WBW2black Wireless Wifi Thermostat

This smart thermostat has been developed to be able to switch electric and conventional heating systems on and off using a set temperature and time remotely at anytime anywhere.

Functions

✓ Amazing Mirror Effect Display
✓ Large display can be clearly read with the background lighting.
✓ Easy to fit thermostat and receiver.
✓ Five buttons make it easy to use.
✓ 4 periods of each day programmable
✓ The display shows the set temperature as well as the measured temperature, time.
✓ Temperature display in degrees Celsius.
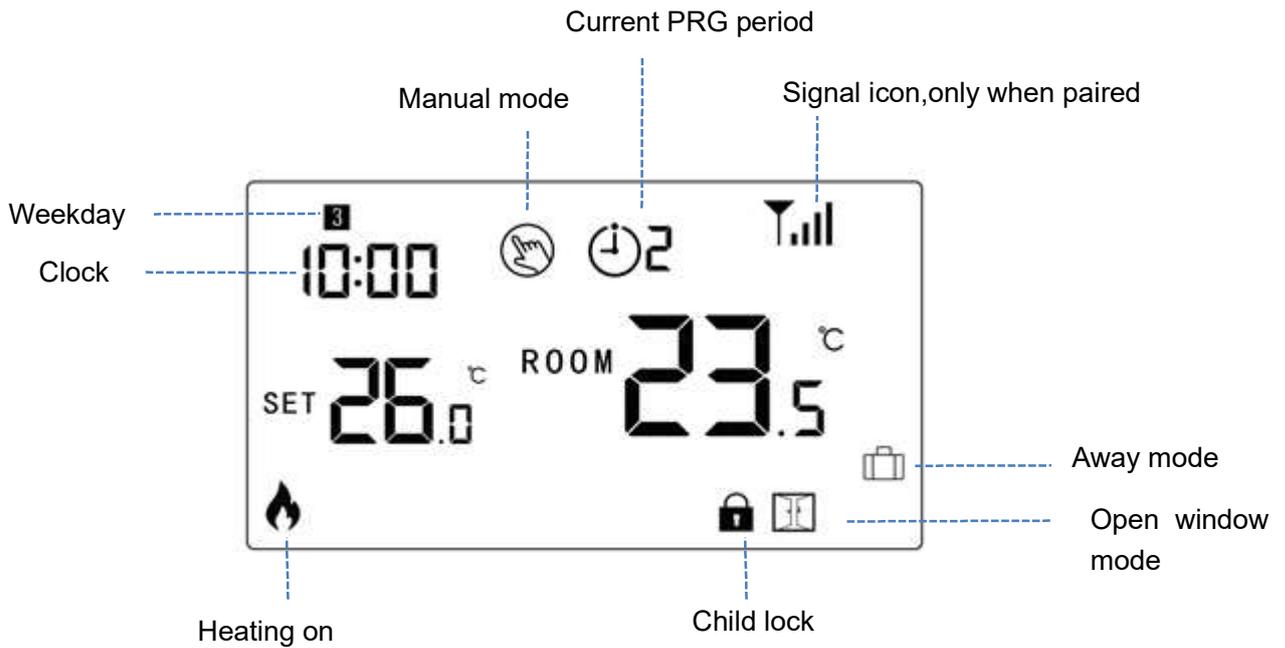✓ The thermostat is supplied with a wall-fixing frame, base and a very compact receiver (surface-mounted).
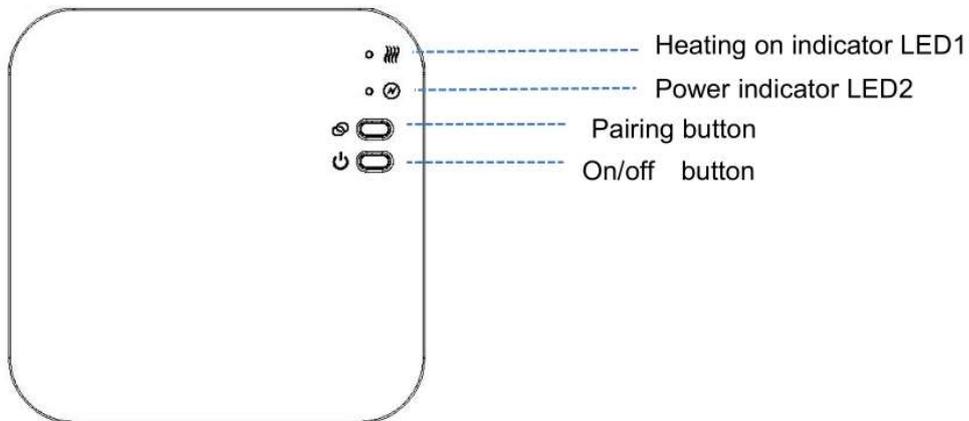
Technical Data

Thermostat operating voltage:	2*AA battery power or USB; 5V/1A
Backup storage:	EEPROM
Receiver operating voltage:	230 VAC, 50/60 Hz
Maximum voltage / (ohmic) load:	250 VAC/10 A.
Frequency:	868 MHz
Channel selection:	By programming the thermostat and the receiver.
Switching options:	7 days, 4 periods each day.
Receiver switch contacts:	NO and NC.
Temperature settings:	5°C ~ 35°C, 0.5°C increments.
Accuracy:	+/- 0.5°C
Thermostat dimensions:	Surface mounted, 125*98*23.5MM
Receiver dimensions:	Surface mounted, 90* 90*26 mm
Color:	White
IP protection rating:	20.
Certification:	CE, Rohs, RED

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Display

Current PRG period

Manual mode

Signal icon,only when paired

Weekday

Clock

SET **26.0**°C ROOM **23.5**°C

Away mode

Open window mode

Heating on

Child lock

Code Pairing & WIFI Connection

Heating on indicator LED1

Power indicator LED2

Pairing button

On/off button

I.   Code Pairing with Sender

Normally thermostat and receiver are paired at factory, if not this case, you can follow below step to pair.

1) Long press the code pairing button on the receiver until LED 1 is flickering quickly.

2) Turn off thermostat and long press **M** button until the code shows on the screen, then press ⌃ button.

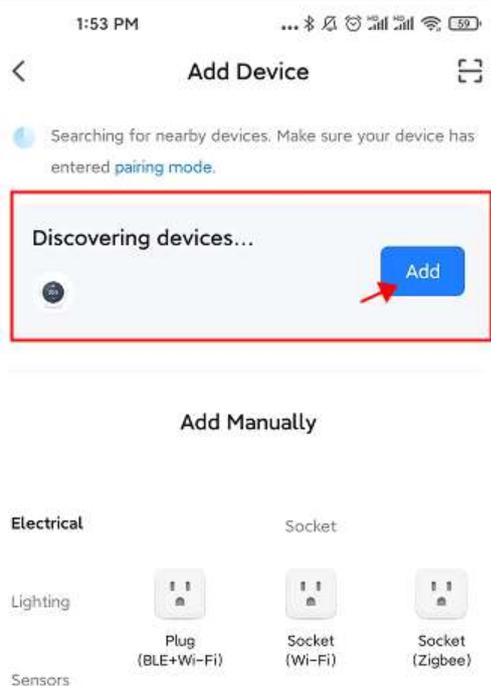3) Wait for a while, LED 1 stop flickering, code pairing successful.

II.   WIFI connection with App

Please download "Smart life" APP from Google play or app store. Once download, the app will ask you to register your device. Enter your email, select the country you live in and create a password for your Smart life account.

You can connect to app by Bluetooth scan or wifi connection, Bluetooth is more recommended.

1) Enable Bluetooth function on your phone
2) Add device by press"+" button at top right corner
3) Long press **Pairing button** on receiver to enter WiFi connection mode, the LED will flash quickly
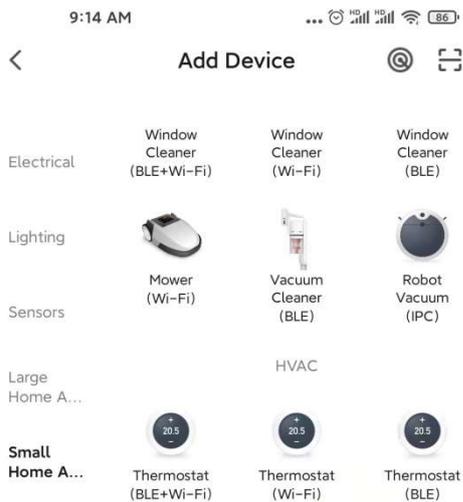4) App is searching for nearby Bluetooth device. Press " Add " as picture

5) Choose Wi-Fi and enter password
6) Wait till device add successfully

Notes: When device is never connected (first time or been removed), app may show device to be add as step. 4 directly.
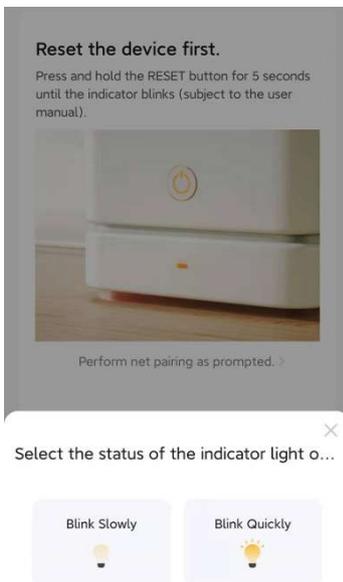
Wi-Fi Connection Method:

1) Add device by press"+" button at top right corner
2) Press "Small Home Applicant" and select "Thermostat (Wi-Fi)" on the list.

3) Select 2.4Ghz Wi-Fi Network and enter password, and press "Next".
4) Long press **Pairing button** on receiver to enter WiFi connection mode, the LED will flash quickly.
5) Press "Next" on app, tick "Blink Quickly" on phone to add device.

6) Wait a moment till connection done. The LED on receiver will stop flashing. Wifi connection success. If the LED still flash slowly, the connection fail, please try again from step. 5.

Notes: If device is connected and keeps online, when you want to create new connection, please remove device from app or clear all pairing on receiver.

III. Clear all pairing

Long press both code pairing button and On/Off button for 5 seconds, LED1 and LED2 will flicker once at the same time, codes pairing are eliminated.

IV. Signal Lost

In case the RF and WIFI signal lost/disconnected, LED 1 will flicker slowly.

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Clock Adjustment

The date and time setting is automatically updated when the thermostat is connected to Wi-Fi via the application. If this does not happen, follow the procedure below:

Press and hold **M** button for 3s, set the clock and pre-set temp. of each mode by pressing ⌃ and ⌄ button, each press of **M** button will go to next item setting.

Menu	Description	Menu	Description
01	Clock setting- Minute	03	Clock setting- Weekday
02	Clock setting- Hour		

Mode Select

Press **M** button to switch mode from PRG mode 🕐 to absent mode 🧳 or Manula mode ✍ .

Notes:

1) If thermostat works at PRG mode 🕐 , you change set temperature by pressing ⌃ and ⌄ button, it only works as temporarily set temperature, it will not be kept at next period.

2.) If thermostat works in absent mode 🧳 or Manual mode ✍, you change set temperature by pressing ⌃ and ⌄ button, the new set temperature will be kept for next time usage.

PRG setting

Press and hold **P** button for 3s to enter program setting.

Set the schedule (Weekday-Period-Start time-Temp.) by pressing ⌃ and ⌄ button, each press of **P** button will go to next item setting.

Default Setting:

Period	1		2		3		4	
	Time	Temp	Time	Temp	Time	Temp	Time	Temp
12345(Mon.~Fri.)	7:00	22℃	8:30	19℃	17:00	22℃	22:00	19℃
6(Sat.)	8:00	22℃	8:30	22℃	17:00	22℃	22:00	19℃
7(Sun.)	8:00	22℃	8:30	22℃	17:00	22℃	22:00	19℃

Temperature Calibration

This feature used to calibrate thermostat's room temperature display when actual room temperature different from thermostat showed (refer to the menu 01 of parameter settings). For example, if actual room temperature 21.5°C, but thermostat shows 23°C, then you can set this value to -1.5, then radiator thermostat will show 21.5°C.

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Frost Protection

This is the temperature maintained when the thermostat is in Frost Protection Mode (refer to the menu 05 of parameter settings). If room temperature below 5°C (Default), radiator thermostat will turn on heating till room temperature arrive 5°C (Default).

Switching Differential

This function allows you to increase the switching differential of the thermostat (refer to the menu 09 of parameter settings). The default is 0°C which means that with a set temperature of 20°C, the thermostat will switch the heating on at 19.5°C and off at 20.5°C. With a 0.5°C differential, the heating will switch on at 19°C and off at 21°C.

Child Lock

Under child lock ON (refer to menu11 of parameter setting), the buttons will lock once backlight off. Press ⌃ and ⌄ button at the same time for 5s to unlock it for temporary adjust.

Open Window Detection(OWD) Function

When the Open Window detect function is enabled in the parameter setting, the system will automatically stop heating when it detects a sudden drop of room temperature (2°C in 15 minutes as default). This is normally caused when a window or door is opened without turning off the heating device.

The device will return to the previous mode of operation after 30mins, then 🪟 disappear. Press any button will exit OWD function during the heating off period.

Parameter Setting

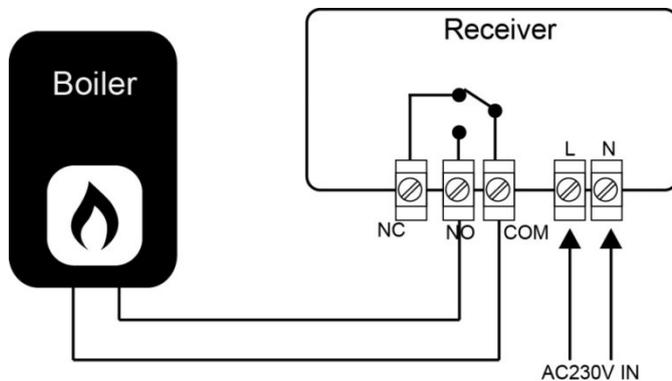Turn thermostat off, press and hold **M** button and ⌃ button for 6s to enter parameter setting.   Each press of **M** button will go to next item setting. Adjust the value by pressing ⌃ or ⌄ button.

Menu	Description	Range	Default Value
01	Temp. calibration for internal sensor	-8 ℃ ~8 ℃	0℃
02	Set Point Max.	5 ℃ ~35℃	35 ℃
03	Set Point Min.	5 ℃ ~35℃	5 ℃
05	Frost Protection Temp.	5 ℃ ~15℃	5 ℃
09	Dead zone	0~3℃	0℃
11	Child Lock	1: Lock 0: Unlock	0
12	Open window detect function	OFF	OFF

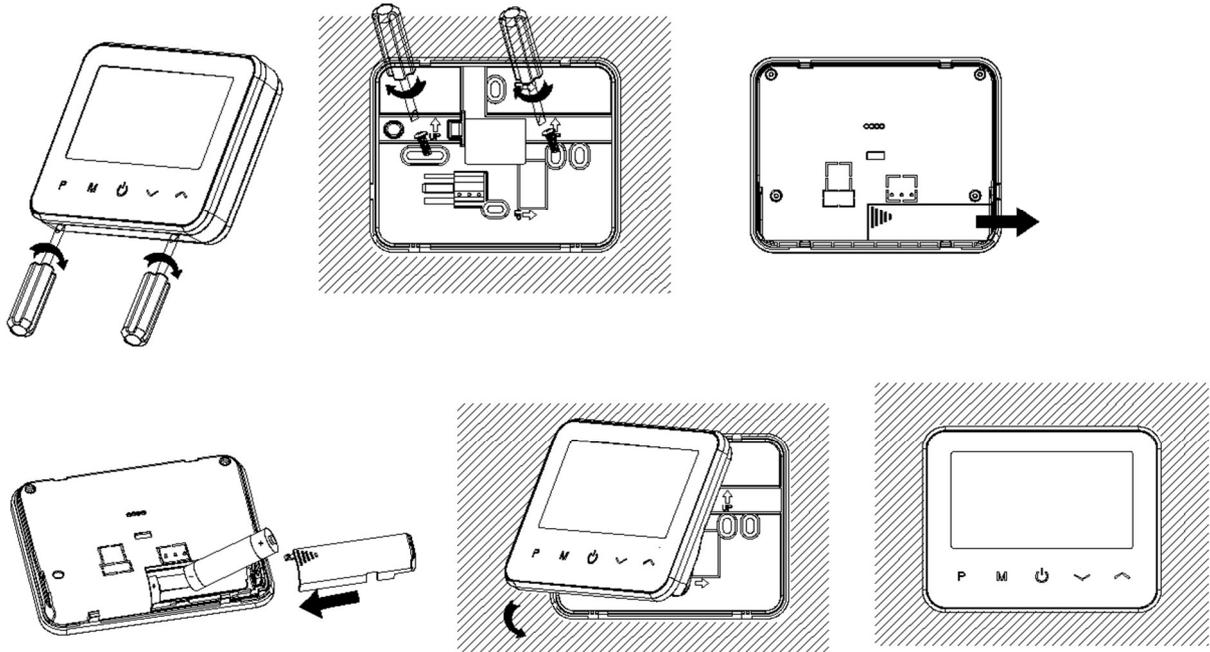|			
		ON	
13	OWD Detect Time	2~30mins	15mins
14	OWD Drop temp. select （within detect time）	2.3.4'C	2 'C
15	OWD Delay time select (Return to previous working status)	10~60min	30mins
17	Factory reset	1: Yes, and then press On/off button for 5 seconds until thermostat restart	0
	Software version	Read Only	
	Software version	Read Only	
31	WIFI Information	Read Only	
32	Standby Mode Brightness Adjust (When USB Power Only)	0~100%	40%

Wiring Diagram

Installation & Size

Installation Thermostat on Wall:

1. Carefully separate the front half of the thermostat from the back plate by placing a small flat head terminal driver into the slots on the bottom face of the thermostat.

2. Mark 2 hole positions on the wall using the back plate as a positioning template. Drill at the marked positions and insert a wall plug into each hole. Screw the thermostat back plate securely on the wall.

3. Remove the battery cover, and insert the batteries. (If Wi-Fi version, then will be USB power supply, not battery request)

4. Clip the front of the thermostat back onto the thermostat back plate.
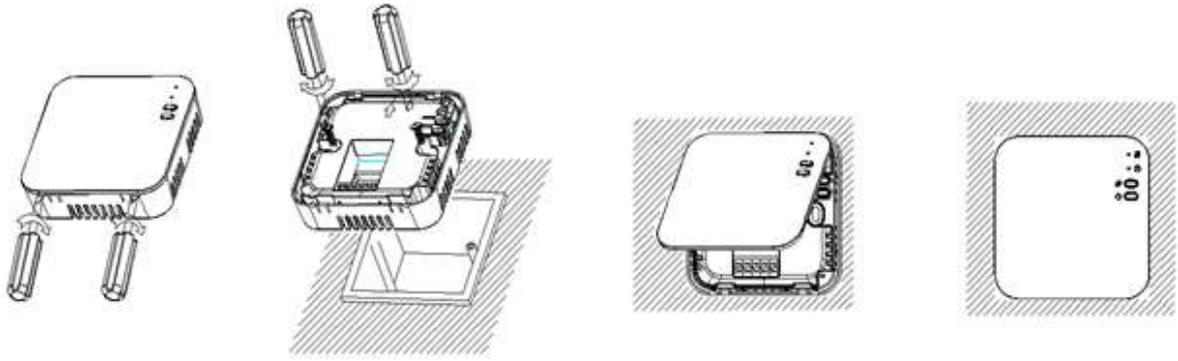
Put Thermostat on Desk:

1. Carefully separate the front half of the thermostat from the back plate by placing a small flat head terminal driver into the slots on the bottom face of the thermostat.

2. Clip the front of the thermostat onto the provided holder.

Installation Receiver:

1. Using a small screwdriver,slightly loosen the screw located at the base of the RF-Switch. You can then carefully separate the front panel from the back plate.

2. Position the RF-Switch back plate on the wall, fixing into place using the screws provided.

3. Terminate the cables to the RF-Switch as shown in the wiring diagram

4. Mount the front panel onto the back plate, tighten the retaining screw on the base.

5. Switch on the power supply, the power LED will illuminate.

Size: