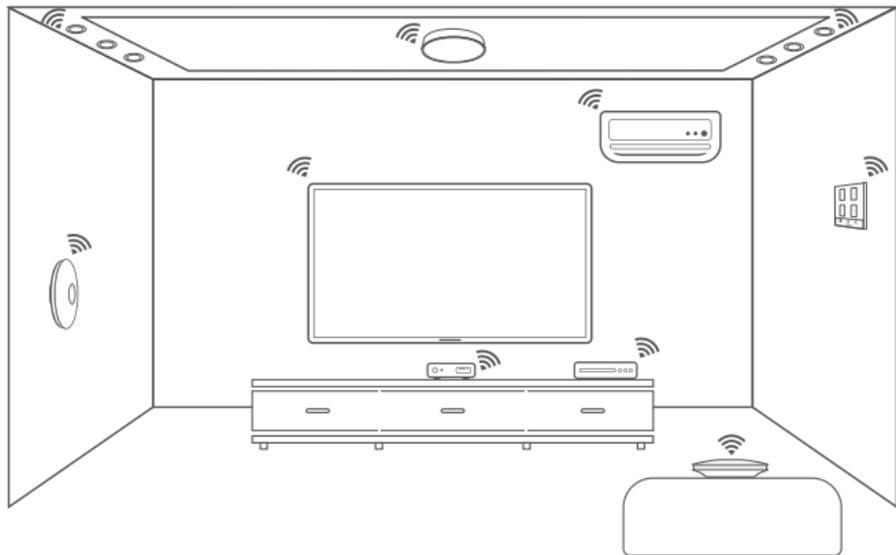
If the home appliance module fails to change the network within 2 minutes, it will connect to the original network and the indicator light will stop flashing.



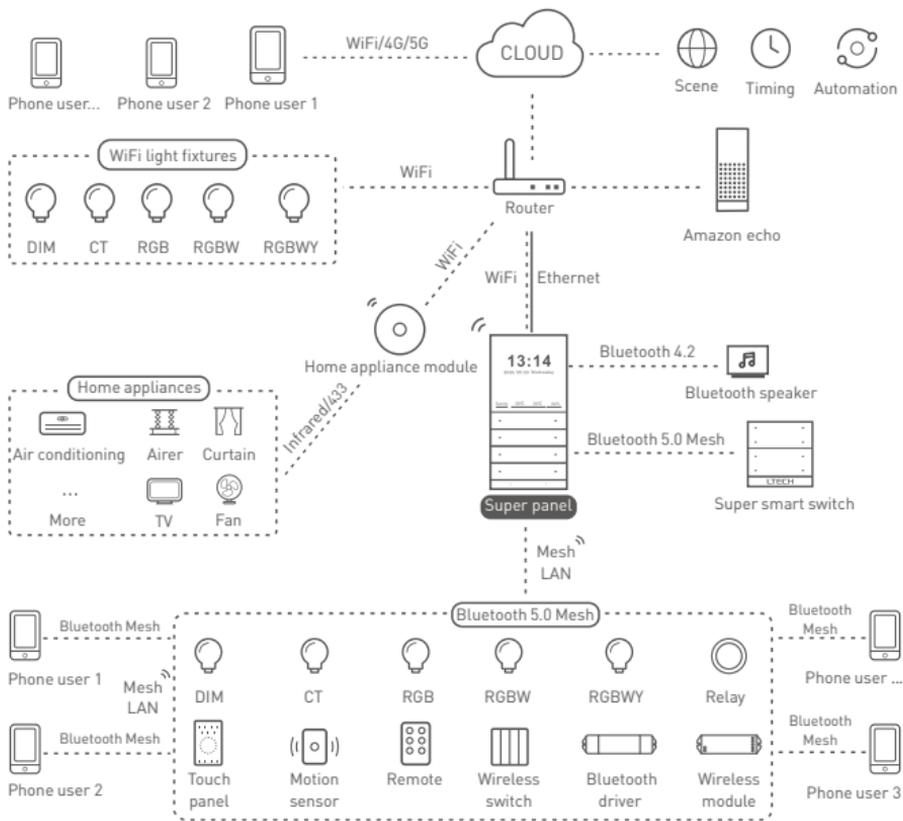
• Red • Yellow • Cyan • Purple • Black (Turn off) • Pink • Citrine • Blue • White

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.

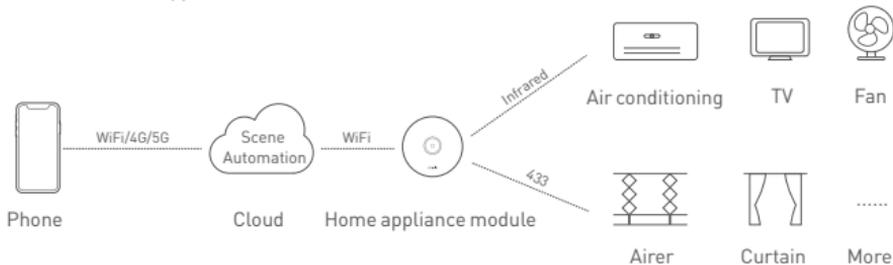


System Diagram

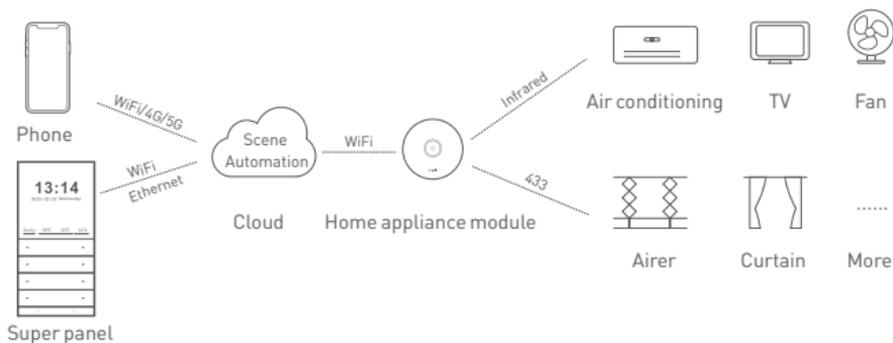


Applications

1. Phone + Home appliance module → Infrared, 433.



2. Phone/Super panel + Home appliance module → Infrared, 433.



App Operating Instructions

1. Register an account

The App is available on iOS or Android devices. 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.

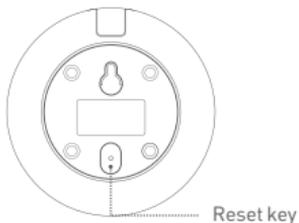


2. Pairing instructions

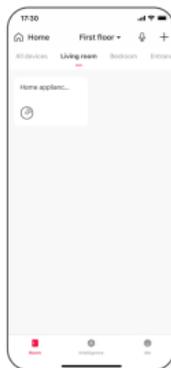
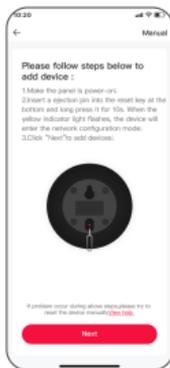
2.1 Create a home if you are a new user. In the **【Room】** interface, click **【+】** icon in the upper right corner to access the **【Add device】** list, then pick **【Home appliance module】** .



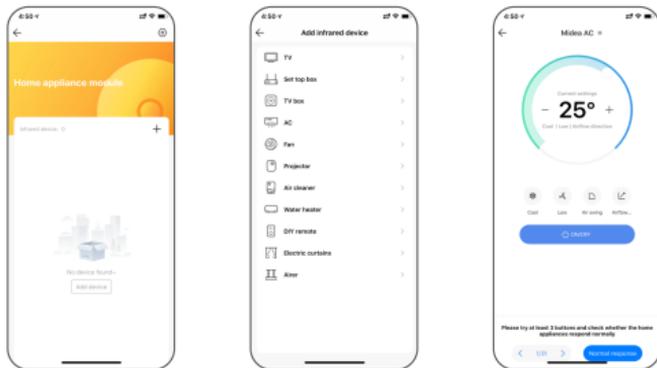
2.2 Power on home appliance module and connect it to the router when the indicator light is flashing yellow (If the yellow indicator light does not flash, please long press the reset key for 10 seconds).



2.3 Follow the prompts and click **[Next]** to enter your WiFi password. When the indicator light keeps on, it means the device is configured the network successfully.



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



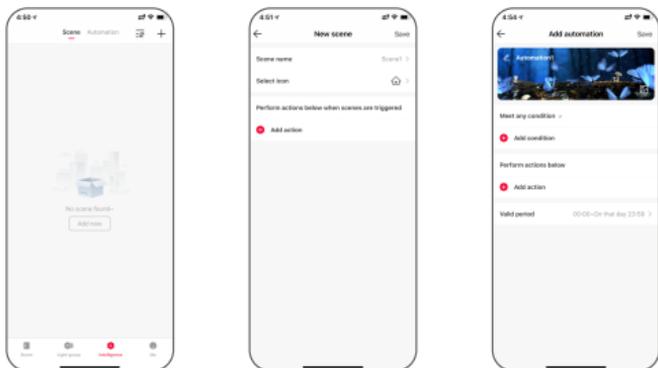
3. Remote control and automation

3.1 Please add a gateway device, such as Super Panel.

3.2 Scene: Switch to **Intelligence** interface and click **+** in the upper right corner to create a scene. By clicking **Add action**, you'll be able to set up the action the device performs. After you complete the settings and click **Save**, click **Scene** in the **Intelligence** interface to perform the action and achieve remote control.

3.3 Automation: Switch to **Automation** interface and click **+** in the upper right corner to create an automation. By clicking **Add condition**, you'll be able to set up the trigger conditions so as to control the home appliance module remotely. Clicking **Add action** enables you set up the action the device

performs and you can also add other devices to achieve linkage. After you complete the automation settings and click **【Save】**, the infrared home appliances controlled by the home appliance module will automatically perform the actions you set when the trigger conditions are met.



FAQs

1. What are Android & iOS system requirements for running this home appliance module?
Support Android 5.0 or higher operating system; iOS 11.0 or higher operating system.
2. How to change your WiFi router?
Go to the home appliance module settings and select **【Change Network】**, then follow the prompts to change the WiFi network.
3. If the module fails to configure the network, please check below again.
 - The module does not support 5G network.
 - Make sure the device is powered on normally and is into the network configuration mode.

- The module does not support the hidden network.
- Make sure your mobile phone, device and router are as close as possible.
- You might have too many devices on your WiFi network.
- Make sure you enter the correct WiFi password and your WiFi network goes smooth.

Attentions

- Products shall be installed by qualified professionals.
 - Good heat dissipation will extend the working life of products. Please ensure good ventilation.
 - Please check if the working voltage used complies with the parameter requirements of products.
 - If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.
- * 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.

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.

LTECH



www.ltech-led.com