



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

# Registration and pairing guide



Version: 01/2022

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## User Privacy Instructions

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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

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- 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

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

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

TEMP. RANGE: Operating Temp.: -30°C+70°C Storage Temp.: -40°C+85°C

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

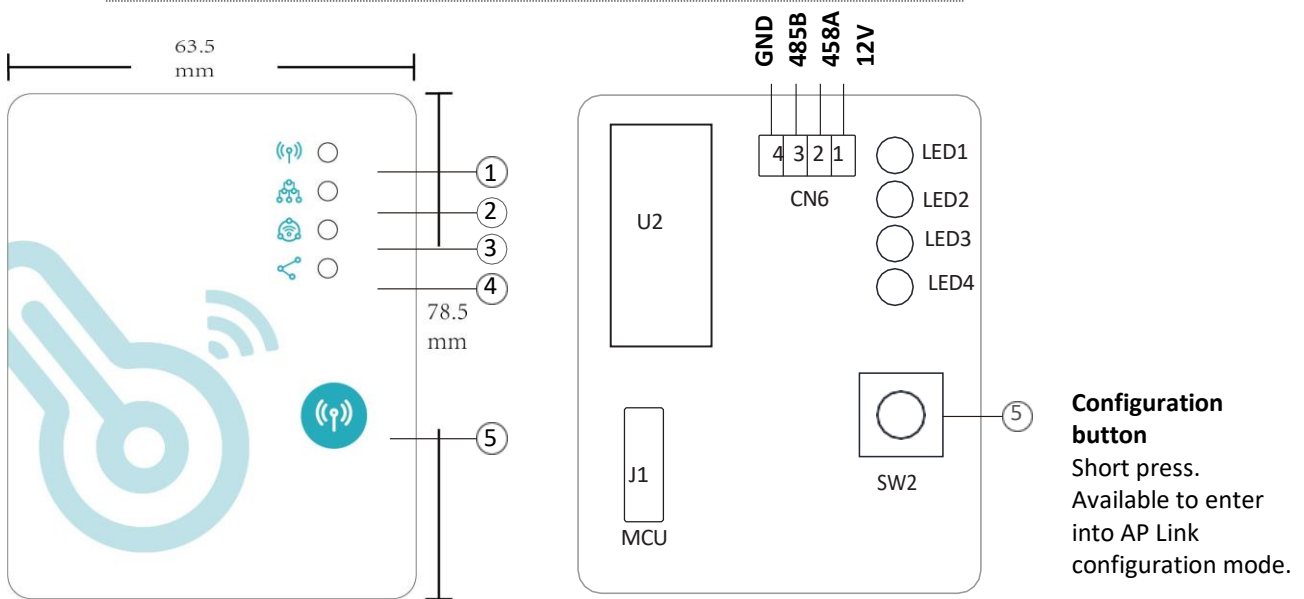
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There is a magnet on the back of the WIFI module, it can be installed indoors or outdoors, and avoid direct sunlight;

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.

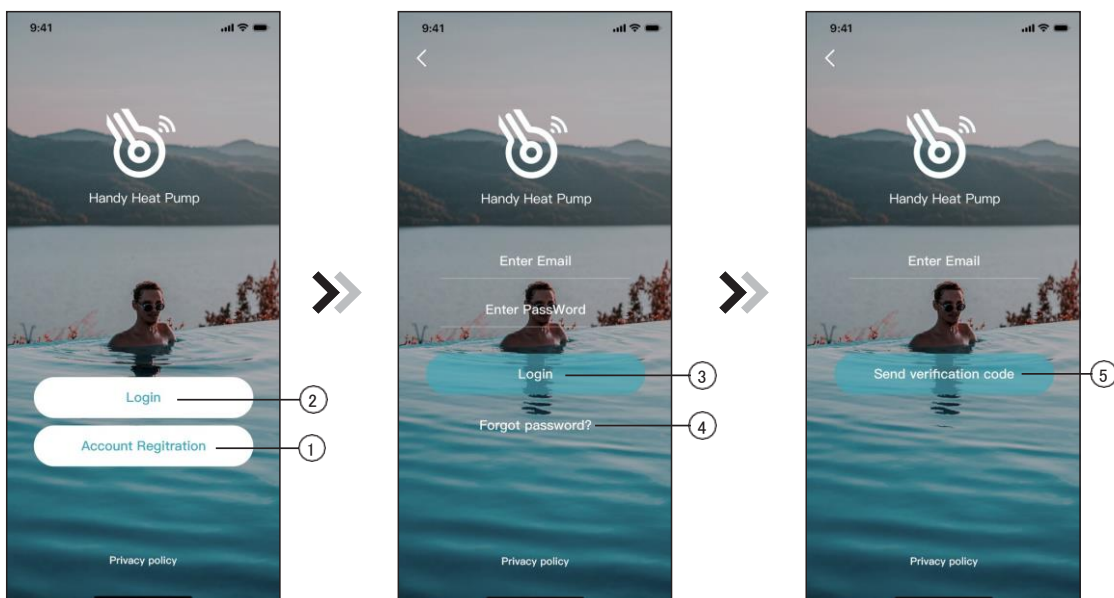


Fig.1 Home page

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.

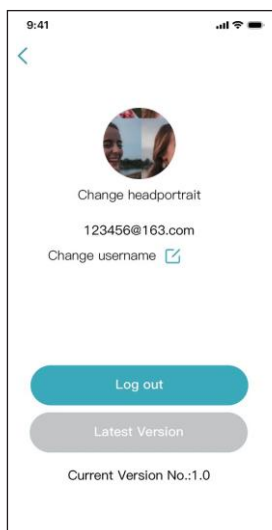


Fig.5 The left-hand menu

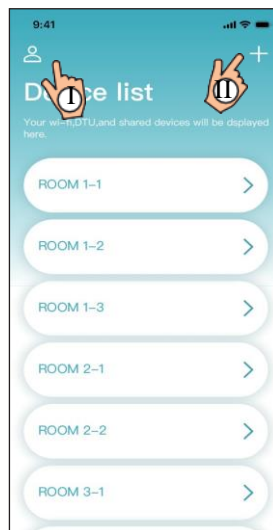


Fig.4 My device interface

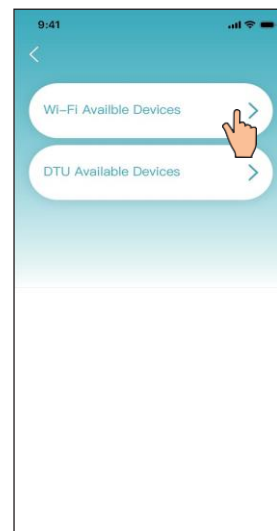


Fig.6 Add device interface

## WiFi Configure Network

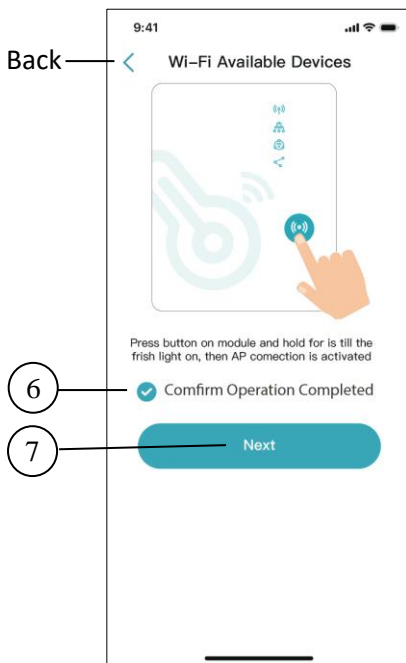


Fig.7 WiFi Module on interface

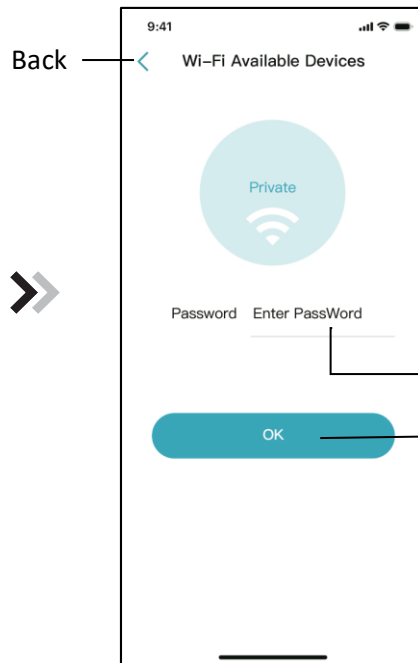


Fig.8 Enter password interface

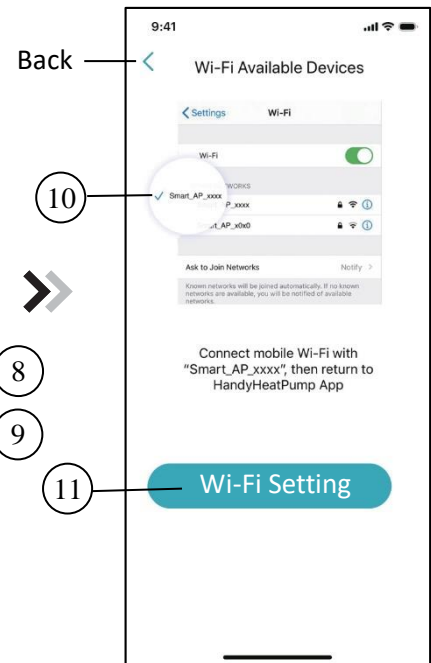


Fig.9 Connect specified WiFi

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).

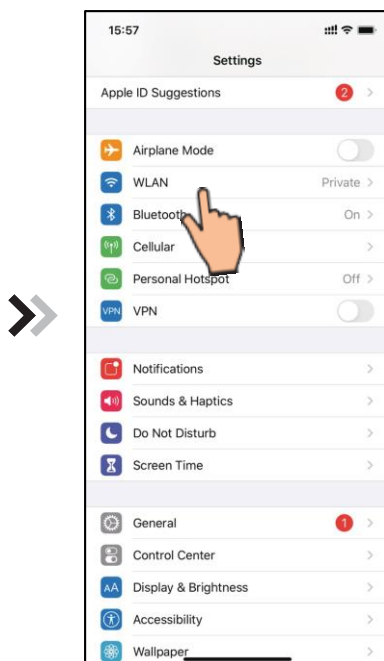


Fig.10 Setting interface

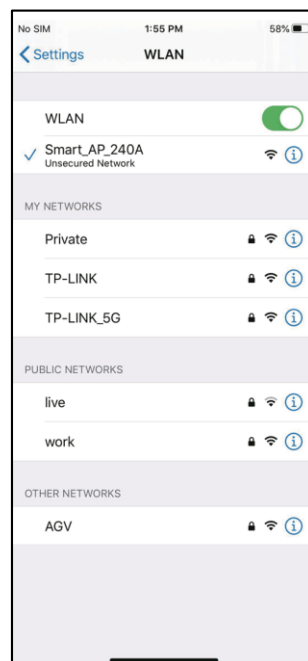


Fig.11 WiFi setting interface

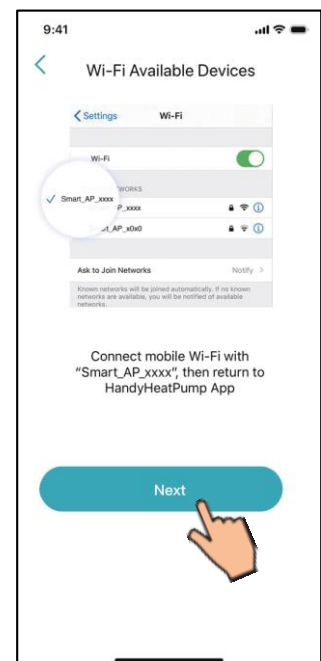


Fig.12 Connect specified WiFi

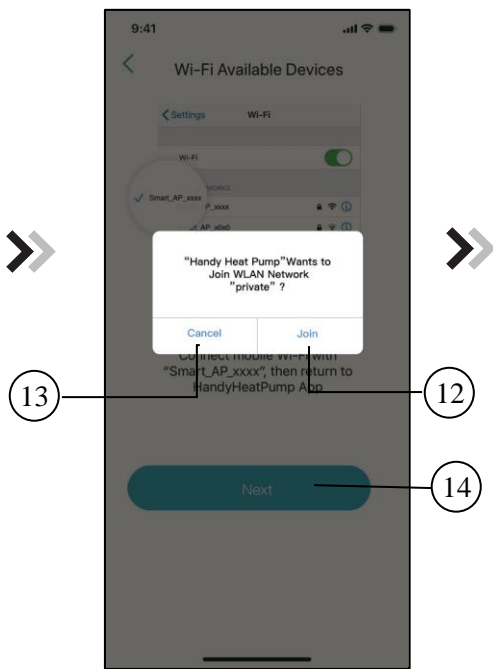


Fig.13 Configure Network interface

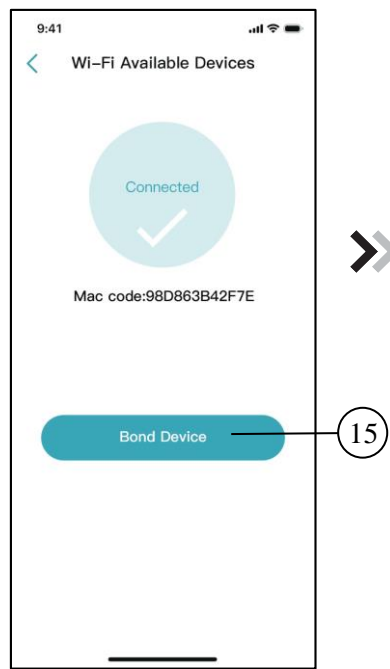


Fig.14 Bond Device interface

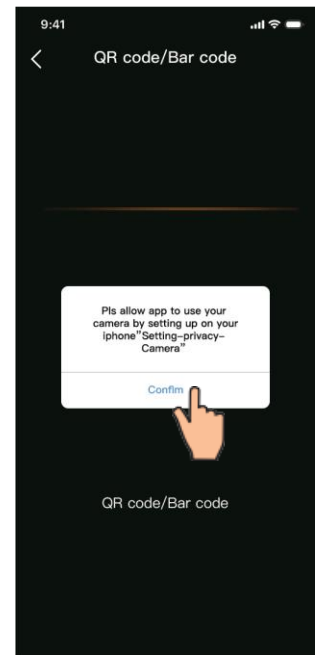


Fig.15 Scanning interface

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); click (15) to bond device (Fig. 14);
5. Click "OK" (Fig.15) to allow the App to use the camera for scanning the WH barcode 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

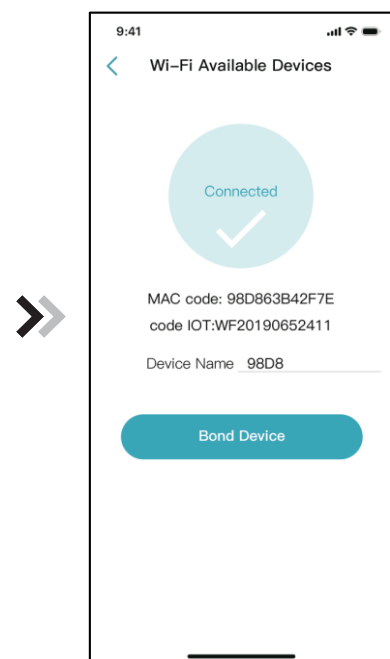


Fig.17 Bond Device done interface

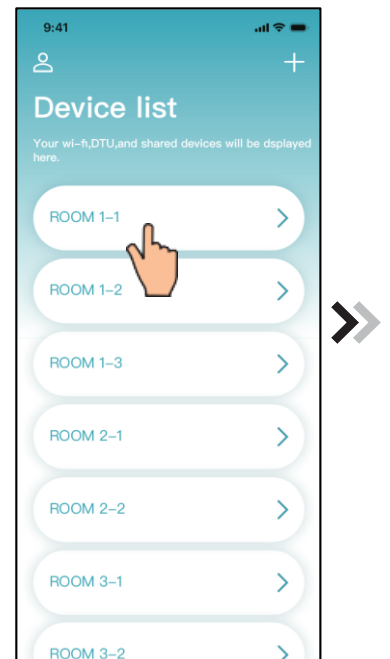


Fig.18 Device management interface

## Device Management

Device management operations are as below:

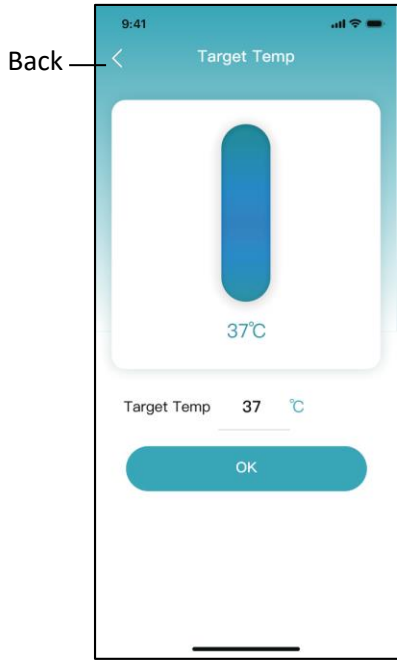


Fig.20 Modify target temperature

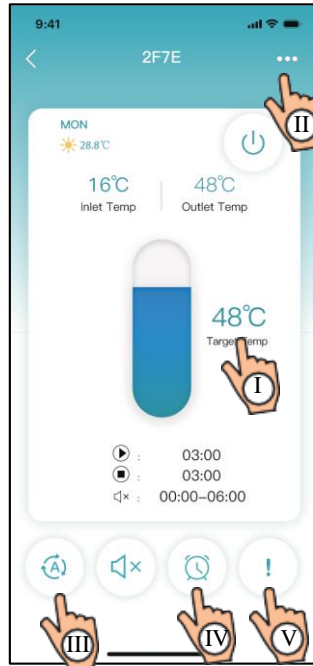


Fig.19 Device main interface

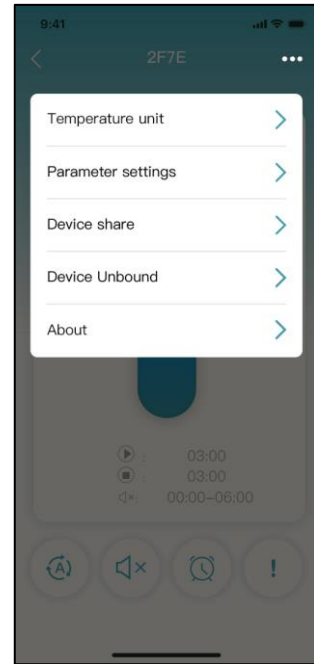


Fig.21 The right -hand menu interface

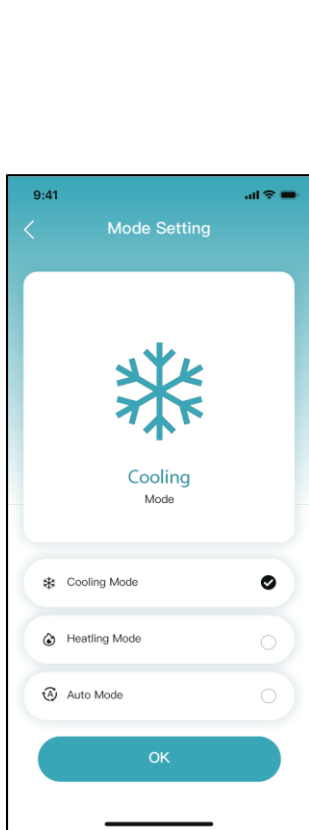


Fig.22 Modify mode

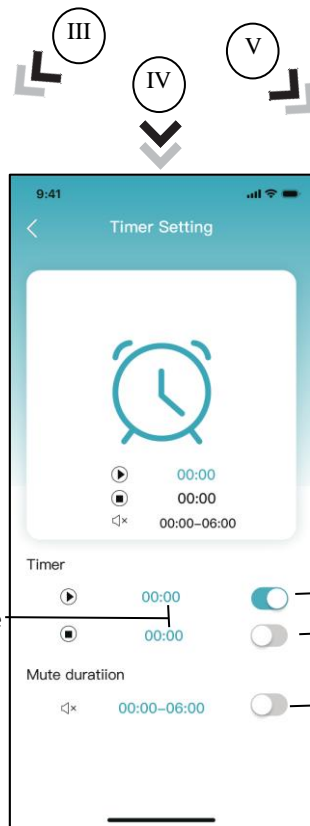


Fig.23 Timing Setting interface

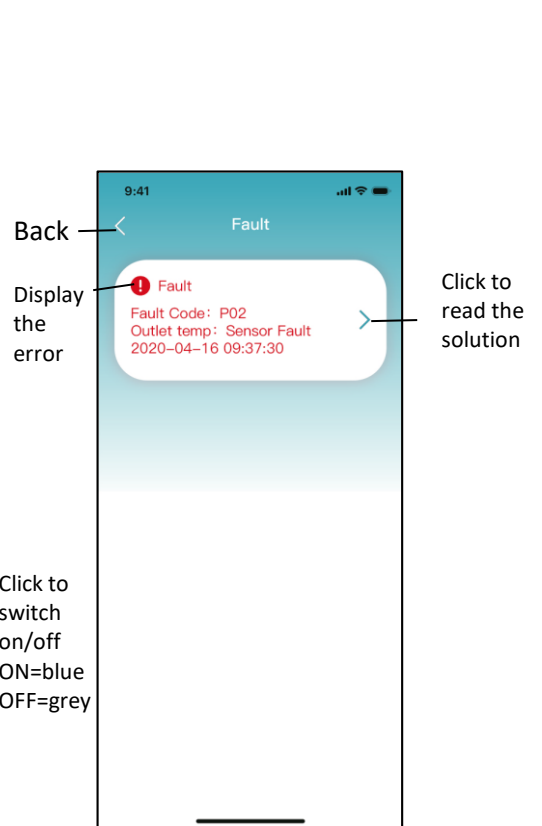










Fig.24 Troubleshooting interface

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
	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



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