# BAC-2005 Smart Thermostat

Product User Manual

For Fan Coil Unit

## Welcome to the BAC-2005 Smart Thermostat! Thank you for choosing our product

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the rathings 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. The main power switch must be cut off before installing or disassembling this product to prevent electric shock.
5. This product needs to be kept away from fire and water sources during installation and use.
6. This product cannot be used in humid environments (such as bathrooms).
7. The product needs to be installed in an outlet box or cassette that meets the standards of related countries.
8. After installation is complete, check out product operation as provided in these instructions.

## About your thermostat

BAC-008 series Touch Screen Room Thermostats are designed to on/off control the fans and valves in air conditioner applications via comparison of the room temperature and settingtemp. as reaching the aim of comfort and saving energy.

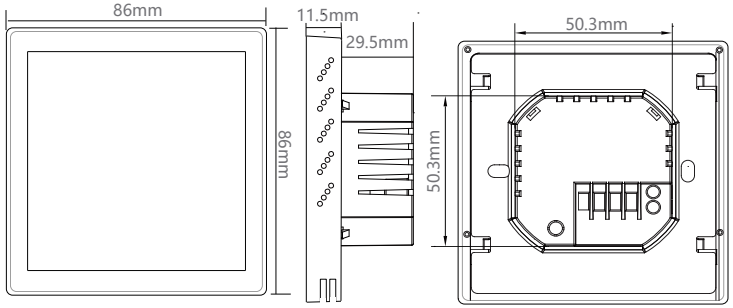
## Product Specifications

| Name | Technical Specifications |
|---|---|
| Screen | 4 inches,TFT Screen，480*480 IPS |
| Power Supply | 95 ~240 VAC, 50/60Hz or 24V DC/AC, 50/60Hz |
| Current Load | Fan Relay Amps Resistance: 5A; Inductive: 3A<br>Valve Relay Amps Resistance: 3A; Inductive: 1A |
| Set Temp. Range | 5-45°C |
| Display Temp. Range | 5 ~ 99°C |
| Sensor | NTC3950, 10K |
| Operating Environment | 0~ 45°C，5 ~ 95 % RH (Non Condensing) |
| Shell Material | PC +ABS ( Fireproof) |
| Installation Box | 86 * 86mm Square or European 60mm Round Box |
| Wire Terminals | 2 x 1.5 mm² or 1 x 2.5 mm² |

## Features

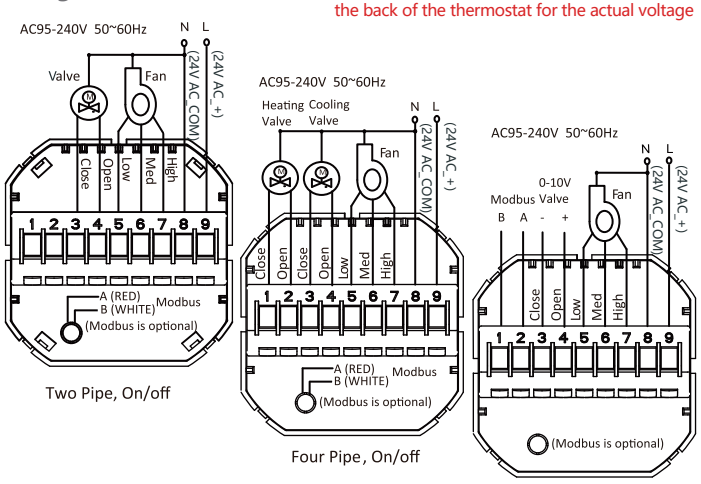
- 4-inch HD touchscreen, 480*480 IPS LCD, vibrant display with easy touch controls;
- Tempered glass keeps your screen free from scratches, handling daily scrapes with ease, maintaining a crystal-clear texture for long-term use;
- Sensitive interactive feedback, smooth operation with faster response times;
- One-touch switching for system mode, fan speed, operation mode, and screen off, with a more user-friendly layout;
- Power failure memory storage automatically backs up running data during unexpected power outages, resuming from the original settings after restart;
- 7-day, 6-time-slot independent programming mode preset adjustment;
- Supports local group creation and sharing for unlimited centralized control;
- Seamlessly integrates with Xiaodu, Amazon Echo, and Google Home for voice control;
- The app records temperature changes, providing a clear overview of fluctuations;

## Dimensions and appearance




## Wiring

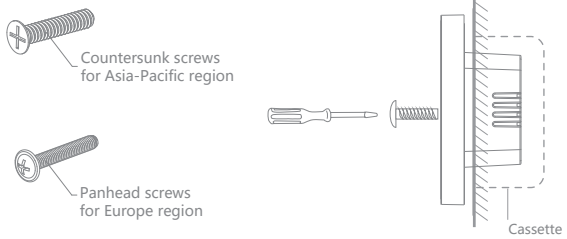
Please check the information laser printed on the back of the thermostat for the actual voltage




1.The distribution box must have a fire resistance rating of at least 5V.
2.There should be no other metal conductive objects in the distribution box.
3.The distance between the opening of the product body and the opening of the junction box should be at least 1 cm.
4.This product requires live and neutral wire power supply. Please ensure proper wiring in advance.

## Installation instructions

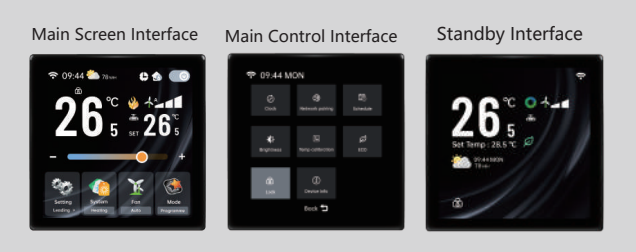
- Check the wiring to ensure secure terminal connections with no exposed wires.
- Use the correct type of screws, countersunk screws for Asia-Pacificregion, panhead screws for Europe region, to fix the base to thecassette, and then buckle back the panel.
- Please note that the screws should not be tightened too tightly during the installation process to avoid deformation or damage tothe screen or hardware.
- If you encounter any problem with the installation, do not press toohard to force the installation. You should level the wall first and check the bracket.




## Interface description

**For first-time use of this thermostat, ensure that the wiring is correctly installed. Once confirmed, turn on the power switch. The screen will light up.**

The BHT-2005 Smart Thermostat features full-screen touch control, allowing you to directly switch modes, calibrate the clock, set weekly programming parameters, and perform various other functions on the device




### Thermostat Network Configuration

① Search for "Smartlife" in Apple Store or Google Play （Fig 1.1） or scan the QR code on the instructions to download and nstall the App(Fig 1.2).

Fig 1.1

Fig 1.2 IOS/Android

②For the first-time use, please click the "Register "button to register an account; If you already have an account, click the "Login" button.

③ Connection Settings

Click the thermostat main screen settings option, select the network configuration option in the main control functions, and click the network configuration icon on the subpage. The icon will begin flashing (Fig. 2.1-2.3)

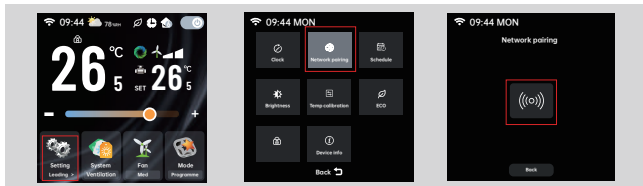


Fig 2.1 Fig 2.2 Fig 2.3

## Bluetooth Network Configuration

Turn on Bluetooth and WiFi on your phone, open the app, and follow the tutorial to complete the setup (Fig. 3.1-3.6)

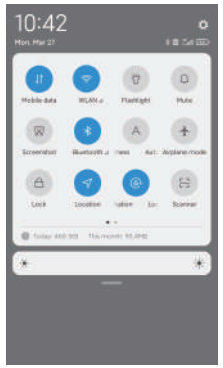



Fig3.1

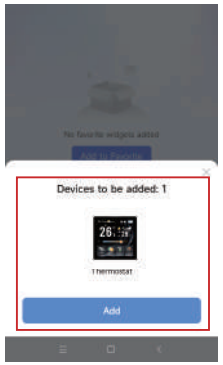



Fig3.2

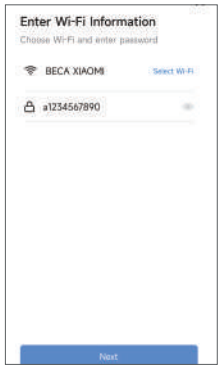



Fig3.3

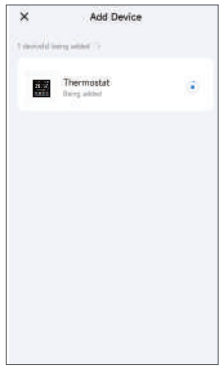



Fig3.4

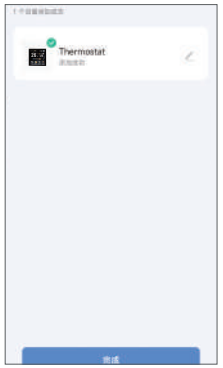



Fig3.5

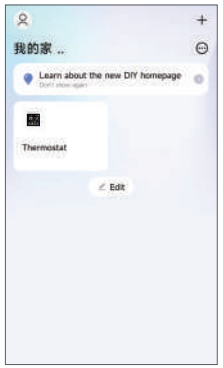



Fig3.6

## Compatibility Mode Network Configuration

Open the app, click "Add Device," and select the thermostat option for network setup (Fig. 3.1 & Fig. 3.10-3.12)

Fig3.10

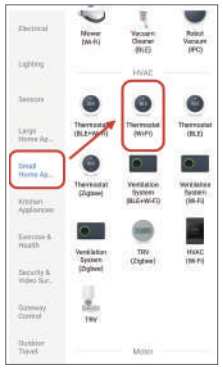


Fig3.11

Fig3.12

Follow the prompts and wait for the network configuration to complete (Fig. 3.13-3.15).

Fig3.13

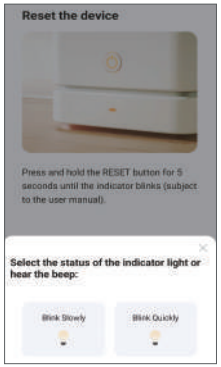



Fig3.14

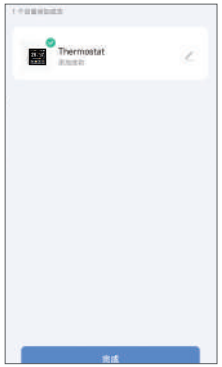



Fig3.15

## QR Code Network Configuration

Open the app, scan the QR code (Fig. 3.8) for network configuration (Fig. 3.1 & Fig. 3.7-3.9). After a successful scan, follow the on-screen instructions for further setup.

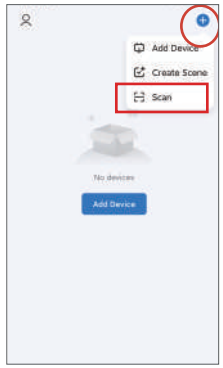



Fig3.7

Scan the QR code in the app for quick thermostat pairing

Fig3.8

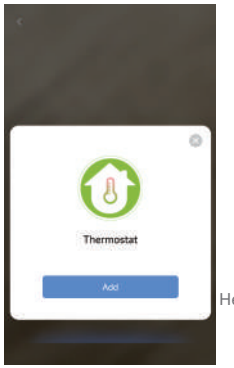
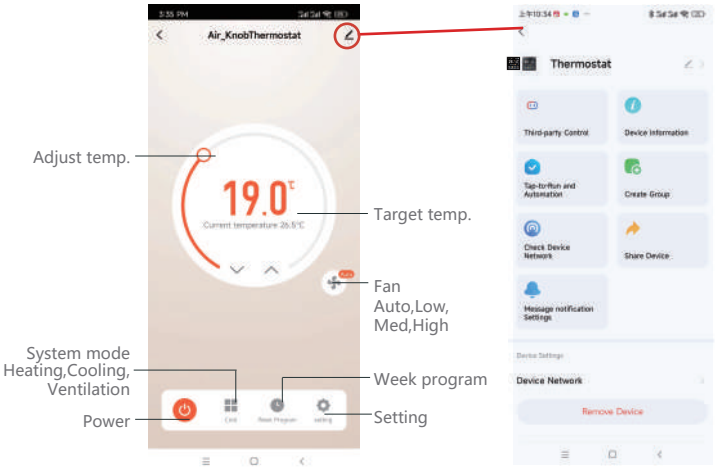
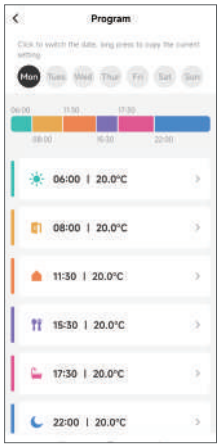


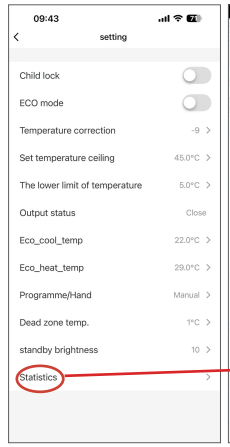

Fig3.9

## APP operation interface description (FCU thermostat)

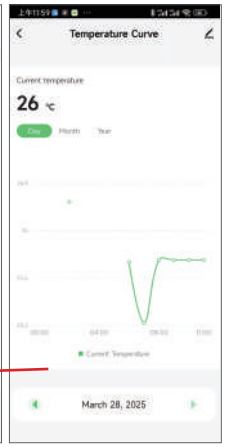



Program schedule




Setting




Statistics

## Default settings for program schedule

| Time display | MON | | TUE | | WED | | THU | | FRI | | SAT | | SUN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time | Temp. | Time | Temp. | Time | Temp. | Time | Temp. | Time | Temp. | Time | Temp. | Time | Temp. |
| Period 1 | 06:00 | 20 | 06:00 | 20 | 06:00 | 20 | 06:00 | 20 | 06:00 | 20 | 06:00 | 20 | 06:00 | 20 |
| Period 2 | 08:00 | 20 | 08:00 | 20 | 08:00 | 20 | 08:00 | 20 | 08:00 | 20 | 08:00 | 20 | 08:00 | 20 |
| Period 3 | 11:30 | 20 | 11:30 | 20 | 11:30 | 20 | 11:30 | 20 | 11:30 | 20 | 11:30 | 20 | 11:30 | 20 |
| Period 4 | 13:30 | 20 | 13:30 | 20 | 13:30 | 20 | 13:30 | 20 | 13:30 | 20 | 13:30 | 20 | 13:30 | 20 |
| Period 5 | 17:30 | 20 | 17:30 | 20 | 17:30 | 20 | 17:30 | 20 | 17:30 | 20 | 17:30 | 20 | 17:30 | 20 |
| Period 6 | 22:00 | 20 | 22:00 | 20 | 22:00 | 20 | 22:00 | 20 | 22:00 | 20 | 22:00 | 20 | 22:00 | 20 |

## Quick Solutions for Common Operational Issues

| No. | Phenomenons | Handling |
|---|---|---|
| 1 | Power is on but without display | Check if the terminals between panel and Power Unit Box is loosen |
| 2 | Without output but display works | Usea new panel or new Power Unit Box toreplace the old one |
| 3 | Room Temp. Is a lttle differentfrom the actual | On the main screen, select Temperature Compensation to adjust |

## Service

**Your thermostat carries an 24 months warranty from date of purchase. Service out with the warranty period may incur a charge. More detail please contact with us directly.**