User Manual of Panel Heater with Built-in WIFI and Remote Thermostat
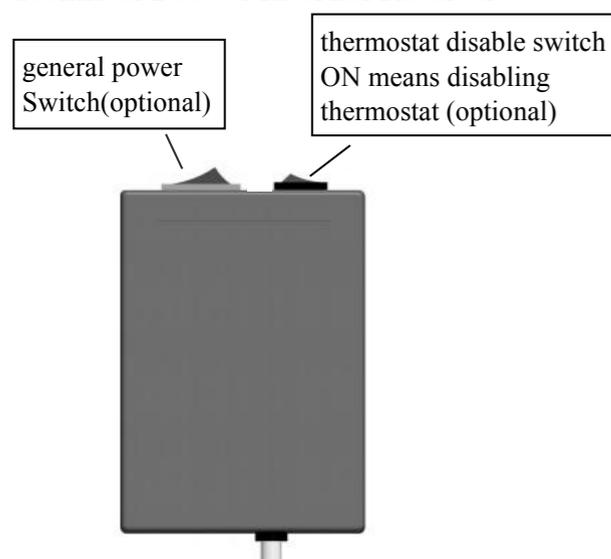
Ⅰ. Product Description

Internal WIFI thermostat are normally built in panel heaters, controlled by mobile phone through internet, function includes,

- WIFI remote control
- remote control
- temperature adjust
- weekly programme on/off and temperature setting
- count down power off
- group control
- share to other users

It works with a remote-controller which acquires room temperature and transmit signal to the heater receiver. This remote-controller has a LCD screen which can display current room temperature.

Ⅱ. Technical Data of Internal Receiver

| general power Switch(optional) | thermostat disable switch ON means disabling thermostat (optional) |

Receiver at the rear of the heater

1. Power Supply: AC220-240V
2. Wireless standard: IEEE802.11b/g/n
3. Frequency range: 2.412~2.484GHz
4. Security mechanism: WEP/WPA-PSK/WPA2-PSK
5. Encryption type: WEP/TKIP/AES
6. Standby power consumption: <0.8W
7. Working environment: temperature -5 ~ 50 ° C; humidity 10% -95%.
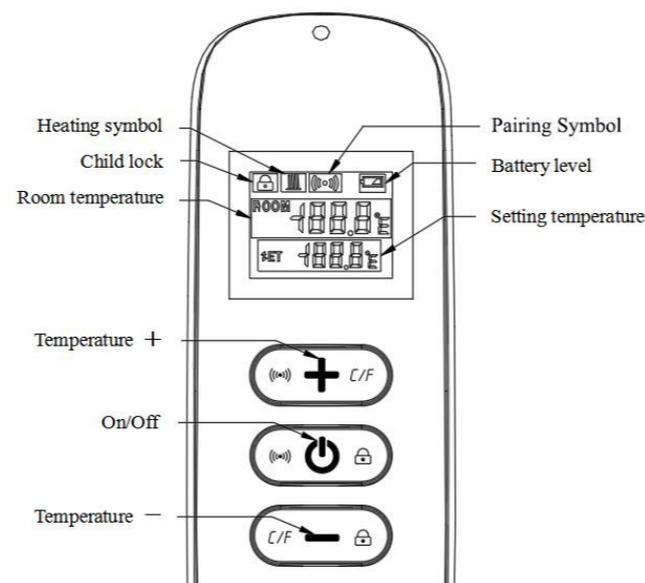
Ⅲ. Technical Data of remote-controller

1. Power supply: DC3V (2*1.5V AAA batteries, not included)
2. Power consumption: 3V 0.1mA
3. Temperature setting range:5℃~35℃
4. Temperature display range: 0℃~50℃
5. Maximum work distance: ＜8 meters
6. Dimension: 140mm×40mm×18mm
7. Weight: 40g

Ⅳ. Function of remote-controller

1. Built in receiver and remote-controller constitute the temperature control system;
2. The remote-controller is powered by 2pcs of 1.5V AAA battery. Please change with new batteries if the battery symbol gets flashing, or else the remote will not be able to control the heaters.
3. The remote-controller acquires the room temperature through the senor on the top, and send real-time temperature data to the receiver.
4. The screen can display the room temperature, setting temperature, child lock, battery level etc.
5. The remote-controller has the functions of switching heater on/off, setting temperature, temperature conversion, child lock etc.

Ⅴ. Instructions of remote-controller operation

Remote-controller

1. Power on the heater and turn on the general switch(if applicable) , and then press "⏻" and "＋" at the same time within five minutes to start pairing , the Pairing symbol flashes three times and sends out the paring code to indicate that paring is taking place.

6. When the screen of the remote-controller is off, it only means that the heater is off, and it does not mean that the remote-controller has stopped working. It is still detecting real-time temperature data and sending the real-time temperature data to the receiver every 60s for logical control (the remote-controller will send the collected temperature data whether it is on or off).
7. One remote-controller can be paired with several heaters, users can pair them one by one or at same time together, both ways are workable.

After a successful pairing, the heater will beep twice.

Note:1.Please turn off the heaters that you do not want to be paired before pairing .
2.If the remote control needs to be replaced, please power on the heater again, and then complete the pairing within five minutes. If the pairing is not finished within five minutes, the pairing mode will be off and you will need to repeat the above steps to pair again.

2. Press "⏻" to turn on the heater, and press again to turn off the heater.
3. Press the "+" key to increase the set temperature by 1 ℃ , press the " − " key to decrease the set temperature by 1℃, and hold the "+" key or the " − " key for 3 seconds to increase or decrease the set temperature continuously.
4. Press the "+" and " − " key at the same time to switch the temperature unit between ℃ and ℉ .
5. Press the "⏻" key and the "−" key at the same time for 3 seconds to open the child lock mode, do so again to close.
6. SET means the target temperature. 〰 This is heating symbol.
   1) If the SET temperature is lower than the ROOM temperature, the heating symbol is not displayed.
   2) If the SET temperature is higher than the ROOM temperature, the heating symbol is displayed.
   3) When the room is heated to the SET temperature, then the remote control will stop displaying the heating symbol.
   4) Every time you press the button, the screen background will light up,and it will be off if no operation within 5 seconds.
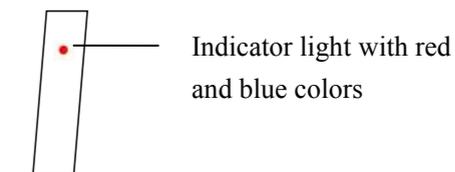
Ⅵ. Instructions of WIFI Connection

1. Before pairing, please make sure your mobile phone connects to your 2.4ghz WIFI signal invariably.
2. Scan and install below Smart Life APP, and Register an account.
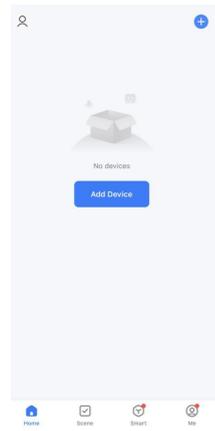

finished APP icon

3. Long press the button ⏻ of the remote control for 6 seconds until the heater beeps and the blue indicator light on the rear junction box starts flashing. The heater then enters network pairing mode.
   NOTE: same operation is necessary when WiFi hotspot changed, WiFi password changed, or cell phone changed.
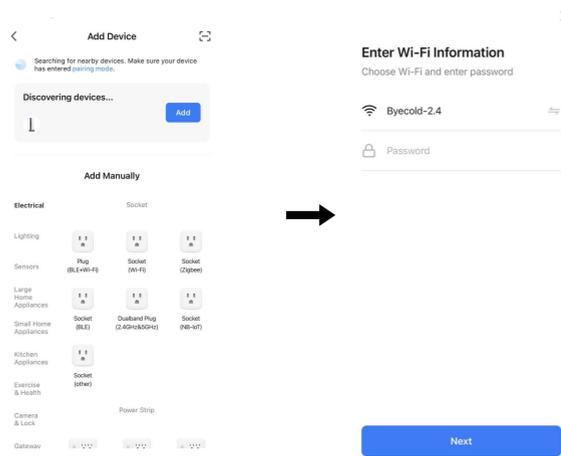

Indicator light with red and blue colors

Blue color means online
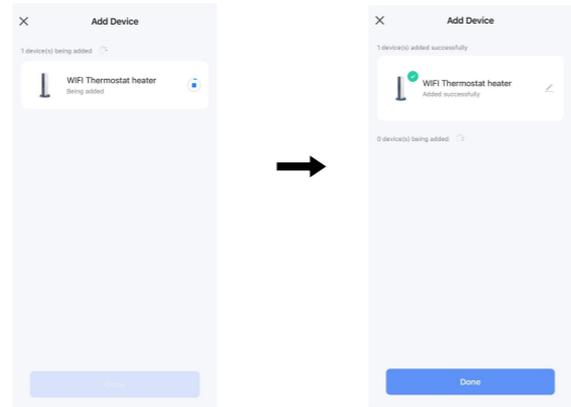***Red color means heater is heating up***

4. Click Smart Life App to enter main interface, Select room name and click "Add Device" or the upper right corner " ⊕ " icon. A pop-up window appears as below picture.
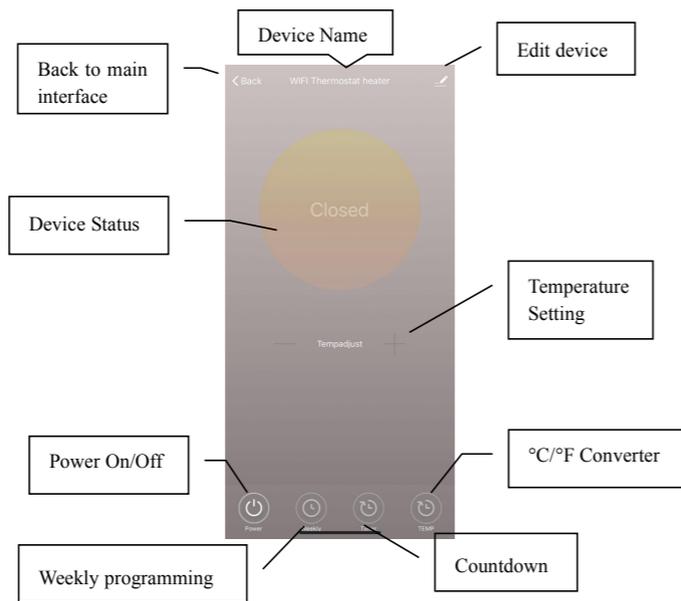
5. Click "Add", an Enter Wi-Fi Information dialog will pop-up as following.

6. Enter Wi-Fi password, click "Confirm", It will automatically enter the next step for WIFI connection. The device will be added successfully after waiting for 20-30 seconds. And meantime the blue indicator at the front corner of heater lights up. You can name this device, e.g. "WIFI Thermostat heater".
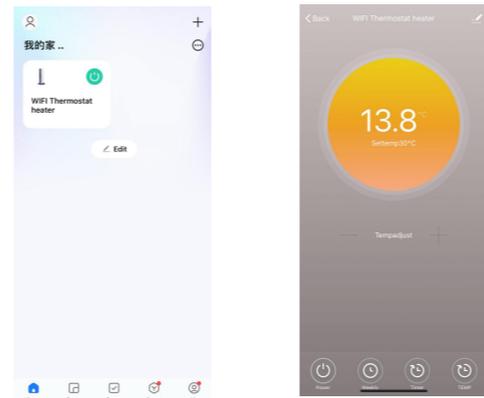
Note: If the connection is timed out in Step 6, please Repeat Step 3-6.

Ⅶ. Operation Instructions

1. Main view of the Smart Life APP after heater connected successfully as below.

Device Name
Edit device
Back to main interface
Device Status
Temperature Setting
Power On/Off
℃/℉ Converter
Weekly programming
Countdown

2. Click the green ⏻ to turn on/off the heater.
3. Click device name "WIFI Thermostat heater" to enter the interface of the device.
4. ⏻ **Power** means the heater being turned on or off. When the product is turned on, if the set temperature is more than 0.5℃ higher than the ambient temperature, the heater will be in a heating state. If the set temperature is less than or equal to 0.5℃ higher than the ambient temperature, the heater will not heat.
5. ⏱ **Weekly** means weekly programming mode. Under weekly mode, users can program the heater to change the operation and desired temperature throughout the week. ON and OFF timing is separate, you need to add individually. Don't forget to turn ON the weekly button to Green after programming.
   Note: weekly will still work as per setting even under APP powering off state.
6. ⏱ **Timer** is countdown function for setting to power off the heater.
   Note: APP powering off will cause timer setting canceled.
7. **TEMP** means convert temperature display between ℉ and ℃
   Note:Weekly, Timer and TEMP these three functions can be edited only under power on mode!
8. ✎ means other editing of the heater, description

as below.
1) Device name: edit the thermostat name.
2) Device information: to check the virtual ID etc device information.
3) Share device: you can share the control of this thermostat to other mobile numbers/email addresses if they have been registered in "Smart Life" APP.
4) Create Group: you can group different thermostats to control together.
5) FAQ & Feedback: to report any problems to the APP supplier.
6) Add to the home interface: you can turn on the heater directly on the home interface.
7) Check Device network: check the wifi connection status of device.
8) Check Update: Get latest firmware version.
9) Remove Device: remove thermostat from your APP.

Ⅷ. Important note

1. The heater only support 2.4GHz network.
2. Blue light means the heater is online, red light means the heater is heating up.
3. Thermostat disable switch on means disabling thermostat.(if applicable)
4. WiFi or network disconnected will cause heater offline and heater powering off.
5. The blue LED indicator may not light up at the first time when you finished the WIFI connecting, you need to wait for a couple of seconds due to network searching and connecting.
6. Alkaline battery is recommended for the remote control. Please remove the battery if long time no use.
7. If the remote can not turn on the heater, please check if the setting temperature is not high above the room temperature.
8. Put the remote-controller at most 8 meters from the heater.
   Do not mount the remote-controller close to any cold or heat source;
   Do not cover the remote-controller;
   Do put it in an open normal room environment rather not inside a drawer/pocket etc, or under pillow/quilt etc.
9. Do not use heaters in wet or running water environment.
10. Please pull out the heater power supply from your socket if long time no use.
11. Both the remote-controller and App can turn on/off the heater and set the temperature. The remote-controller setting can be linked to the App, but the App setting cannot be linked to the remote-controller.
12. If the remote control and the built-in receiver lose connection, the App will display the last received room temperature. The heater will continue to operate based on this data.
    1) If no temperature data is received in 1 hour, the app will show "--.-", a disconnection warning will also be sent to the phone.
    2) If connection is re-established during this time, the App will display the real-time room temperature.
13. If the remote-controller is disconnected, please bring the remote-controller close to the heater(less than 3 meters) and repair.
14. If the remote-controller is always disconnected at one location, move it somewhere else.