MICROWELL

**Wi-Fi module
Installation for swimming
pool heat pump HP BLACK
INVERTER**

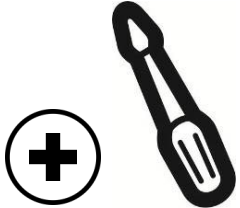## Installation and pairing guide

Available on the App Store

GET IT ON Google Play

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

year of manufacture: 2022
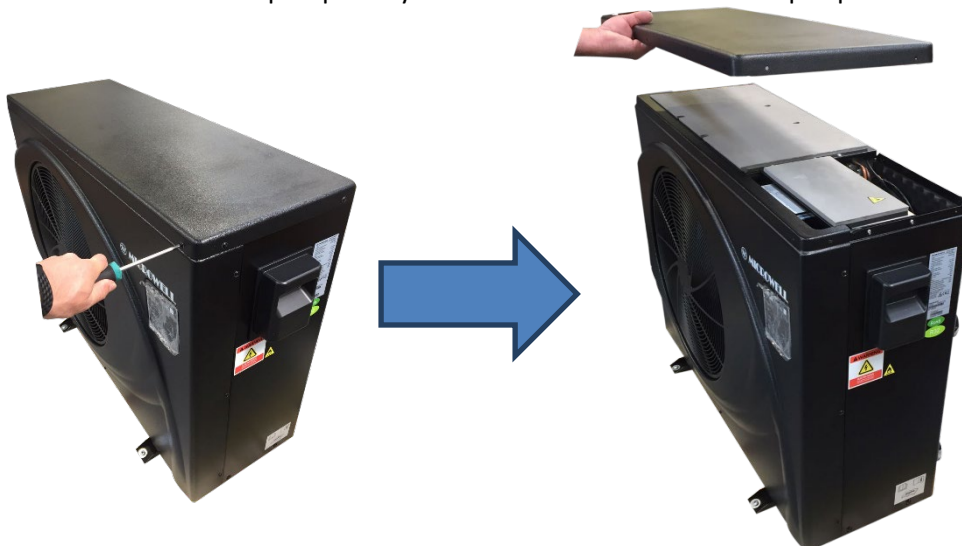
Version: **13th May 2022**

Needed equipment:

Name/ code	Picture		
Screwdriver 1x			

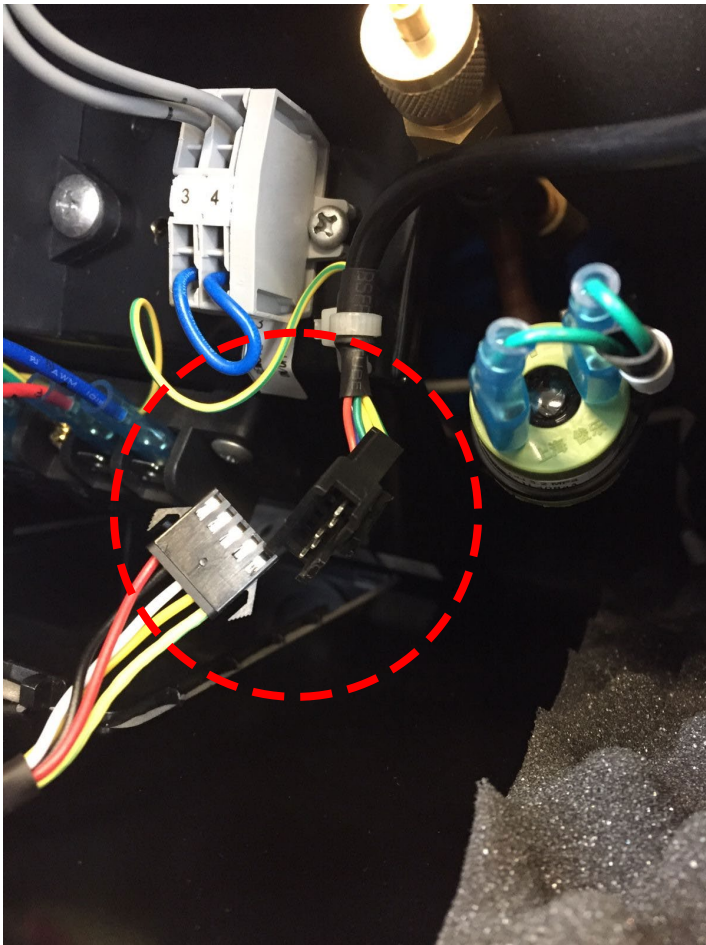## 1.   INSTALLATION GUIDE

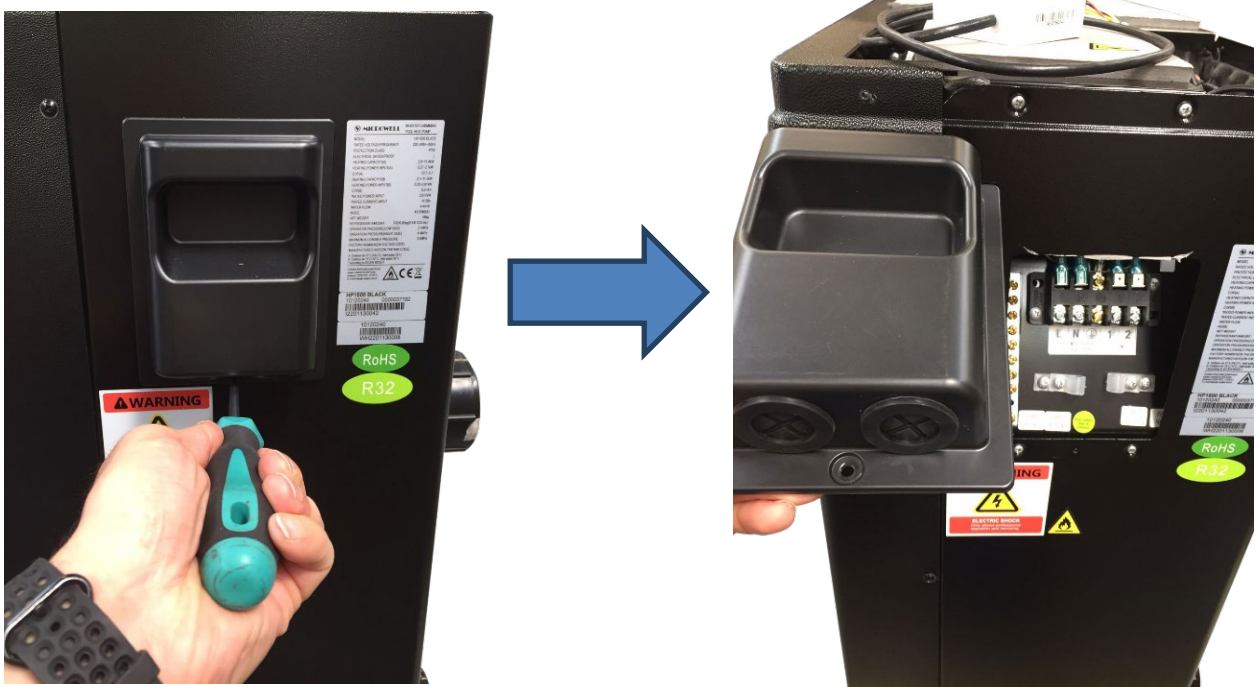**1.1.** Equipment check – heat pump and WIFI module.

1.2. Turn the heat pump off by circuit breaker. Unscrew the top cap**.**
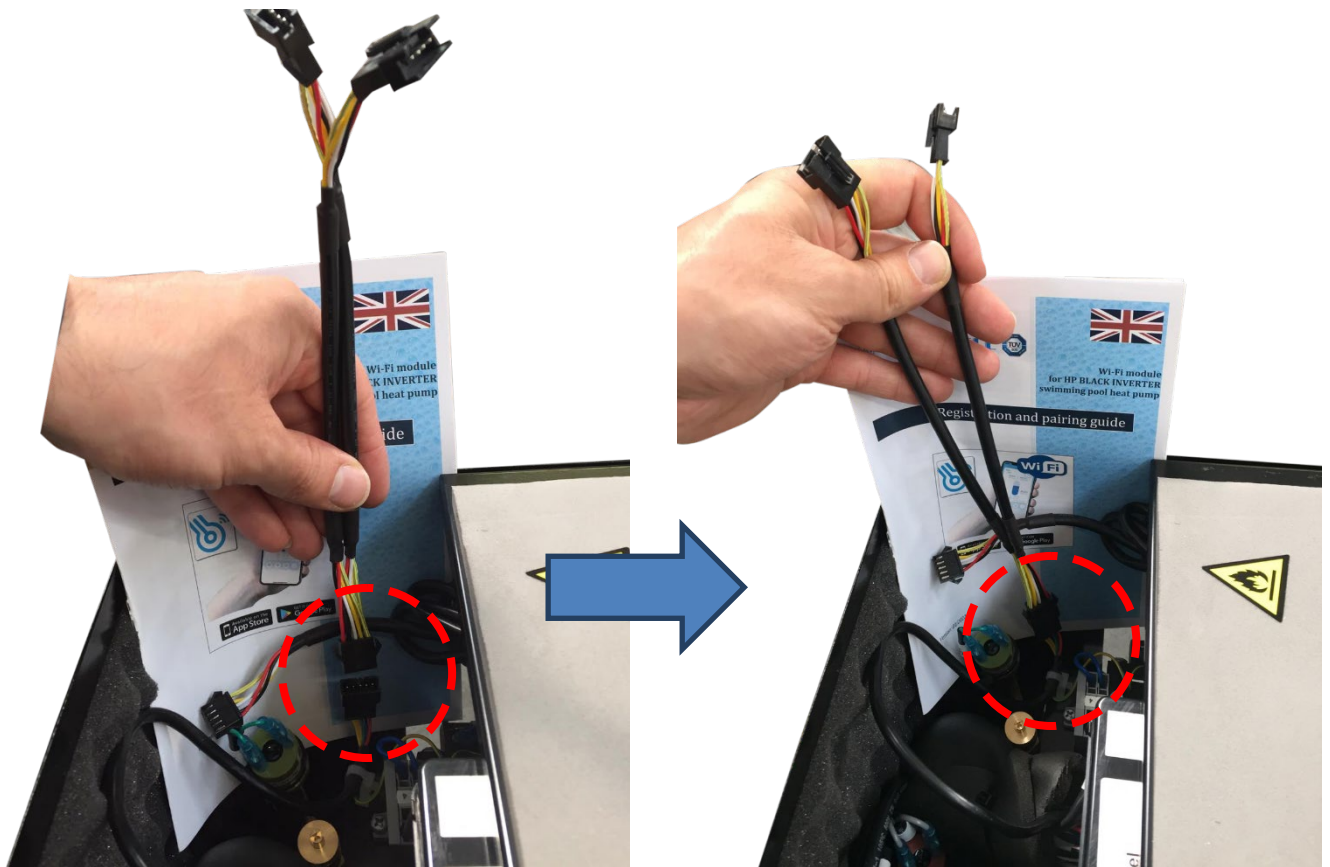
**1.3.** Look from the top for display connector and disconnect it.

**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.
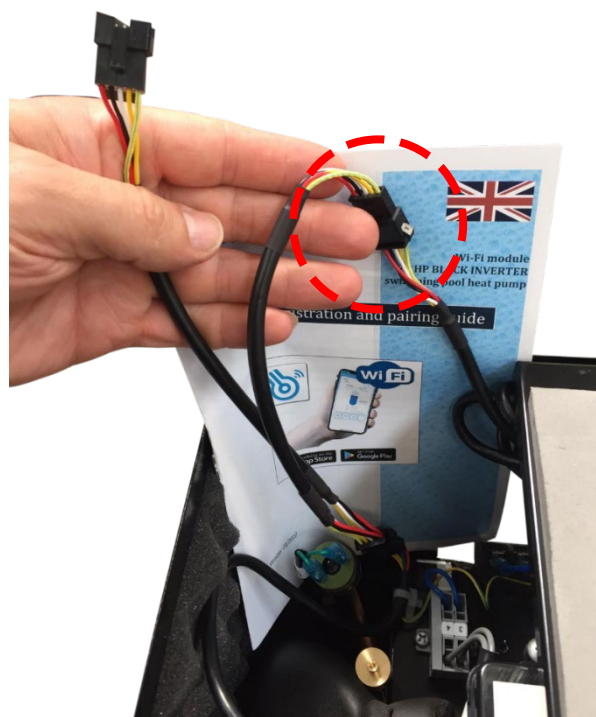
1.7. Remaining connector will be connected to the WIFI module. WIFI module has a magnet inside it and thus it can be affixed on the heat pump from the side. Insert the WIFI module's connector through the main electrical cover hole.
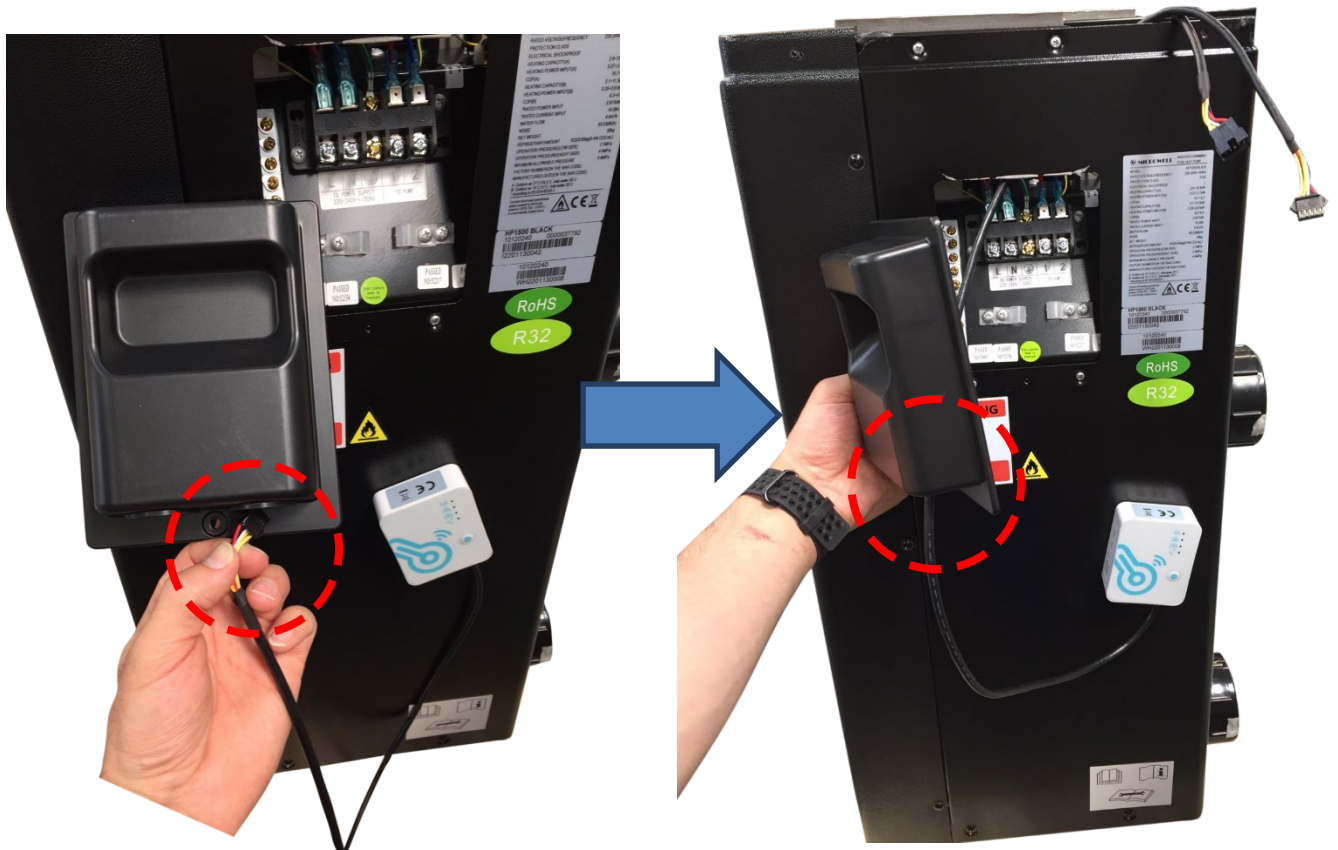
1.8. Now connect the remaining connector with the WIFI module.
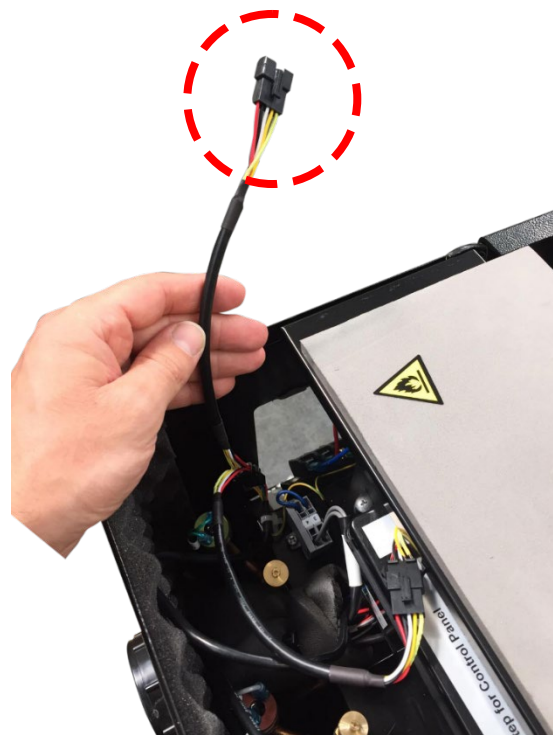
1.9. Affix the main electrical cover and top cap back onto the heat pump.

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.

2.   REGISTRATION AND PAIRING GUIDE

By downloading and using this application You accept that Microwell, spol. s.r.o. is a third-party application broker and is not responsible for any technical conditions of its use.

User Privacy Instructions

We take your privacy very seriously and we promise to inform you how we use the data. Users' private data, such as mailboxes, address, before uploading to the cloud, we will get your permission, and we will work hard to protect your data security.

Description

- Receive data signal from cloud server and transmit to the main device;

- Receive data signal from main device and transmit to cloud server;

- To achieve remote upgrade the WIFI module baseplate MCU by cloud server;

- To achieve the remote upgrade of the main device by WIFI module baseplate MCU.

Technical Parameters

OPERATING VOLTAGE: DC8V~12V (Recommended value 12V)

OPERATING CURRENT: Max. recurrent peak 1A, average standby current 50mA

TEMP. RANGE: Operating Temp.: -30℃~+70℃; Storage Temp.: -40℃~+85℃

LED INDICATOR LIGHT: 4 lights, Network configuration indicator,router connection indicator, cloud server connection indicator, 485 communication indicator;

DIMENSION (L×W×H) :   78mm×63mm×24mm

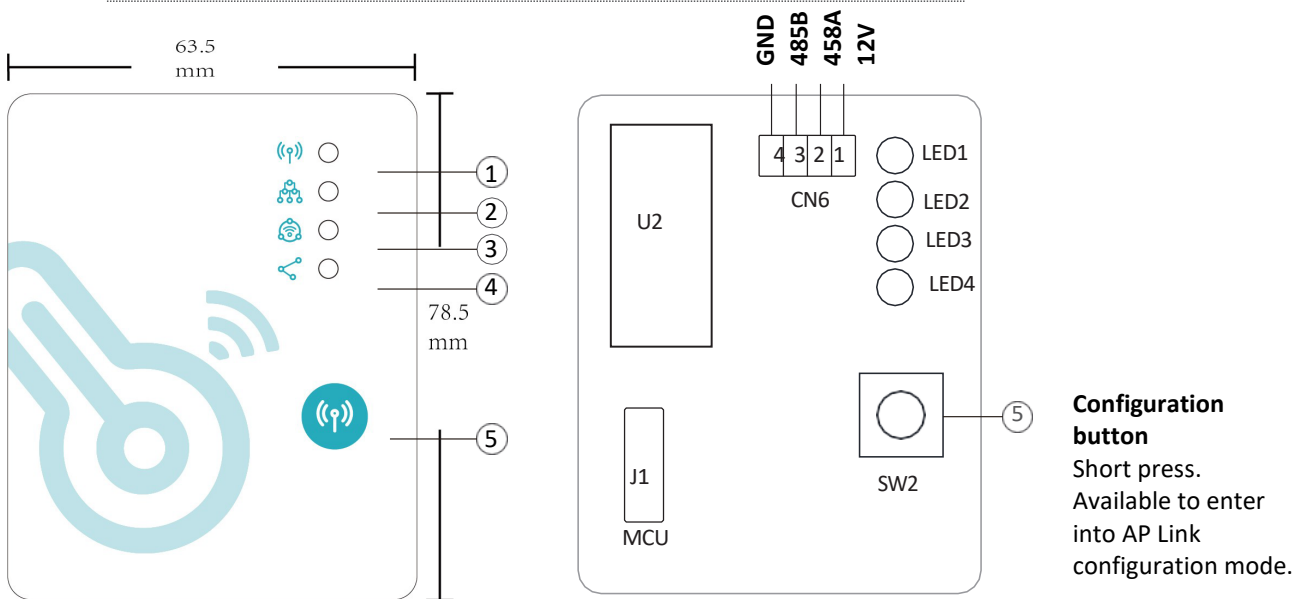Transmit frequency: 2412-2472 MHz

Transmit power max. : < 20dbm

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

ITEM	NAME	LONG LIGHT	SLOW FLASH	EXTINGUISH
1.	Network configuration indicator	Configuring Network	SmartLink configuring	Done
2.	Router connection indicator	Normal	Abnormal	---
3.	Cloud server connection indicator	Normal	Abnormal	---
4.	485 communication indicator	Normal	Abnormal	---

Account Login

Use email address and password to register, login or reset the password.
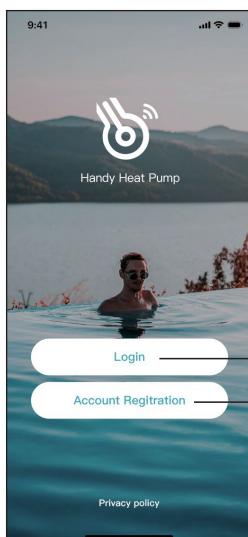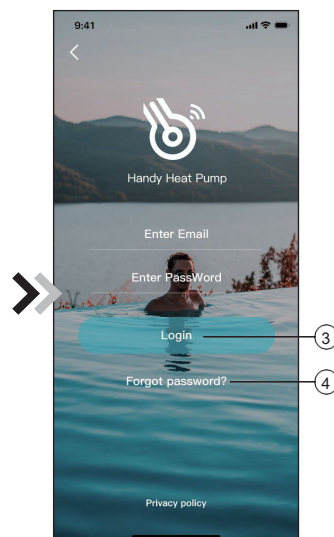
Fig.1   Home page   Fig.2   Login interface   Fig.3   Register and retrieve passwords
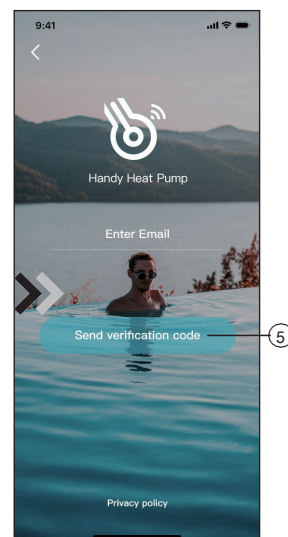
1. Account registration: Click ① (Fig. 1) on the home page to jump to the account registration interface (Fig. 3).
2. Login: Click ② (Fig. 1) on the home page to jump to the login interface (Fig.2) and follow the instructions on the page (as shown in the figure).Enter your registered email address and password, and click ③ 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, click ⑤ 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.
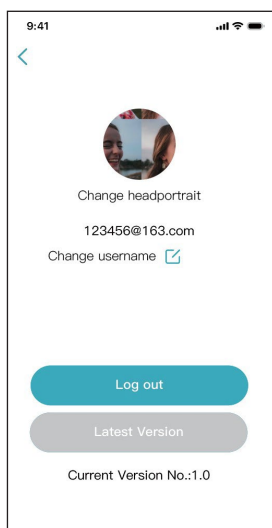
Fig.5   The left-hand menu   Fig.4   My device interface   Fig.6   Add device interface
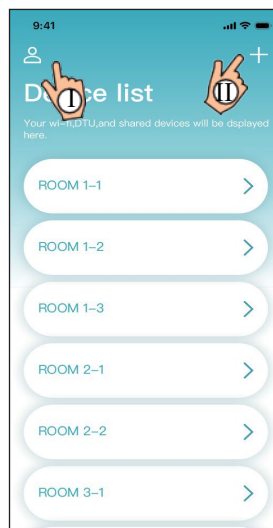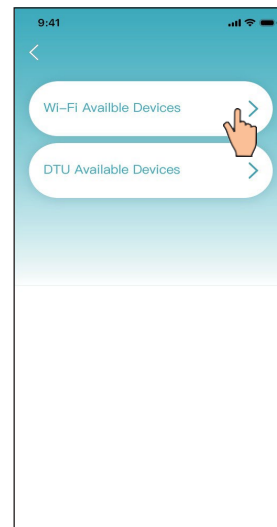
WiFi Configure Network
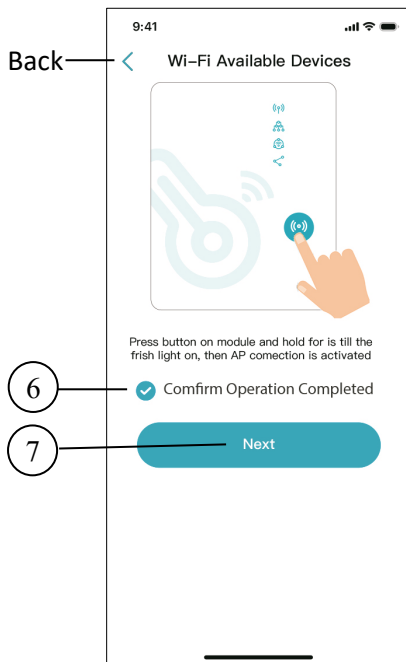
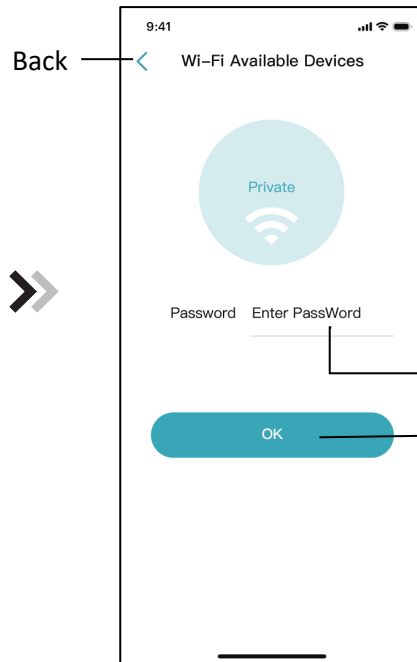Fig.7   WiFi Module on interface

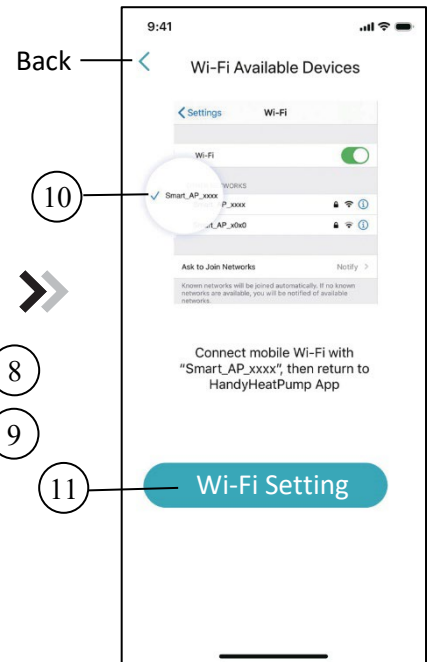Fig.8   Enter password interface

Fig.9   Connect specified WiFi

1. Follow the instructions on the page (Fig.7), press button on module and hold for 1s till two lights on, then AP connection is activated, click ⑥ to confirm, click ⑦ to turn the page;
2. Click ⑧ to enter the WIFI password for the current connection, click ⑨ to confirm;
3. Jump to system settings, connect specified WIFI, click ⑩ to select the "Smart_AP_xxx", click ⑪ to popup window(Fig.10), follow the instruction and then jump to WIFI setting interface(Fig.11).
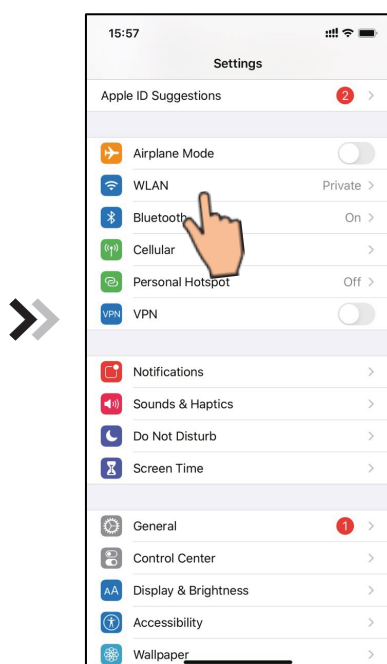
Fig.10   Setting interface
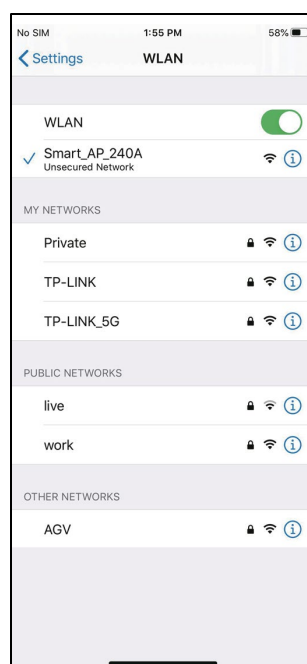
Fig.11   WiFi setting interface
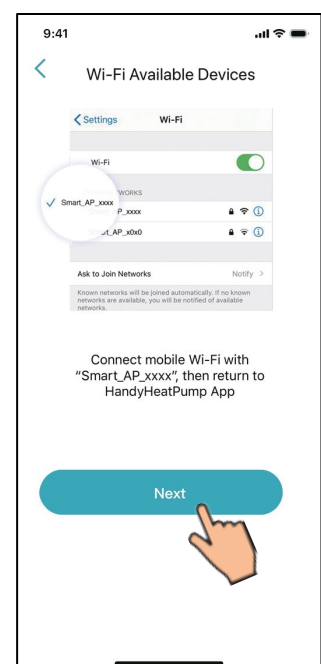
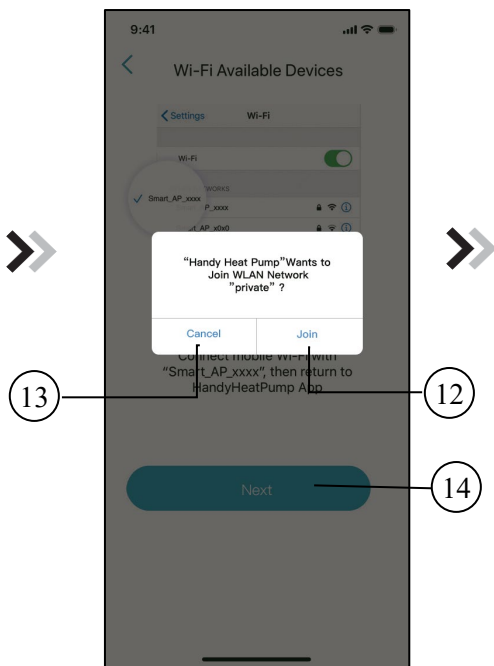Fig.12   Connect specified WiFi

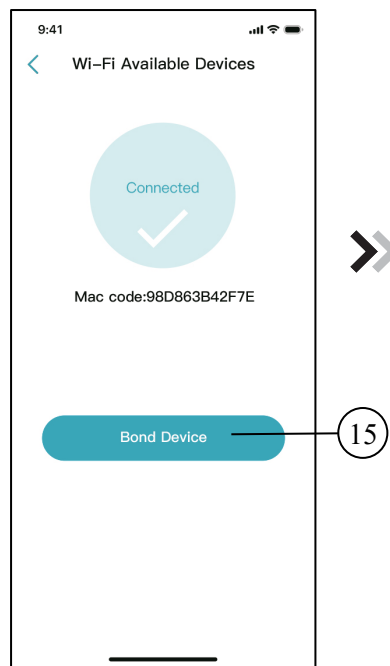Fig.13 Configure Network interface   Fig.14 Bond Device interface   Fig.15 Scanning interface
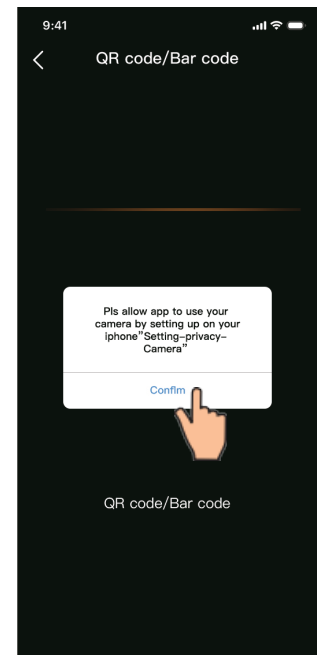
4. Slide the page back to configure network interface (Fig. 12), click ⑬ to cancel, Click ⑫ to popup window (Fig. 10), connect to the available WIFI network, and slide back to the page to configure the network. Click ⑭ to turn next page (Fig. 13); click⑮ to bond device (Fig. 14);

5. Click "OK" （Fig.15） to allow the App to use the camera for scanning the <u>WH barcode</u> on the heat pump unit (Fig.16);

6. Click "OK", device bond is done (Fig.17);

7. After WIFI and DTU bonding is done, and jump back to My Device (Fig. 18).
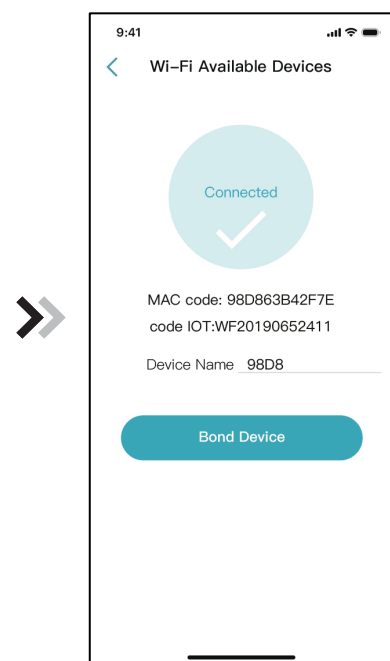

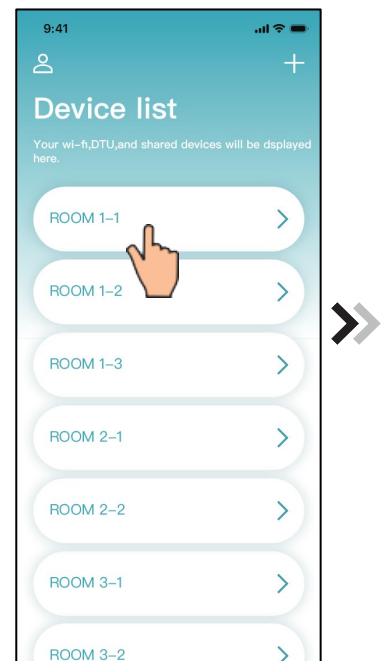Fig.16 WH barcode   Fig.17 Bond Device done interface   Fig.18 Device management interface

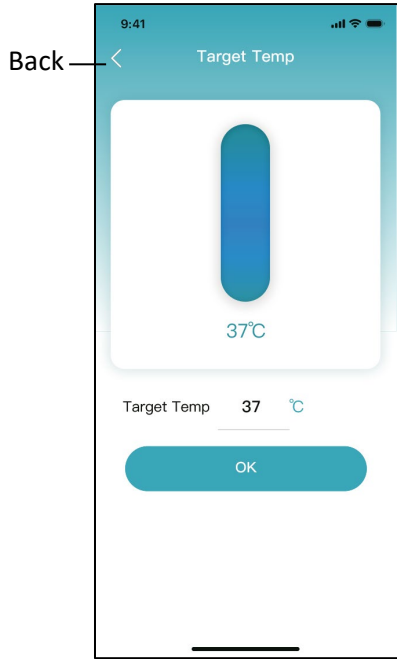# Device Management

Device management operations are as below:

Fig.20 Modify target temperature
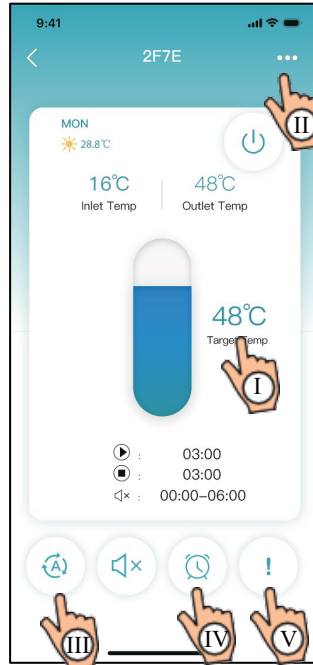
Back

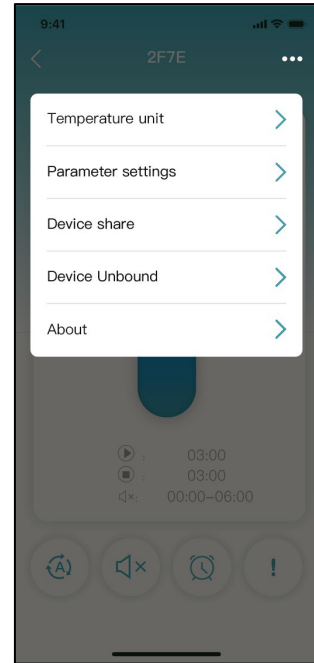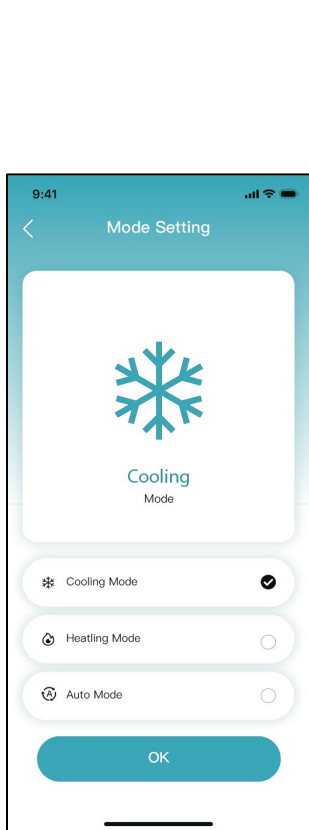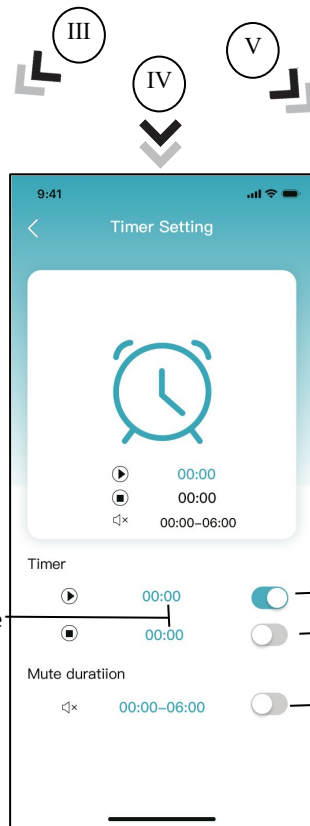Fig.19 Device main interface

Fig.21 The right -hand menu interface

Fig.22 Modify mode

Fig.23 Timing Setting interface

Click to adjust the timing settings

Click to switch on/off
ON=blue
OFF=grey

Fig.24 Troubleshooting interface

Back

Display the error

Click to read the solution

Fault
Fault Code：P02
Outlet temp：Sensor Fault
2020–04–16 09:37:30
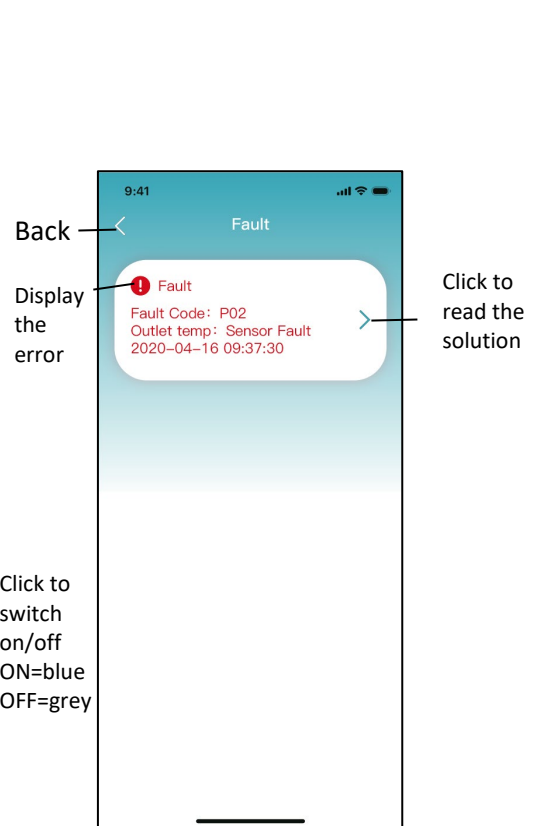
ICON	NAME	FUNCTIONS
	ON/OFF	Click it to turn on/ off the unit
	Silent Mode Off	Display silent mode off, click it to activate the silent mode
	Silent Mode On	Display silent mode on, click it to turn off the silent mode
	Mode shift	Mode changing: Cooling,Heating,Auto
	Cooling	Display Cooling mode, click 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
	Timing setting	Click it to jump to the timer on/ off and mute timer setting interface
	Troubleshooting	Click it to jump to the troubleshooting interface

Notes:

Notes:

Manufacturer:

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