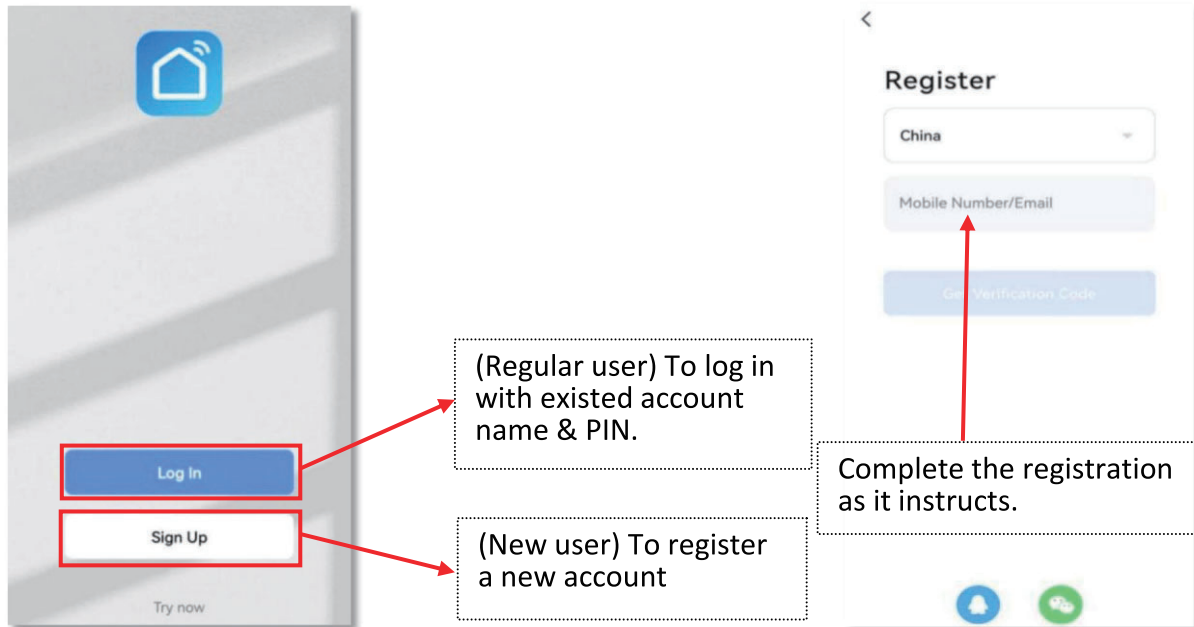


5.3.2. User Registration

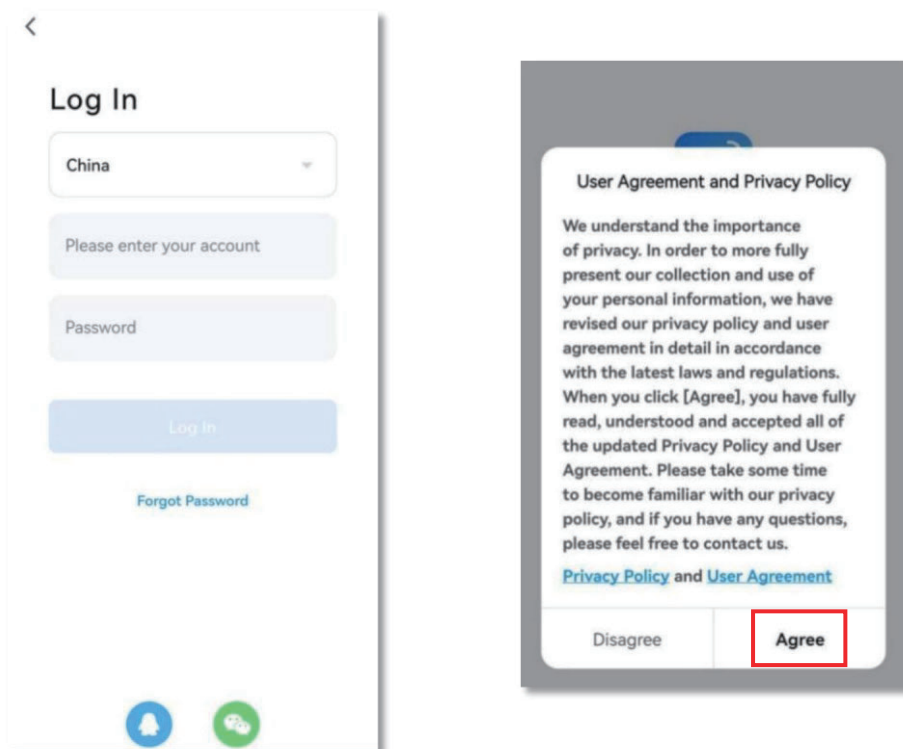
(1). New users need to register at the first time use.

(2). Finish your registration according to the instruction.

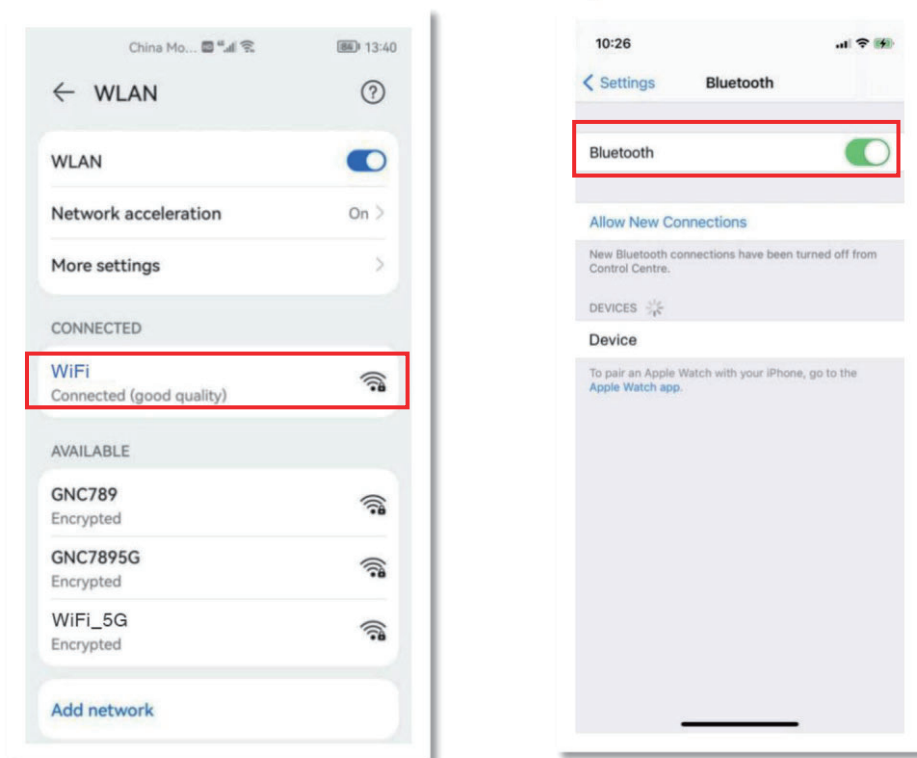


5.3.3. User Login

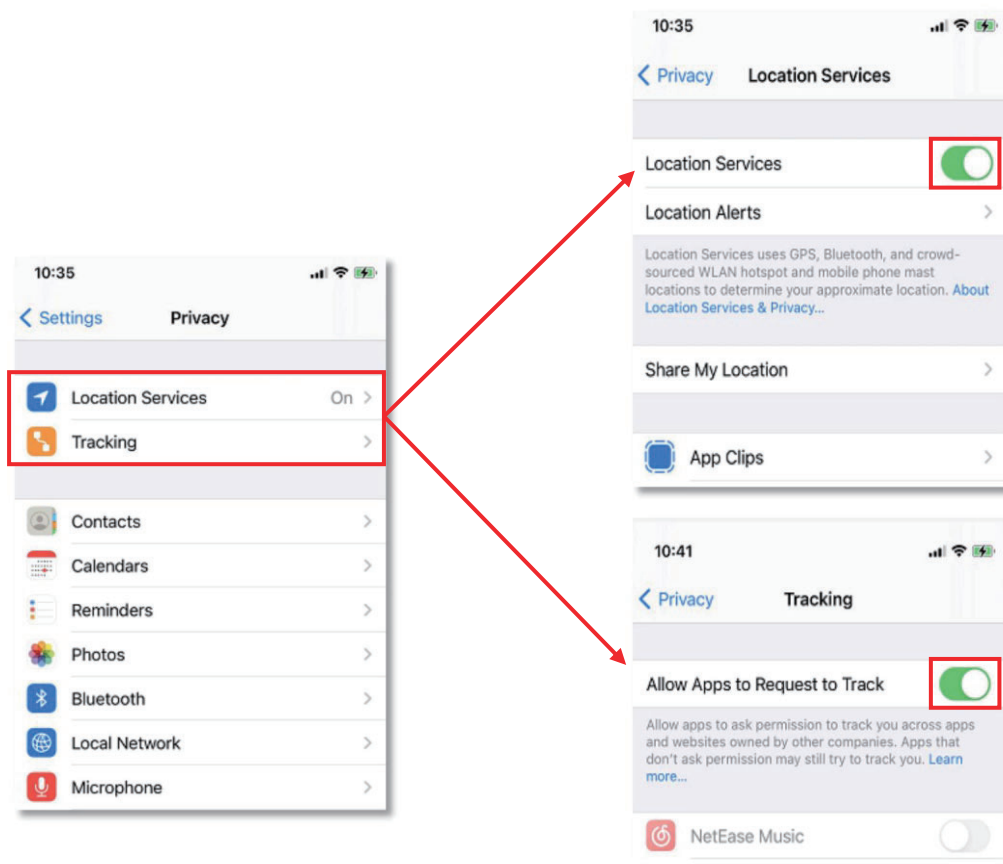
Select your location, enter the account name and PIN, and need to agree the Privacy Policy.



Connect your smartphone to the available Wi-Fi (the same Wi-Fi source as the cooling unit device connects). And also keep your smartphone Bluetooth open in the meanwhile.

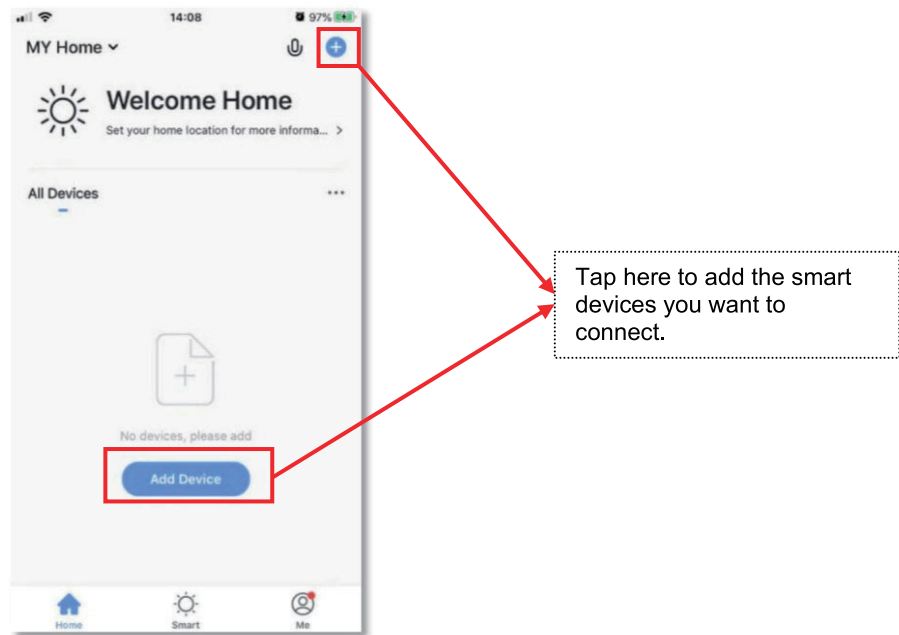


Ensure your smartphone Location Services remain “On” and also turn on “Allow Apps to Request to Track” :

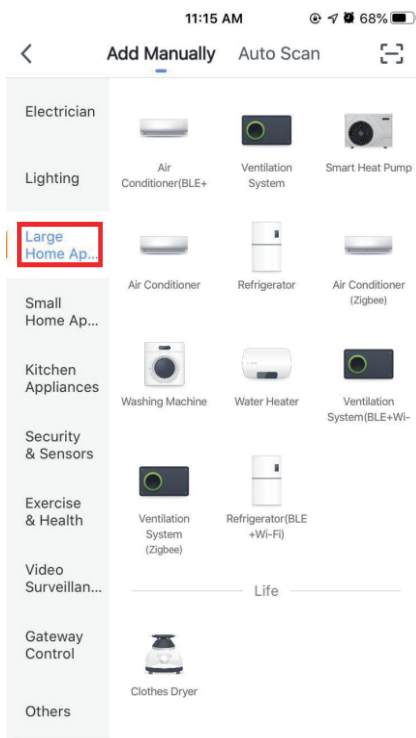


5.3.4. Add Device

Tap “+” at the right upper corner, or tap “Add device” button to add the smart devices you want to connect.



select “large home appliance” to enter the “Add manually” interface .and then select “water heater”



Once above steps finished, it enters device adding interface. Internet distribution methods are “Default mode (Wi-Fi fast connection)” and “Compatibility mode (Wi-Fi distributed)”.

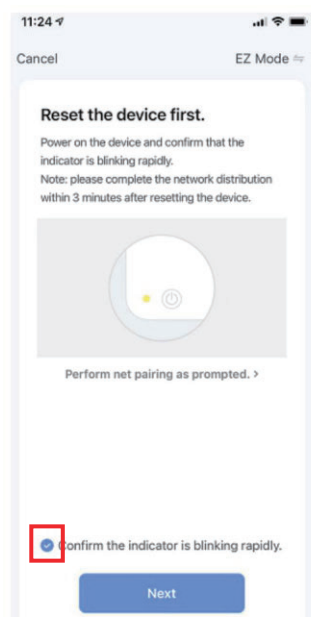
(1) For default mode (Wi-Fi fast connection. The icon of Wi-Fi flashes fast on cooling unit controller. Most users select this mode.)

Then enter this below interface and need to input Wi-Fi account & Wi-Fi password (the same Wi-Fi source as the cooling unit device connects):

After inputting above information , tap the “Next” button.



When you enter below interface , please tap the little circle first.

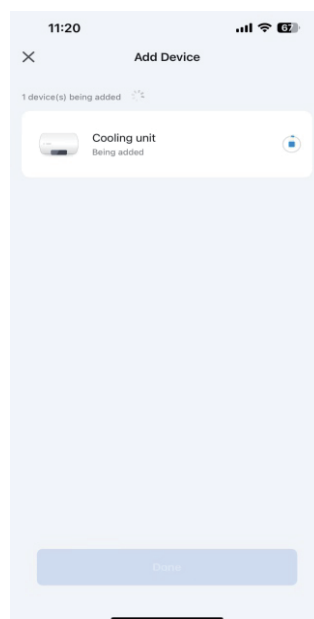
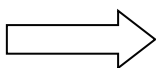
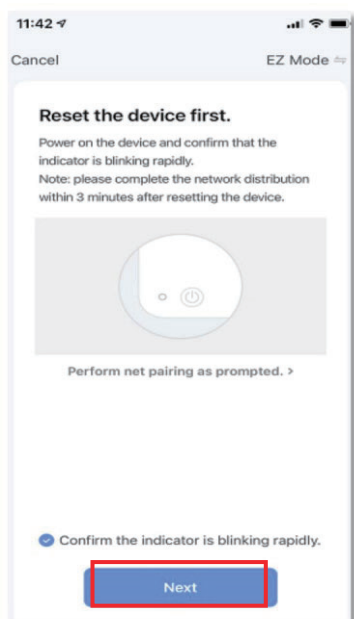


Then, operate the controller of cooling unit like this below :

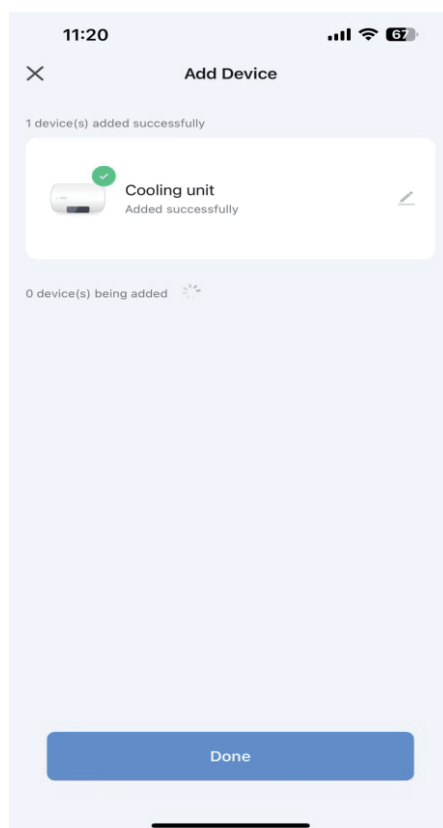
Using your fingers to press on these two buttons at the same time until the “” icon start flashing.



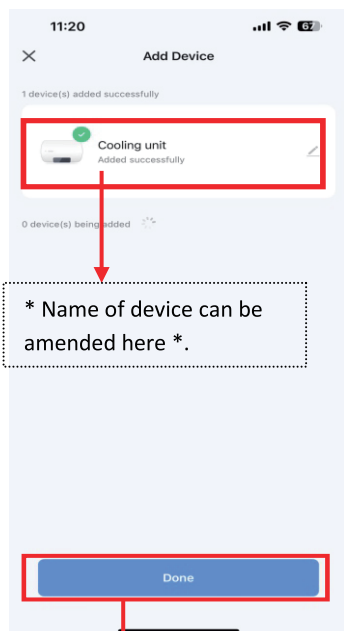
When the “”icon displays and starts flashing , click the “Next” button on your smartphone to enter into this searching interface. The searching status may last for several seconds to two minutes.



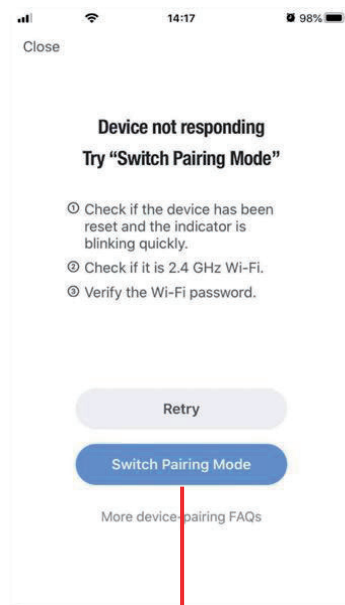
When below page comes up, it means your smartphone has been connected successfully.



Device name changing and solution of fail connection:

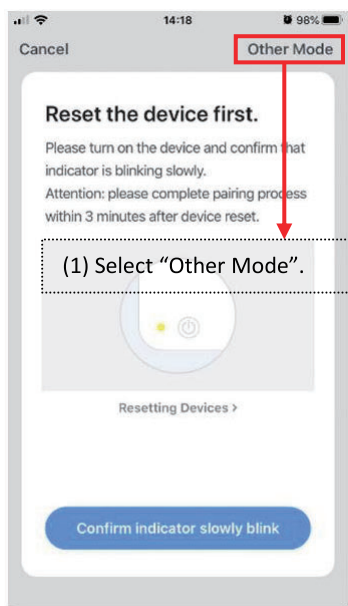


(1). Click "Done" to complete the connection and start to control your cooling unit device.

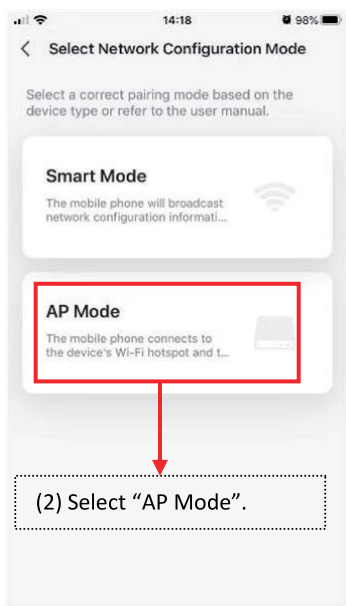


(2). If connection fails, users can try again or check the proposed solution here.

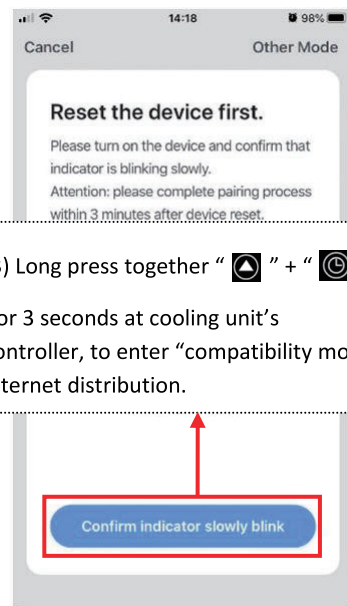
(2) For the compatibility mode (Distributed Wi-Fi, the icon of Wi-Fi flashes slowly on cooling unit controller)



(1) Select "Other Mode".

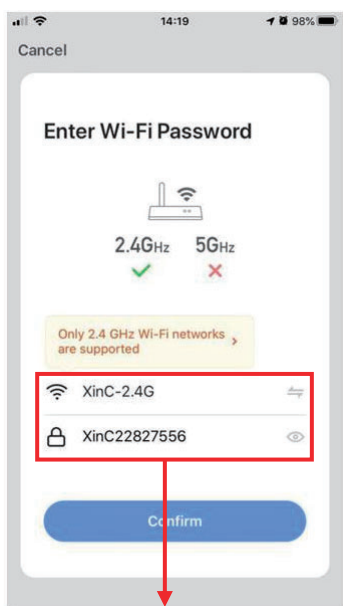


(2) Select "AP Mode".

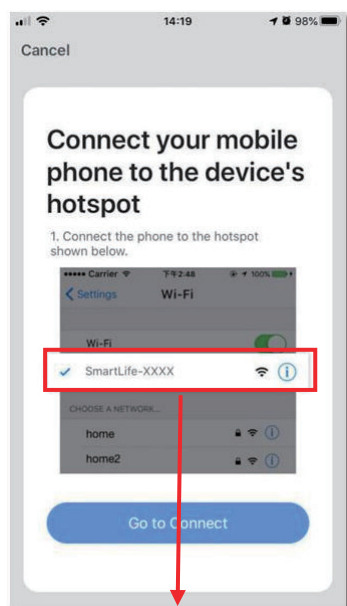


(3) Long press together "▲" + "⌂"

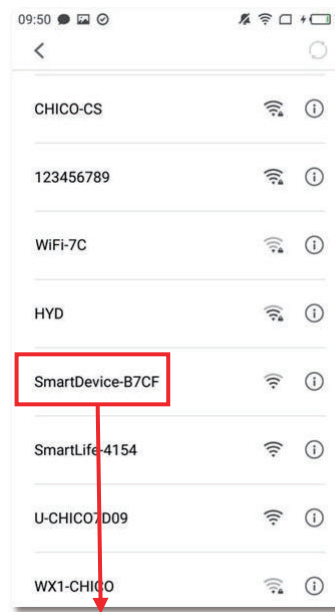
for 3 seconds at cooling unit's controller, to enter "compatibility mode" internet distribution.



(4) Select the available Wi-Fi and enter PIN, then confirm.

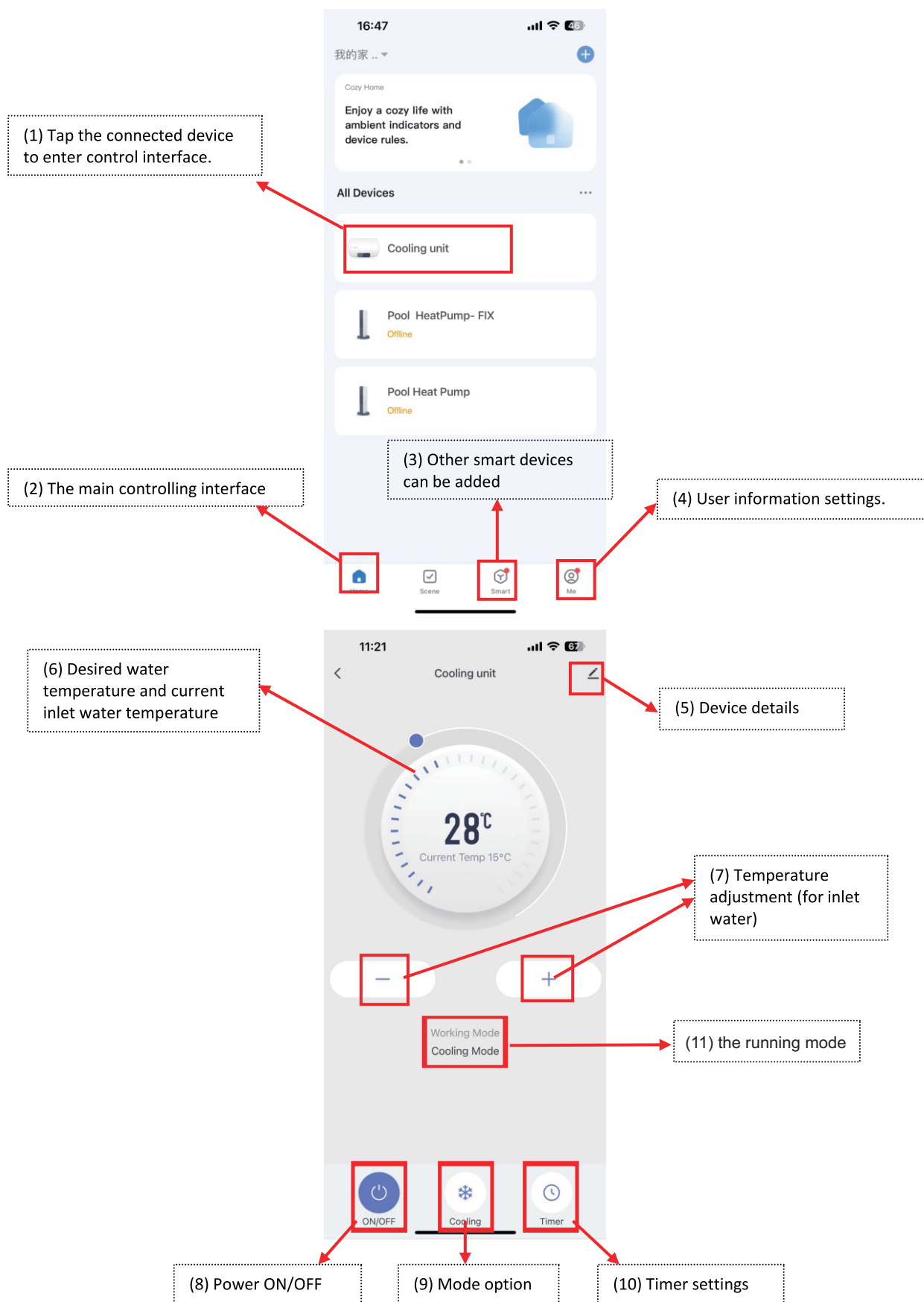


(5) Select the Wi-Fi "SmartLife-XXXX" and connect.



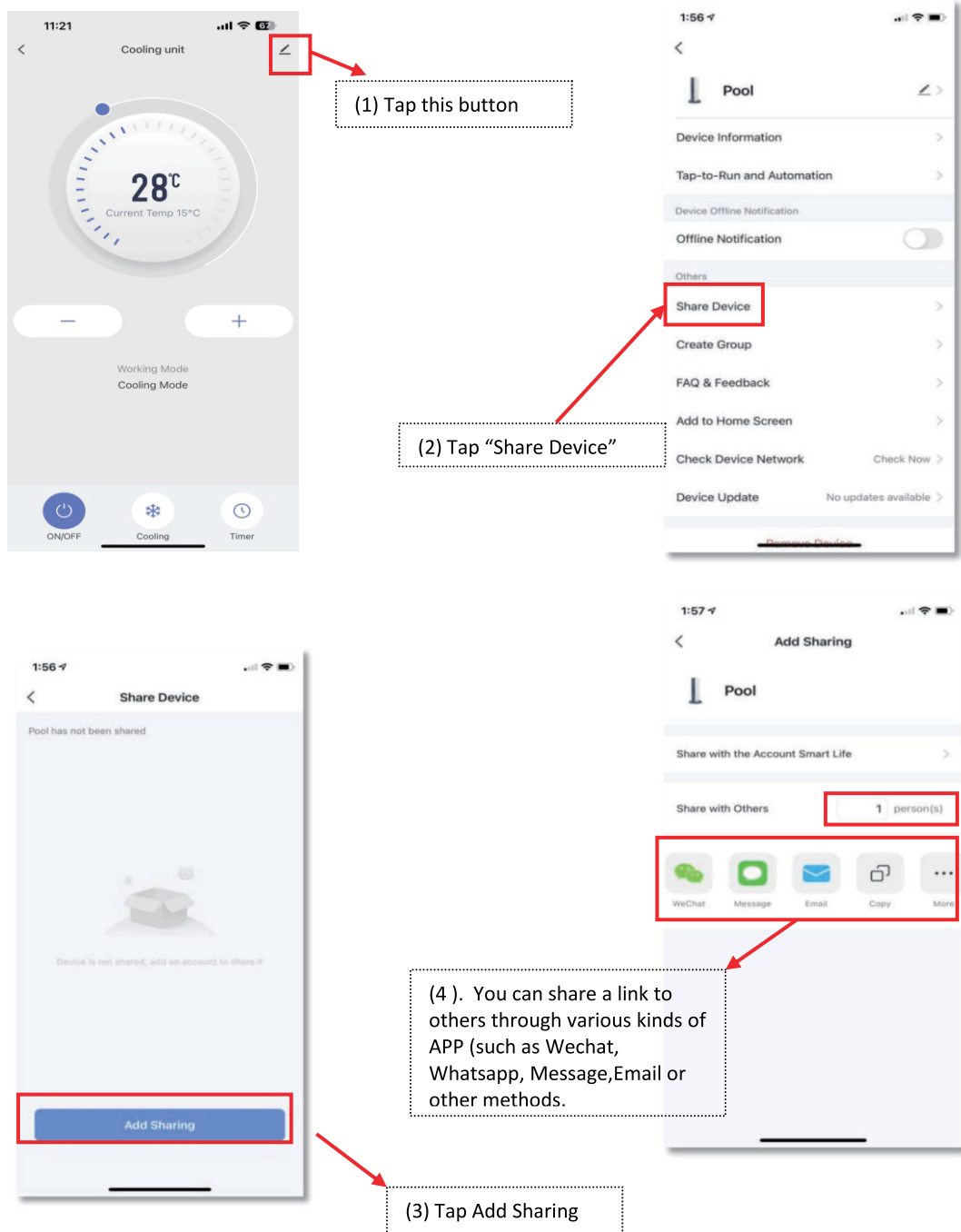
(6) Once connected, it may return to APP main interface.

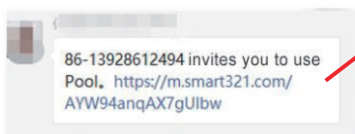
5.3.5. Wi-Fi Control Interface



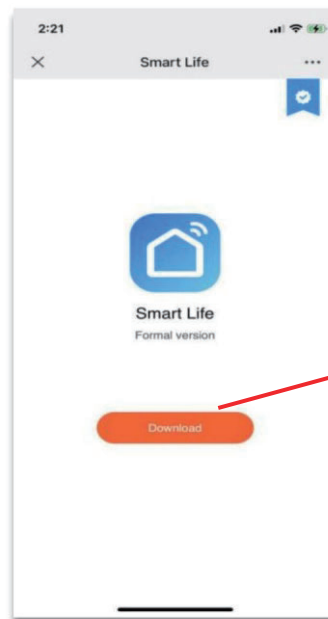
5.3.6. Share Device to Your Family Members

After connection, if you want to share the device with your family, please follow below steps:





(5). Take Wechat as example: Other users will receive a link to download the Smart Life APP through the link shared by Wechat.



(6). Other users can click the shared link to download the Smart Life APP and get connected to your cooling unit.

Remark: The app is subject to updates without notice.

6. MAINTENANCE AND WINTERIZING

6.1. Maintenance

WARNING: Make sure the power supply is cut off before any maintenance work is performed on the cooling unit.

① Cleaning

- a. Please clean the cooling unit with household cleaners or water, do not use gasoline, thinner or any similar fuel.
- b. The finned-tube heat exchanger at the rear of the cooling unit must be carefully cleaned using a vacuum cleaner and soft brush.

② Annual Maintenance

The following operations must be performed by qualified personnel at least once a year. Do not attempt to work on the equipment by yourself. Improper operation may cause danger.

- a. Conduct safety checks.
- b. Check the connection and integrity of the wires.
- c. Check the bolts and screws for looseness.
- d. Check the ground connection.
- e. Monitor for refrigerant leaks.

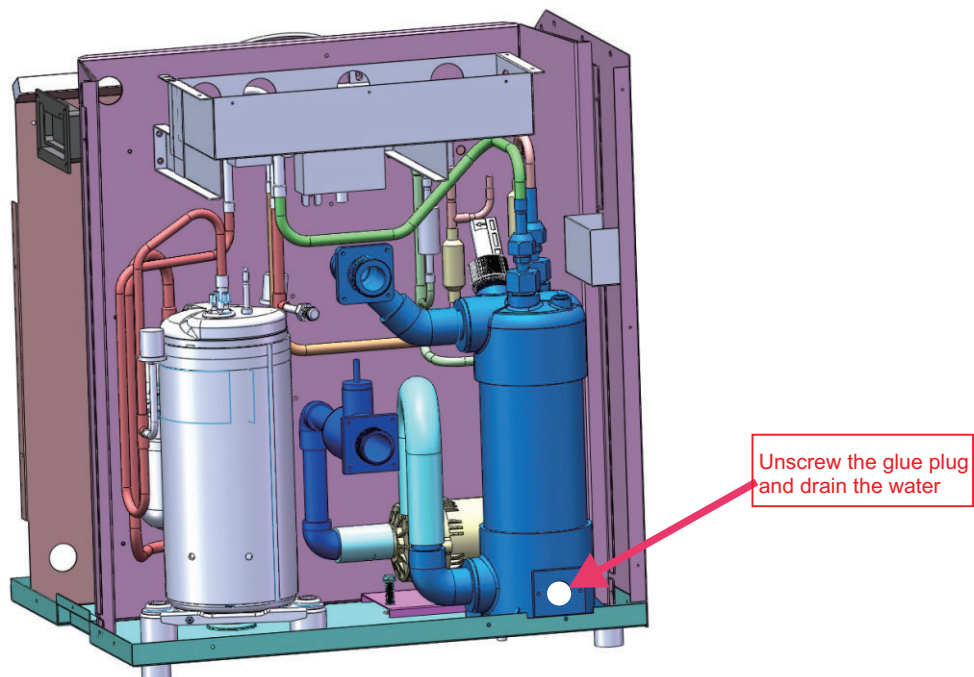
③ Instruction for replacement of built in water pump

1st step:

Switch off the power supply;

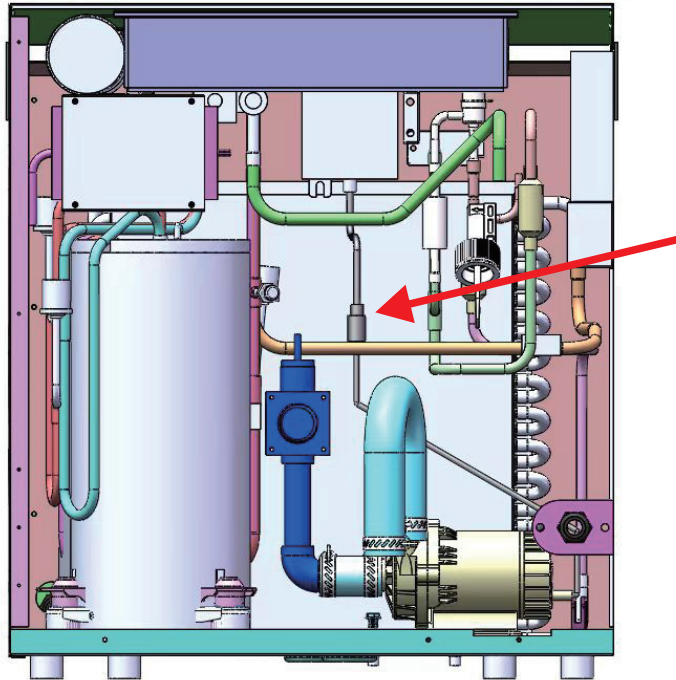
Remove the top cover and the back panel, make the water loop exposed as below picture.

Release the water before you disassemble the water loop.



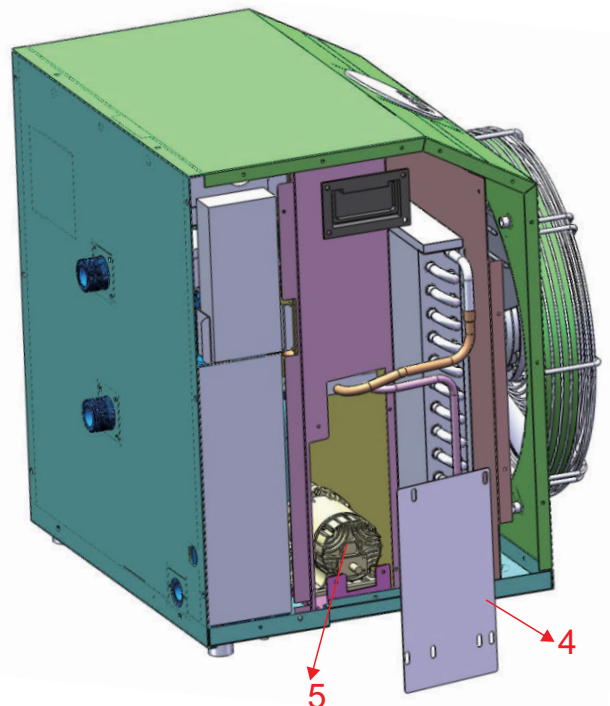
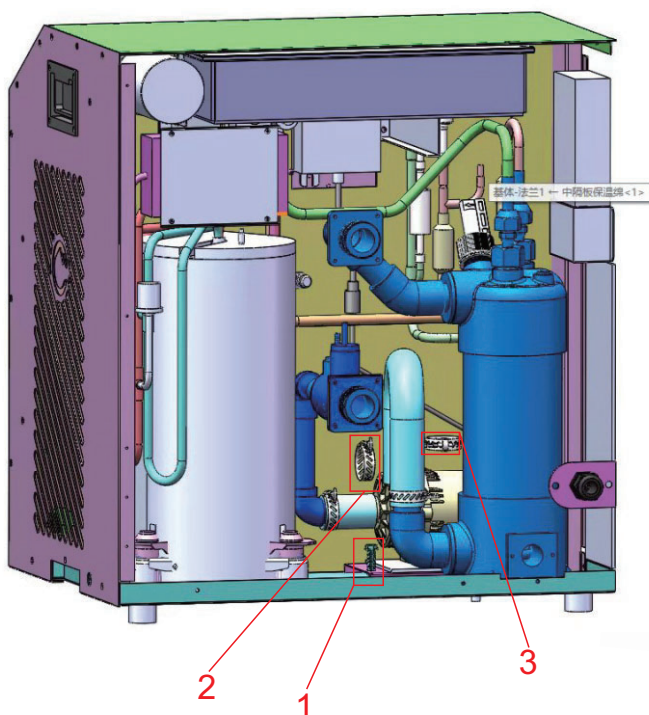
2nd step:

Find the water pump, remove the power supply cord from its actuate ;



3rd step:

- 1: Unscrew the bolts of the water pump retaining plate
- 2、3: Loosen the hose clamps by finger, at both inlet and outlet water pump.
- 4: Remove the side sealing plates
- 5: Take out the water pump and water pump mounting bracket from the side sealing plates



6.2.Malfunction indicating table

Protection/Fault	Code
Standby	
Normal startup	
Protection against excessive water temperature difference between inlet and outlet (3 consecutive times within 30 minutes)	E2
High exhaust temperature protection	E3
System high pressure fault	E4
Low ambient temperature protection	E6
Communication fault	E8
Coil temperature sensor fault	P1
Exhaust temperature sensor fault	P2
Water inlet temperature sensor fault	P3
Water outlet temperature fault	P4
Return air temperature sensor fault	P5
Protection against excessive difference in inlet and outlet water temperature	P6
Ambient temperature sensor fault	P7
Cooling subcooling protection	P8
System low pressure fault	P9
Temperature fault of cooling coil (reserved)	Pb
Winter first grade antifreeze protection	PC
Winter second grade antifreeze protection	PC
Water flow fault	PL
Defrosting	Defrost

6.3.Determine and solve malfunction by below table:

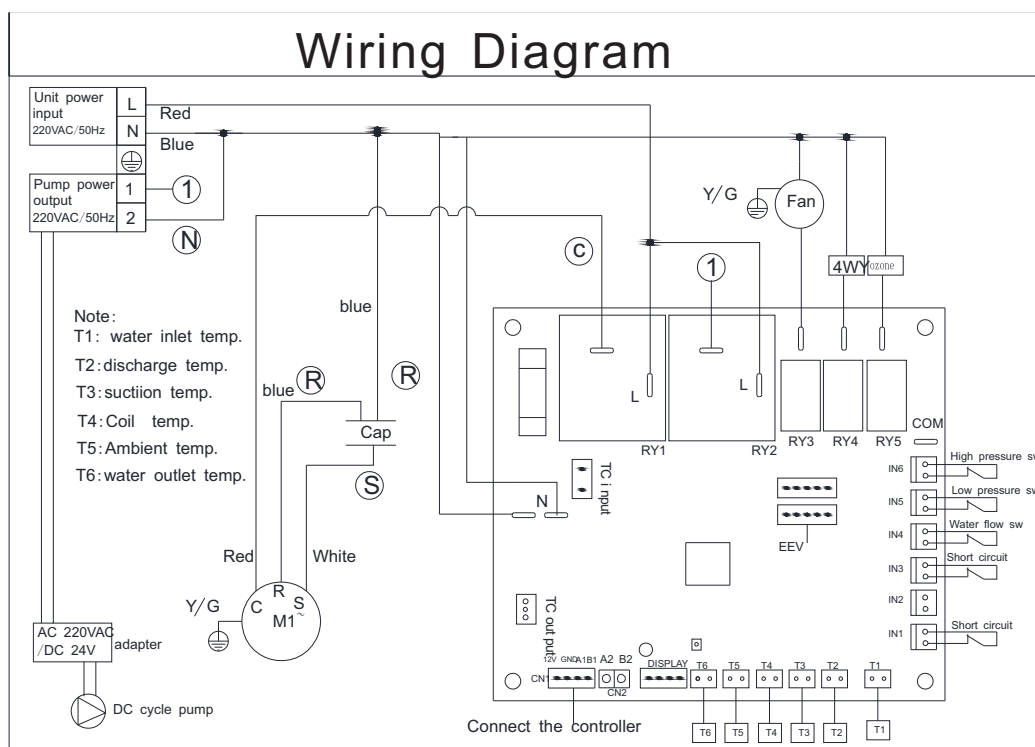
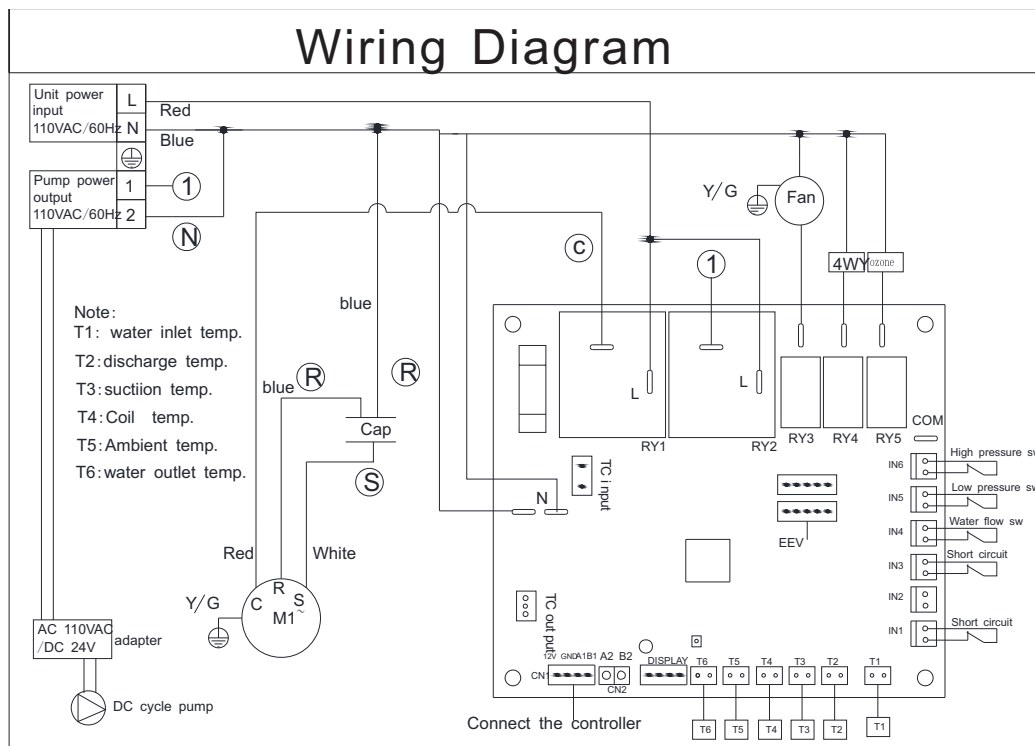
Malfunction	Reason	Solution
The unit can't run	1.Power failures 2. The unit wire loses 3. The unit power fuse burns out.	1. Shut down and check the power 2.Check the reason and repair 3.Check and change the power fuse
The water pump can run but can't circulate and is noisy	1. The water system is lack of water 2. There's air in the system. 3. The water system valve doesn't open entirely 4. The water filter is dirty and jam	1.Check the water supplement equipment and supply water into the system. 2.Exhaust the air from the water system 3.Clean the water filter or exhaust the air from system 4.Clean the water filter
The cooling capacity is too low and the compressor works continuously without pause.	1. Refrigerant is insufficient 2. Thermal insulation of the water system is poor 3. Thermal discharge of the exchange is poor 4. Water flow volume is insufficient	1.Check the leakage and add refrigerant 2.Enhance the thermal insulation of the pipe route 3.Clean the exchanger and improve the condensation condition 4. Clean the water filter
The compressor exhausted pressure is too high	1.Too much refrigerant 2.Thermal discharge of the exchange is poor	1. Discharge surplus refrigerant 2. Clean the exchanger and improve the condensation condition
The compressor suction pressure is too low	1. Refrigerant is insufficient 2. The filter and or capillary tube jam 3. Water flow volume is insufficient 4. Capillary tube of expansion valve sensor bulb breakdown	1.Check the leakage and add refrigerant 2.Change the capillary tube or filter 3.Clean the exchanger and improve the condensation condition 4.Change the expansion valve
The compressor suction pressure is too low	1. Refrigerant is insufficient 2. The filter and or capillary tube jam 3. Water flow volume is insufficient 4. Capillary tube of expansion valve sensor bulb breakdown	1.Check the leakage and add refrigerant 2. Change the capillary tube or filter 3.Clean the exchanger and improve the condensation condition 4.Change the expansion valve
Compressor can't work	1. Power failure 2. Compressor Control damaged 3. Wire loses 4. Compressor overload protection 5. Return water temperature setting incorrect 6. Water flow volume is insufficient	1.Check the power and solve the malfunction 2.Change Control 3.Check loose reason and repair 4. Compressor overload protection 5. Reset the return water temperature 6. Clean the water filter and exhaust the air from the system
Compressor noisy	1.Refrigerant enter into the compressor 2.Compressor damaged	1.Check the reason and solve the malfunction 2.Change the compressor
Fan can't work	1 Fan relay damaged 2.Motor is burnt out	1. Change the fan relay 2. Change the fan motor
The compressor run but no refrigeration	1. The refrigerant leak out 2. Plate exchanger freezes 3. Compressor failure	1.Check the leakage and add refrigerant 2.Check the reason and change the plate exchanger 3.Change the compressor
Low water temperature protection to the unit	1.Water flow volume is insufficient 2.Temperature Control setting is too low	1.Clean the water filter and exhaust the air from the system 2.Re-set
Few water flow volume protection to the unit	1.Water flow volume is insufficient 2.Flow switch	1.Clean the water filter and exhaust the air from the system 2.Change the flow switch

6.2. Winterizing

WARNING: Cut off the power supply of the cooling unit before cleaning, inspecting and repairing.

In winter when the cooling unit is shut down for a long time:

- Cut off the power supply to prevent any damage to the cooling unit.
- Drain the water from the cooling unit. Unscrew the water connection of the inlet pipe and let the water flow out. When water freezes in the cooling unit in winter, it may damage the titanium heat exchanger.



FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.