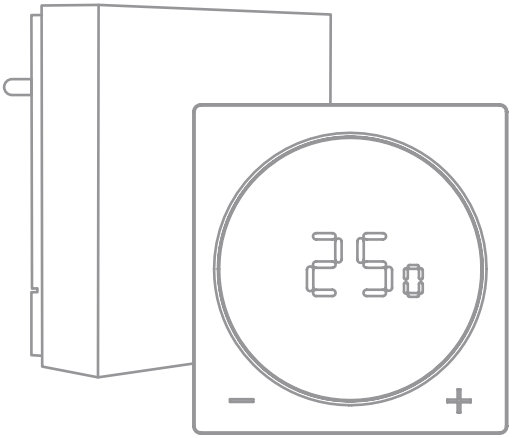


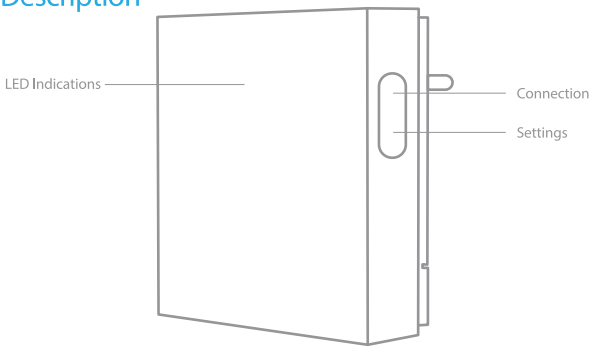
NVS-THERMOSTAT

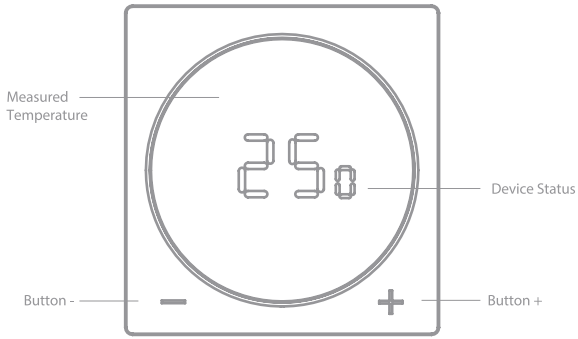
WIFI Heating thermostat Gas Boiler Set

1 Box contents

- NVS-BT01-RF x1pc
- NVS-BT02-RF x1set
- Screw accessories x1pc
- NVS-BT-AC x1
- Manual x1

2 Description





- BT01 LED Indications:

Blue indicator: indicates the WiFi status.
Blinking quickly : Pair mode to connect Wi-Fi to router
Blinking slowly: wifi connection non successfully
Light on: The WiFi is connected successfully

Red indicator 1: indicate the RF868 status.
Light on: RF sensor pair mode
Light off: RF sensor paired successfully

Red indicator 2: indicate the relay status
(gateway used only for gas boiler set)
Light on: relay on
Light off: relay off

Buttons Function

If blue LED do not blinking quickly, Long press 5s at the button side :
Reset and enter WiFi pair mode .

- BT02 LED Indications:

Setting temperature (manually setting):

- "00-50" : The measured or setting temperature display between 0°C and 50°C
- " on" : In manual mode, The Thermostat switches the boiler always on
- "OF" : In manual mode, The Thermostat switches the boiler always off

Device Status as 5 following modes (the LED indicator display mode):

- User can touch the "+" or "-" short time to wake up the display to see the current room temperature, then press long "+" or "-" 5 second to change to the following display mode.
- " - " : the relay switch is "on" mode and the boiler is open mode (Under APP control Auto mode, the relay is switch on and the boiler is open)
- no display: the relay switch is "off" mode and the boiler is close mode (Under APP control Auto mode, the relay is switch off and the boiler is close)

- "S" : in setting mode, you can adjust the setting temperature manually via button +/- to comfortable temperature.
- "L" : child lock function mode is enable, you can not adjust the touch settings via the button anymore, if you can change mode in the APP.

Buttons Function

Button + :

Short press: wake up the display to view the measured room temperature and boiler status

Long press: enter settings mode to adjust the temperature

Button - :

Short press: wake up the display to view the measured room temperature and boiler status

Long press: enter settings mode to adjust the temperature

3 Features

- Works with Internet Connection (Wi-Fi Connection)
- Wireless connection and Plug-and-play for an easy installation
- Compatible with Alexa/Google
- Support up to 60 RF868 sensors
- Stylish design to fit into your modern home

4 Specifications

BT-01

Product name
NVS-BT01-RF

SKU
NVS-BT01-EN/EU

Power Supply
AC 90-250V / 50-60 Hz

Wi-Fi
WIFI 802.11 b/g/n / RF868 Mhz

Radio-frequency
2.400 ~ 2.480MHz/ 868Mhz

Transmission distance
< 80M in open space

Housing material
ABS

Operating conditions
Temperature: 0°C~50°C
Humidity: ≤ 80% (non-condensing)

Control panel dimensions
82 x 95 x 28 (w/o plug) mm

BT-02

Power supply:
AA 1.5Vx3

Battery Life:
TBD

RF Frequency:
868MHz

RF working distance:
up to 80 meters in open space

Display:
LED

Measurement Temperature:
range from 0 to 50°C

Accuracy:
0.1°C

Settings Temperature:
range from 5 to 29.5°C

Increment:
0.5°C

Relay 1 output:
ON/OFF

Contact rating (Res. load):
5A 250VAC/30VDC

Housing:
ABS plastic

Operating conditions:
Temperature: 0~50°C,
Humidity: ≤ 80 % (non-condensing)

Dimensions (L x W x H):
84.8x80.8x28.4 mm

5 BT01 Power ON

Switch the gateway plug in to 90-220Volt power. The Gateway will enter the wifi pair mode by default, Blue LED Blinking quickly.

6 Get your APP ready

- Download APP "Tuya Smart" on your smart phone.
- Run and install the APP on your smart phone.
- Register with your Mobile number or e-mail address. and setting password.
- Login and create family account

7 Connect the gateway to your APP

Step 1. Choose which device will be added

choose “Add +”→”Others or any other wifi sensors icon even like wifi switch.

Step 2. Choose EZ mode/ AP mode

At “pairing mode” of top right side of APP to choose EZ mode. then continue “confirm indicator rapidly blink”.

EZ mode and AP mode different choice are to distinguish the connection wifi network and avoid the connection problem when the home router have two band 2.4G and 5G wifi, most new market router have two wifi band(2.4G and 5G)inside. and the gateway NVS-BT01-RF wifi have only 2.4G one band inside, if user don’t separate the wifi band with different name for their router , when gateway want to connect with router, it can not identify the wifi band, it will create the connection problem. Then we choose AP mode, it can manage the correct wifi band connection.

If it has set as separated band 2.4G and 5G in different name, and we have already choose the 2.4G wifi, we use EZ mode.

Step 3. Set the Wi-Fi network which will be connect

After choose the wifi , we need connect the gateway with router’s wifi, and choose the home connect wifi network in the menu and Enter the password, then confirm the connection. APP will manage the connection between gateway and router , await about 20 seconds , if it is connected, the gateway blue LED to enter constant light. If it is not connected, the blue LED will continuer blinking till to slowly . You can try the same process in another time. If not, change the EZ mode to AP mode for trying.

Step 4. Now you can set the gateway name to complete the connection

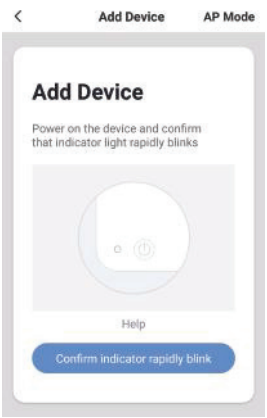
one time the connection is successful, the gateway icon will be list in the APP at once. And you can rename the gateway as different names as you prefer.

Step 5. ADD the RF868 sensors or wireless eTRV

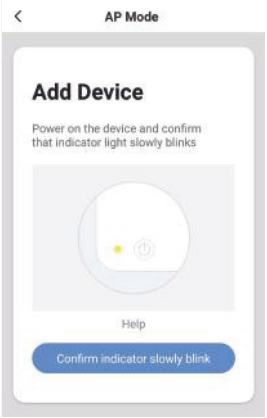
After Gatewat list at main APP page, click the gateway icon, then enter the Gateway main control page, and then you can add the RF868 heating eTRV or other RF868 sensors with APP.

to add the RF868 subdevice , see the relative sensor's installation Manual.

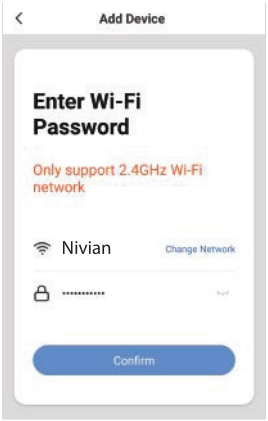
Choose AP Mode



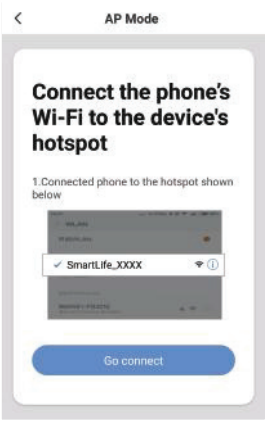
AP Mode



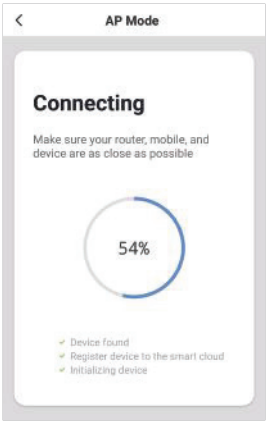
Enter Wi-Fi Password



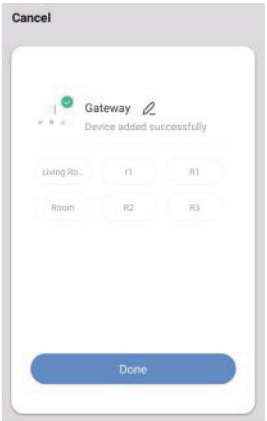
Connect to SmartLife_xxxx



Connecting



Set Device's Name



8 BT-02 Power ON

Insert the batteries in the Thermostat Control panel, the device will be automatically turn on.

9 Connect BT-02 to the gateway

Step 1: Operation on the Gateway on pair mode:

After connect the BT-01to gateway, Open gateway icone in the main APP. then enter the gateway and choose "+ Add subdevice". The gateway will enter the pair mode and scan the new device to add.

Step 2: Operation on the Thermostatto on pair mode:

Press and hold button "+", "-" at same time of BT-02, you will hear one beep: the thermostat is sending connect signal to the gateway. after a few second, the thermostat control panel icone will connect and list in the APP. Now, you can test and set the Heating Thermostat Program.

10 Test

Step 1: Press and hold button + until it display the max. temperature, the boiler should be on.
Step 2: Press and hold button – until it display the min. temperature, the boiler should be off.

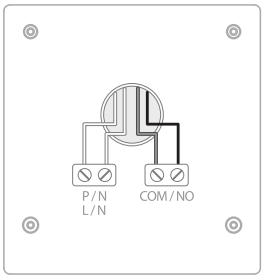
11 Install

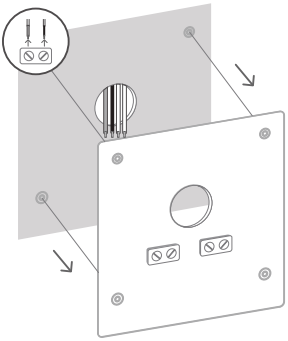
The device must be installed by a competent person!
Please read the instructions carefully. Failure to follow the instructions can damage the device or cause a hazardous condition.
Before install the Thermostat to the wall, to ensure your safety, always make sure the main power supply is switched OFF.

Step 1/4: Turn OFF the main power supply
Step 2/4: Remove your old thermostat

- Before removing your old thermostat, take a picture of the wiring as reference.
- If only two wires, they are the control wires and will be used in this setup.

- If more than two wires, identify the two control wires before remove the old device. They are usually black or grey as shown on the following diagram.

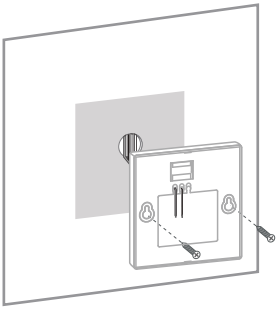


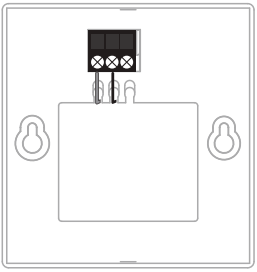


- Remove your old thermostat from the wall.

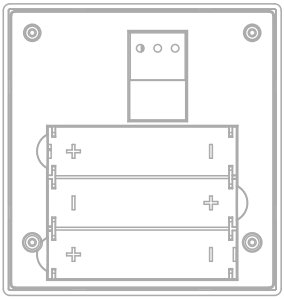
Note:
If more than two wires, the others are power supply wires and are useless here. They are usually brown, blue, green or yellow.

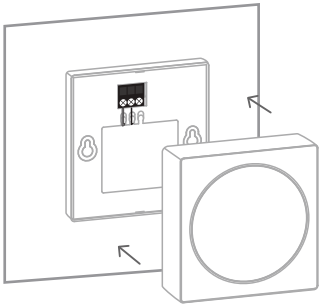
Step 3/4: Install new thermostat
- Pass the wires through the mounting plate and screw the latter to the wall.
- Screw the two control wires into the electrical terminals COM,NO and insulate the unused wires.





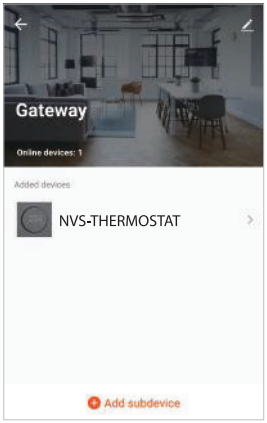
- Insert the batteries in the device.
- Install the device on the mounting plate.





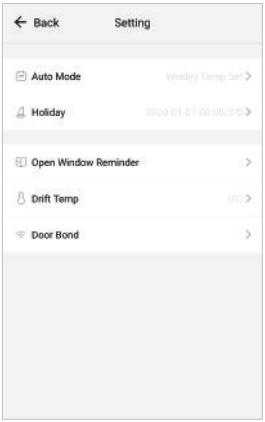
Step 4/4: Complete installation, turn on the main power.

12 APP Interface









In the APP, we have Manual Mode/Auto Mode/Holiday mode for choice.
Manu Mode: we can regular the temperature quickly if we want to rise the temperature quickly.

Auto mode: We have set the weekly program temperature and everyday, we can set maximum 9 different temperature timing.

Holiday mode: we can go to holiday and set the minimum temperature like 5 degree to economize the energy.

Boost functions: it can rise the temperature quickly with this button.

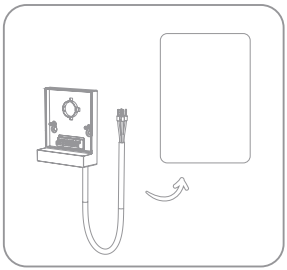
See details APP functions as APP descriptions.

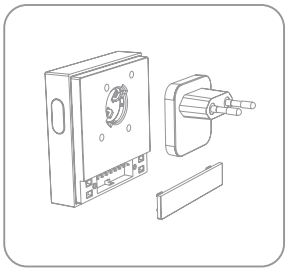
13 BT-AC (in option)

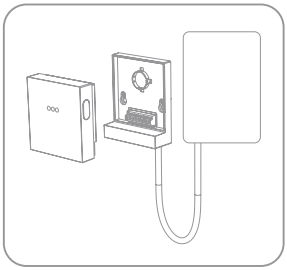
This device contain the High voltage, Installation must be carried out expertly.

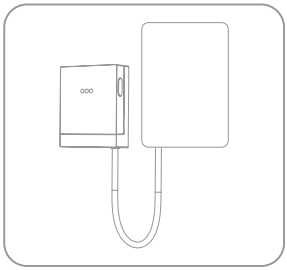
The accessory base BT-AC is only used for new house when BT-02 can not be installed in the wall with relay cables to control the gas boiler. The house have no Heating Thermostat control cable preinstalled. And with BT-AC and its cables preinstalled, we can install the BT-01 Gateway near Gas boiler(as following figures), and the BT-01 is used both for gateway and also relay control panel.

then, with cover accessory, and user can move BT-02 anywhere in the house, and it detect room temperature, and set the temperature.









Warning



ATTENTION
RISK OF ELECTRIC
SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

To prevent fire or shock hazards, do not expose this product to rain or moisture. Apparatus shall not be exposed to dripping or splashing and no object filled with liquids, such as vases, shall be placed on the apparatus.

Standards



This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European Directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

For further information, please contact your local or regional authorities.

Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances.

CE

In compliance with European laws. This product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

This product was designed and manufactured in compliance with Directive 2011/65/EU and its amendment directives 2015/863/EU of the European Parliament and of the Council on the restriction of use of certain hazardous substances in electrical and electronic equipment (RoHS Directive - RoHS) and is deemed to comply with the maximum concentration values set by the European Technical Adaptation Committee (TAC).

Manufactured in China.



Smart