

GS-THWIR
Infrared Wifi AC Thermostat



GS-THWIR is a WiFi based thermostat which is compliant to WiFi-to-IR bridge to control split air conditioner by receiving WiFi command and converting to Infrared command.

GS-THWIR can control various brands and models of air conditioner globally combination with the all-around built-in and cloud-stored IR database.

With distinct display, you can intuitively read the room temperature with setting buttons to have a peace-in-mind smart home control experience.

Technical Specifications

- Power Supply: 5V USB Type-C
- IR Operating Distance: < 10m
- Temperature Setting Range: 0-40°C
- Humidity Range: 0% ~ 99%RH
- Working Environment:-10~+55°C , <90%RH (Non-condensation)
- Precision: 0.1°C
- Wifi Frequency: 2.4 GHz
- IP Grade: IP20
- Dimension: 105*105*15.6 mm
- Housing: PC+ABS
- Installation: Surface Mounted

Declaration of Conformity

CE Hereby, we declare that the device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

WEEE Directive Compliance

 The device marked with this symbol should not be disposed of with household waste.It is the user's responsibility to deliver the used appliance to a designated recycling point.

Important Safety Information

- ⚠ Read the instructions before starting up the unit!
 - ⚠ This product is not a toy. Keep out of reach of children and animals!
 - ⚠ Do not expose the device to moisture, water or other liquids. Do not place liquids near or on the device!
 - ⚠ Do not attempt to disassemble, repair or modify the device yourself!
 - ⚠ This product is for indoor use only. Do not use outdoors!
 - ⚠ CAUTIONS!
- Flush-mount only into a UL/ETL/CE certified plastic junction box. The minimum size should be 65*65*45mm, minimum Volume is 190cm³. Use Copper Conductors Only.

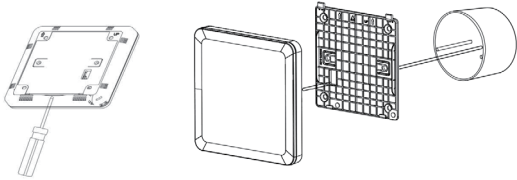
Installation

• Preparation

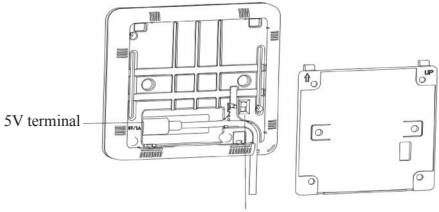
CAUTION: Cut off power supply at circuit breaker or fuse before installation to avoid fire, shock or death!

• Installation

Step 1: Separate the device into two parts: the front panel and the mounting plate.



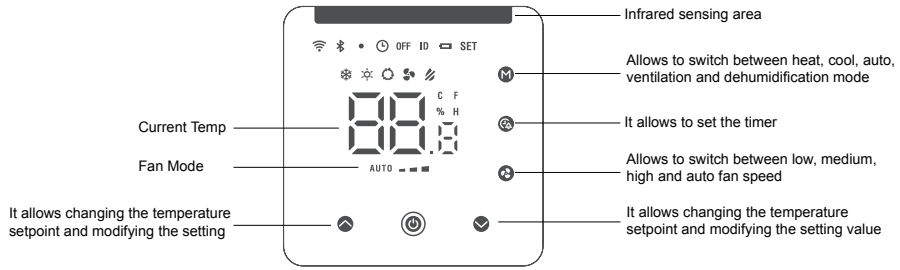
Step 2: Put 5V adapter into the junction box, insert the wire into the 5V terminal by following the wiring diagram as below.



Step 3: Secure the bottom part onto a junctionbox with screws, and then mount the front panel back.

Step 4: Confirm the device is well mounted, power on and it is ready to operate.

Display



1.  Network Indicator 2.  Bluetooth Indicator 3.  Timer Indicator 4. **OFF** Power OFF Indicator 5. **SET** Setpoint Temp

Connecting the Air Conditioner (AC)

• Match the infrared code of the air conditioner via Bluetooth

1. Download app



Scan below QR code to download the APP or click the link to download the APP by your mobile phone.

Android: <https://play.google.com/store/apps/details?id=com.mcohome.codingctrl>



ios: <https://apps.apple.com/us/app/ir-thermostat/id1582146430>



2. Connect Bluetooth to GS-THWIR

When there is no infrared code library in the device (the device has not downloaded the infrared code or the device was restored into factory setting), the device automatically enters the Bluetooth pairing mode, the Bluetooth indicator flashes, the ID number of Bluetooth is displayed on the Home page, tap any key to exit the Bluetooth pairing mode.

When the infrared code needs to be modified, long press  +  key of the device synchronously for 3seconds until the Bluetooth icon in the upper left corner flashes.

The last 3 digits of Bluetooth ID will be displayed on the screen (e.g. 123).

Click "Next" and the APP will scan Bluetooth device, and "IR2900-ZW_X123" will appear on the APP. Click on it to complete the connection. The Bluetooth icon of GS-THWIR will light up after successful connection.

3. Choose a brand of air conditioner

Enter air conditioner brand search, or manually find the corresponding brand, then click to enter the next step.

4. Pair the infrared code of the air conditioner

Place the device in front of the air conditioner as close as possible (within 7 meters). Then test 3 buttons in the APP. If the air conditioner can be correctly controlled by testing more than three keys on the APP interface, the pairing will be considered successful. If it is not working, click "Next" to go to the next remote and repeat the test until you find a successful pair.

5. Download infrared code

After you successfully pair the infrared code, click "Yes, use this" button, enter the download interface, wait for the progress bar to complete and click "Home" to complete and exit.

6. Local control test

After you download the infrared code, test the device if it can control the AC locally. If the local operation mode, fan, setting temperature etc.work with the AC normally, that means that the infrared code pairing has been downloaded successfully, and can be used normally.

• Problems that you may encounter

- 1. Some keys are not being able to control the air conditioner. Maybe the most appropriate infrared code has not been chosen, so please follow the above steps on the APP to choose another set of infrared code.
 - 2. Tried everything but couldn't control the air conditioner
- Please take a picture of the model of the remote control and the AC and send it back to the manufacturer.

• Batch download infrared code library:

- 1. If the devices has a downloaded infrared code, then restore the devices into factory setting first.
- 2. Power on multiple devices (GS-THWIR) within 5 meters from the mobile phone. All devices (GS-THWIR) enter the Bluetooth pairing mode, and the ID number of Bluetooth will be displayed on the screens.
- 3. Open the “IR thermostat” APP, click the Batch Download, select the infrared code to be downloaded, and then click Start Batch Download. The mobile APP will automatically connect the devices (GS-THWIR) and download the infrared code one by one. Keep the devices powered on and do not manually operate the devices until the download is completed. After infrared codes are downloaded completely, the device Bluetooth indicator will automatically turn off on the devices.

Functions

• Powering on the device

5V USB Type-C charge: remove the mounting plate on the back, put the charging wire into 5V USB Type-C charging port.

• Temperature Setting

- 1. Indoor temperature is displayed in the home page.
- 2. To set the temperature of current mode press  or , the “SET” icon will be displayed on the upper right side and you can adjust the temperature.

• Humidity Value Display

In the home page, long press  for 3 sec, “xx.x%” (x indicates digit)” will be displayed on the interface.It is the percentage value of current humidity.Press any key to exit.

• Timer Function

Set timer to turn off the air conditioner regularly

- 1.In the home page, short press  to enter the timer setting interface and the timer indicator icon will constantly flash.
- 2.Short press  or  to set the timer for turning off the air conditioner regularly (setting range is 0.5-24 hours).After the timer is set, short press  again to enable the timer shutdown function.The timer indicator icon will be always on.

Disable timer function

In the home page, short press  twice to disable the timer function and the timer indicator icon will disappear.

• Temperature Deadband Setting (only when the device is controlled by IR)

Long press  +  +  synchronously for 3 sec and it displays current value of deadband. Then short press  or  to adjust the value then press  to confirm and exit.

Notice:

- 1. When deadband is 0 (default value), the control logic of the device is the same as the AC remote control, that means the setting temperature on the device is the same as the AC.
- 2. When deadband is set to 1-3, the device will follow thermostat’s internal control logic to control AC’s setting temperature, in order for the indoor temperature to reach the setting temperature of the device. Note: In this mode, it is normal that the setting temperature of the device differs from that of the air conditioner, if you want to keep the indoor temperature value close to the setting temperature of the device, set deadband to 1.)

• Restore Factory Setting

Long press  +  +  synchronously for 3 sec, it displays "333" then press  for 4 times, the display will change from “333” =>“222” =>“111” =>“000” =>“OFF”, then factory restore setting succeeds.

WiFi Operation

• Download & connect to the Application

- 1. Download the mobile application **GEYER Smart** from Play Store or App Store or scan the below QR code to download the APP:



- 2. Create an account and log in to the **GEYER Smart** app.
- 3. **Add Device:** After logging into the app, select "+" in the upper right corner and "Add Device".

Activate your mobile phone's Bluetooth and start the addition process from the thermostat.

After the thermostat appears in the app, press "Add", put in your Wifi name and password and it will start a countdown to add it to the app.

Note: The thermostat can only be connected to Wifi that has a frequency of 2.4GHz and not to those that have automatic switching from 2.4GHz to 5GHz!!

• WiFi Setting of the thermostat

- 1. In the home page, long press  and  synchronously for 3 sec, if show “000” on the interface, itmeans the device is including to WiFinetwork.
- 2. If  WiFi indicator does not turn on, it means the device still not add into WiFi network, in this case, short press  once, the device will add to WiFi network (Wifi indicator will flash constantly). Then the device can be added by executing the process of adding the device on the mobile APP.
- 3. If  WiFi indicator is on, it means the device has been added to the WiFi network, then short press  once, the device will be removed from the WiFi network, if  WiFi indicator flashes constantly, it means the device has been removed from the WiFi network. If the device is added by executing the process of adding the device on the mobile APP, the device will be added in a new WiFi network.

2-Years Limited Warranty

We warrant this product to be free from defects in material and workmanship under normal and proper use for 1.5 year from purchase date of the original purchaser. We will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials.

This limited warranty does not cover any damage to this product that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormalmechanical or environmental conditions, or any unauthorized disassembly, repair or modification.

This limited warranty shall not apply if: (i) the product was not used in accordance with any accompanying instructions, or (ii) the product was not used for its intended function. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, that has not been handled or packaged correctly, that has been sold as second-hand or that has been resold contrary to Country and other applicable export regulations.

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