



R32 FULL INVERTER HEAT PUMP USER MANUAL

Please read this manual carefully before using and keep it in a safe place.



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I. Unit Parameters

1. Appearance



2. Statement

To keep users under safe working condition and property safety, please follow the instructions below. Unit must be installed by a professional and electrically connected by a licensed person

Wrong operation may result in injury or damage.

Please install the unit in compliance with local laws, regulations and standards; confirm power voltage and frequency; the unit is only used with grounding sockets; independent switch must be offered with the unit.

3. The following safety factors need to be considered:

- Please read the following warnings before installation.
- Be sure to check the details that need attention, including safety factors.
- After reading the installation instructions, be sure to save them for future reference.

⚠ Warning

- Make sure that the unit is installed safely and reliably.

If the unit is not secure or not installed, which will cause damage. The minimum support weight required for installation is 21g/mm².

If the unit was installed in a closed area or limited space, please consider the size of room and ventilation to prevent suffocation caused by refrigerant leakage.

- Use a specific wire and fasten it to terminal block (so that connection will prevent pressure from being applied to parts).
- Wrong wiring will cause fire.
Only a licensed person should connect power wire accurately according to wiring diagram on the manual to avoid burnout of the unit or fire.
- Be sure to use correct material during installing.
Wrong parts or wrong materials may result in fire, electric shock, or falling of the unit.
- Install on the ground safely, please read installation instructions.
Improper installation may result in fire, electric shock, falling of the unit, or water leaking.
- Use professional tools for doing electrical work.
If power supply capacity is insufficient or circuit is not completed, it may cause fire or electric shock.

- The unit must have grounding device.
If power supply does not have grounding device, be sure not to connect the unit.
- The unit should be only removed and repaired by professional technician.
Improper movement or maintenance of the unit may cause water leakage, electric shock, or fire.
Please find a professional technician to do.
- Don't unplug or plug power during operation. It may cause fire or electric shock.
- Don't touch or operate the unit when your hands are wet. It may cause fire or electric shock.
- Don't place heaters or other electrical appliances near the power wire. It may cause fire or electric shock.
- The water must not be poured directly from the unit. Do not let water to permeate into the electrical components.

4. ⚠ Warning

- **Do not install the unit in a location where there may be flammable gas.**
- **If there is flammable gas around the unit, it will cause explosion.**
According to the instruction to carry out drainage system and pipeline work. If drainage system or pipeline is defective, water leakage will occur. And it should be disposed immediately to prevent other household products from getting wet and damage.
- **Do not clean the unit while power is on. Turn off power before cleaning the unit. If not it may result in injury from a high-speed fan or electric shock.**
- **Stop operating the unit once there is a problem or an fault code.**
Please turn off power and stop running the unit before maintaining . Otherwise it may cause electric shock or fire.
- **Be careful when the unit is not packed or not installed.**
Pay attention to sharp edges and the fin heat exchanger.
- **After installation or repair, please confirm refrigerant is not leaking.**
If refrigerant is not enough, the unit will not work properly.
- **The installation of external unit must be flat and firm.**
Avoid abnormal vibration and noise.
- **Don't put your fingers into fan and evaporator.**
High speed running fan will result in serious injury.
- **This device is not designed for people who is physically or mentally weak (including children) and who does not have experience and knowledge of heating and cooling system. Unless it is used under direction and supervision of professional technician, or has received training on the using of this unit. Children must use it under supervision of an adult to ensure that they would use the unit safely. If power wire is damaged, it must be replaced by a professional technician to avoid danger.**

II. System Specification

1. Specification

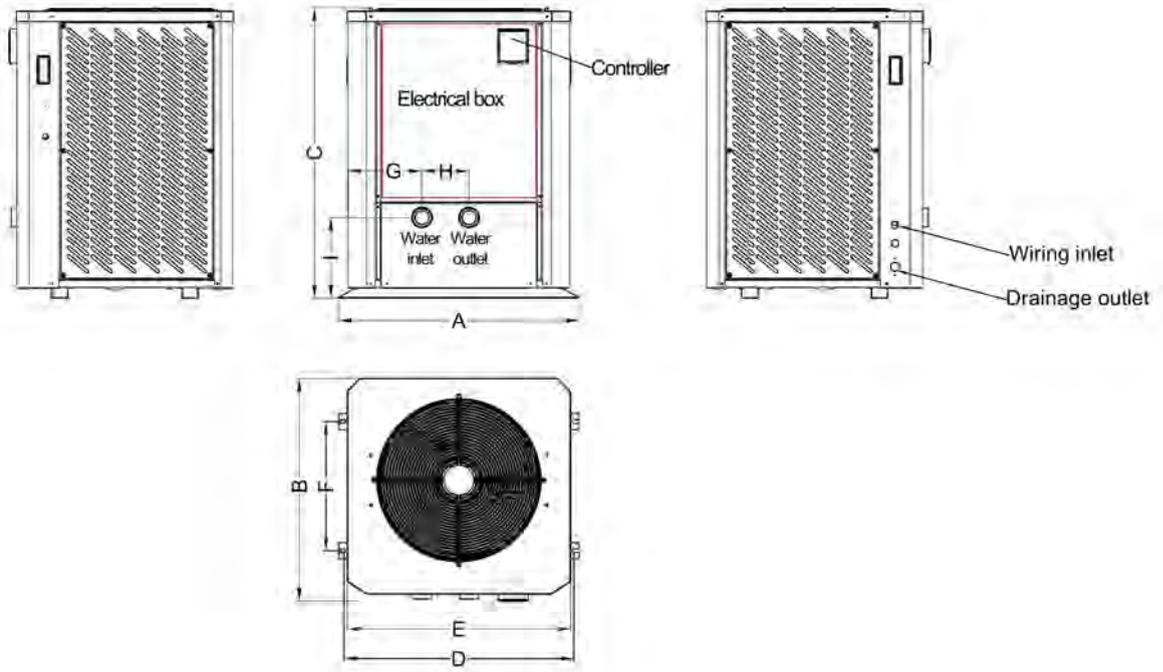
Model	EFI Ultra V35T
Air Temperature: 27°C, inlet/outlet water temperature: 26°C/28°C, humidity 80%	
Heating capacity (kW)	11.7-35.2
Power input (kW)	0.79-5.77
COP	14.81-6.1
Air Temperature: 15°C, inlet/outlet water temperature: 26°C/28°C, humidity 70%	
Heating capacity (kW)	8.96-24.56
Power input (kW)	1.31-5.25
COP	6.84-4.68
Air Temperature: 35°C, inlet/outlet water temperature: 28°C/26°C	
Cooling capacity (kW)	5.56-17.4
Power input (kW)	1.11-6.7
EER (kW)	5.01-2.64
Power supply (V/Ph/Hz)	380-415V/3Ph/50Hz
Max power input (kW)	7.3
Max current (A)	13.0
Setting temperature range (Heating)	15°C~40°C
Setting temperature range (Cooling)	8°C~28°C
Running temperature range	-10°C~43°C
Refrigerant	R32
Compressor	MITSUBISHI ELECTRIC (DC inverter)
Air side heat exchanger	Hydrophilic fin and tube
Water side heat exchanger	Titanium PVC Tank
Water flow (LPM)	190
Net dimension LxWxH (mm)	900x812x1054
Water pipe connection (mm)	50
Net weight (kg)	137
Noise level dB(A)	46-68
Water proof level	IPX4

The technical specification of our heat pumps is provided for information purpose only. We reserve the right to make change without notice in advance.

1. Ambient air temperature
2. Initial water temperature
3. Noise at 1m, 4m and 10m comply with Directives EN ISO 3741 and EN ISO 354
4. Calculate according to an in-ground private swimming pool covered with bubble

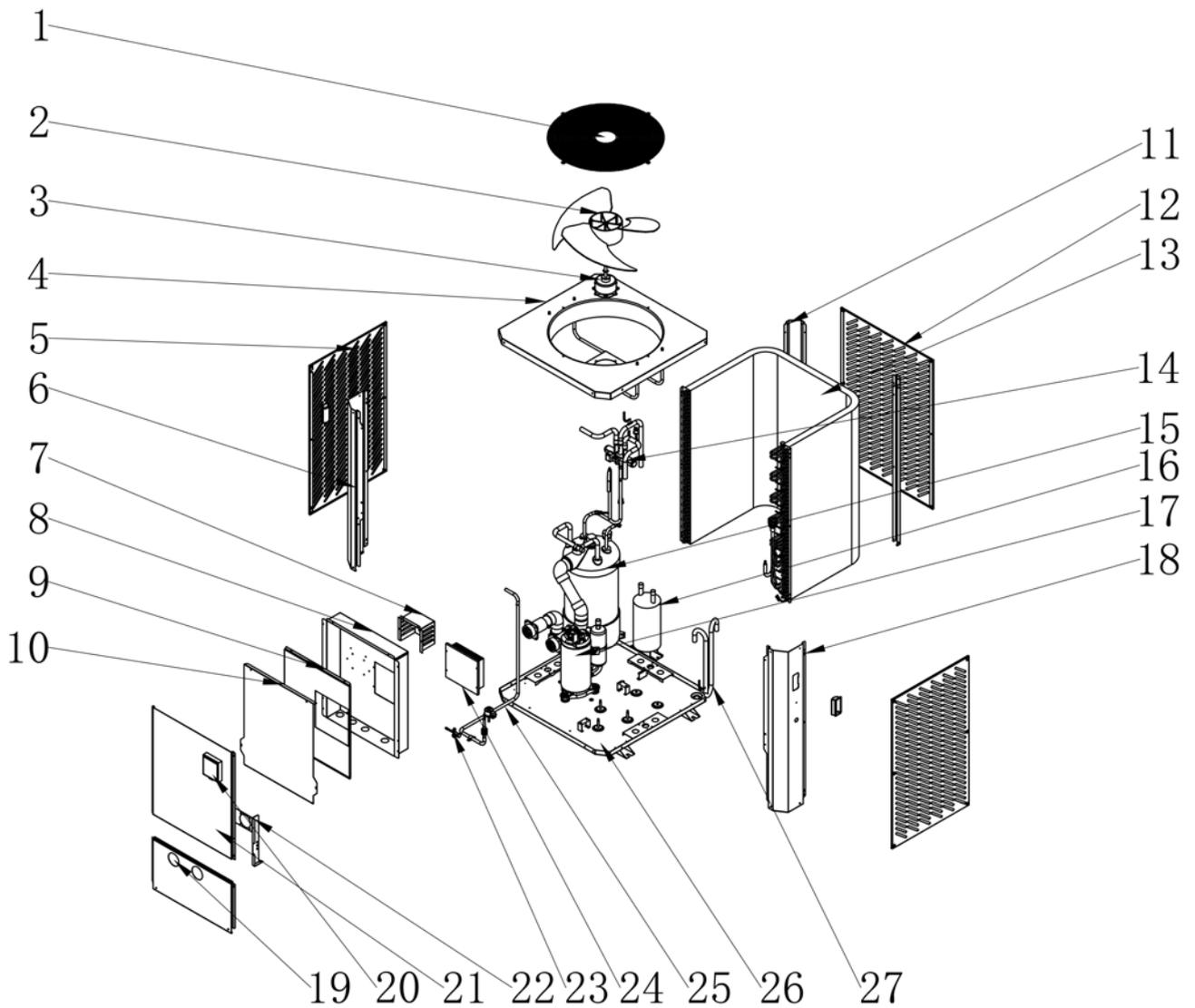
2. Unit Dimensions

Unit: mm



	A	B	C	D	E	F	G	H	I
EFI Ultra V3	900	812	1054	865	846	500	252	145	268

3. Explosion View



1	Fan protection cover	10	Electrical box 3	19	Front panel 1
2	Fan	11	Stand column 2	20	Controller
3	Fan motor	12	Metal mesh cover 2	21	Front panel 2
4	Top cover plate	13	Fin heat exchanger	22	Fixed plate
5	Metal mesh cover	14	Four way valve welding assembly	23	Globe valve
6	Stand column 1	15	Titanium tube heat exchanger	24	Drive board
7	Damper	16	Gas liquid separator	25	Filter welding components
8	Electrical box 1	17	Inverter compressor	26	Chassis components
9	Electrical box 2	18	Stand column 3	27	Inlet piping components

III. Installation Instructions

Warning: Installation must be carried out by a qualified licensed technician.

This section is provided for information purpose only and must be checked and adapted if necessary according to actual installation condition.

1. Pre-Requirements

Needed equipment for installation of heat pump:

Suitable cable for unit's power supply.

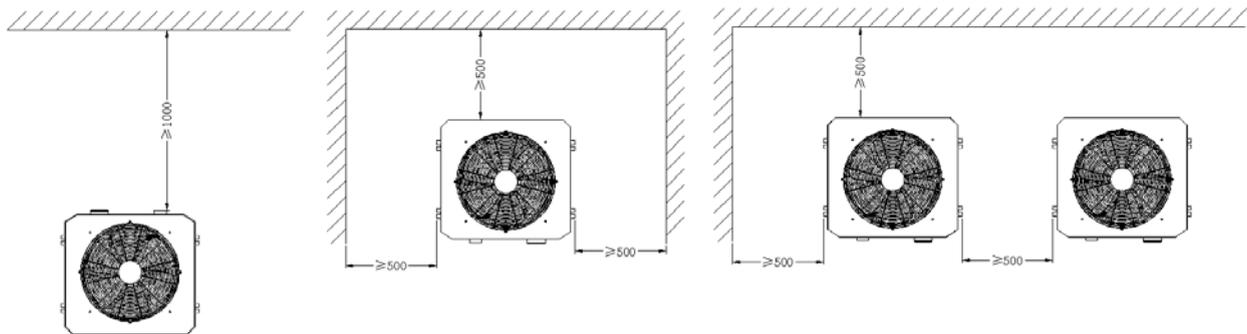
A by-pass kit and an assembly of PVC pipe & fittings, PVC Type P Solvent & Primer

40mm to 50mm PVC Class 9 Pressure Pipe

2. Location

Please comply with the following rules about heat pump location choosing.

1. The unit's location must be convenient for operation and maintenance in the future.
2. It must be installed flat concrete floor. The floor should be stable to support the weight of the unit.
3. A water drainage device must be provided close to the unit in order to protect the area where it is installed.
4. If necessary, mounting pads could be used to support the weight of unit.
5. Confirm the unit is under well-ventilated condition; air outlet port is not facing to the windows of nearby buildings and the outlet air can not be returned. In addition, provide enough space around the unit for repair and maintenance.
6. The unit must not be installed in an area exposed to oil, flammable gases, corrosive products, sulphurous compounds or close to high frequency equipment.
7. To prevent mud splashes, do not install the unit near road or track.
8. To avoid noise to neighbours, please make sure the unit is installed in less noise sensitivity area or good sound isolation area.
9. Keep the unit as far as possible away from children.



Anything could not be placed within at least 1m in front of heat pump.
Leave at least 50cm of empty space around the sides and rear of heat pump.
Do not put any stuff on or in front of heat pump!

3. Installation Layout

INSTALLATION

Installation information

The following information given here is not an instruction, but simply meant to give the user a better understanding of the installation.

Condition of installation

The following information given here is not an instruction, but simply meant to give the user a better understanding of the installation.

Installation place

Install the swimming pool heat pump on a flat, horizontal, and stable surface. Maintain 1 M of open space in front of the discharge grids and 3 M on the outlet side of the ventilator. And reserve enough space to allow access to temperature controller.

Make sure that the discharged air will not be breathed in.

To perfect your installation

--Avoid directing the flow of ventilated air towards a sensitive noise zone, such as room window.

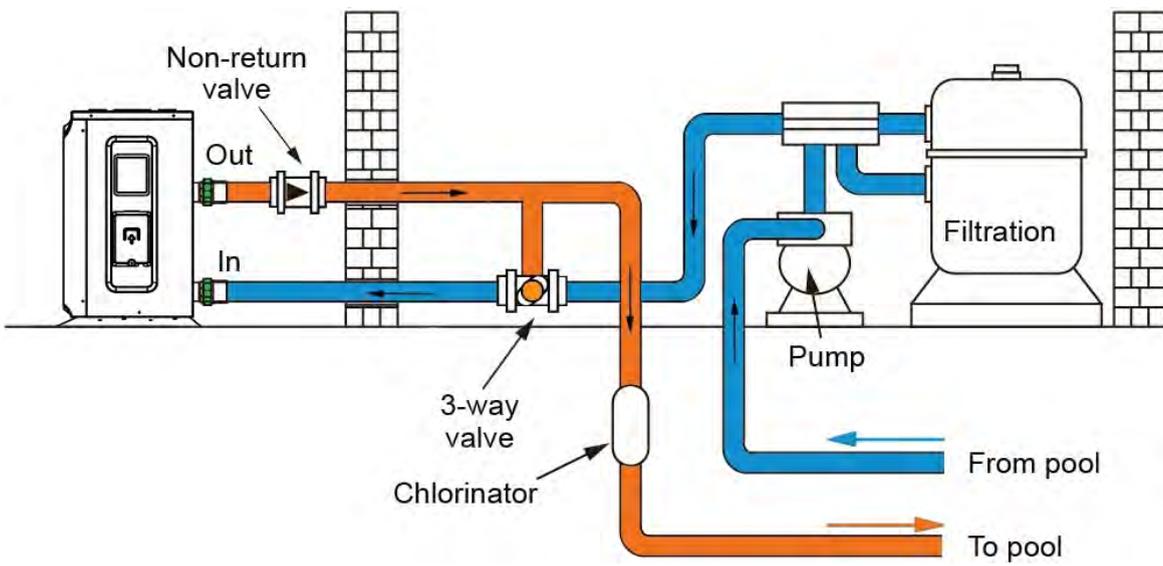
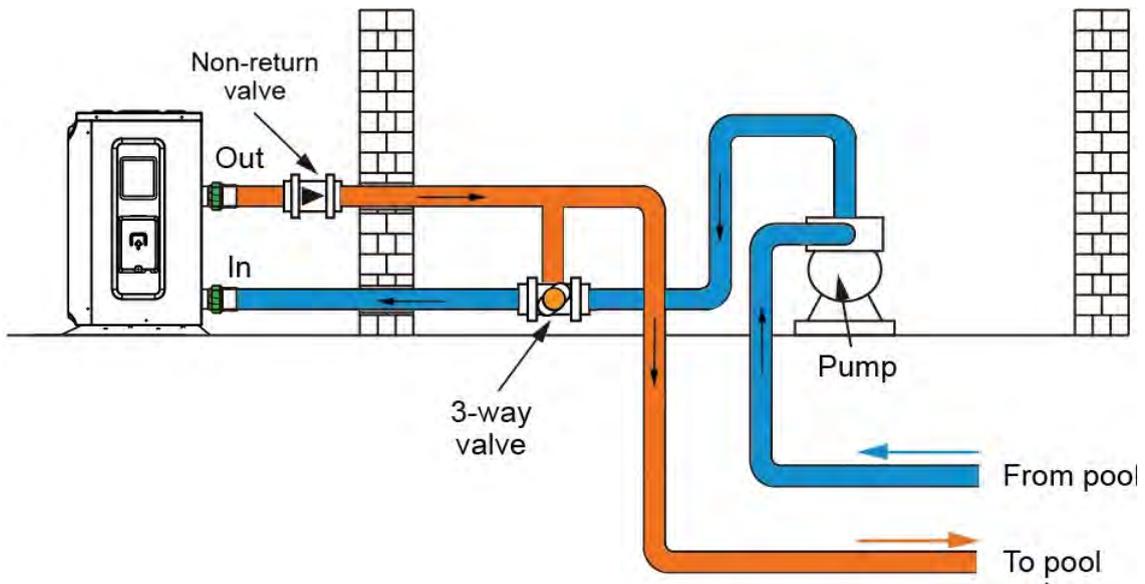
--Avoid positioning pool heat pump on a surface that can transmit vibrations to dwelling.

--Try to avoid placing appliance under a tree or exposed to water or mud, which would be likely to complicate maintenance.

Water connection

Water connection The heat pump is connected to a filtration circuit with a by-pass. It is imperative that the by-pass is placed after the pump and the filter & before any other items such as salt chlorinators or injectors.

The by-pass generally consists of a 3 Way valve and a Non Return. This makes it possible to regulate the water flow which passes through the heat pump and ensures no reverse flow through the heater.

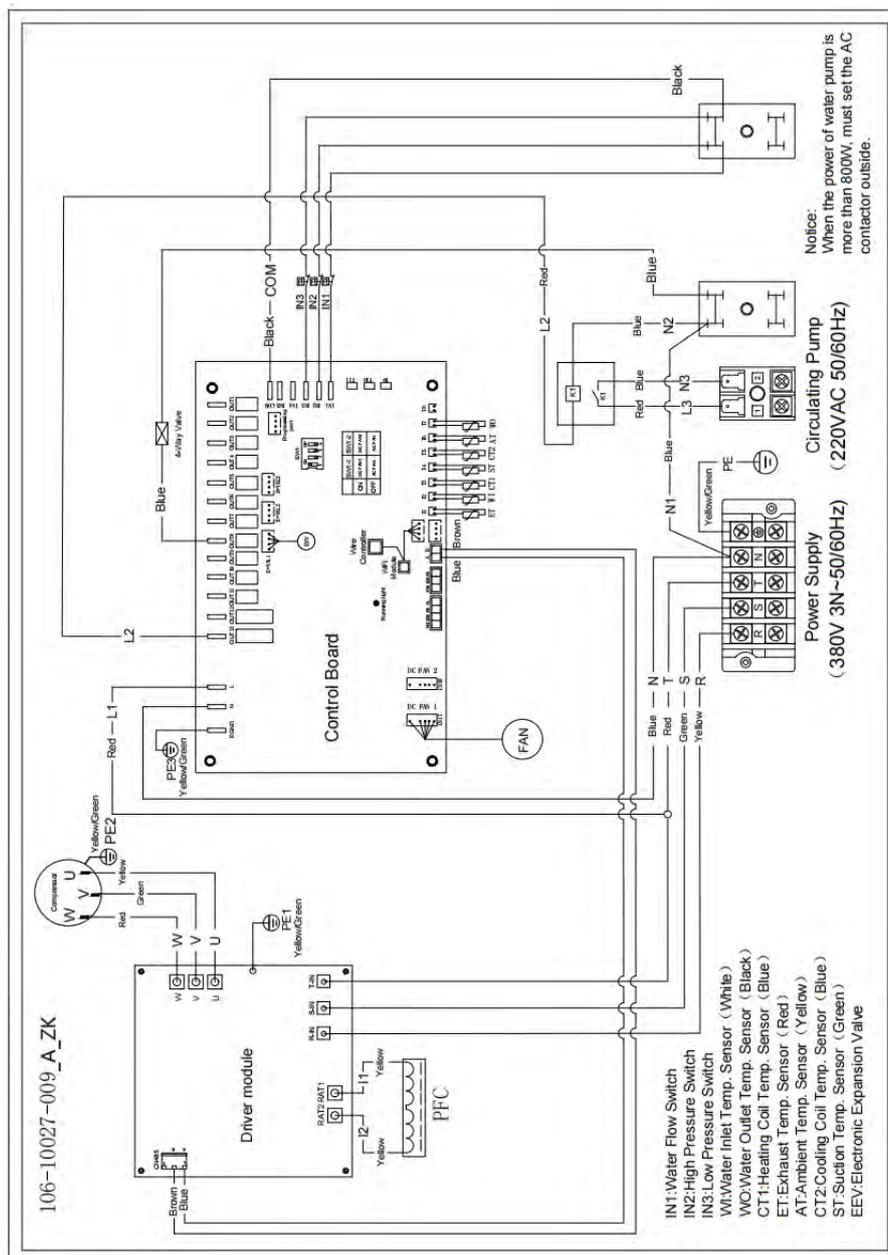


4. Electrical Connection

Power Supply Wires Size

Model	Power Supply Wires		
	Electricity Supply	Cable Diameter	Specification
EFI Ultra V3	380-415V/3Ph/50Hz	3×6.0mm ²	AWG 10

- ⚠ **WARNING:** Power supply of heat pump must be disconnected before any operation.
- Please comply with the following instruction to connect heat pump.
- **Step 1:** Detach electrical side panel by a screwdriver to access electrical terminal block.
- **Step 2:** Insert cable into heat pump unit port.
- **Step 3:** Connect power supply cable to terminal block according to the diagram below.



IV. Running Test

1. Inspection Before Running Test

a. Running test can begin after completing all installation;

b. Before running test, confirm below items and write \surd in block;

- Correct unit installation
- Power supply voltage is the same as unit rated voltage
- Correct piping and wiring
- Air inlet & outlet port of unit is unblocked
- Drainage and venting is unblocked and no water leaking
- Leakage protector is working
- Piping insulation is working
- Ground wire is connected correctly

c. All wiring and piping should be connected well and carefully checked, then fill water tank with water before power is switched on;

d. Emptying all air within pipes and water tank, press "on-off" button on control panel to run the unit at setting temperature;

e. Items need to be checked during running test:

- ◆ During the first running, unit current is normal or not;
- ◆ Each function button on control panel is normal or not;
- ◆ Display screen is normal or not;
- ◆ Are there any leakage in the whole heating circulation system ;
- ◆ Condensate drain is normal or not;
- ◆ Are there any abnormal sound or vibration during running?

2. Control Function Description

2.1 Control Panel Diagram



2.2 Basic Icons

Icons	Description	Icons	Description
	Heating Mode		Cooling Mode
	Timer		Defrosting
Set Temp.	Target Temperature	Water Temp.	Current Temperature

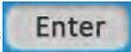
2.3 Key Operating Instruction

- 1)  On/Off Key:
 - Click On/Off key on the main interface to turn on or off the unit.
 - Click On/Off key on the other interface to return directly to the main interface.
- 2)  Up Key and  Down Key .
 - In the main interface, click to modify the setting temperature.
 - In the parameter checking interface, click  and  to turn the page up or down.
- 3)  Return Key.
 - Click to return to the previous interface.
- 4)  Up Key and  Down Key.
 - In the parameter checking interface, click  and  to turn the page up or down.
- 5)  On/Off Key.
 - Click On/Off key on the main interface to turn on or off the unit.
- 6)  Mode Key.
 - Click  on the main interface to switch between cooling and heating modes.
- 7)  Query Key.
 - Click  on the main interface to enter main menu.



- Machine status: Click it to enter the unit state parameter query.

Machine status		
Code	Description	Display Range
1	Inlet water temp.	-20~99℃
2	Outlet water temp.	-20~99℃
3	Ambient temp.	-20~99℃
4	Exhaust temp.	0~125℃
5	Suction temp.	-20~99℃
6	Heating coil temp.	-20~99℃
7	Cooling coil temp.	-20~99℃
8	Main EEV steps	
10	Compressor current	
11	Radiator temp.	
12	DC bus voltage	
13	Cmp.Frequency	
14	DC fan1 actual speed	

- System parameter: Click it and enter the code “814”, then click “” to query or modify the system parameters.

System Parameter			
Code	Parameter	Adjustment Range	Initial Value
1	Return temp. difference	1~18℃ (2~36℉)	1℃ (2℉)
2	Cooling set temp.	8℃~35℃ (46~95℉)	27℃ (81℉)
3	Heating set temp.	5℃~40℃ (41~104℉)	27℃ (81℉)
4	Temp. compensation	-5℃~15℃ (-10~30℉)	0℃ (0℉)
5	Def. cycle	20min~90min	45min
6	Def. start temp.	-9℃~-1℃ (16~30℉)	-3℃ (27℉)
7	Def. max time	5min~20min	8min
8	Def. exit temp.	1℃~40℃ (33~104℉)	15℃ (68℉)
9	Def. ambient and coil ΔT	0℃~15℃ (0~30℉)	5℃ (10℉)
10	Def. ambient temp.	0℃~20℃ (32~68℉)	17℃ (63℉)
11	EEV working cycle	20s~90s	25s
12	Smart/Powerful superheat	-5℃~10℃ (-10~20℉)	According to the actual model
13	EEV Exhaust temp.	70℃~125℃ (158~257℉)	95℃ (203℉)
14	Def. EEV steps	20~450	According to the actual model
15	EEV Min. step	5~15 (*10)	According to the actual model
16	EEV mode	Auto/Manual	Auto
17	EEV manual step	20~450	350
18	Cooling mode superheat	-5℃~10℃ (-10~20℉)	According to the actual model
19	Reserved		
20	Cooling EEV mode	Super-cooling/Temperature	Super-cooling
21	Water pump mode	1: No stop at constant temp 2: Top at constant temp. 3: Intermittent running	3
22	Fan mode	Auto/Manual	Auto
23	Fan manual speed	0-99 (*10)	80 (*10)
24	EH start ambient temp.	-10℃~20℃ (14~50℉)	0℃ (32℉)
25	Def. EH function	Yes/None	Yes
26	Low temp. protection	-30℃~0℃	-20℃

- Factory parameter: Click it and enter the code “4180”, then click “” query or modify the factory parameters.

Factory parameter			
Setting Code	Parameter	Adjustment Range	Initial Value
F1	Frequency set_1	20~120Hz	20 Hz
F2	Frequency set_2	20~120Hz	24 Hz
F3	Frequency set_3	20~120Hz	28 Hz
F4	Frequency set_4	20~120Hz	32 Hz
F5	Frequency set_5	20~120Hz	36 Hz
F6	Frequency set_6	20~120Hz	40 Hz
F7	Frequency set_7	20~120Hz	44 Hz
F8	Frequency set_8	20~120Hz	46 Hz
F9	Frequency set_9	20~120Hz	58 Hz
F10	Frequency set_10	20~120Hz	68 Hz
F11	Exhaust temp. set_1	50~125°C (122~257°F)	95°C(203°F)
F12	Exhaust temp. set_2	50~125°C (122~257°F)	100°C(212°F)
F13	Exhaust temp. set_3	50~125°C (122~257°F)	105°C(221°F)
F14	Exhaust temp. set_4	50~125°C (122~257°F)	110°C(230°F)
F15	Exhaust temp. set_5	80~125°C (176~257°F)	115°C(248°F)
F16	DC fan speed_1	0~99 RPM	52 (*10)
F17	DC fan speed_2	0~99 RPM	58 (*10)
F18	DC fan speed_3	0~99 RPM	64 (*10)
F19	DC fan speed_4	0~99 RPM	72 (*10)
F20	DC fan speed_5	0~99 RPM	78 (*10)
F21	DC fan speed_6	0~99 RPM	84 (*10)
F22	Silent mode superheat	-5~10°C (-10~20°F)	According to the actual model
F23	Machine type	0:Heating & Cooling 1:Heating ONLY 2:Cooling ONLY	0
F24	Constant temp. superheat	-5~10°C (-10~20°F)	According to the actual model
F25	Frequency set_11	20~120Hz	70 Hz
F26	Frequency set_12	20~120Hz	74 Hz
F27	Frequency set_13	20~120Hz	78 Hz
F28	Frequency set_14	20~120Hz	82 Hz
F29	Frequency set_15	20~120Hz	84 Hz
F30	Frequency set_16	20~120Hz	86 Hz
F31	Frequency set_17	20~120Hz	88 Hz
F32	Frequency set_18	20~120Hz	90 Hz

- Timer Setting.



8) Date and Clock Setting.



- In the clock setting interface, click "Confirm" to confirm the time settings.

9) "SILENT" Function Key.

- Click "SILENT" on the main interface to switch powerful mode, smart mode, and silent mode.

2.4 System Protection and Error Code

Error Code	Error Description	Remarks
Er 03	Water flow switch failure	
Er 04	Anti-freezing in winter	
Er 05	High pressure failure	
Er 06	Low pressure failure	
Er 09	Communication failure between main control board and wire controller	

Er 10	Communication failure of inverter module(Alarm when the communication between the external board and the driver board is disconnected)	
Er 12	Exhaust over heat protection	
Er 15	Water Inlet temperature sensor failure	
Er 16	External coil temperature sensor failure	
Er 18	Exhaust temperature temperature sensor failure	
Er 20	Inverter module abnormal protection	
Er 21	Ambient temperature sensor failure	
Er 23	Outlet water low temp. Protection	
Er 27	Water outlet temperature sensor failure	
Er 28	CT over current protection	
Er 29	Water inlet temperature sensor failure	
Er 32	Outlet Water Over Heat Protection	
Er 33	Heating Coil Over Heat Protection	
Er 42	Internal coil temperature sensor failure	

- E20 fault will display the following error codes at the same time, the error codes will switch every 3 seconds. Among them, error codes 1-128 appear in priority. When error codes 1-128 don't appear, then it will show error codes 257-384 . If two or more error codes appear at the same time, then display error codes accumulation. For example, 16 and 32 occur at the same time, it will show 48.

Error Code	Name	Description	Solution suggestion
1	IPM over-current	There is something wrong with IPM module	Replace inverter module
2	Compressor synchronization is abnormal	Compressor failure	Replace compressor
4	reserved	--	--
8	Compressor output phase absence	Compressor wiring is disconnected or the connection is poor	Check compressor input wiring
16	Low DC bus voltage	Input voltage is too low , PFC module failure,	Check the input voltage, replace inverter module
32	High DC bus voltage	Input voltage is too high, PFC Module failure	Replace inverter module

64	Radiator over temperature	Fan motor failure, air duct blockage	Check fan motor, air duct
128	Radiator temperature failure	Radiator sensor is damaged	Replace inverter module
257	Communication failure	Inverter module doesn't receive message from main controller	Check the connection between main controller and inverter module
258	AC Input phase absence	Input phase is absent (Three phase module is effective)	Check input circuit
260	AC Input over-current	Input three phase imbalance (three phase module is effective)	Check input three-phase voltage
264	Low voltage of AC Input	Input voltage is too low	Check input voltage
272	High pressure protection	Reserved	
288	IPM over-temperature protection	Fan motor failure, air duct blocked	Check fan motor and air duct
320	High compressor peak current	1.Compressor current is too high. 2.The driver program doesn't match with compressor	Replace inverter module
384	PFC module over-temperature	Temperature of PFC Module is too high	

2.5 Other Malfunctions and Solutions (No display on wire controller)

Malfunctions	Observation	Reasons	Solution
Heat pump is not running	Wire controller shows no display	No power supply	Check whether cable and circuit breaker are connected
	Wire controller displays the actual time	Heat pump under standby status	Start up heat pump to run.
	Wire controller displays the actual water temperature	<ol style="list-style-type: none"> 1. Water temperature is reaching set value, heat pump under constant temperature status 2. Heat pump just starts to run 3. Under defrosting 	<ol style="list-style-type: none"> 1. Verify water temperature setting 2. Start up heat pump after a few minutes 3. Wire controller should display "Defrosting"
Water temperature is cooling when heat pump runs under heating mode	Wire controller displays actual water temperature and no error code displays	<ol style="list-style-type: none"> 1. Chose the wrong mode 2. Figures show defects 3. Controller defect 	<ol style="list-style-type: none"> 1. Adjust the mode 2. Replace the defect wire controller, and then check the status after changing the running mode, verifying the water inlet and outlet temperature 3. Replace or repair the heat pump

Short running	Wire controller displays actual water temperature, no error code displays	<ol style="list-style-type: none"> 1. Fan can't run 2. Not enough air ventilation 3. Not enough refrigerant 	<ol style="list-style-type: none"> 1. Check the cable connections between the motor and fan, if necessary, they should be replaced 2. Check the location of the heat pump, and eliminate all obstacles to assure a good air ventilation 3 Replace or repair the heat pump
water stains	Water stains on heat pump unit	<ol style="list-style-type: none"> 1. Condensed water 2. Water leakage 	<ol style="list-style-type: none"> 1. No action 2. Check the titanium heat exchanger carefully if it shows any defects
Too much ice on evaporator	Too much ice on evaporator		<ol style="list-style-type: none"> 1. Check the location of heat pump, and eliminate all obstacles to assure a good air ventilation 2. Replace or repair the heat pump

V. Wi-Fi Module and APP User Manual

1. Display



"" Network distribution button: long press 3S to enter the default network distribution mode; After powering on for 10 seconds, you can press the button for 5 consecutive seconds within 5 seconds to enter the compatible network mode.

"" power indication: when power is on, "" corresponds to the lower indicator light;

"" WIFI status: After WIFI is connected, "" corresponding to the lower indicator light is always on;

"" communication instructions: when entering the default distribution network, "" flashes quickly corresponding to the lower indicator;

When entering compatible distribution network, "" flashes slowly corresponding to the lower indicator light;

After the distribution network connection is successful, the corresponding indicator light below "" represents the main control power on and off status.

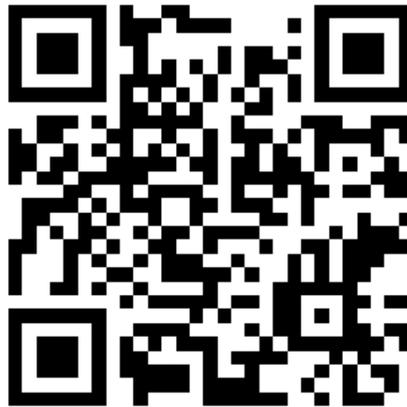
2. Wi-Fi Function

2.1 Software Installation

- Method 1: Search "Smart life" in your APP store ,install "".Click "GET" to install.



- Method 2: Scan the QR code below.



2.2 Software startup

- After installation,click "" on your desktop to start up Smart Life.

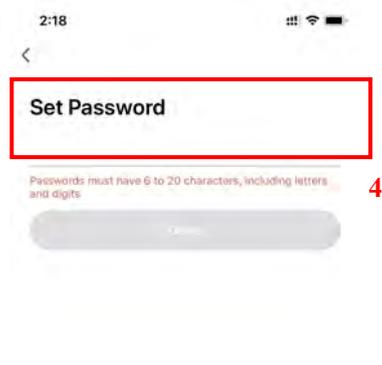
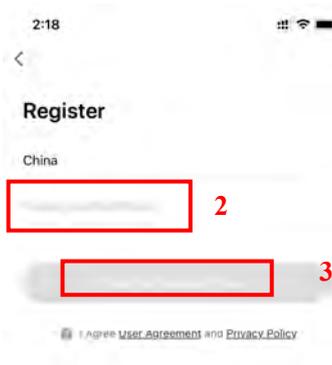
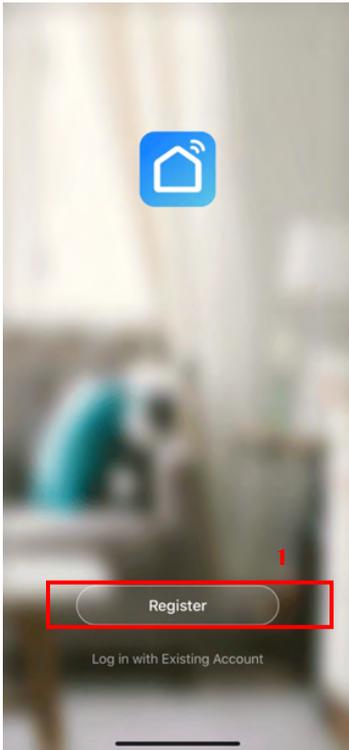


Smart Life

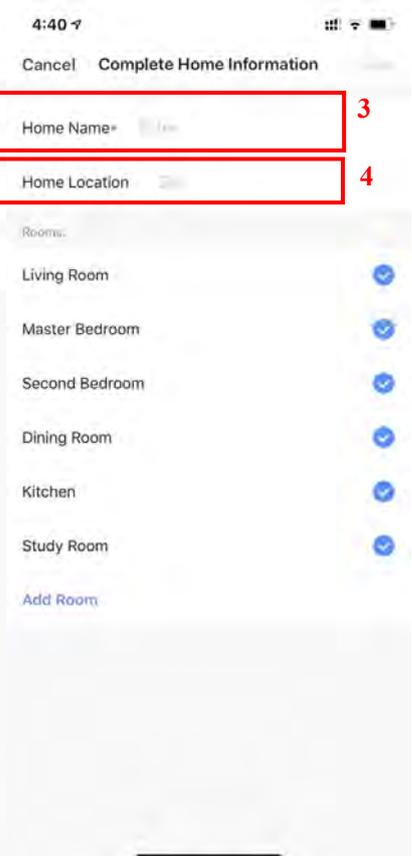
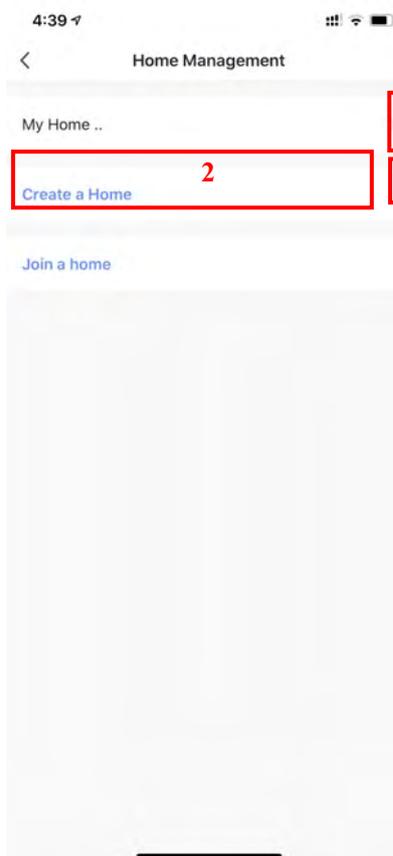
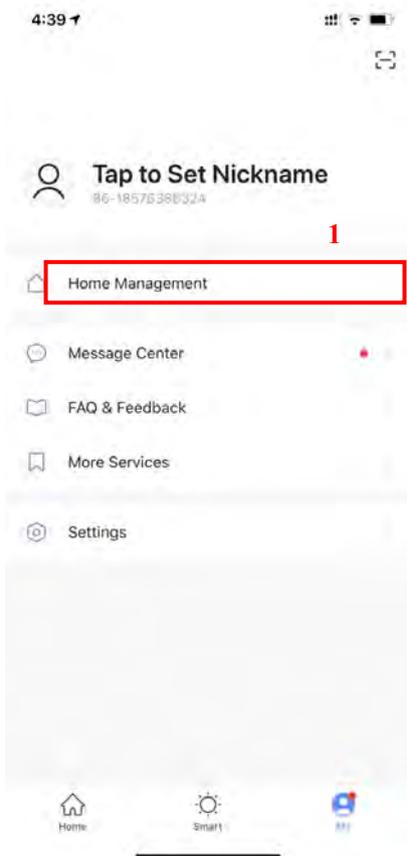
2.3 Software registration and configuration

2.3.1 Registration

- Users don't have account can click "Register" to create an account: Register → Enter your phone number → Get Verification Code → Enter Verification Code → Set Code,

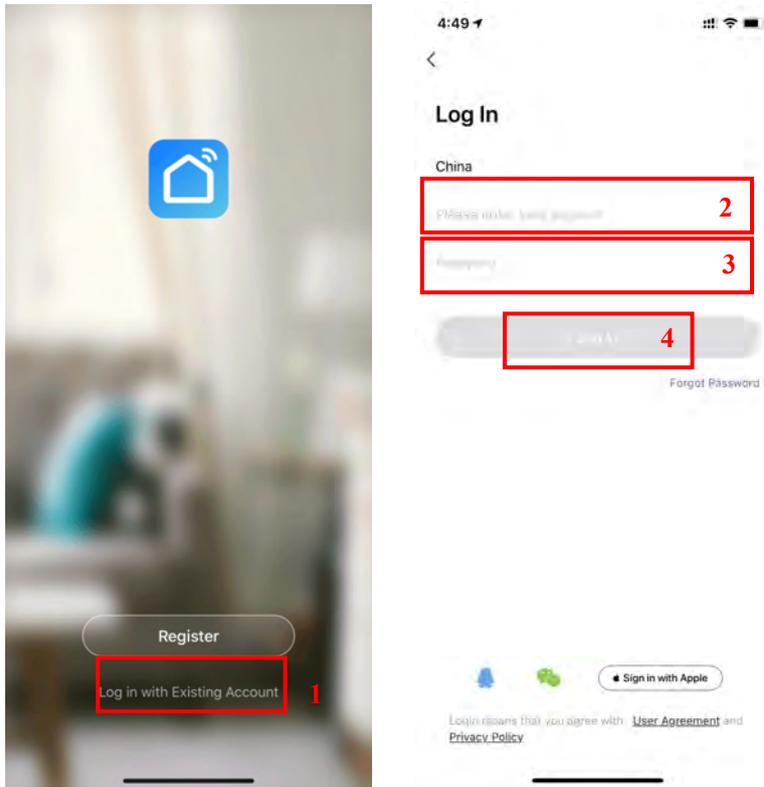


- After registration, you need to Create a Home: Create a Home → Set Home Name → Set Home Location → Add Rooms.

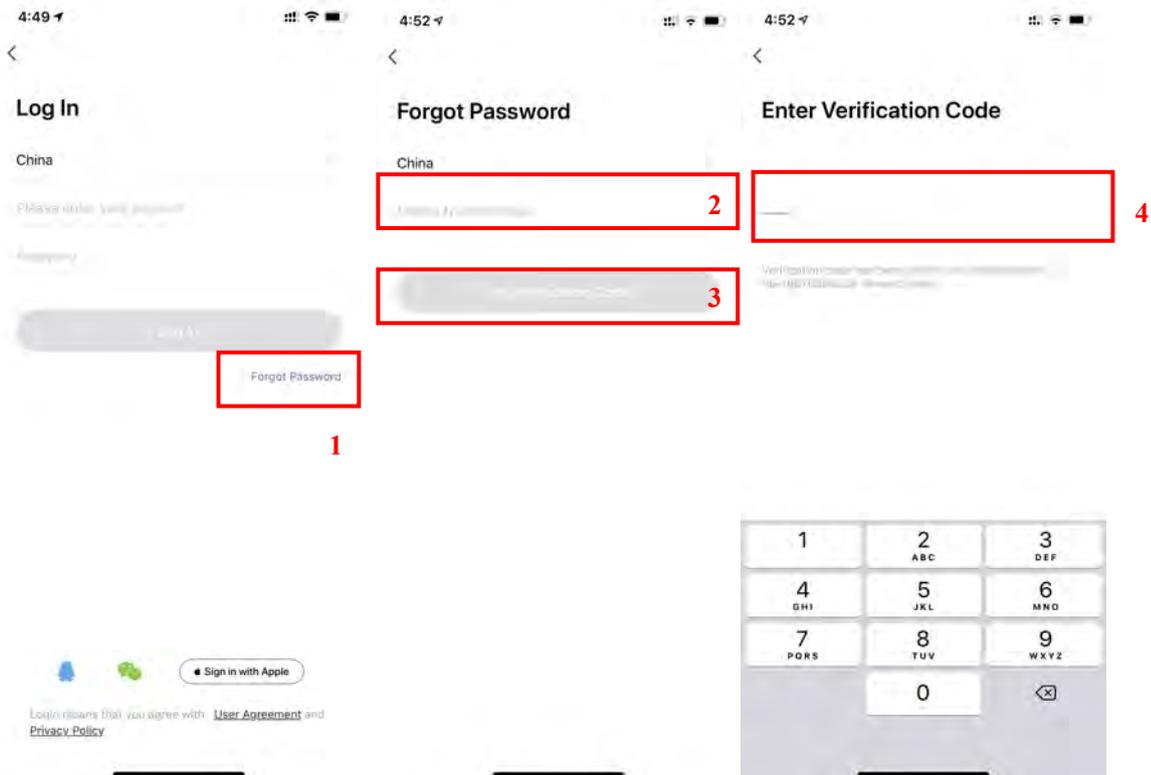


2.3.2 Account ID+ Password Login

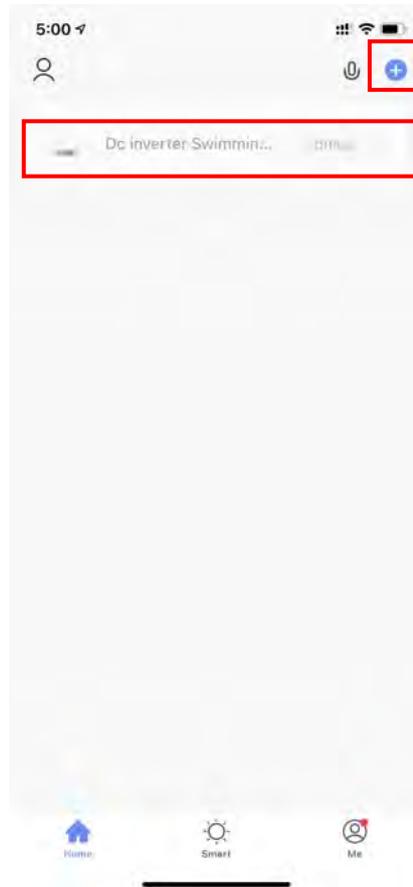
- Existing accounts can be logged in directly, in the following order.



If you forget your password you can choose to login with your verification code and select "Forget Password" : Enter your phone number → Get verification code .



- After creating a home or logged in,enter the main interface of APP.



Note:

Click the device to check the status, and you can set the operating mode, ON/OFF, timer.
Click “+” to add devices.

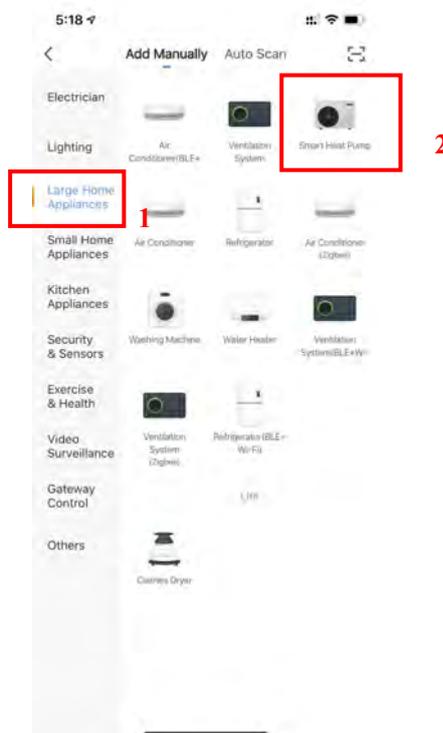
2.3.3 WIFI Module configuration steps:

- **Method 1(Intelligent distribution network mode):**
 - ◆ **Step 1:**
 - ✓ When power is on, if there is no distribution network, it will automatically connect through the default distribution network by default.At this moment,the indicator light under “” flashes rapidly(2 times per second),mobile phone can connect it.
 - ✓ Manually enter the intelligent distribution network mode:10s after power on,long press on “” for 3s to enter the intelligent distribution network mode,the indicator light under “” flashes rapidly(2 times per second),mobile phone can connect it.
 - ◆ **Step 2:**
 - ✓ Turn on the phone's WIFI function and connect to the WIFI hotspot. The WIFI hotspot must be able to connect to the Internet normally;



◆ **Step 3:**

- ✓ Open the "smart life" APP, log in into the main interface, click on the top right corner "+" or "add equipment" of the interface, enter the equipment type selection, the "Large Home Appliances" ,select "Smart Heat Pump" equipment and add equipment into the interface.

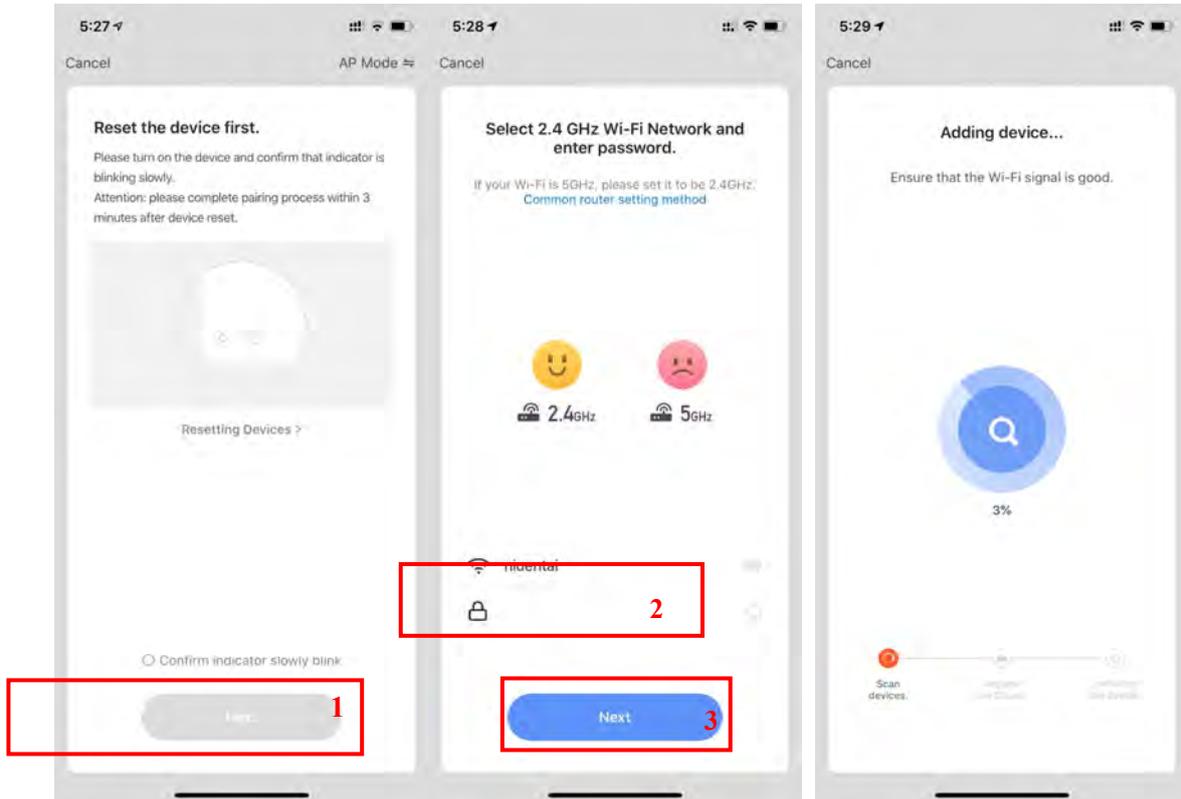


◆ **Step 4:**

- ✓ After selecting "Smart Heat Pump", enter the interface of "Add Equipment", and confirm

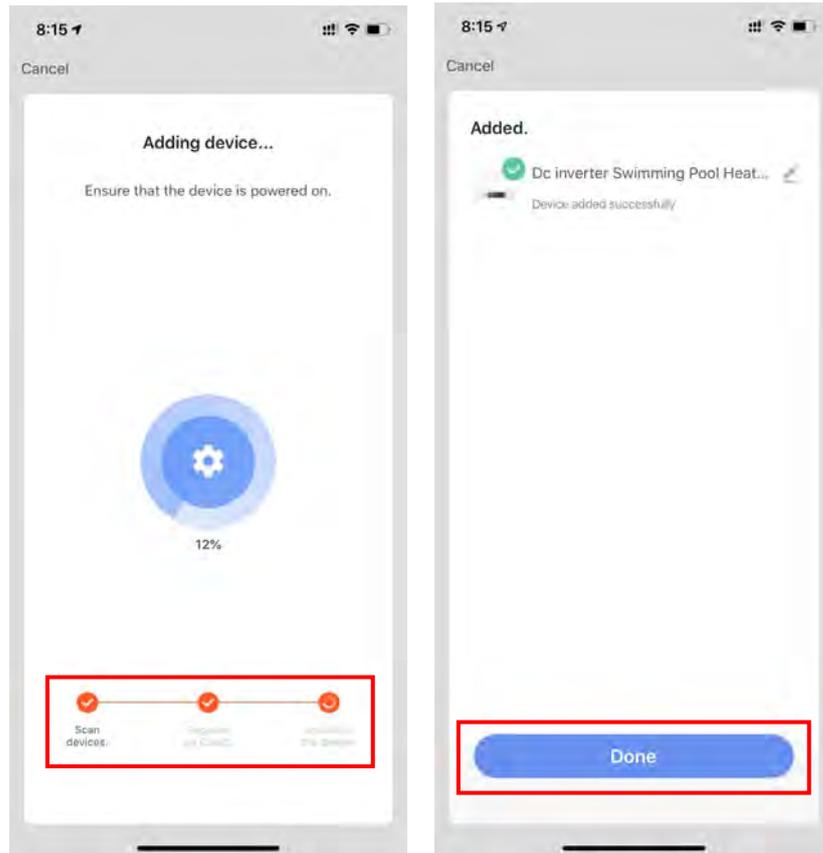
that the line controller has selected the intelligent network distribution mode. After the indicator light under "  " flashes rapidly , click " Confirm indicator rapidly blink " .

- ✓ Enter the WIFI connection interface, enter the WIFI password of the mobile phone (it must be the same as the WIFI of the mobile phone), click "Next", and then directly enter the connected state of the device



◆ **Step 5:**

- When "Scan devices", "Register on Cloud", "Initialize the device" are all completed, connection succeed.



- **Method 2** (Compatible with network configuration mode):

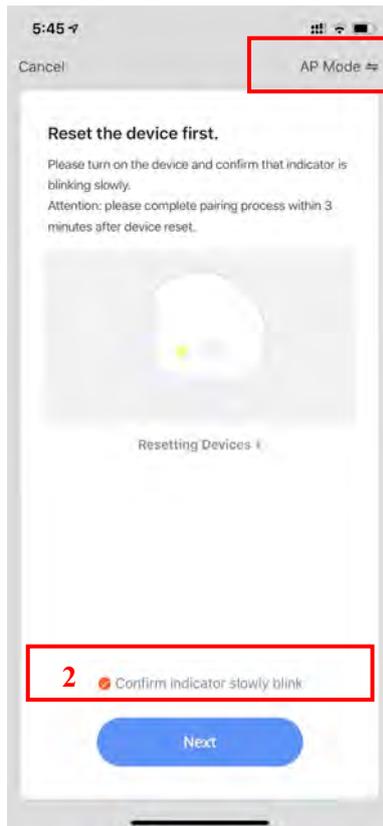
- ◆ **Step 1**

- ✓ Manually enter compatible network mode: 10s after power on, click “” 5 times within 5s to enter compatible with network configuration mode. The indicator under “” flashes slowly (1 time every 3s), mobile phone can connect it;

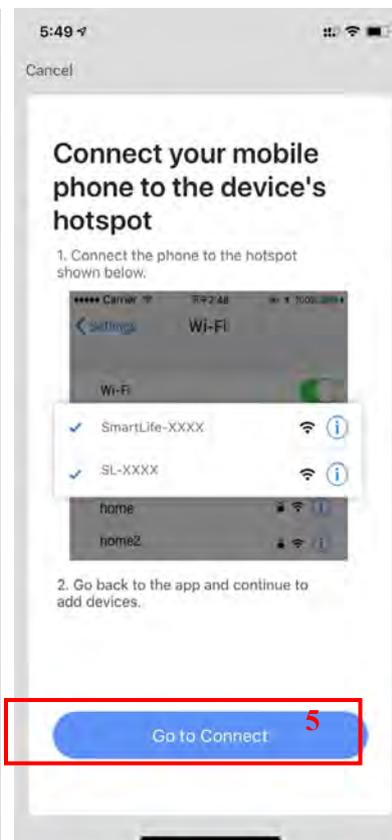
- ◆ **Step 2&3 are the same** with intelligent distribution network **above**.

- ◆ **Step 4:**

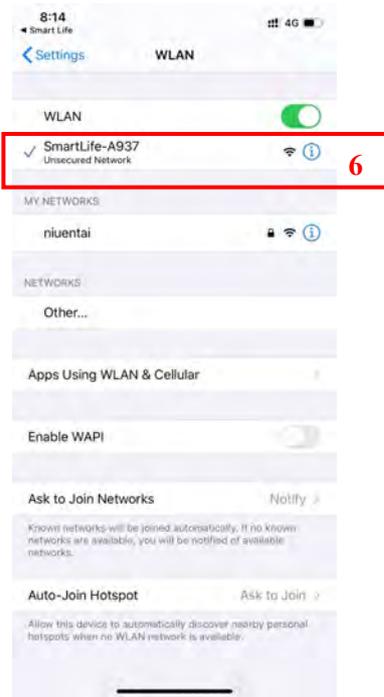
- ✓ After entering the add device interface, click "AP Mode" in the upper right corner; Enter the AP mode to add the device interface, confirm that the compatible network distribution mode has been selected (“” icon flashes), and click "Confirm indicator rapidly blink".



- ✓ The interface of WiFi connection will pop up, enter the WiFi password of the mobile phone (it must be the same as the WiFi of the mobile phone), click "Next", "Connect your mobile phone to the device's hotspot" will pop up, and click "Go to Connect".;



- ✓ Enter the mobile phone WiFi connection interface, find the “SmartLife_XXXX” connection, and the APP will automatically enter the device connection state.

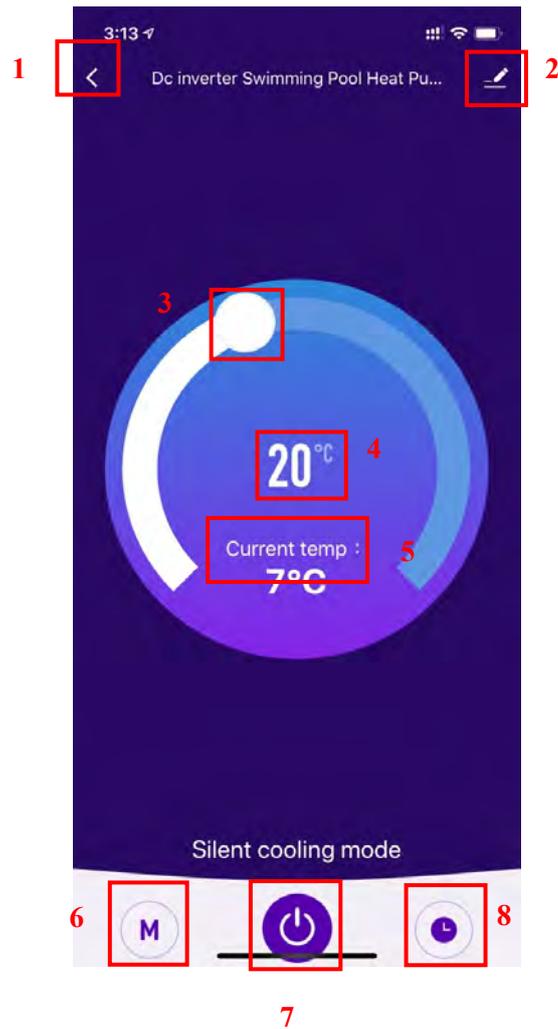


◆ **Step 5 is the same** with intelligent distribution network **above**.

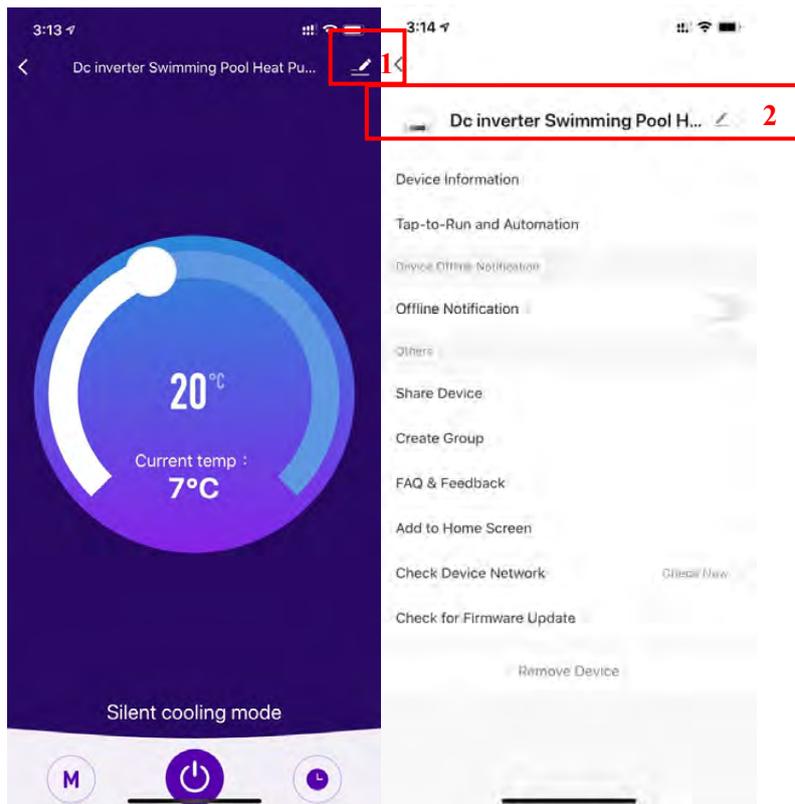
- ✓ **Note:** If the connection is failed, please enter the compatible network mode manually and reconnect according to the above steps.

2.4 Software function operation

- After the device is bound successfully, enter the operation interface of “Smart heat pump”(Device name, modifiable)
- In the main interface of “Smart Life”, click “Smart heat pump” to enter the operation interface.

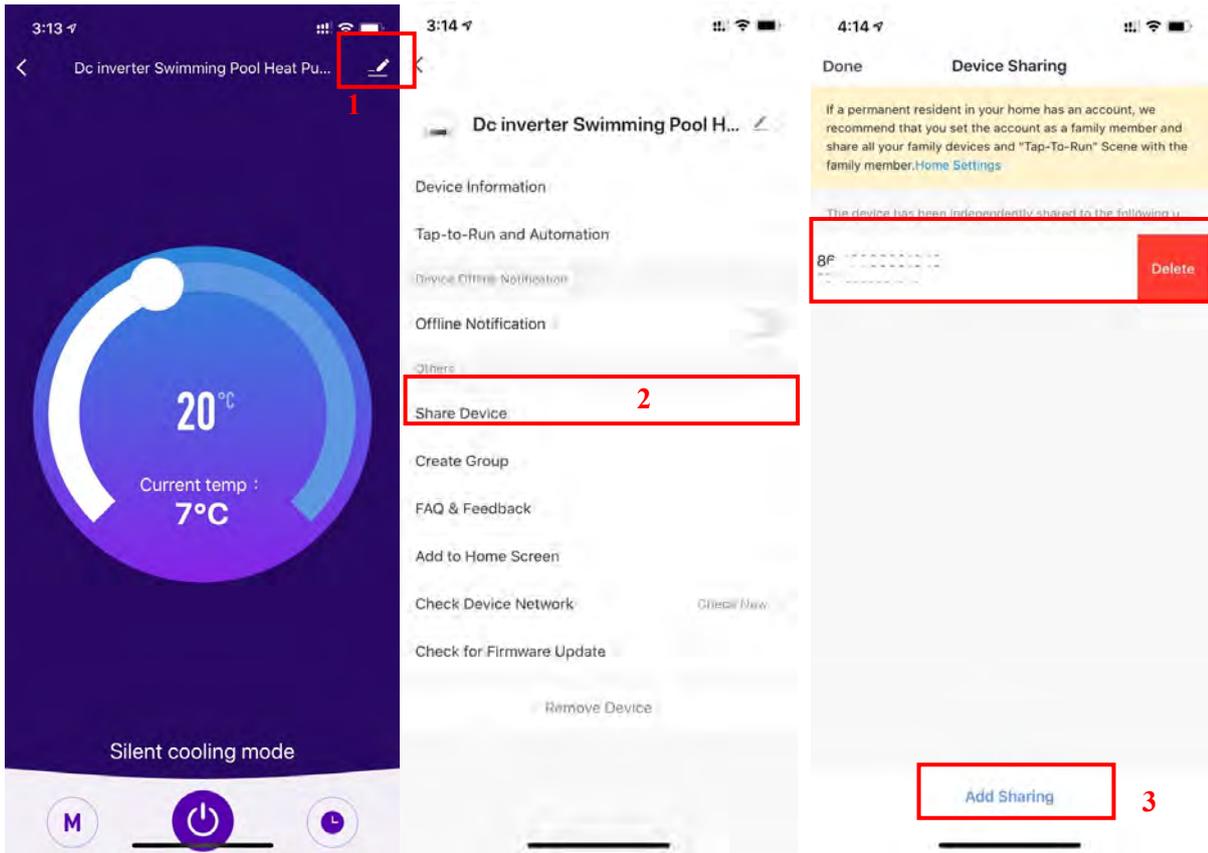


1. Back
2. More: You can change device name, select device installation location, check networking status, add Shared users, create device cluster, view device information, and more.
3. Setting temperature adjustment: The white circle slides counterclockwise to reduce the temperature, but clockwise to increase the temperature.
4. Target temperature
5. Current temperature
6. Mode switching: Click to select the mode to be switched.
7. ON/OFF
8. Timing: Click to add timing off/on time.
 - Modify device name
 - ◆ Click in the following order to enter device details , and click "Device Name" to rename the device.

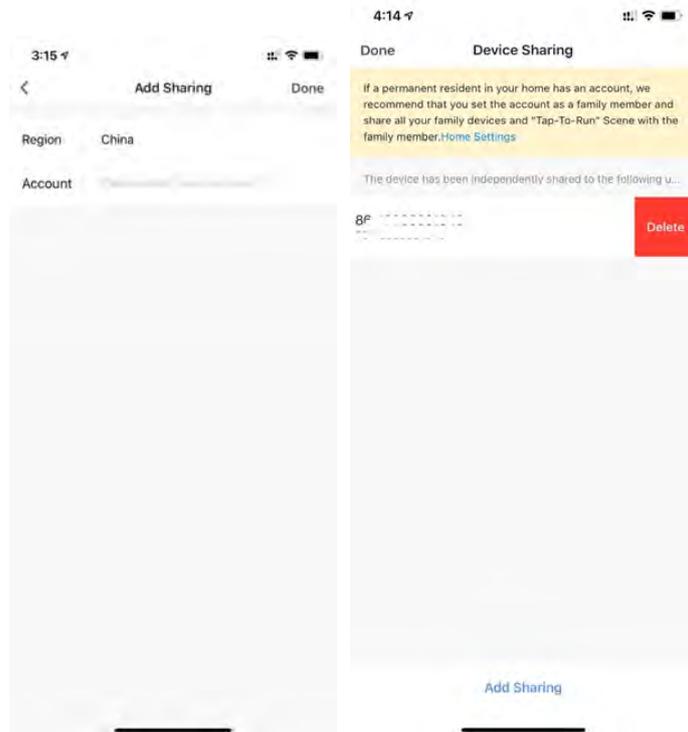


- **Device sharing**

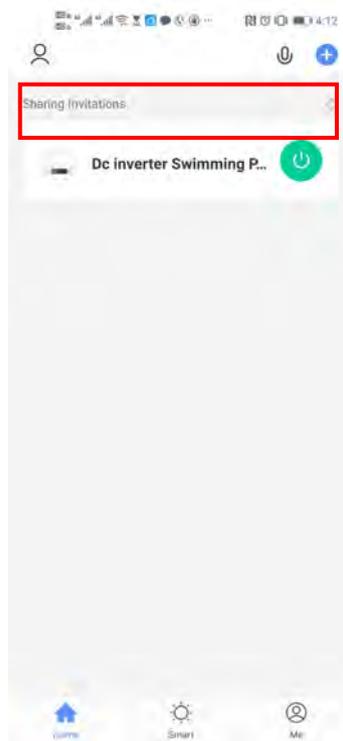
- ◆ To share a bound device, the user should do so in the following order.
- ◆ After successful sharing, the list will be added to show the person Shared
- ◆ If you want to delete the account you shared to, cross the selected account to the left, and delete it.
- ◆ The user interface is as follows



- ◆ Enter the account of the Shared, click "Done", and the share success list shows the newly added account of the Shared.

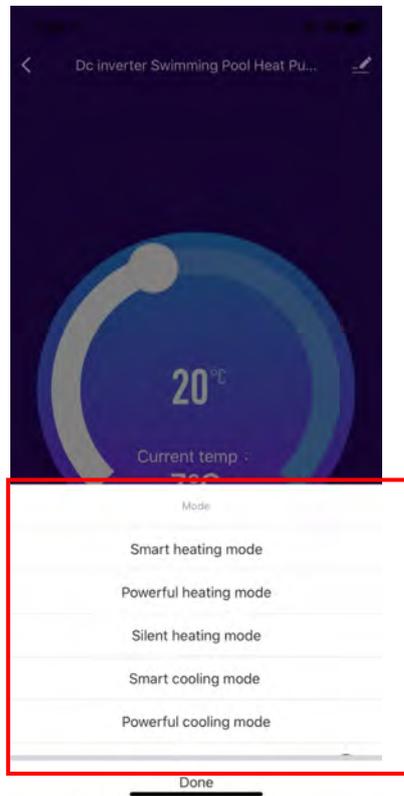


- ◆ The interface of the person to be Shared is as follows. The received shared device is displayed. Click it to operate and control the device.



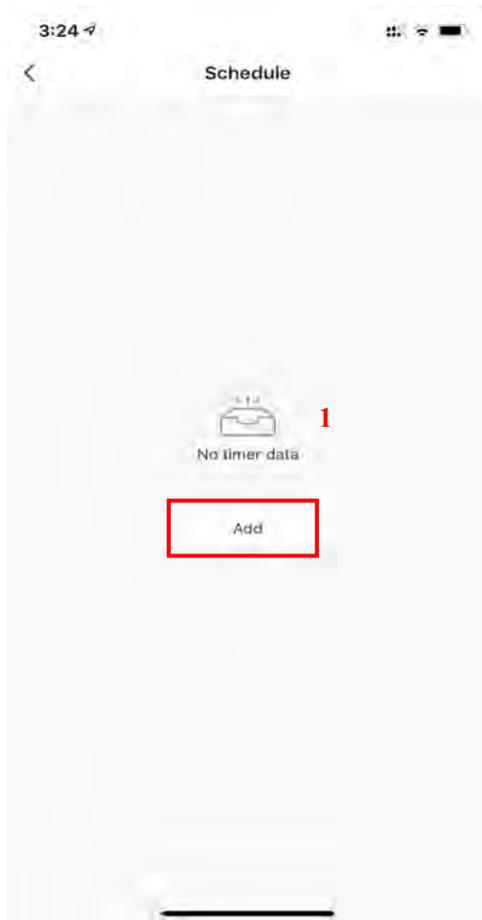
- **Mode settings**

- ◆ click“  ” on the main interface to switch modes,select what you need.

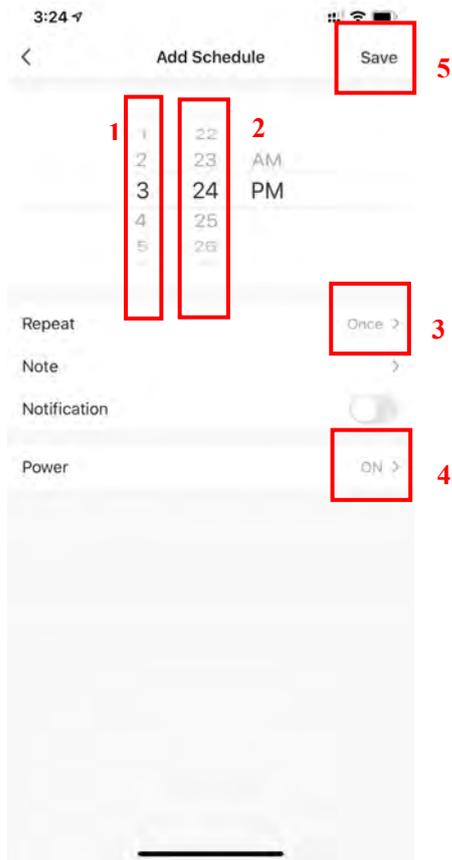


- **Timer setting**

- ◆ Click “” on the main interface to enter timer setting interface, as shown below,click to add timer.



- ◆ After entering timer setting,swipe up/down to set timer,set up repeat weeks and on/off,then click “save” to save your settings as follows.



- ① Hours
- ② Minutes
- ③ Set the repetition
- ④ Set power ON/OFF
- ⑤ Save your modification

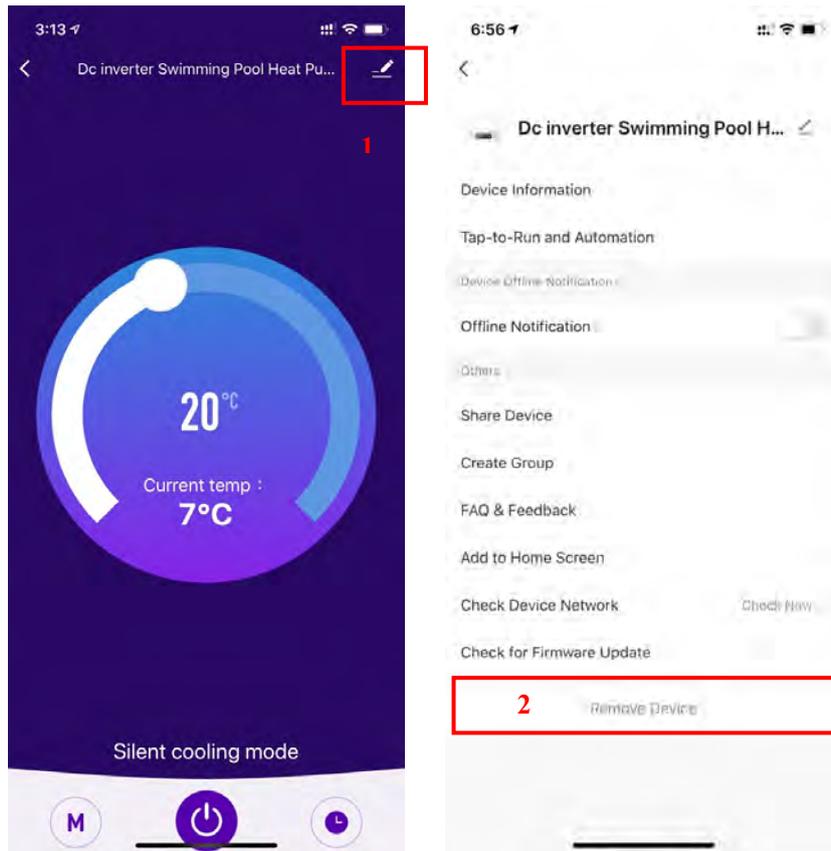
2.5 Device removal

- By Wi-Fi module

- ◆ When you need to remove the device, long press on “” for 3s to removed the device and enter intelligent distribution mode again. The indicator light under “” flashes rapidly for 3min, The network can be rematched ,or quit it if no operation within 3 minutes.

- By APP

- ◆ Click “” on the top right corner of the main interface to enter the device details interface, and click “device removal” to enter intelligent distribution mode. Indicator light under “” flashes rapidly for 3min, The network can be reconfigured within 3 minutes, and the network can be quit if it is not connected within 3 minutes. The specific operations are shown as follows.



VI. Maintenance

- (1) You should check the water supply system regularly to avoid the air entering into water system and occurrence of low water flow, it would reduce the performance and reliability of the heat pump.
- (2) Clean your pools and filtration system regularly to avoid the damage of the unit because of a dirty or clogged filter.
- (3) Discharge the water from the bottom of the water pump if the heat pump will stop running for a long time (specially in winter).
- (4) On any other moment, check the water flow to confirm there is enough water before the unit starts to run again.
- (5) After the unit is conditioned in winter, it is preferred to cover the unit with the special winter heat pump cover.

