



Beca BHT-8000 Heating Thermostat User Guide

[Home](#) » [BECA](#) » Beca BHT-8000 Heating Thermostat User Guide 



Contents

1	Welcome
2	In the box you will find
3	ABOUT YOUR THERMOSTATS
4	MODEL DEFINITION
5	FEATURES
5.1	On Appearance
5.2	On Functionality
6	TECHNICAL DATA
7	DIMENSION
8	HOME SCREEN QUICK REFERENCE
9	BEFORE WIRING AND INSTALLING
10	WIRING
11	INSTALLATION
12	OPERATION
12.1	During Power On
13	ABOUT WIFI
13.1	WI-FI CONNECTION
13.2	Network distribution mode:
13.3	APP operation interface description (heating thermostat)
13.4	More settings
13.5	SIMPLE EXCEPTION HANDLING
13.6	SERVICE
14	Documents / Resources
15	Related Posts

Welcome

Thank you for your purchase.

Your new thermostat will provide uniform and comfortable temperature control throughout every room in your property. We bring together technology, craftsmanship and the highest quality materials to provide you with a safe, reliable product combined with sleek, contemporary design.

please read this installation/programming manual for comprehensive instructions on installing and operating your thermostat. Please also ensure a suitably qualified person installs your thermostat and complies with all local regulations.

In the box you will find

Thermostat	1pc
User Guide	1pc
QC Passed	1pc
Screws	2pc
Floor Sensor (2.5m)	1pc
(Floor Sensor is Optional)	

ABOUT YOUR THERMOSTATS

The BHT-8000 range has been developed to control electric underfloor ,water heating or water/gas boiler systems. These units are designed for use in commercial, industrial, civil and domestic properties

MODEL DEFINITION

GA: Water heating, 5A

GB: Electric floor Heating, 16A
GC: Water/Gas Boiler, 5A
L: Backlight
P: Weekly Programmable
N: Modbus Communication
W: Wifi
S2: Both internal sensor and floor external sensor
For example: BHT-8000 GCLW

FEATURES

On Appearance

1. Negative black screen will bring you to a secret world.
2. 4.8 inch Large colorful screen display area, creates your colorful life.
3. Touch buttons to make simple operation.
4. Amazing Silver Frame opens your modern life.
5. The visible thickness above the wall is only 15mm.
6. The snap connection allows you to easily install.
7. 86mm hidden box and European 60mm round box is suitable.
8. White, black or brushed stainless steel for your selection.
9. Wrap-around cooling holes help heat to escape quickly and avoid affecting temperature detection.

On Functionality

1. Powerful functions are available such as WIFI etc.,
2. 1°C accuracy keeps temperature within the level you set.
3. °C or °F can be customized.
4. Data memory when power is off.
5. 5+1+1 six periods programmable maximize comfort and economy.
6. Temporary programmable.
7. All setting languages synchronize your time zone, address and language.
8. No limit to add thermostats in App and support Smart Scene..
9. Create thermostat group to Centralized control.
10. Integrate with Amazon Echo, Google Home, Tmall Genie.
11. Support device sharing.
12. Weather, UV index, humidity display help you decide what to wear today.

TECHNICAL DATA

Power Supply: 95 ~ 240 VAC, 50 ~ 60HZ
Current Load: Water heating 5A, Electric floor Heating 16A, Water/Gas Boiler 5A
Sensor: NTC3950, 10K
Accuracy: ±1°C
Set Temp. Range: 5 -35°C
Display Temp. Range: 5 ~ 99
Ambient Temp.: 0 ~ 45°C
Ambient Humidity: 5 ~ 95 % RH (Non Condensing)
Storage Temp.: -5 ~ 45°C

Power Consumption: <1.5W

Timing Error: < 1%

Shell Material: PC +ABS (Fireproof)

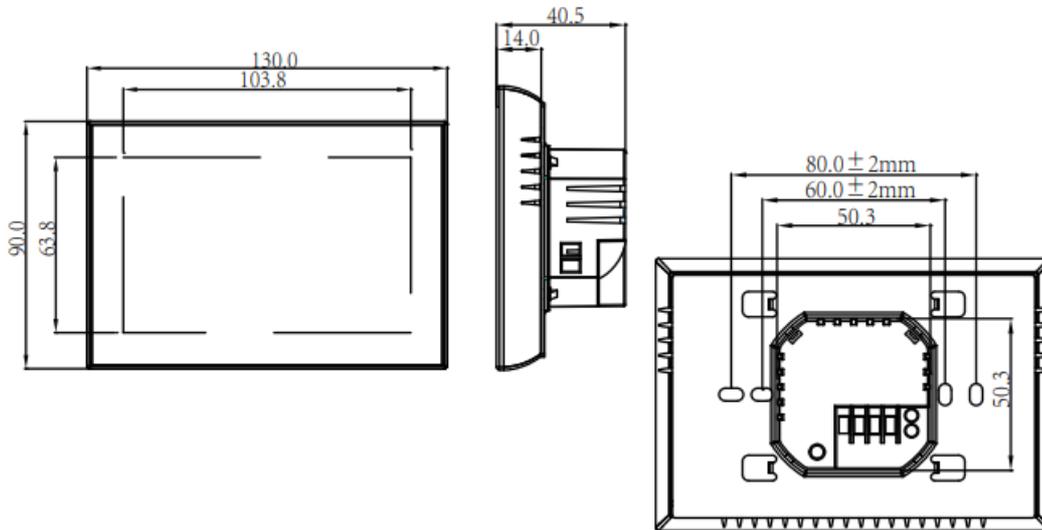
Installation Box: 86* 86mm Square or European 60mm Round Box

Wire Terminals: Wire 2 x 1.5 mm² or 1 x 2.5 mm²

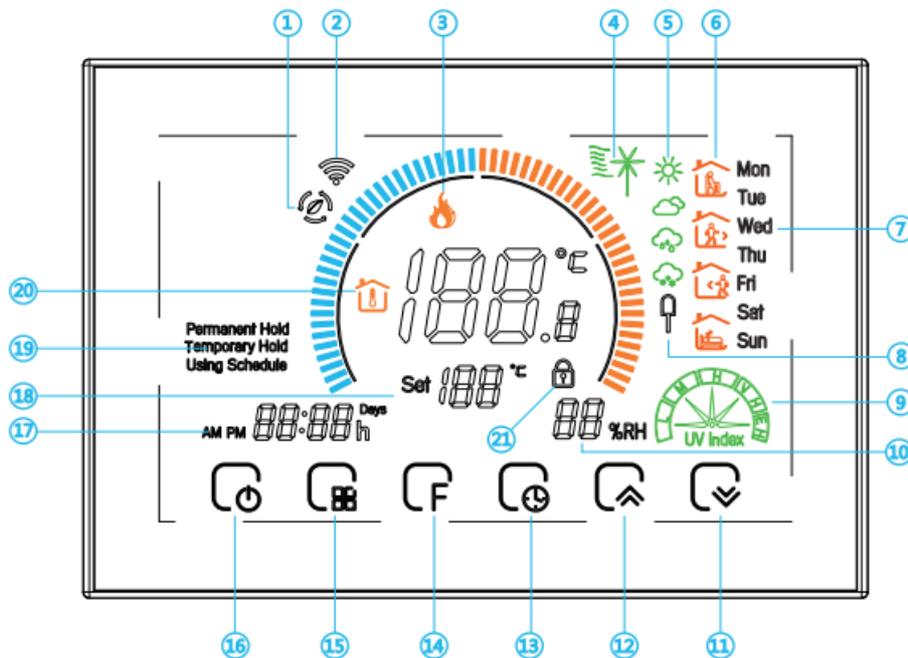
Protection Class: IP20

Buttons: Capacitive Touch Buttons

DIMENSION



HOME SCREEN QUICK REFERENCE



1. Wifi AP mode
2. Wifi EZ mode
3. Heating on
4. Wind speed
5. Weather
6. Periods
7. Monday to Sunday
8. External sensor
9. Ultraviolet intensity

- 10 The humidity outdoor
- 11 Down Button
- 12 Up Button
- 13 Clock
- 14 Advanced options
- 15 Mode
- 16 Power
- 17 Time
- 18 Set temp.
- 19 Menu
- 20 Room Temp.
- 21 Lock

1. The displayed humidity, weather, and ultraviolet are outdoor data;
2. The data of the weather station is pushed 3-4 minutes after being connected to the Internet, and updated every half an hour;

BEFORE WIRING AND INSTALLING

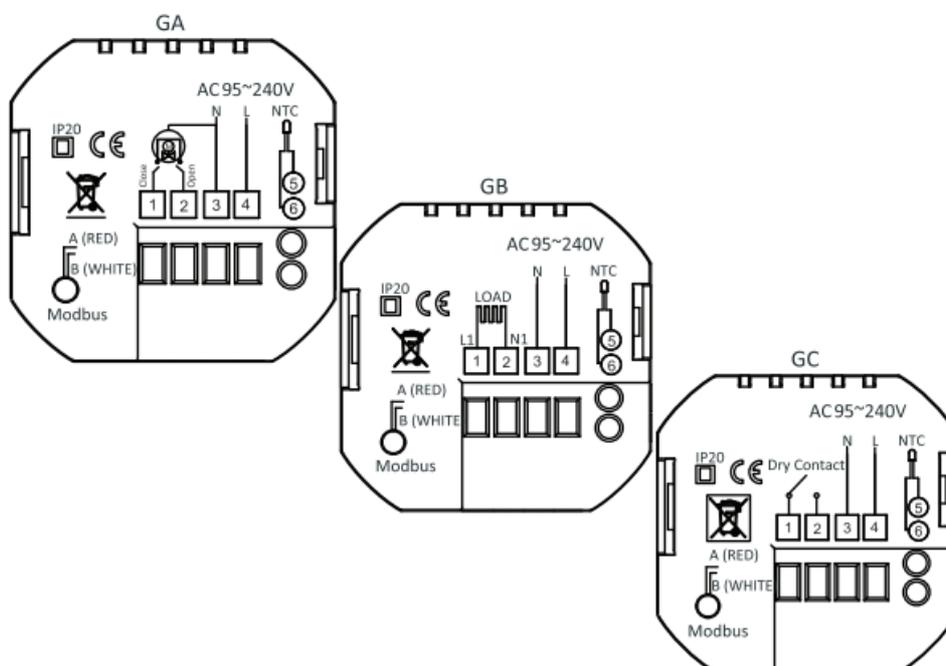
1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.



CAUTION

Electrical Shock or Equipment Damage Hazard. Can shock individuals or short equipment circuitry. Disconnect power supply before installation.

WIRING



Please note:

Do not over-tighten the terminals in your thermostat as damage may occur.

GA for water heating, GB for electric heating,

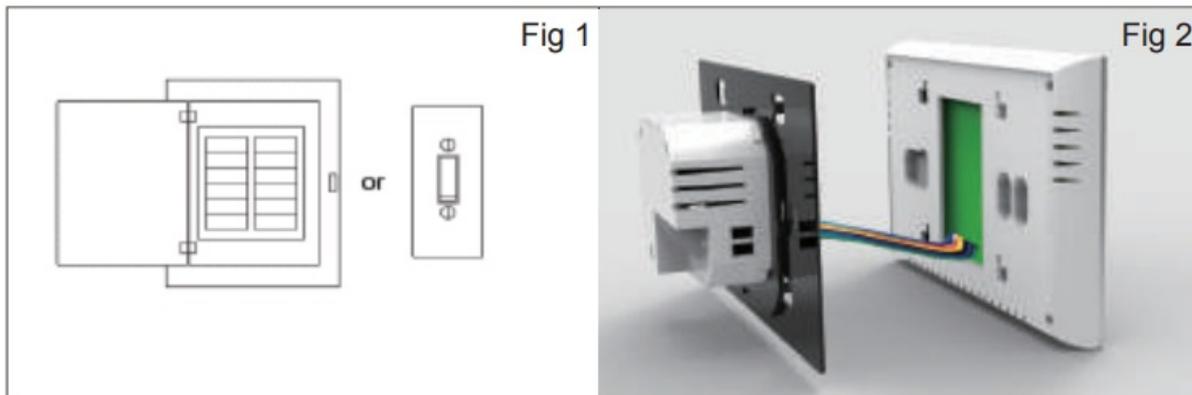
GC for water/gas boiler. External Sensor is optional.

INSTALLATION

Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm pattress box.

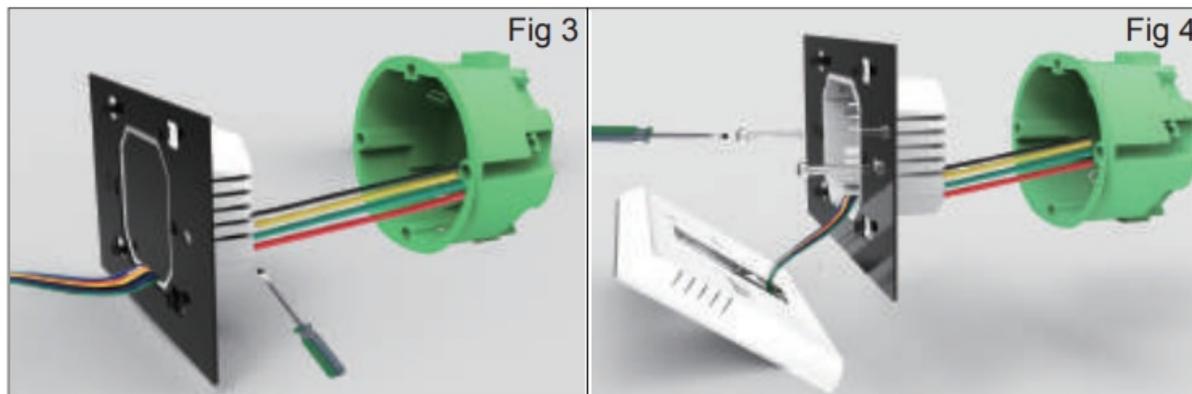
Step 1. Keep power off. See Fig 1.

Step 2. Remove the mounting Plate by rotating the LCD part. See Fig 2.



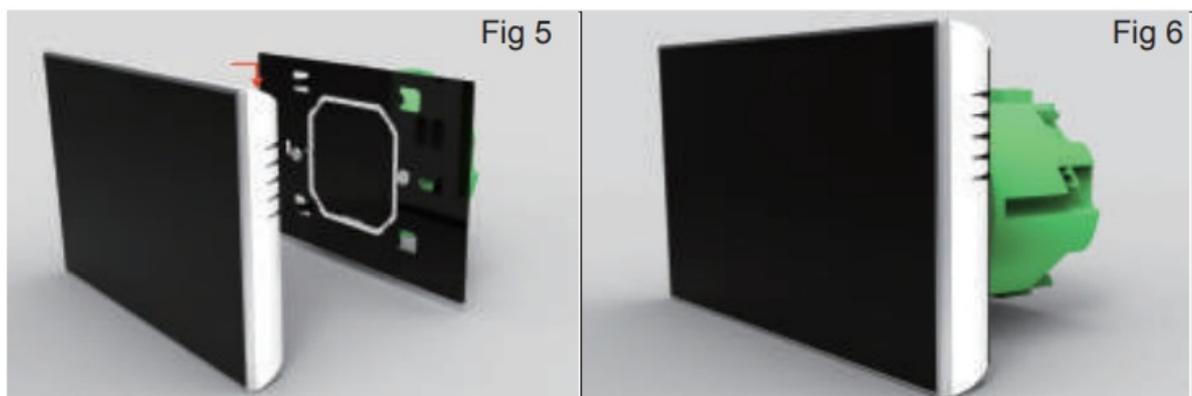
Step 3. Connect power supply, load into the appropriate terminals. (see “Wiring your thermostat” for details and Fig 3).

Step 4. Fix the mounting plate into the wall with screws in



Step 5. Fasten body of thermostat and the mounting plate through rotating. See Fig 5.

Step 6. Installation complete. See Fig 6.



OPERATION

During Power On

1.Power On/off: Press  to turn the thermostat on/off.

2. Manual & Programmable

Press  to set the Permanent Hold, Temporary Hold, Using Schedule, These functions will appear on the screen.

Permanent Hold – Manual. In this mode, Press / to set temperature.

Temporary Hold. During Using Schedule or in this mode, Touch / to set the temporary temp.. It will be valid till the start time of the next scheduled period.

Using Schedule. 7 days a week, 6 periods programmable daily.

3.Adjusting/Setting the Clock

Press  till the min of time will flashes;

Touch the icon / to set your minute.

Then press , the hour of time will flash; Touch the icon / to set your hour.

Then press , the week of time will flash; Touch the icon / to set your week.

4.Locking your Thermostat

Press and hold the  and  for 5 seconds to lock/unlock your thermostat In item 3 of high senior options, you can select full lock or half lock.

5.Adjusting/Setting the Programmable Schedules

Press  four times in a row. (You can see **Mon** and )

Press  until the weekday schedule settings appear 1 2 3 4 5 will show along the right the screen

Use the / arrows to adjust the on time.

Press the icon  and use the / arrows to set the off time (2nd period).

Press the icon  and use the / arrows to set the temp..

Repeat this process for periods 3 4 and 5 6.

Press the icon  once more to enter the Saturday schedule settings (6 will show along the top of the screen).

Repeat the above process to set the period and temp. and Sunday schedule.

Press  once more to confirm and exit.

Default settings for program schedule

Time display	WEEKDAY (MONDAY – FRIDAY) (1 2 3 4 5 shows on screen)		WEEKEND (SATURDAY) (6 shows on screen)		WEEKEND (SATURDAY) (7 shows on screen)	
	TIME	TEMPERATURE	TIME	TEMPERATURE	TIME	TEMPERATURE
Period 1	06:00	20° C	06:00	20° C	06:00	20° C
Period 2	08:00	15° C	08:00	20° C	08:00	20° C
Period 3	11:30	15° C	11:30	20° C	11:30	20° C
Period 4	13:30	15° C	13:30	20° C	13:30	20° C
Period 5	17:00	22° C	17:00	20° C	17:00	20° C
Period 6	22:00	15° C	22:00	15° C	22:00	15° C

A separate schedule may be set for weekdays (Mon-Fri) and for weekends (Sat or Sun).

6. Checking the Temperature of Floor Sensor

Press and hold the  arrow for 5 seconds to display the temp. of floor sensor.

7. Setting the Functions and Options

Press and hold  for 5 sec. in the order to reach system function. Then press  to scroll through the available functions and use the / arrows to change the available options. All settings are confirmed automatically.

Code	Function	Setting and options	Default
1	Temperature compensation	-9 to 9 °C	-3
2	Deadzone Temp	1-5°C	01
3	Time Display	00:12h 01:24h	01
4	Button Locking	00:All buttons are locked except power button 01:All buttons are locked	01
5	Sensor types	In:Internal Sensor(to control the temp.) AL:Internal/External Sensor (Internal sensor to control the temp., external sensor to limit the temp.) Ou:External Sensor(to control the temp.)	AL
6	Min.Set Temp	5-15°C	5
7	Max.Set Temp	5-45°C	35
8	Standby Brightness	3-99	4
9	Energy saving Mode	00:Energy saving Mode 01:Non-energy saving Mode	00
A	Energy saving Temp	0-30°C	20
B	High temperature protection setting	25-70°C	45
C	Low temperature protection setting	0-10°C	0

ABOUT WIFI

WI-FI CONNECTION

Before using your Wi-Fi thermostat for the first time, you must configure the Wi-Fi signal and settings through your smartphone or tablet. This will allow communication between your connected devices.

Step 1 Download your APP Fig1-1



Fig 1-1

Fig 1-2 IOS

Fig 1-3 Android

Search for “Smartlife” in Apple Store or Google Play or use a browser to scan the QR code above (Figure 1-2), and complete account registration and installation according to the guidance of the APP.

Step 2. Connect the thermostat

Check the tutorial below to complete the connection and setup.

Method 1: Scan the QR code to configure the network guide (Fig 2.1-Fig 2.3)

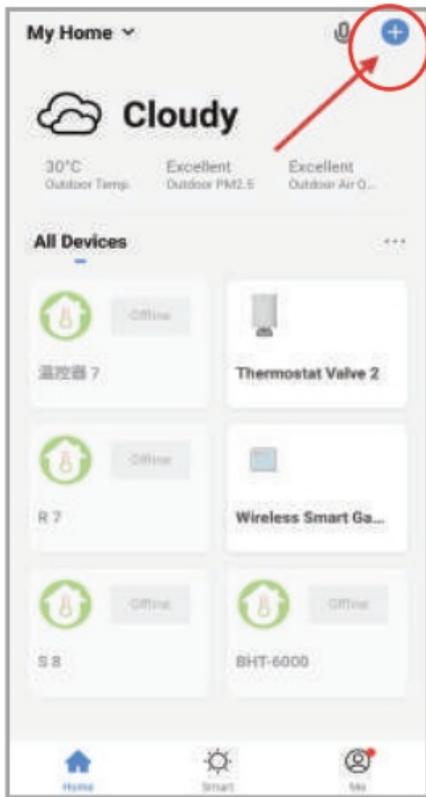


Fig2.1



Fig2.2



Fig2.3

Scan this QR code

Method 2: Ordinary distribution network guidance (Fig. 2. 1&Fig. 2.3.1)

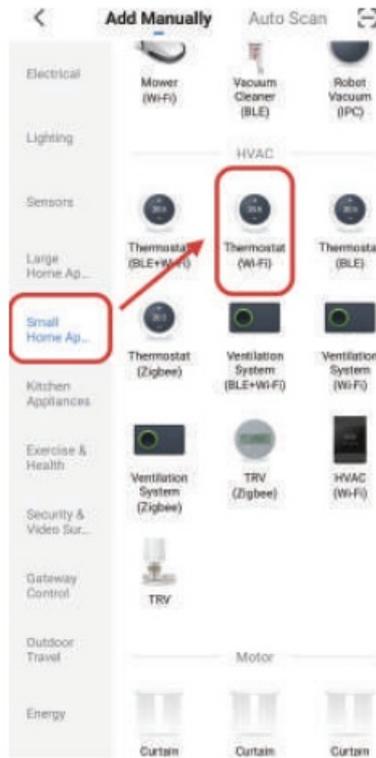


Fig2.3.1

Network distribution mode:

1 EZ Mode

When the thermostat is off, press and hold the “” until the thermostat screen flashes quickly and displays the “” icon, and then operate according to the following figure (Fig 2.4-Fig 2.7).

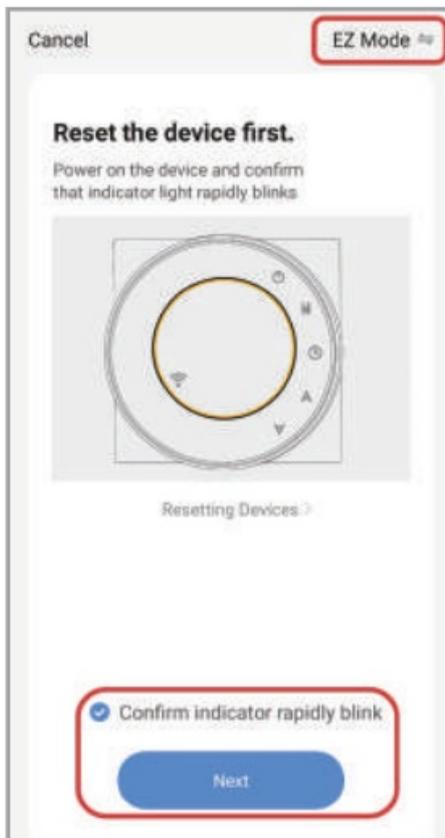


Fig2.4

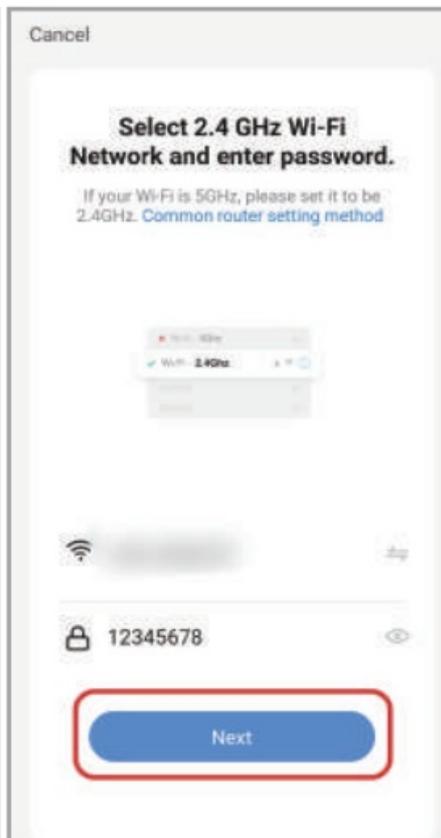


Fig2.5

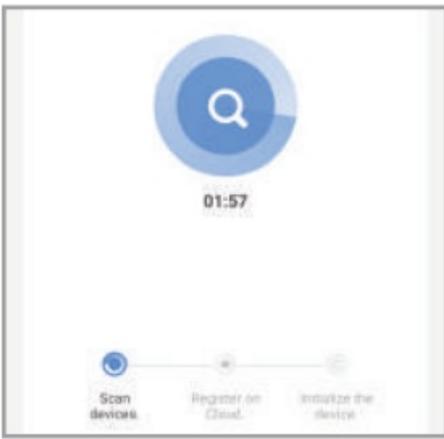


Fig2.6

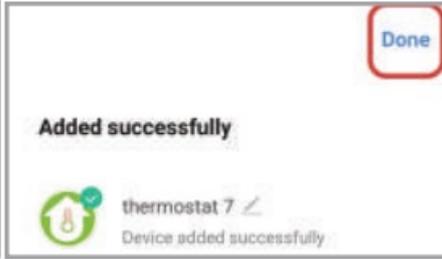


Fig2.7

2 AP Mode

When the thermostat is off, press and hold the “” until the thermostat screen flashes slowly and the “” icon is displayed (if the “” icon appears, continue to press the “” until the thermostat screen Flashes slowly and displays the “” icon), and then operate according to the following figure (Fig 2.8-Fig 2.14).

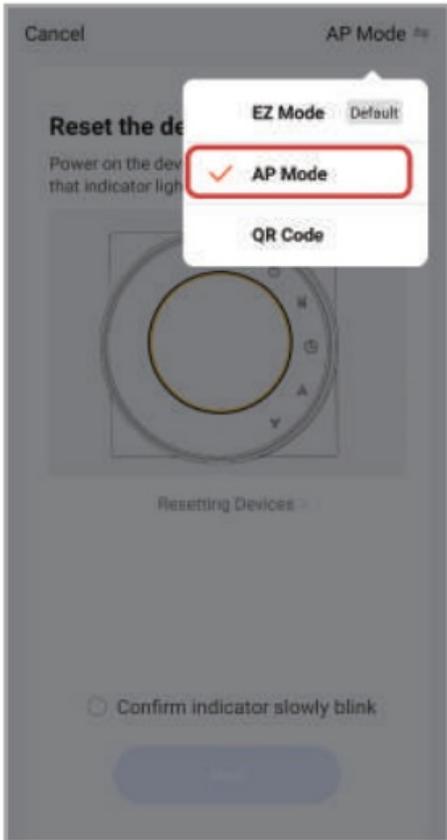


Fig2.8

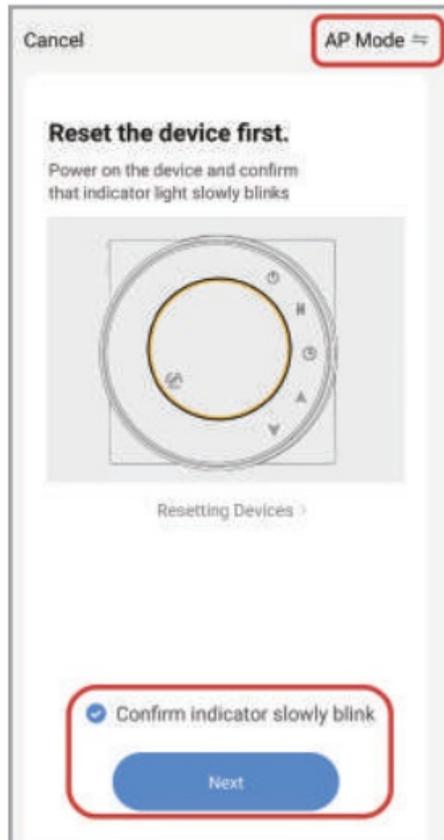


Fig2.9



Fig2.10

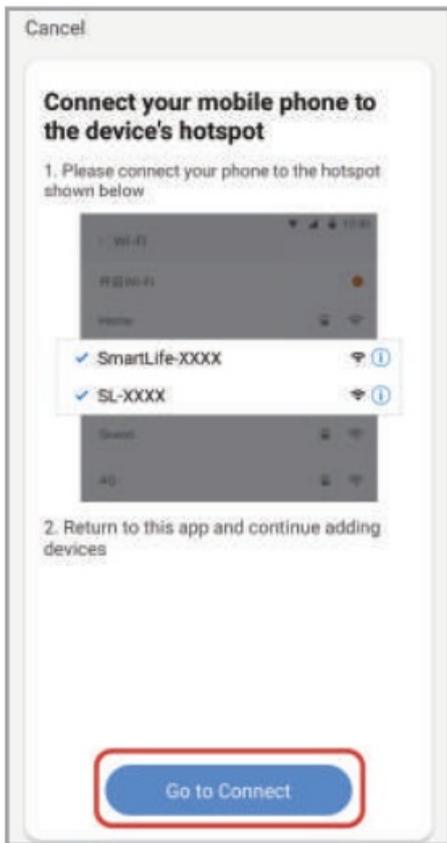


Fig2.11

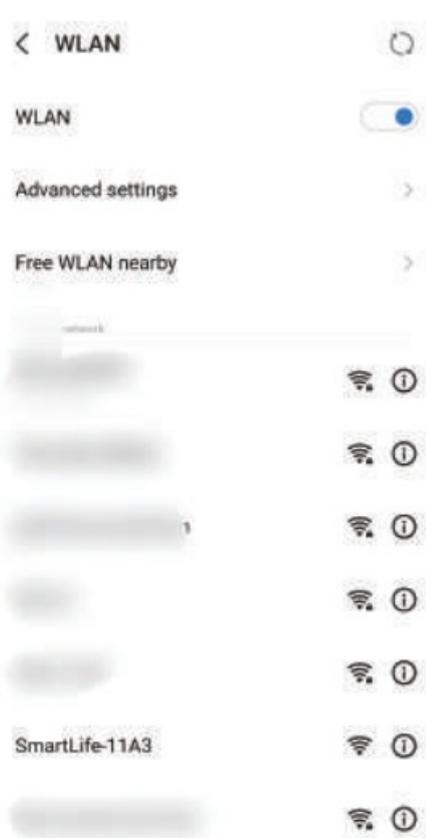


Fig2.12

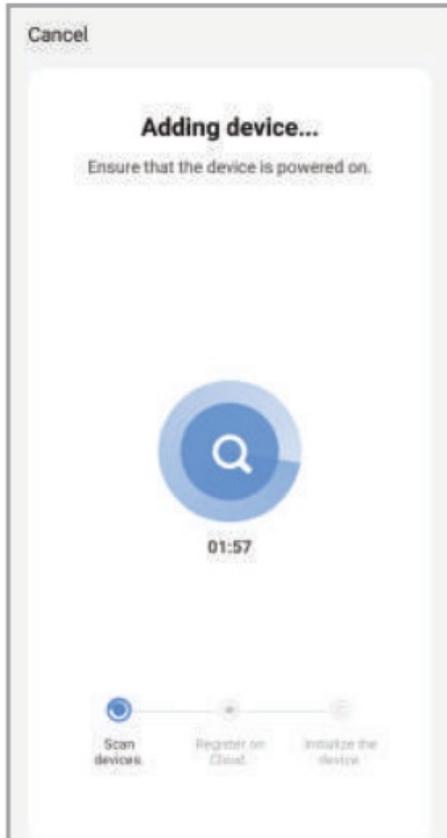


Fig2.13

After connecting to this hotspot, return to the "smartlife" APP

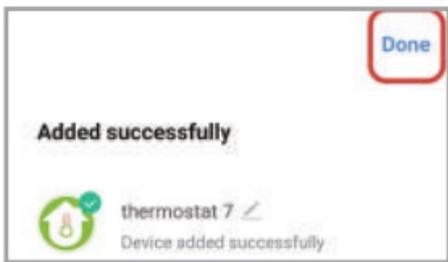


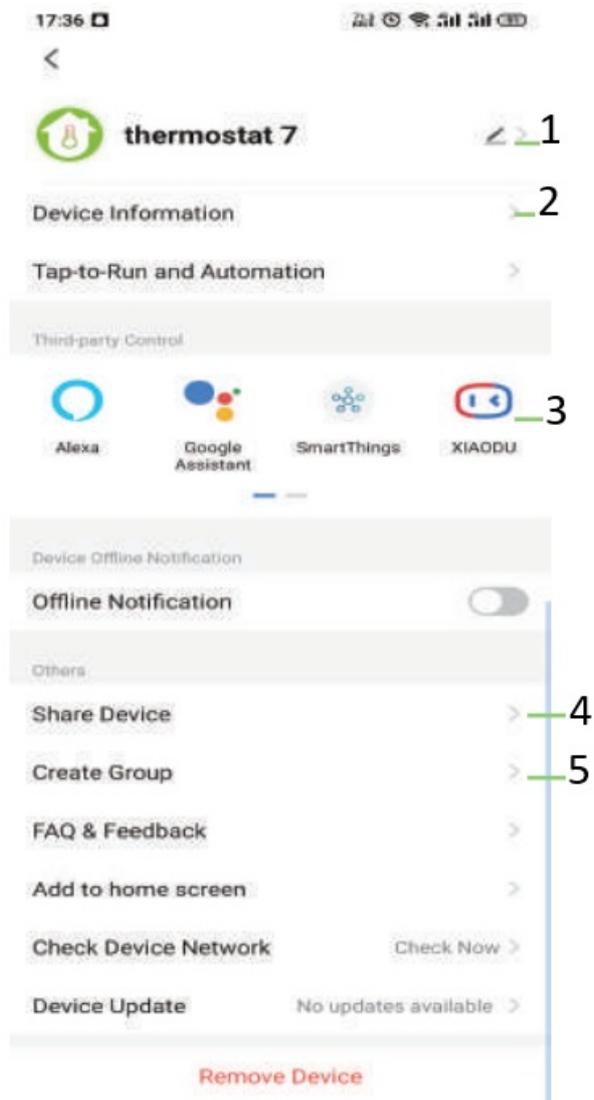
Fig2.14

APP operation interface description (heating thermostat)



1. More
2. Thermostat name
3. Button lock
4. Energy saving
5. Target temp.
6. External sensor temp.
7. Power
8. Room temp.
9. Adjust temp.
10. Programmable mode
11. Manual mode

More settings



1. Modify the name of the thermostat
2. View the virtual ID of the thermostat
3. Connect smart voice audio guide
4. Share the thermostat with your family
5. Group multiple thermostats for management

SIMPLE EXCEPTION HANDLING

No.	Phenomenons	Handling
1	Power is on but without display.	* Check if the terminals between LCD panel and Power Unit Box is loosen.
2	Without output but display works.	* Use a new LCD panel or new Power Unit Box to replace the old one.
3	Room Temp. Is a little different from the actual.	* Do temperature calibration in item 1 of high senior options

SERVICE

Your thermostat carries an 24 months warranty from date of purchase. Service outwith the warranty

period may incur a charge. More detail please contact with us directly.

Documents / Resources



[Beca BHT-8000 Heating Thermostat](#) [pdf] User Guide
BHT-8000 Heating Thermostat, BHT-8000, Heating Thermostat, Thermostat

[Manuals+](#)