# MICROWELL

# Installation and pairing guide



**Compatibility: HP900-1100-1500 BLACK INVERTER COMPACT & SPLIT,**

*Version:*  **20th June 2025**

## Needed equipment:

| Name/ code | Picture | | |
|---|---|---|---|
| **Screwdriver 1x** |  | | |
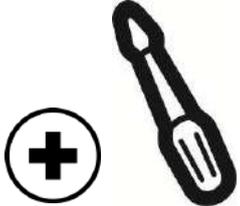
## 1.    INSTALLATION GUIDE

**1.1.** Equipment check – heat pump and WIFI module.



**1.2.** Turn the heat pump off by circuit breaker. Unscrew the top cap**.**

R e g i s t r a t i o n   a n d   p a i r i n g   g u i
d e   V e r s i o n :   0 6/ 2025                    Wi-Fi module for HP BLACK Inverter
P a g e   3
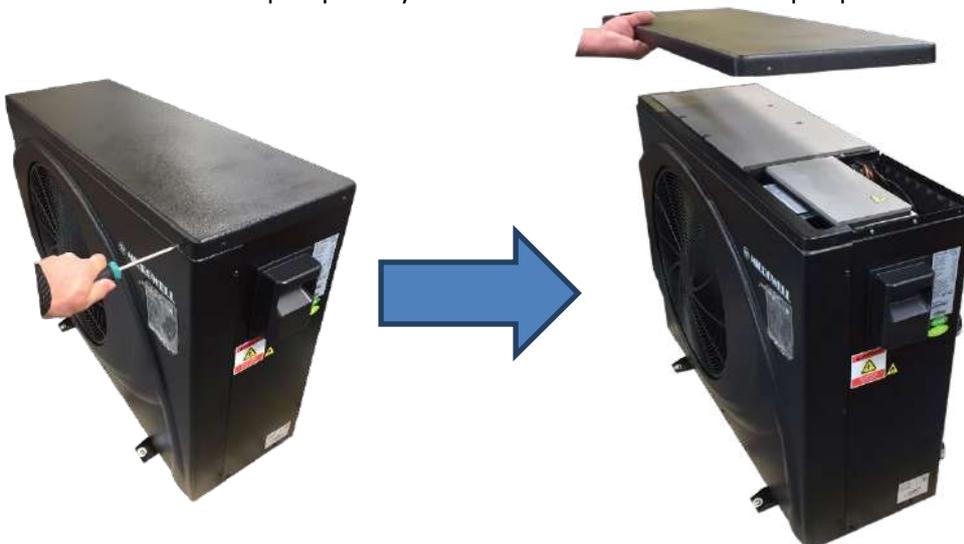
**1.3.** Look from the top for display connector and disconnect it**.**
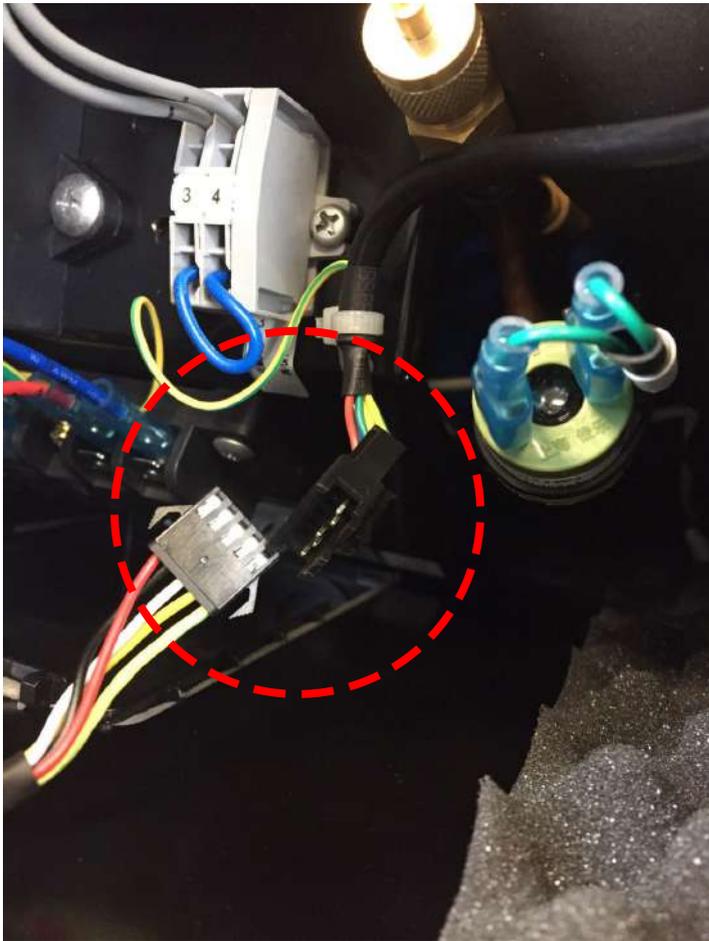


**1.4.** Unscrew the main electrical connection cover**.**
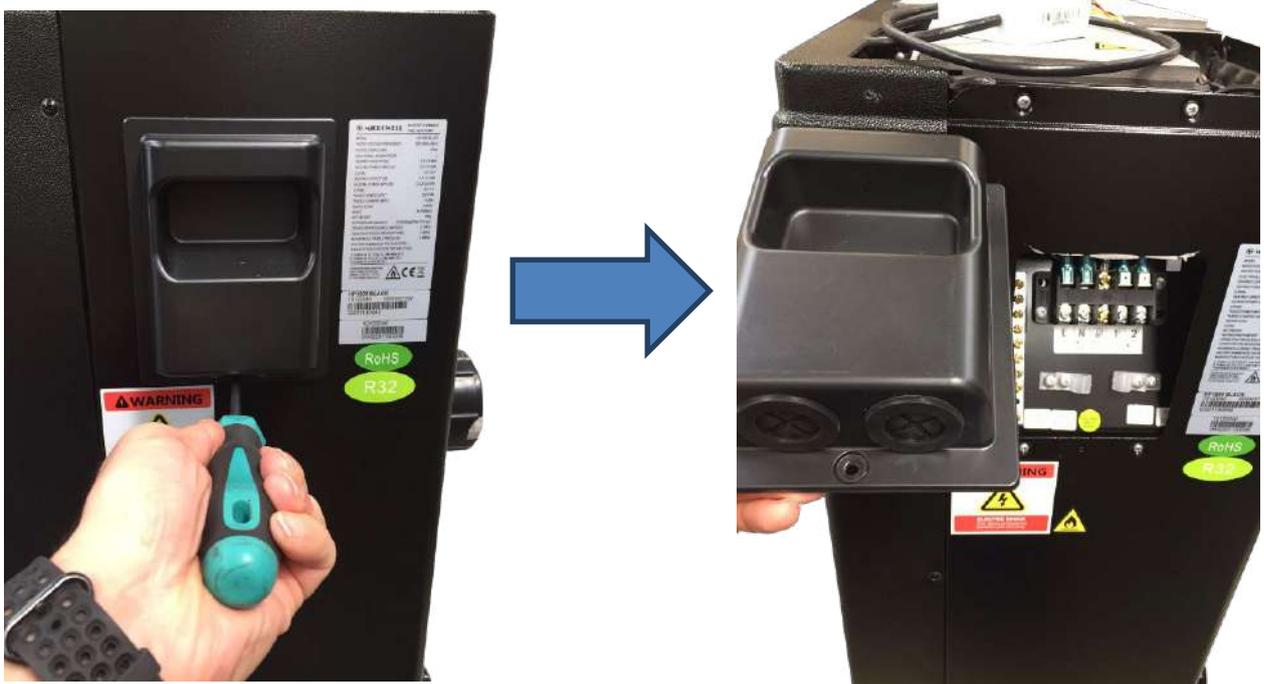
**1.5.** Take the double connector from WIFI package. Connect it to the heat pump's connector**.**
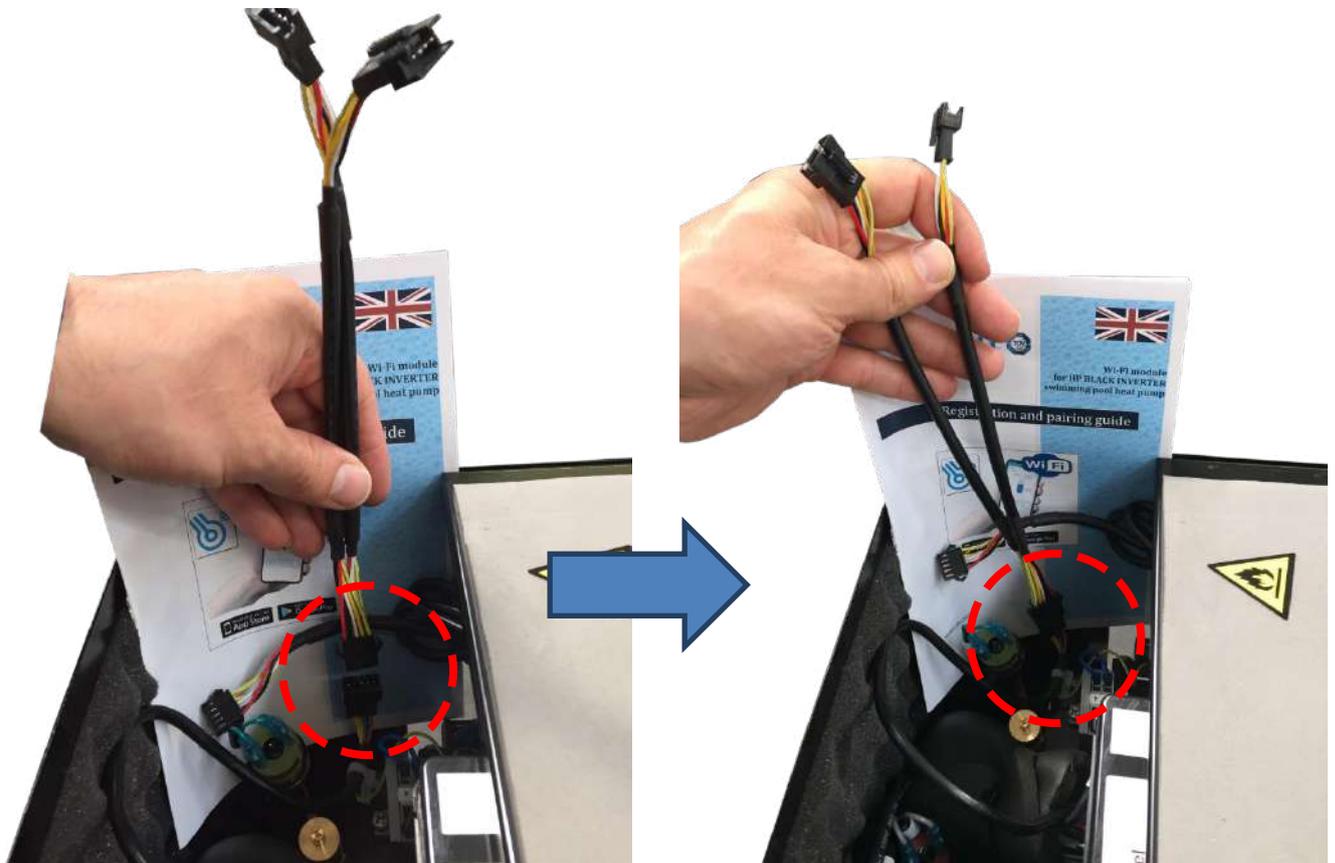


**1.6.** The opposite side of the double connector (2 connections) you need to connect 1 to display and 1 to the WIFI module. The order is not important, i.e. the connector is not numbered and you just need to connect 1 connector to WIFI and the other to display. Below picture shows connection to heat pump's built-in display.
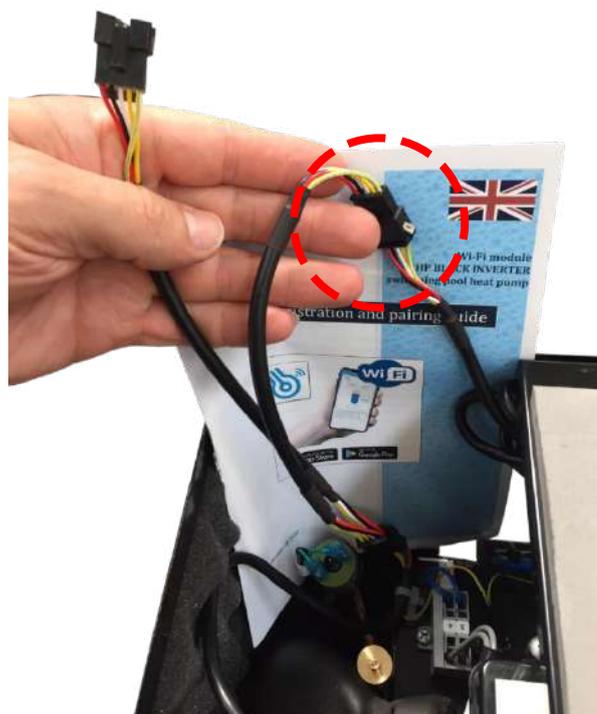
**1.7.** Remaining connector will be connected to the WIFI module. WIFI module has a magnet inside it and thus it can be affixed on the heat pump from the side. Insert the WIFI module's connector through the main electrical cover hole.
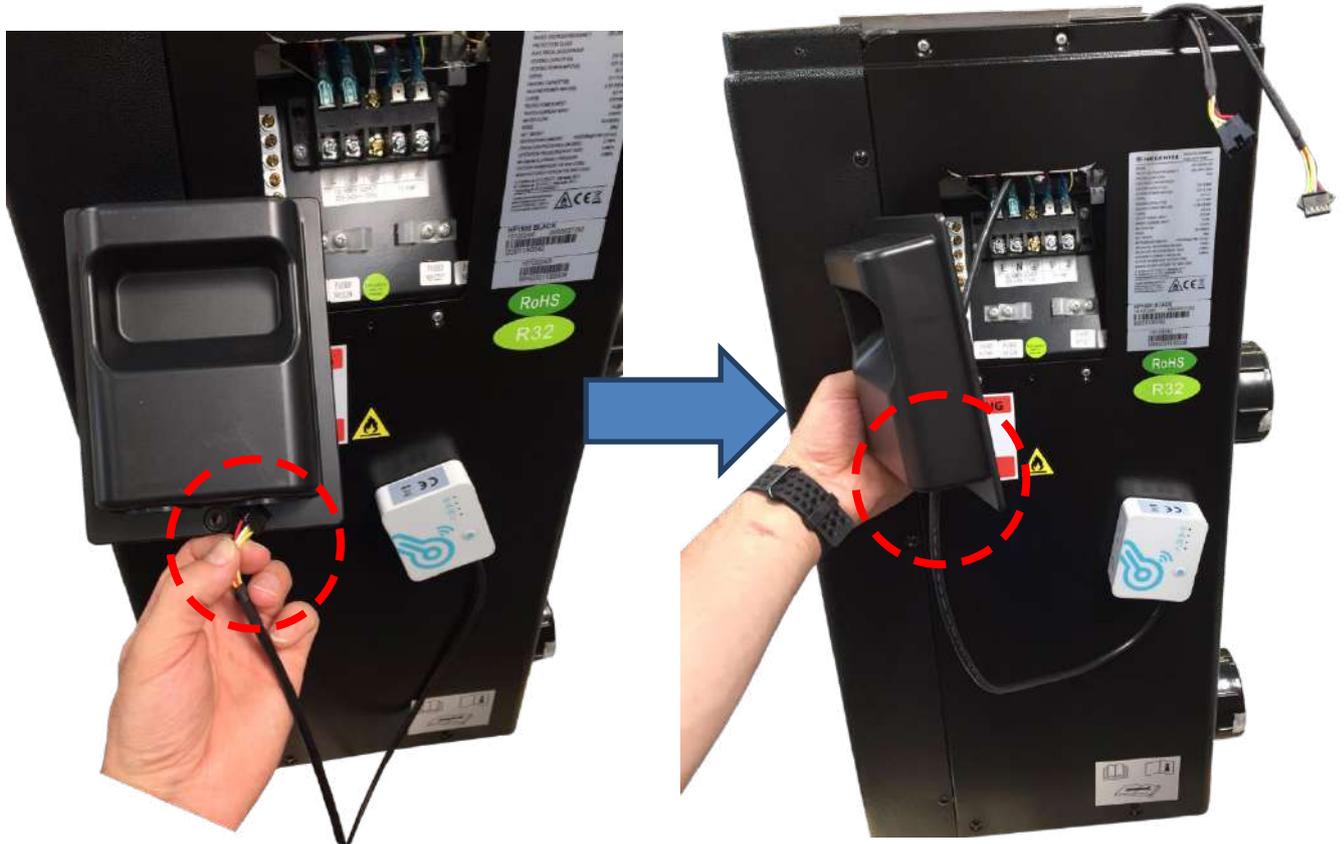


**1.8.** Now connect the remaining connector with the WIFI module.
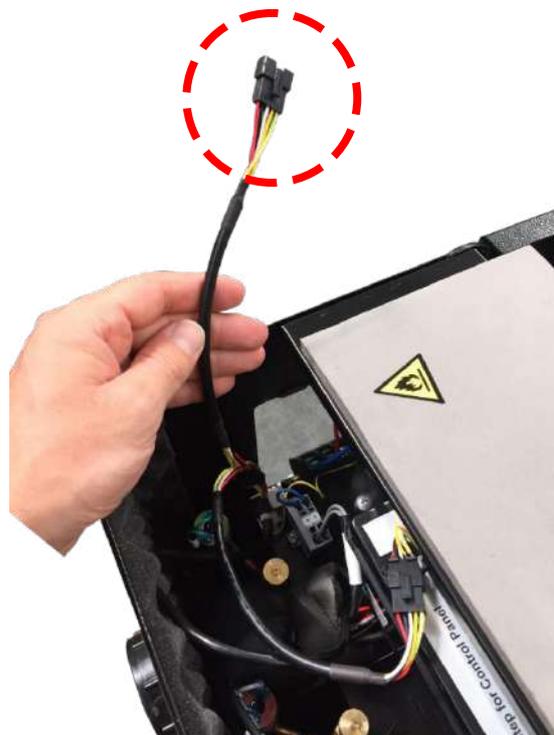
**1.9.** Affix the main electrical cover and top cap back onto the heat pump.



**1.10.** Turn the circuit breaker back on. Test the heat pump through the built-in regulation display. If all seems to work OK you can proceed with WIFI pairing. As per steps below.

## Basic Parameters

| Form | WiFi | Bluetooth |
|---|---|---|
| Transmission frequency (GHz) | 2.412~2.472 | 2.402~2.480 |
| Max transmission power | 802.11b: +16dBm(@11Mbps) | 10dBm |
| | 802.11g: +15.5dBm(@54Mbps) | |
| | 802.11n: +15dBm(@HT20,MCS7) | |
| Power Supply Voltage (V) | 3.0~3.6 | |
| Supply Current | Peak (continuous transmission): 260mA | |
| | Average (STA, networked standby): 24mA(DTIM1) | |
| | Average (STA, 1KB/s): 54mA | |
| | Average (AP): 85mA | |
| Working Temp(℃) | -40~85 | |
| Storage Temp(℃) | -40~125 | |

## Disposal instructions

### Disposal of the old appliance

Appliance marked with the symbol shown here must not be disposed of in the domestic refuse. You are obliged to dispose of such old electronic appliances separately. Please consult your local authority about the possibilities of organised disposal. With this environment-friendly form of disposal, old appliances are recycled or used in other forms.

## Installation

- There is a magnet on the back of the WIFI module, it can be installed indoors or outdoors, and avoid  direct sunlight;
- Please scan the following QR code to download APP;

## *Functional Description*

State indicator

Configuration button

Short press:
Available to enter into AP
Link configuration mode.

The starte indicator status is as follows：
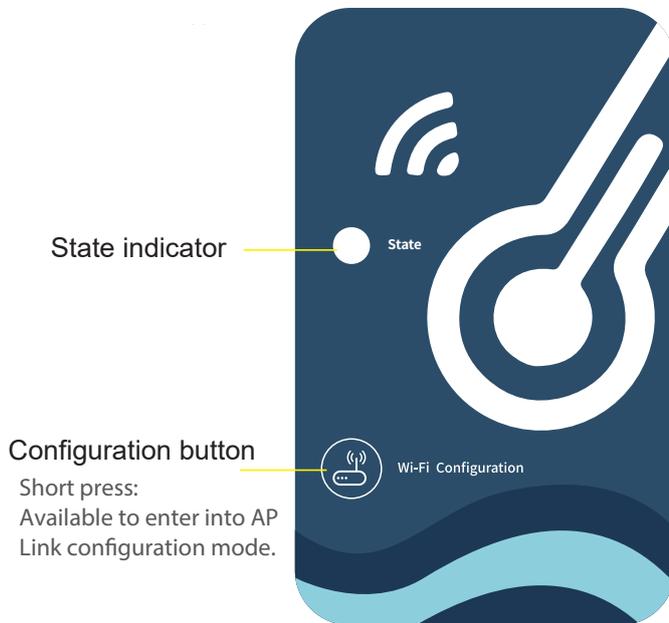
| Color | State |
|---|---|
| Red | Configuring Network |
| Purple | Connecting the router |
| Blue | Connecting to the server |
| Green | Normal communicate with server |
| Flicker | Abnormal communication with main board |

# Account Login

Use email address and password to register, login or reset the password.
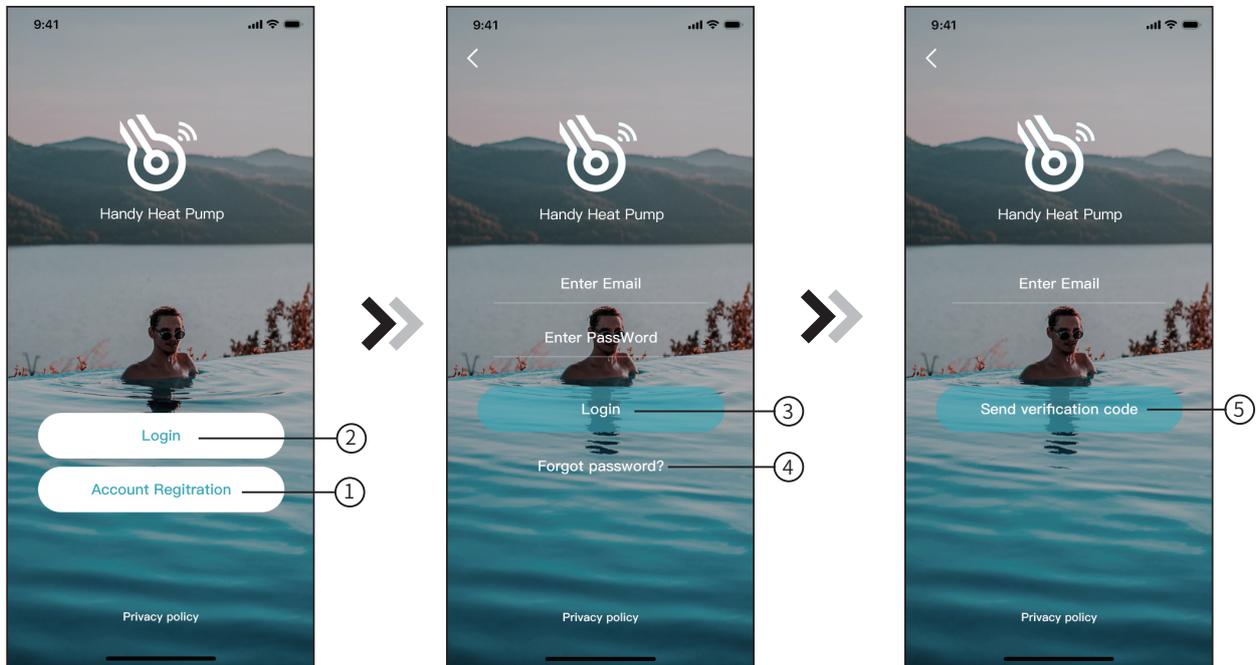


| Fig.1 Home page | Fig.2  Login interface | Fig.3 Register and retrieve passwords |

1. Account registration: Click① (Fig. 1) on the home page to jump to the account registration interface (Figure 3).

2. Login: Click② (Fig.1) on the home page to jump to the login interface (Fig.2) and follow the instructions on the page (as shown in the figure).Enter your registered email address and password, and click③  to jump to the device list.

3. Forgot Password: When you forget your password, click ④ (Fig.2) and jump to the password forgotten interface (Fig.3).Fill in the relevant information according to the page instructions, click⑤  to send the email verification code, and operate according to the page instructions.

# Add Device

After logging, displays My Device interface (Fig. 4) , follow the instruction to add WIFI or DTU.
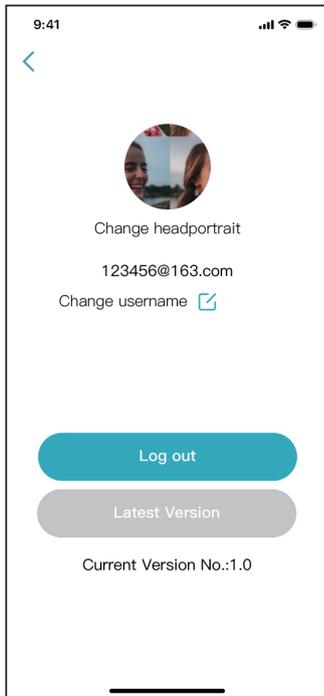


Fig.5 The left-hand menu



Fig.4 My Device interface
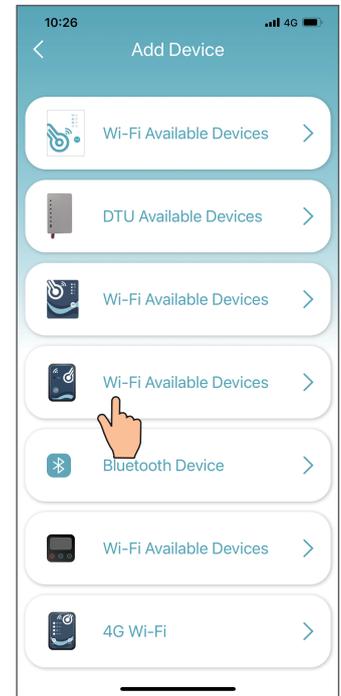


Fig.6 Add Device interface

# WIFI Configure Network
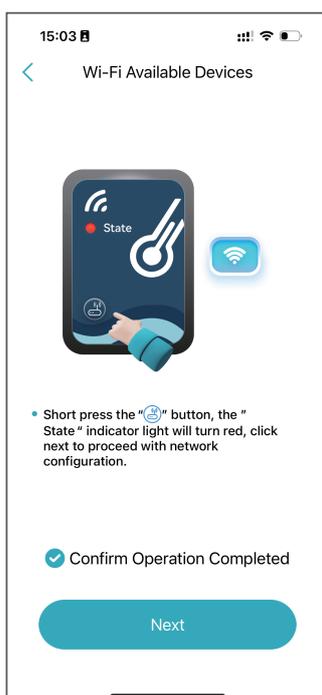


Fig.7 WIFI Module On interface
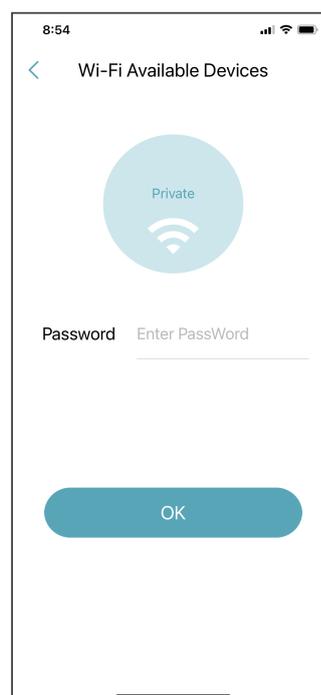


Fig.8 Enter password interface

## *WIFI Configure Network*

1. Follow the instructions on the page (Fig.7), press button on module and hold for 1s till two lights o

then AP connection is activated;

2. Click "Next" to enter the wifi password for the current connection(Fig 8), the APP automatically search

for wifi module (Fig 10）；
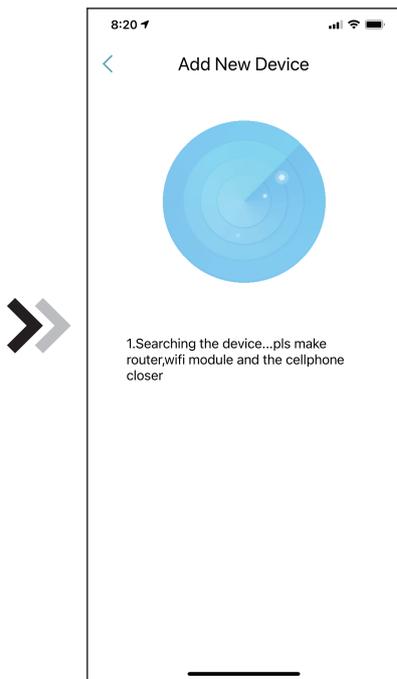


Fig.9 Searching device interface
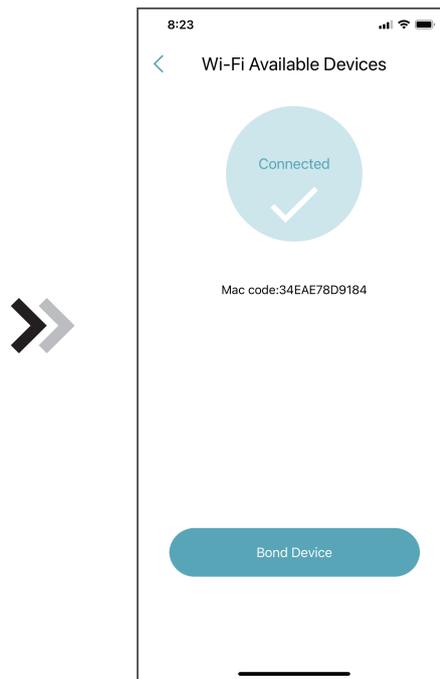


Fig.10 Bond device interface
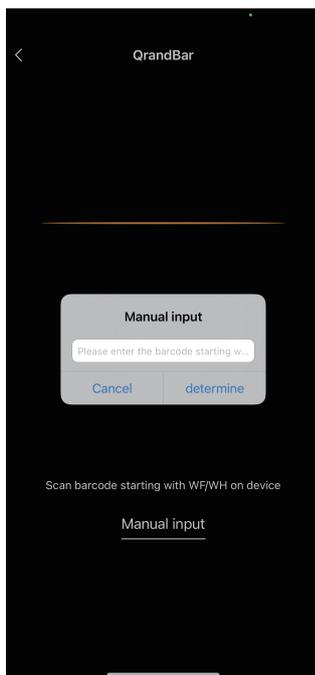


Fig.11.2 Manual input interface
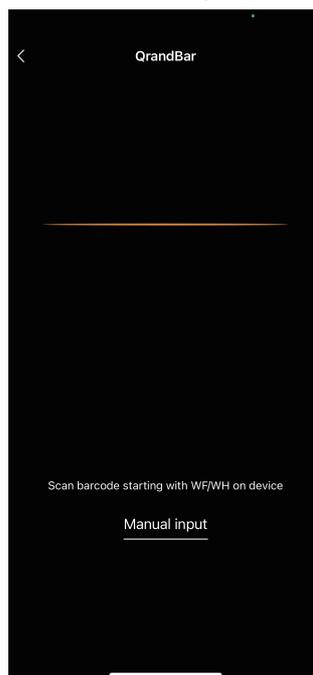


Fig.11 Scanning interface



Fig.11.1 WF/SN barcode

3. Click "Bond device （Fig.10）to allow the App to use the camera for scanning the serial number/wifi code on the heat pump(Fig.11.1), or click "Manual input" to enter the serial number/wifi code(Fig.11.2).
4.Click "Bond device", device bond is done (Fig.12);
5. After WIFI bonding is done, and jump back to My Device(Fig. 13).
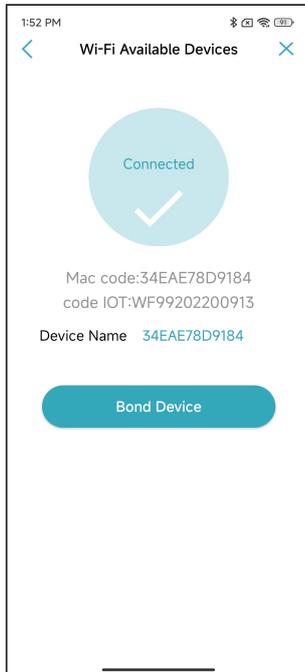


Fig.12 Bond Device interface
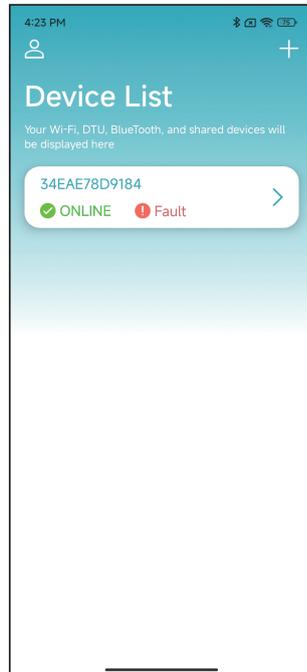


Fig.13 Device management interface



Fig.14 Device Main interface

# Device Management

Device management operations are as below :
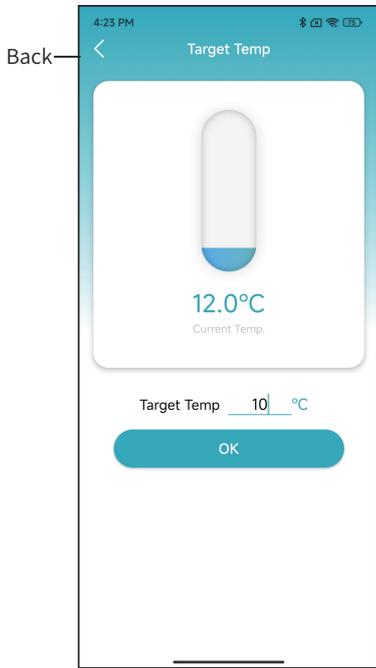

Fig.20 Modify target temperature


Fig.19 Device Main interface
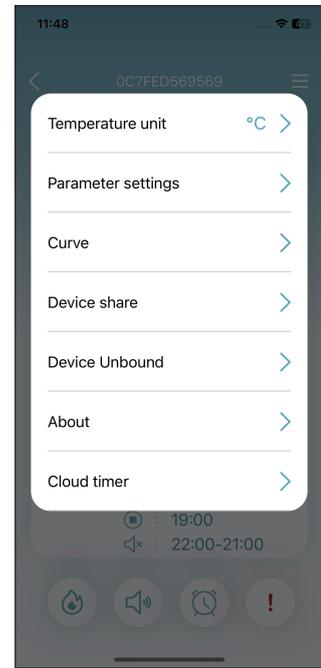

Fig.21 The right-hand menu interface
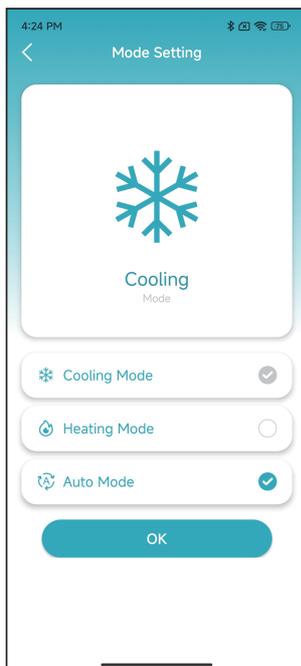

Fig.22 modify mode
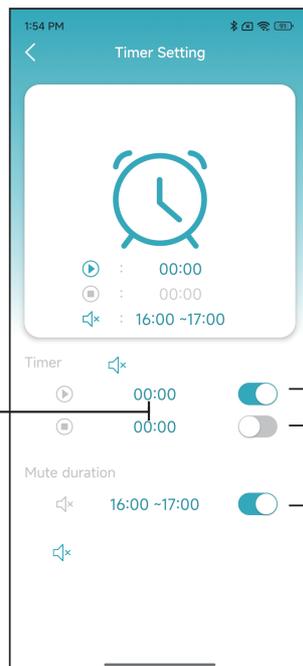

Fig.23 Timing Settings interface
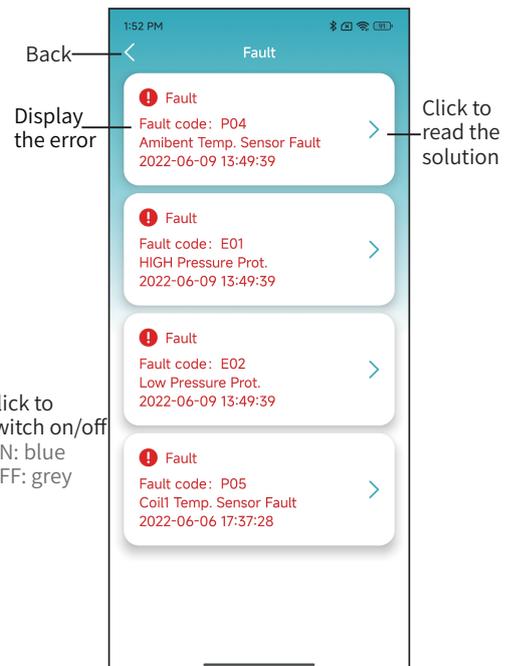

Fig. 24 Troubleshooting interface

Weak wifi signal alert

Fig.25 Device Main interface
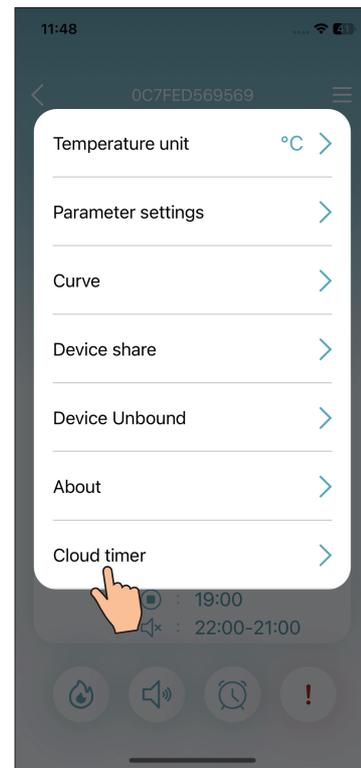


Fig.26 The right-hand menu interface
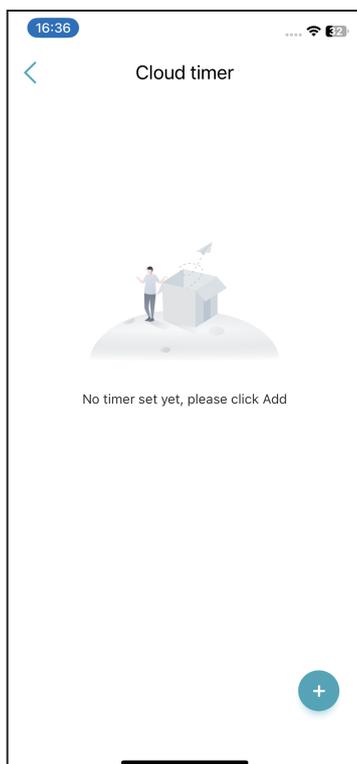


Fig.27 Cloud timer list
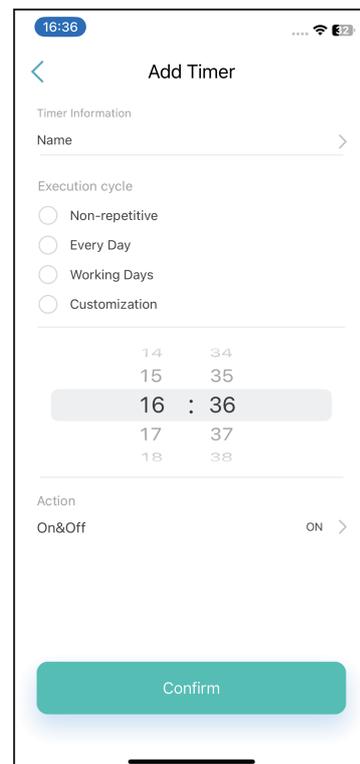


Fig.28 Cloud timer setting interface

| ICON | NAME | FUNCTIONS |
|------|------|-----------|
| ⏻ | ON/ OFF | Click it to turn on/ off the unit |
| 🔊 | Silent Mode Off | Display silent mode off, click it to activate the silent mode |
| 🔇 | Silent Mode On | Display silent mode on, click it to turn off the silent mode |
| | Mode shift | Mode changing: Cooling,Heating,Auto |
| ❄ | Cooling | Display Cooling mode, click it to change operating mode |
| 🔥 | Heating | Display Heating mode, click it to change operating mode |
| Ⓐ | Auto | Display Auto mode, click it to change operating mode |
| 🕐 | Timming settings | Click it to jump to the timer on/ off and mute timer setting interface |
| ! | Troubleshooting | Click it to jump to the troubleshooting interface |

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