1. REMOTE CONTROLLER OPERATION GUIDANCE

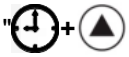
4.1. Control Panel Diagram



No.	Key	Function	No.	Key	Function
1		Turn on/off	4		Mode Key
2		Menu Key	5		Up Key
3		Timer Key	6		Down Key

4.2. Key Operating Instruction

No.	Item	Operation Way
1	ON/OFF	At the main interface, press " " to control system on / off.
2	Query System Status	● At the main interface, press " "for 3s to enter the system status interface. Press " " and " " to adjust. ● Press " " or 1 minute without key operation, this interface will exit.
3	Select Mode	At the main interface, short press " " to select mode between heating mode and cooling mode.
4	Set Temperature	● At the main interface, press" " or " " to enter temperature setting, and then press " " or " " to set the temperature. ● Press" "or " " key to save the setting value.
5	Set Clock	● Long press" " at the main interface to enter the current time hour setting. The hour part flash. Press " " and " " to adjust. ● Then press " " enter the current time minute setting. The digital pipe minute part flash. Press " " and " " to adjust. ● Press " " or 1 minute without operation, this interface will exit.
6	Lock/Unlock	Press " + " at the same time for 3s to lock/unlock. When the lock icon appears on the screen, it means that the display is locked.

No.	Item	Operation Way
7	Timer	● Press "" for 3s at the main interface to enter timer 1 ON setting. The "ON" icon will display. The hour part will flash. Press "" and "" to adjust. Then press "" to confirm and into the minute part setting. The minute part will flash. Press "" and "" to adjust. And then press "" again to confirm this setting. ● After timer 1 ON is completed, it will automatically enter the timer 1 OFF setting state, and the "OFF" icon will display. ● Press" " to enter the timer 2 setting state. The following steps are same as timer 1. ● Press""key will make this setting exit and will not be saved. ● Press""key for 3s will make the current setting ineffective.
8	Wi-Fi	● Press" " for 3s to enter the Wi-Fi network configuration mode. At this time, the interface displays AF, which means that you have successfully entered the AP network configuration mode. ● Press" " for 3s to enter the Wi-Fi network configuration mode. At this time, the interface displays AF, which means that you have successfully entered the EZ network configuration mode.
9	Manual Defrosting	At the main interface, press""for 3s to enter the manual defrosting function. The main board will determine whether to enter the manual defrosting function according to the conditions.

4.3. System Status

Code	Description	Range	Unit
1	Compressor frequency	0~120	Hz
3	Inlet water temp.	-99~999	°C
4	Outer coil temp.	-99~999	°C
5	Exhaust temp.	-99~999	°C
6	Suction temp.	-99~999	°C
7	Inter coil temp.	-99~999	°C
8	Ambient temp.	-99~999	°C
11	Outlet water temp.	-99~999	°C
17	Main valve step	0~999	p
25	Driver AC voltage	0~999	V
26	Driver AC current	0~99.9	A
27	Driver DC voltage	0~999	V
28	Driver phase current	0~99.9	A
29	Driver IPM temp.	-99~999	°C
30	Driver DC fan 1 speed	0~999	rpm
31	Driver DC fan 2 speed	0~999	rpm

4.4. Fault & Protections

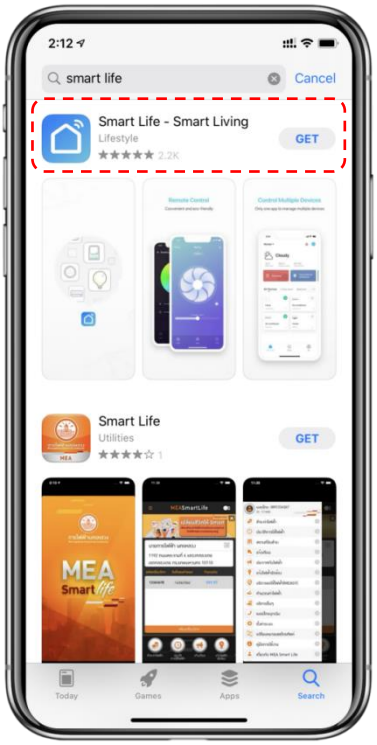
Fault Code	Fault Details	State
EE	Inlet and outlet water temp. sensor fault	Stop
E01	Wire controller communication protection	Stop
E02	Driver communication protection	Stop
E03	AC current protection	Stop
E04	AC voltage protection	Stop
E05	DC voltage protection	Stop
E06	Phase current protection	Stop
E07	IPM over temp. protection	Stop
E08	DC current protection	Stop
E09	High exhaust temp. protection	Stop
E10	Ambient temp. protection	Stop
E14	Low outlet water temp. protection（Cooling）	Stop
E15	High coil temp. protection（Cooling）	Stop
E16	High outlet water temp. protection（Heating）	Stop
E17	Water flow protection	Stop
E18	High pressure protection	Stop
E19	Low pressure protection	Stop
E20	Wrong phase fault	Stop

E21	Power supply phase A lost fault	Stop
E22	Inlet and outlet temp. difference protection	Stop
E23	Low ambient temp. protection (Heating)	Stop
E24	Low ambient temp. protection (Cooling)	Stop
E25	Low inside coil temp. protection (Cooling)	Stop
E26	DC-Fan fault (No feedback speed)	Stop
E27	Power supply phase B lost fault	Stop
E28	Power supply phase C lost fault	Stop
E29	Parameter reading fault(Reserved)	Run
E38	Driver module protection	Stop
E49	Inlet sensor fault	
E50	Coil sensor fault	Keep running
E51	Exhaust sensor fault	stop
E52	Suction sensor fault	Keep running
E53	Inside coil sensor fault	Keep running
E54	Ambient sensor fault	Keep running
E57	Outlet sensor fault	
D17	Driver IPM over current protection	Stop
D18	Driver compressor fault (except IPM fault)	Stop
D19	Driver compressor over current protection	Stop
D22	Driver IPM high temp. protection	Stop
D23	Driver PFC fault	Stop
D24	Driver DC bus high voltage protection	Stop
D25	Driver DC bus low voltage protection	Stop
D26	Driver AC low voltage protection	Stop
D27	Driver AC over current protection	Stop
D28	Reserved	
D29	Reserved	
D30	Reserved	
D31	Reserved	
D32	Driver communication fault	Stop
D33	Driver IPM temp. protection	Stop
D34	Driver DC fan 1 fault	Stop
D35	Driver DC fan 2 fault	Stop
D36	Driver transformer input 15V low voltage protection	Stop

4.5. Wi-Fi Settings

4.5.1 Software Installation

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



② Method 2: Scan the QR code below.

For IOS and Android Users

4.5.2 Software Startup

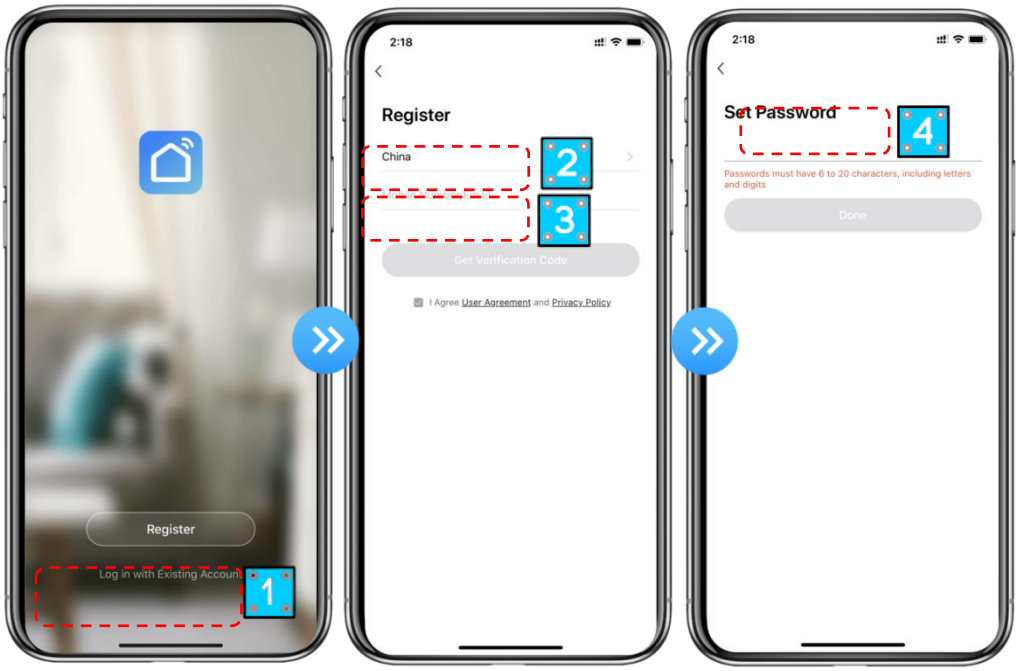
After installation, click “ ” on your desktop to start up Smart Life.



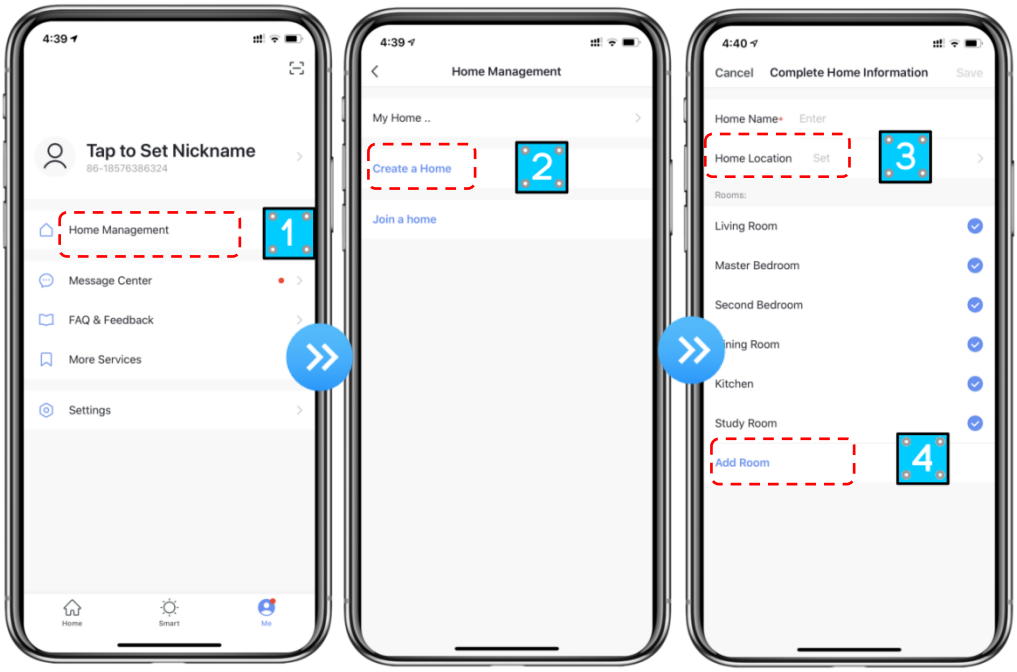
4.5.3 Software Registration and Configuration

1. Registration

① 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;

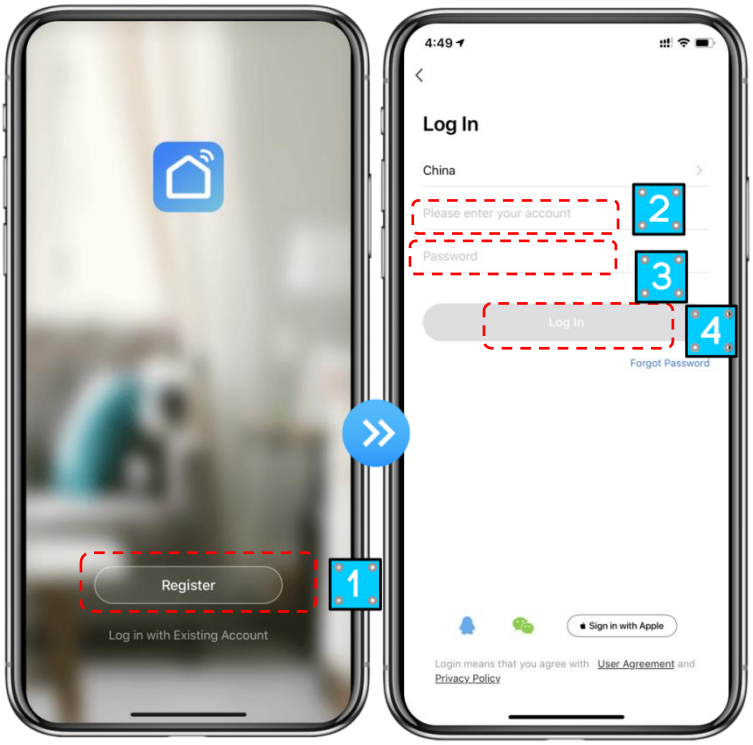


② After registration, you need to Create a Home: Create a Home → Set Home Name → Set Home Location → Add Rooms.

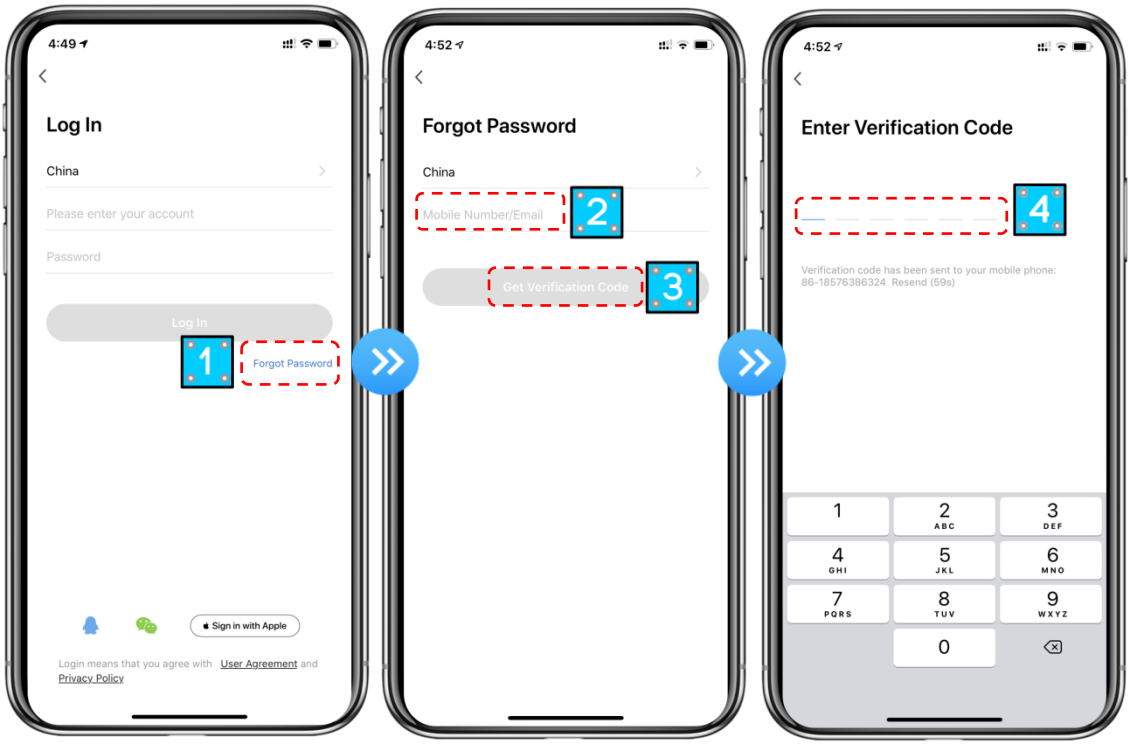


2. Account ID+ Password Login

① Existing accounts can be logged in directly, in the following order.



② 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 .



③ 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.

3. Wi-Fi Module configuration steps:

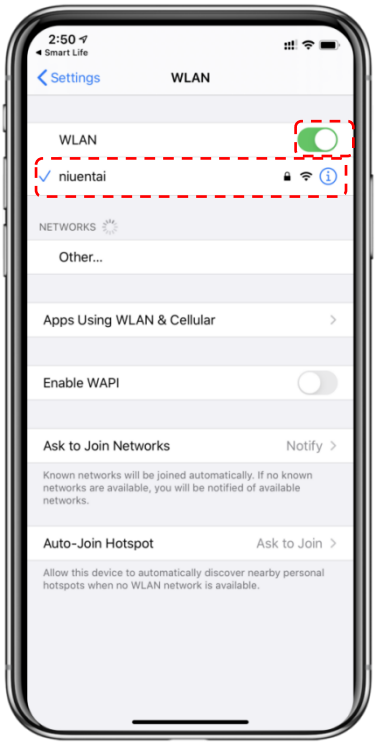
Method 1

Step 1:

EZ Mode: When power is on, press and hold the" ▲ + ⏻ "keys at the same time for 3 seconds to enter the distribution network. The " " icon will flash rapidly;.

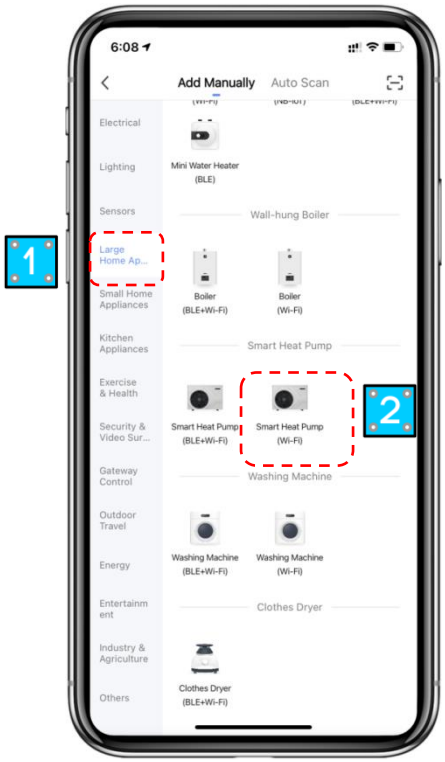
Step 2:

Turn on the phone's Wi-Fi function and connect to the Wi-Fi hot-spot. The Wi-Fi hot-spot must be able to connect to the Internet normally;



Step 3:

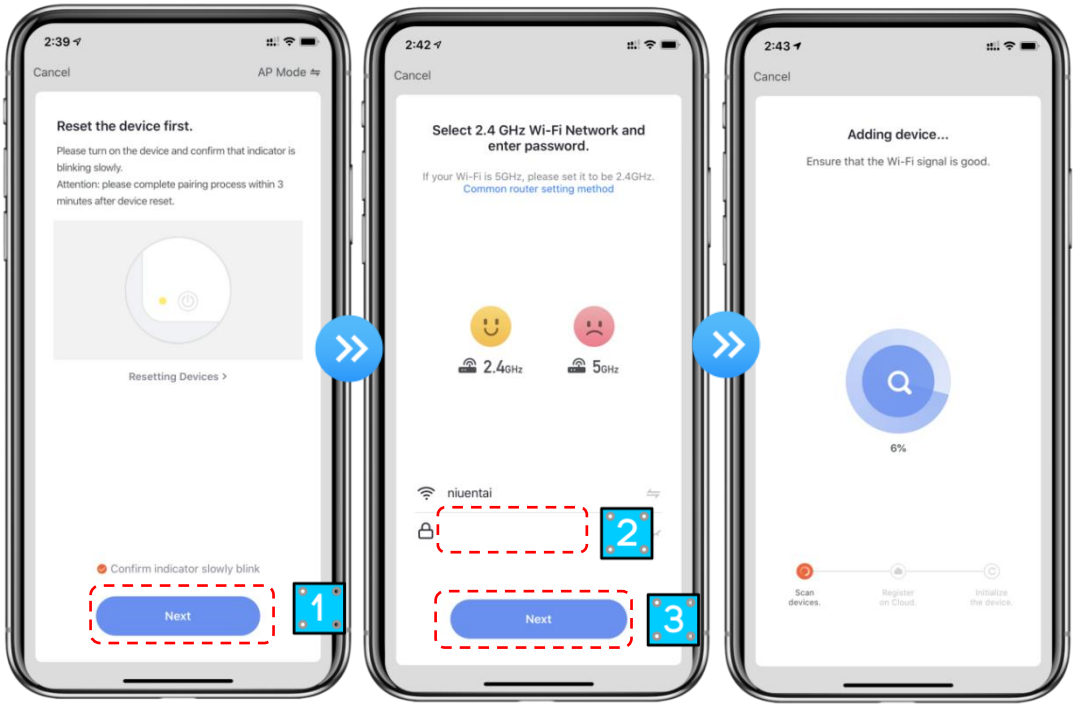
Open the "smart life" APP, log in into the main interface, click on the top right corner "+" or "add equipment" of the interface, enter the equipment type selection, the "Large Home Appliances" , select "Smart Heat Pump" equipment and add equipment into the interface.



Step 4:

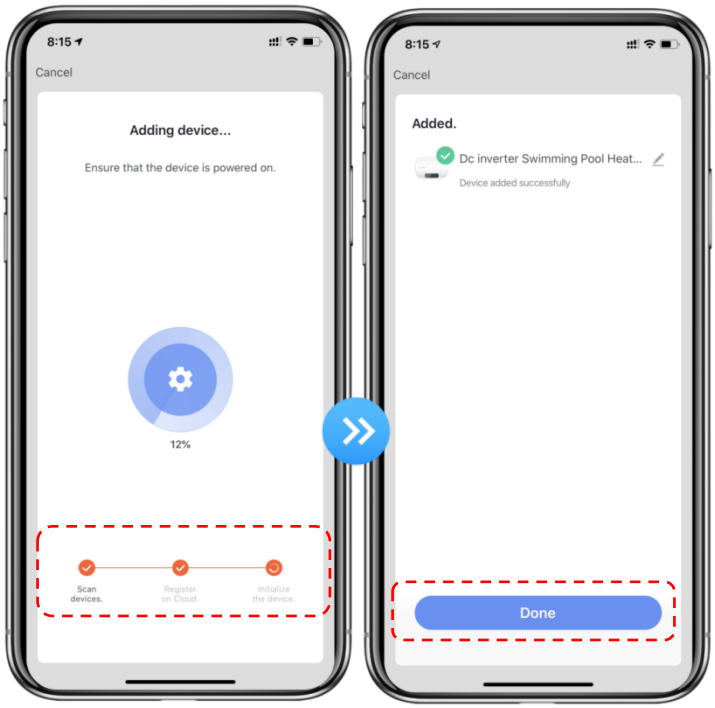
After selecting "Smart Heat Pump", enter the interface of "Add Equipment", and confirm that the wire controller has selected the EZ mode. After the indicator light under "" flashes rapidly , click" Confirm indicator rapidly blink ".

Enter the Wi-Fi connection interface, enter the Wi-Fi password of the mobile phone (it must be the same as the Wi-Fi of the mobile phone), click "Next", and then directly enter the connected status of the device.



Step 5:

When “Scan devices”, “Register on Cloud”, “Initialize the device” are all completed, connect succeeds.



Method 2

Step 1

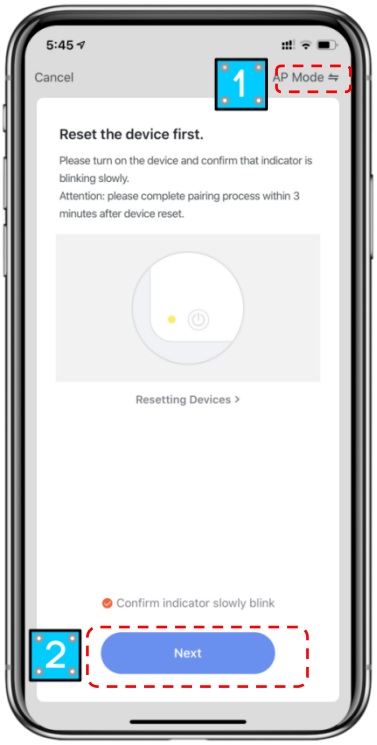
AP Mode: Press and hold the" ▼ + ⏻ "keys at the same time for 3 seconds to enter the distribution network. The "" icon will flash slowly.

Step 2&3

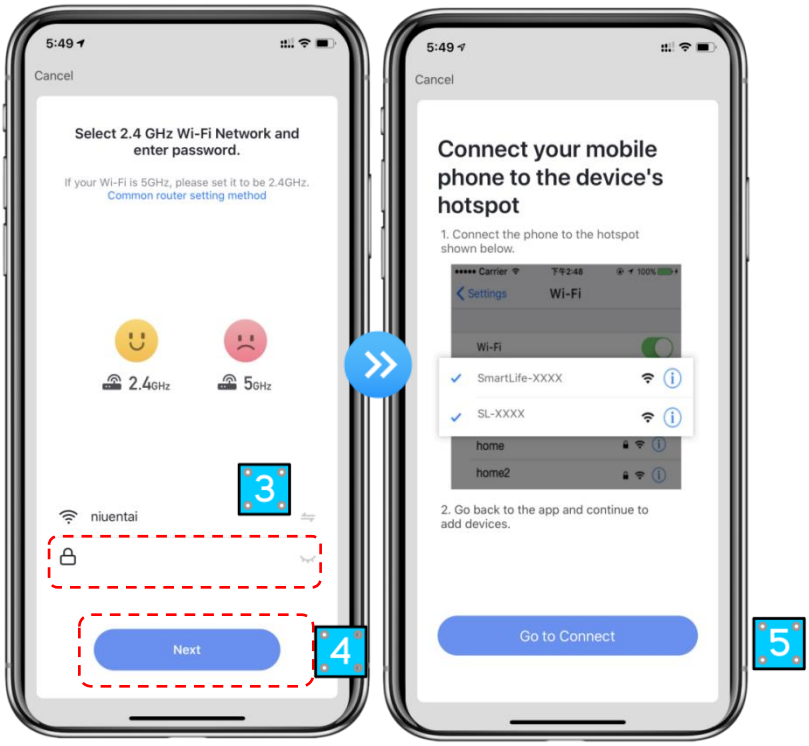
Same with EZ Mode above.

Step 4

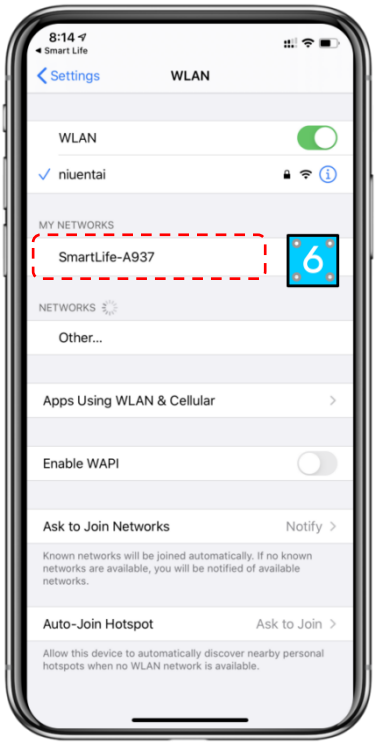
After entering the add device interface, click "EZ Mode" in the upper right corner; Enter the AP mode to add the device interface, confirm that the AP mode has been selected, and click “Confirm indicator slowly blink".



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



Enter the mobile phone Wi-Fi connection interface, find the "Smart Life_XXXX" connection, and the APP will automatically enter the device connection status.

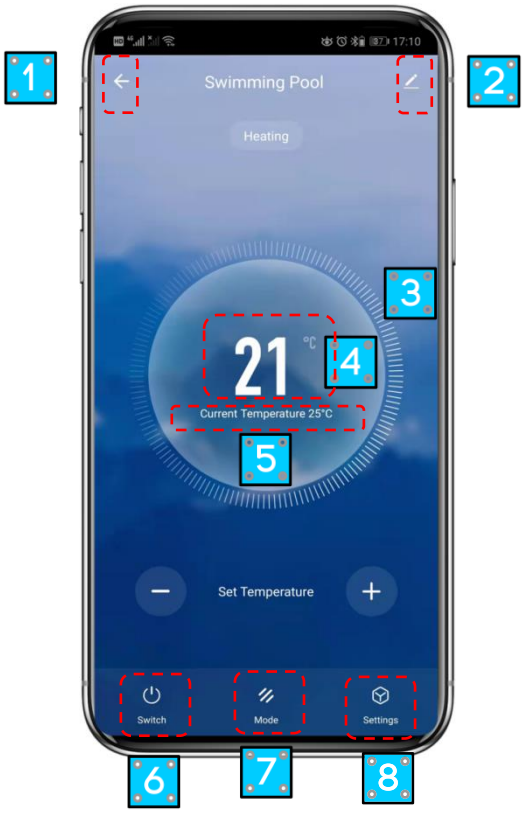


Step 5 : Same as EZ mode above.

Note: If the connection is failed, please enter the AP mode manually and reconnect according to the above steps.

4.5.4 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 temp. adjustment: The circle slides counterclockwise to reduce the temp., but clockwise to increase the temp..

④ Target temp.

⑤ Current temp.

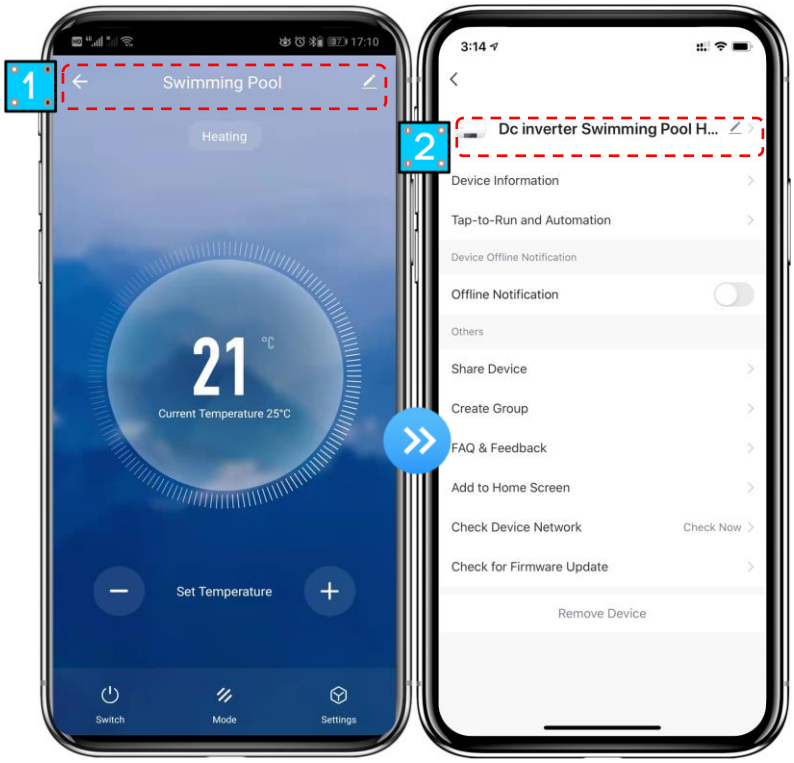
⑥ ON/OFF

⑦ Mode switching: Click to select the mode to be switched.

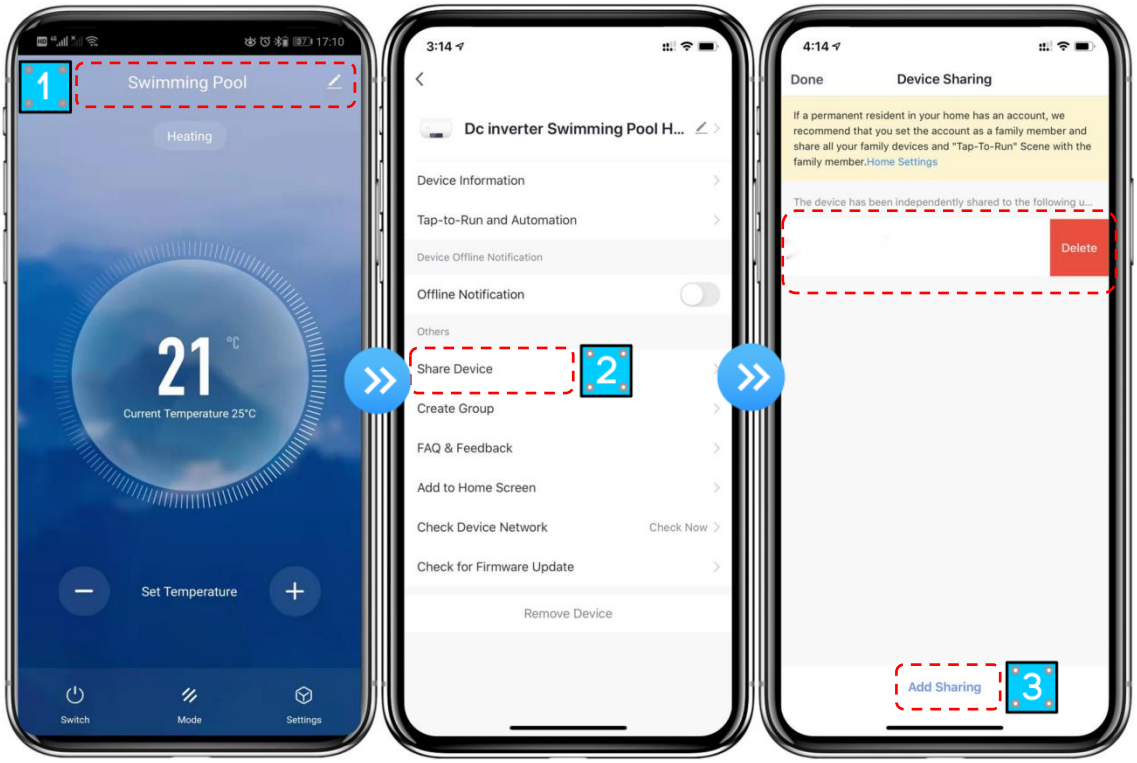
⑧ Timing: Click to add timing off/on time.

- **Modify device name**

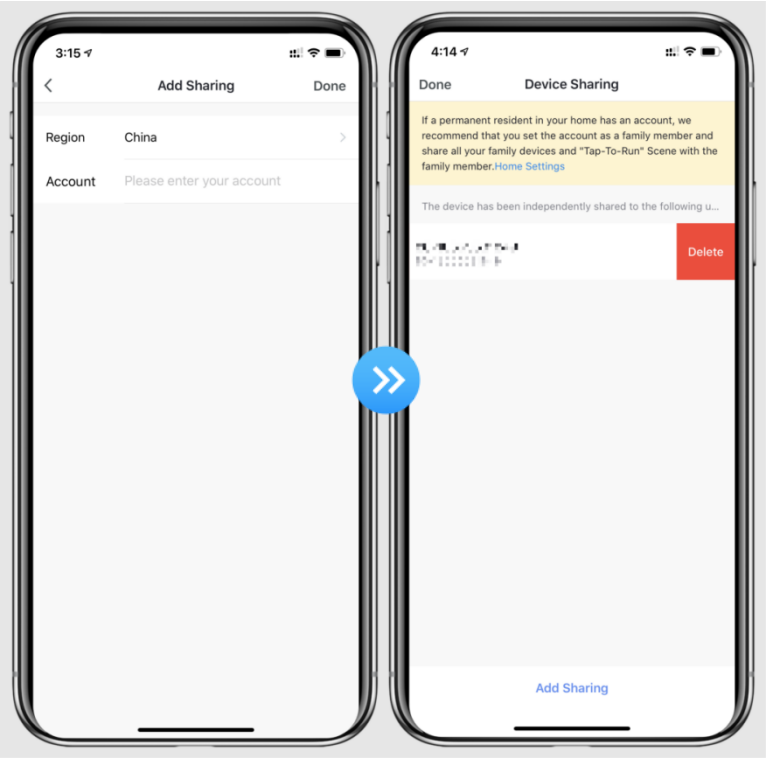
  Click in the following order to enter device details, and click "Device Name" to rename the device.



- **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.

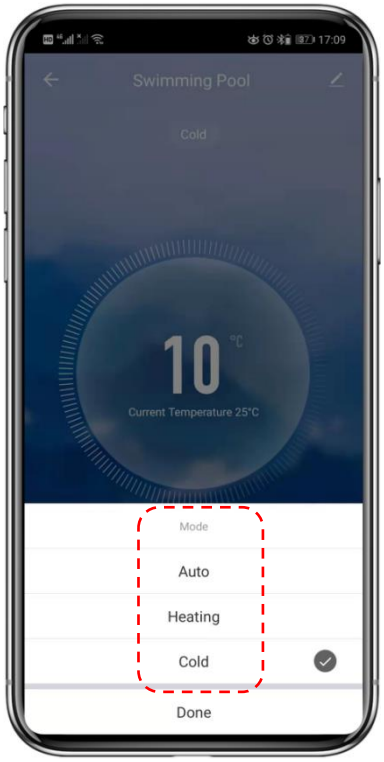


- The interface of the person to be shared is as follows. The received shared device is displayed. Click it to operate and control the device.



- **Mode settings**

Click “ ” on the main interface to switch modes, select what you need.

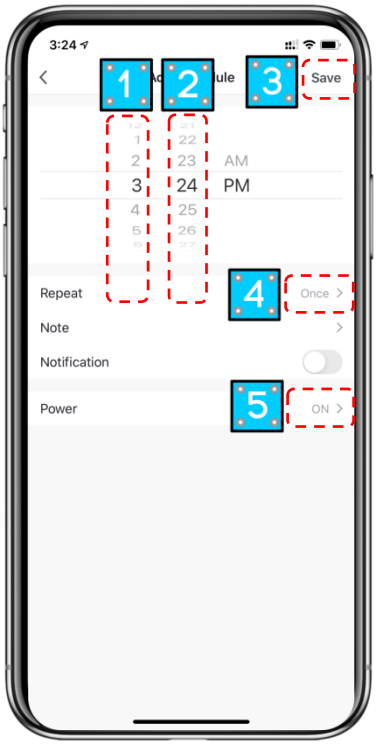


- **Timer setting**

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



1. 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

4.5.5 Device Removal

Click “ ” on the top right corner of the main interface to enter the device details interface, and click “device removal” to enter EZ 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.

