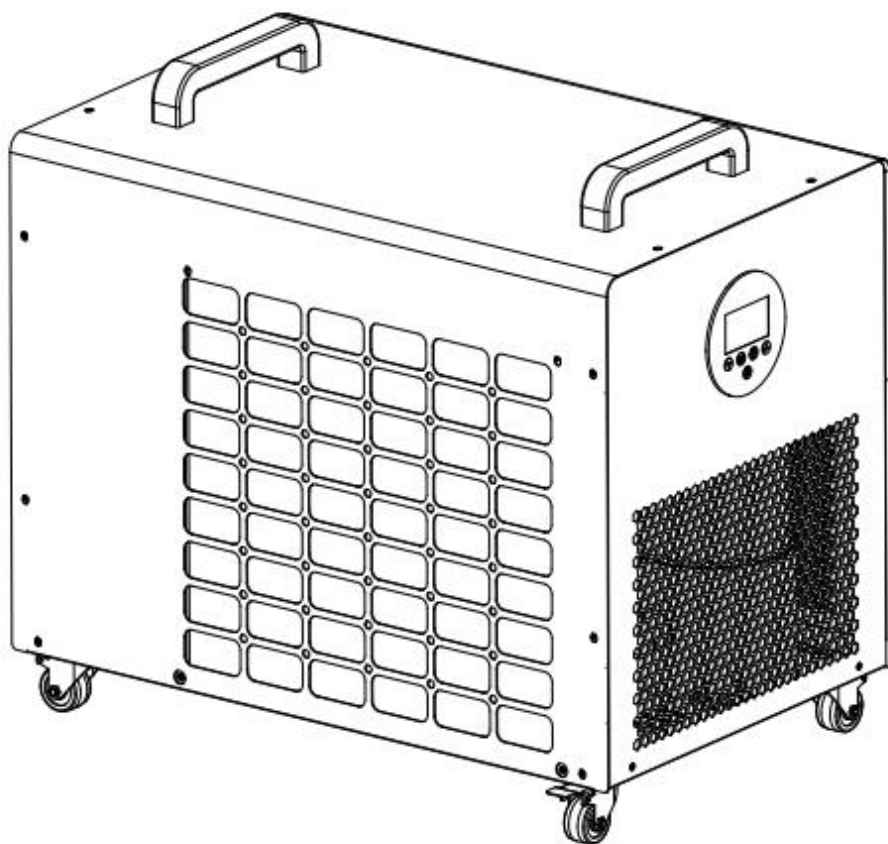


ICE BATH Instructions Manual

LSP-30R/S3N2-HY1



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RECYCLING AND DISPOSAL

Processing by individuals of electronic appliances reaching the end of their lifespan:

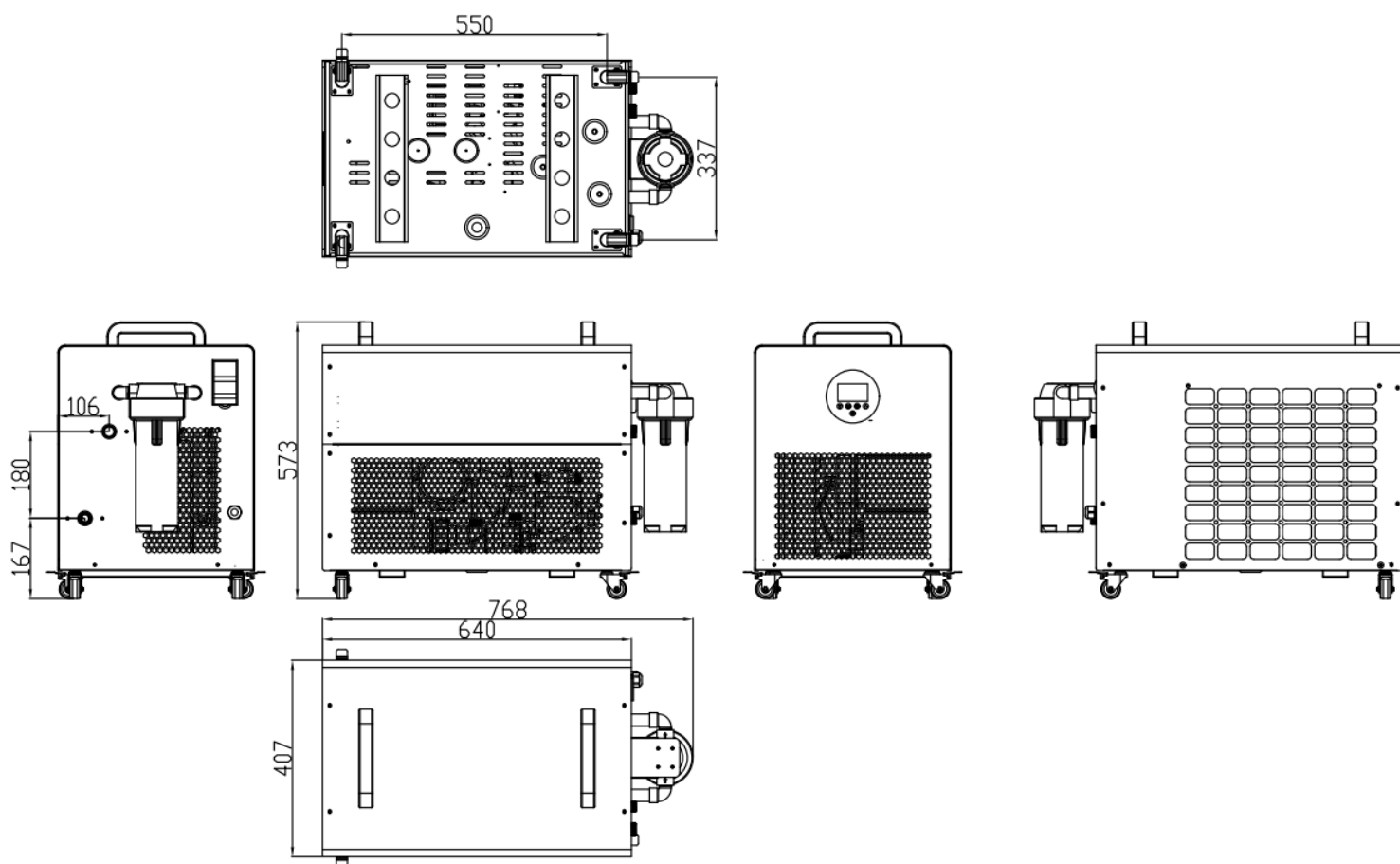


The symbol depicting a barred wastebin that features on the main parts constituting the product indicates that it must not be discarded alongside household waste. It must be brought to an adequate collection point where electronic appliances are recycled (information available from your local waste treatment service).
This product contains potentially hazardous substances.

DELIVERY AND TRANSPORT

- When you have unpacked the ICE BATH, please check the content to report any damage.
- The ICE BATH should always be stored and transported in a vertical position, on a pallet and inside its original packaging.
- Transporting and/or storing the ICE BATH horizontally will void the guarantee.

DIMENSIONS





This symbol indicates that the operating manual should be read attentively prior to use.

It is therefore quite normal not to feel a temperature difference at the outlet of the circuit when the ICE BATH is operating. A cooled pool should be covered to prevent heat losses.

- Failure to comply with the warnings could cause damage to the equipment as well as severe injuries or death.
- Only a qualified person possessing the adequate technical skills (electricity, hydraulic, refrigeration) is authorised to undertake maintenance operations or repairs on the device. A qualified technician working on the device must use/wear personal protective equipment (safety goggles, protection gloves, etc...) to avoid all risk of injury arising during work on the device.
- Prior to any intervention on the device, ensure that it is powered down and has undergone the lockout/tagout procedure.
- The device is designed specifically for use in swimming pools and spas; it must not be used for purposes other than the ones it was designed for.
- This device is not intended for children.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. (This device is not intended to be used by persons (including children, of 8 or more) who lack experience or who suffer from physical, sensory, or mental impairment.)
- If it is operated under supervision or with operating instructions issued by a person responsible for their safety and if they understand the risks taken.
- Children must be supervised to ensure that they do not play with the device.
- The installation of the device must be carried out according to local code, NEC and CEC national code. The installer is responsible for the installation of the device and for compliance with national regulations relating to installation procedures. The manufacturer will not be liable in case of non-compliance with the installation standards that apply locally.
- For any action other than simple maintenance operations by the user as described in this manual, the product should be maintained by a certified professional.
- Any improper installation and/or use can cause damages and severe injuries (and even death).
- Do not touch the fan or the moving parts, and do not insert objects or your fingers close to the moving parts when the device is operating.
- Moving parts can cause severe injuries and even death.
- Do not pull on the hoses and the connections to move the machine.

WARNINGS CONCERNING ELECTRICAL APPLIANCES:

- If a fixed device does not feature a power cord and a plug, or any other means to disconnect from the power supply with a separation of the contacts in all the poles, enabling total disconnection in case of a category III electrical surge, the manual will mention that the disconnection means must be integrated in the fixed wiring, as per relevant wiring rules.
- An adapted disconnection method, complying with all local and national requirements relating to category III electrical surges, and that disconnects all the poles of the supply circuit, must be installed in the supply circuit of the device. This disconnection method is not provided with the device and should be provided by the installation technician.
- Prior to installation, check that:
 - The voltage featuring on the information plate of the device matches the voltage of the power supply
 - Do not use an extension to connect the device;
 - The power supply is suitable for operating the device and has an earthing connection.
- Power cable and leakage circuit breaker are optional. Generally, they are not installed on the entire product. By default, it is installed by the electrician specified by the user. When installing the power cable, ensure that the plug of the power cable is plugged into a waterproof socket.

WARNINGS RELATING TO DEVICES CONTAINING A COOLANT:

- Do not release R410A fluid into the atmosphere. This fluid is a greenhouse effect fluorinated gas, covered by the Kyoto Protocol, with a global warming potential (GWP) = 2000 for R410A.
- The device must be stored in a well-ventilated place and kept away from flames.
- Install the unit outdoors. Do not install the unit indoors or in an outdoor area that is closed and poorly ventilated.
- To comply with the relevant standards and regulations in terms of the environment and installation procedures, a search for leaks of the cooling circuit must be conducted at least once a year. This operation should be carried out by a certified specialist of cooling devices.
- Please keep and transmit these documents for reference throughout the lifespan of the device.

INSTALLATION (SITE, TYPE OF SUPPORT, NECESSARY SPACE)

- **WARNING: The installation of the device must be installed according to local code, NEC and CEC national code.**
- Maintain 1 m (30 cm minimum) of open space in front of the vertical air intake grids (behind and on the side of the ICE BATH) and 3 m (1.5m minimum) at the outlet of the fan (in front) of open space without any obstacles.
- Prepare sufficient space around the ICE BATH for maintenance operations.
- Prepare a water evacuation system close to the ICE BATH to protect the installation zone.
- Keep the ICE BATH out of the reach of children, insofar as possible.

The ICE BATH should never be installed:

- in an area covered by sprinkling systems, or subject to spray or running water or mud (close to a road, take into account the effects of wind),
- under a tree,
- close to a source of heat or of flammable gas,
- in an area where it would be exposed to oil, flammable gases, corrosive products, and compounds containing sulphur,
- close to equipment operating at high frequencies,
- in a place where snow is likely to accumulate,
- in a place where it could be flooded by the condensates produced by the device as it operates,
- on a surface that could transfer the vibrations to the house.

Advice: dampen the possible noise nuisance caused by your ICE BATH.

- Do not install it close to or underneath a window.
- Do not direct the outlet of the fan towards your neighbours' property.
- Do not direct the fan outlet (Heat air) towards the bath bucket.
- Install it in an open area (sound waves bounce off surfaces).
- Install a sound barrier around the ICE BATH, making sure to maintain the required distances.
- Install 50 cm of PVC piping at the water inlet and outlet of the ICE BATH.



*Maximum cable length between heat pump and head of line protection (C curve current protection) It is recommended to use wire terminal for better electrical contact between wire and power supply terminal.

These data are only indicative, you must ask an electrician to determine the exact data for your pool installation.

Power supply must be equipped with grounding and 30 mA differential protection.

Power cable and leakage circuit breaker are optional. Generally, they are not installed on the entire product. By default, it is installed by the electrician specified by the user. When installing the power cable, ensure that the plug of the power cable is plugged into a waterproof socket.

- Use the cable-gland and the pass-through provided inside the ICE BATH for the passage of the cable.
- As this heat pump is installed outdoors, it is mandatory to pass the cable through a protective sheath for this purpose. The power supply of the ICE BATH must be fitted with a protection device in accordance with the legislation in force.
- The electric cables must be buried at a depth of 50 cm (85 cm under a road or a path) in an electrical sheath (red corrugated). When a cable buried in a sheath crosses another cable or a pipe (gas, water, etc.) the distance between them must be greater than 20 cm.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

NOTE: 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.


FCC Radiation Exposure Statement


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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

LED Display






1. Cooling mode: 



2. Fan on: 


3. Compressor on: 








4. When the WiFi connection is successful: 

5.  "ON/OFF": Turn on/turn off. Long press  Lock Screen.

6.  "MODE": Press this button once to display the current set temperature.

7.  and : When turning on the main interface, adjust the set temperature.

8. : clock and timing setting.

Press this key to enter the clock setting, The clock flashes to indicate entering the clock setting. If you need to set the clock, press the "  " key to enter the hour setting of the clock setting. Use the "  "  " key to change the hour setting of the clock. After the setting is completed, press the "  " key again to enter the minute setting of the clock setting. Use the "  " "  " key to change the minute setting of the clock. After the setting is completed, click "  " to complete the setting and return to the main interface.

9. Under the main interface, Long press the "  " and "  " key for 3S to convert degrees Celsius and Fahrenheit.

ERROR CODES

Protection/fault	Fault codes	Check (professional is required)
Protection against excessive temperature difference between inlet and outlet water (3 consecutive times within 30 minutes)	E2	<ul style="list-style-type: none"> • Check if the filter is clogged • Check if the inlet pipe connection is tight
Protection against high exhaust temperature	E3	<ul style="list-style-type: none"> • Check if the electronic expansion valve is in operation • Check for leaks in the refrigerant system
System pressure too high	E4	<ul style="list-style-type: none"> • Check if the fan is rotating
Protection against low ambient temperature	E6	<ul style="list-style-type: none"> • Check if the current weather temperature exceeds the usage range
Communication Failure	E8	<ul style="list-style-type: none"> • Check if there is a signal from the remote controller
Refrigeration coil sensor malfunction	P1	<ul style="list-style-type: none"> • Check if the connection between the coil probe and the circuit board is loose
Compressor out sensor malfunction	P2	
Water inlet sensor malfunction	P3	
Water outlet sensor malfunction	P4	
Compressor in sensor malfunction	P5	
The difference in inlet and outlet water temperature is too large	P6	<ul style="list-style-type: none"> • Check if the filter is clogged • Check if the inlet pipe connection is tight
Ambient temperature sensor malfunction	P7	<ul style="list-style-type: none"> • Check if the connection between the coil probe and the circuit board is loose
System pressure too low	P9	<ul style="list-style-type: none"> • Check for refrigerant leakage
Winter first level antifreeze protection	PC	Check if the water temperature is less than 4 ° C and if the ambient temperature is less than 2 ° C
Water flow fault	PL	<ul style="list-style-type: none"> • Check if the exhaust pump is working • Check if there is air intake in the waterway system

NO.	Frequently asked questions	Processing method
1	The display screen does not light up	<ul style="list-style-type: none"> • Check if the power cord is securely plugged in • Check if the leakage switch is set to the power-off position
2	Press the key button and the machine will not start	<ul style="list-style-type: none"> • Check if the current water temperature has reached the set temperature
3	Low water flow rate	<ul style="list-style-type: none"> • Check if the filter is clogged
4	The universal wheel does not roll	<ul style="list-style-type: none"> • Check if the universal wheel is in the braking state
5	leaking	<ul style="list-style-type: none"> • Check if the water connector is tightened • Check for missing sealing rings

Before any maintenance operation, the heat pump must be completely stopped for few minutes before connecting pressure controllers. This is because high pressure and temperature inside the heat pump could be harmful.

Please check the following on a monthly basis:

- Check and clean the evaporator (with a soft brush or water jet).
- Do not use high pressure cleaner.
- Check all electrical and ground connections.
- Check that all electrical connections and terminals are securely connected.


Please check the following points yearly:

- Check settings.
- Check securities.
- Check all electrical connections and ground.
- Check condenser cleanliness.
- Use soft soap and water to clean the heat pump casing, do not use solvents.
- It is recommended to replace the filter element every other month (users can adjust the cycle of replacing the filter element according to the actual water quality)

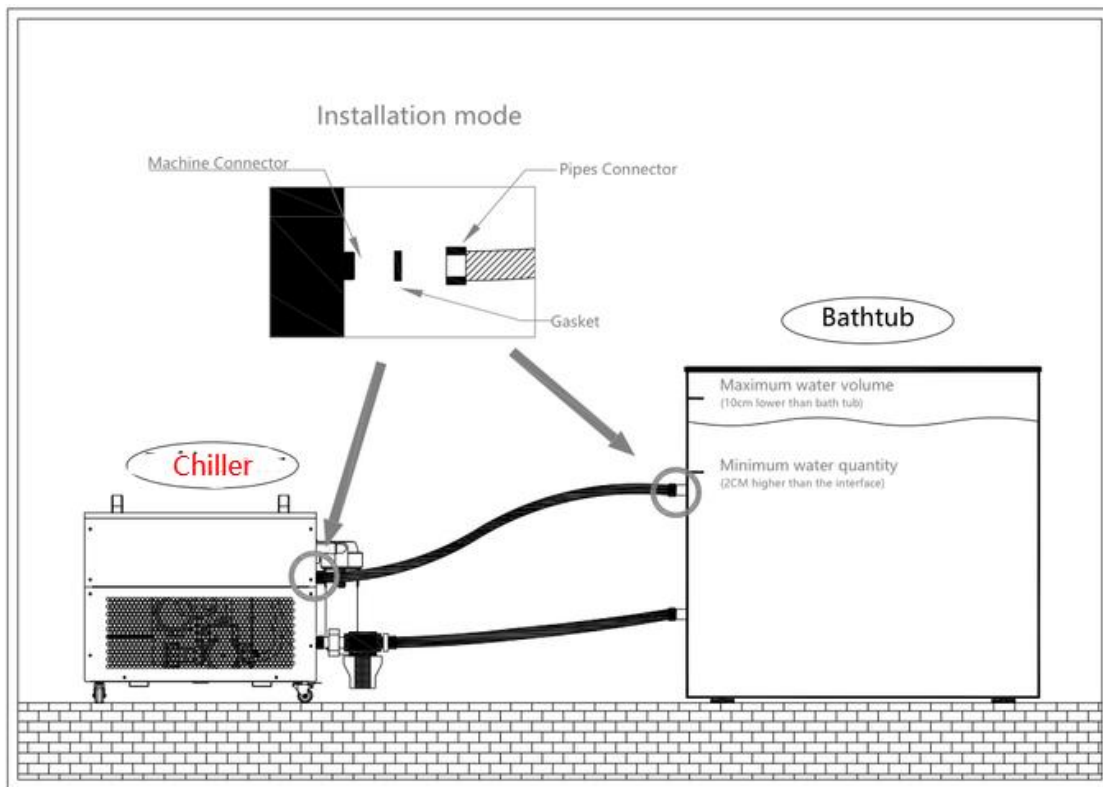
ACCESSORY INFORMATION

NO.	NAME.	QUANTITY.
1	Prefilter Fitting	1 Pcs
2	Converter	1 Pcs
3	Water Pipes	2 Pcs
4	Gasket	8 Pcs
5	Filter	2 Pcs
6	Filter Spanner	1 Pcs

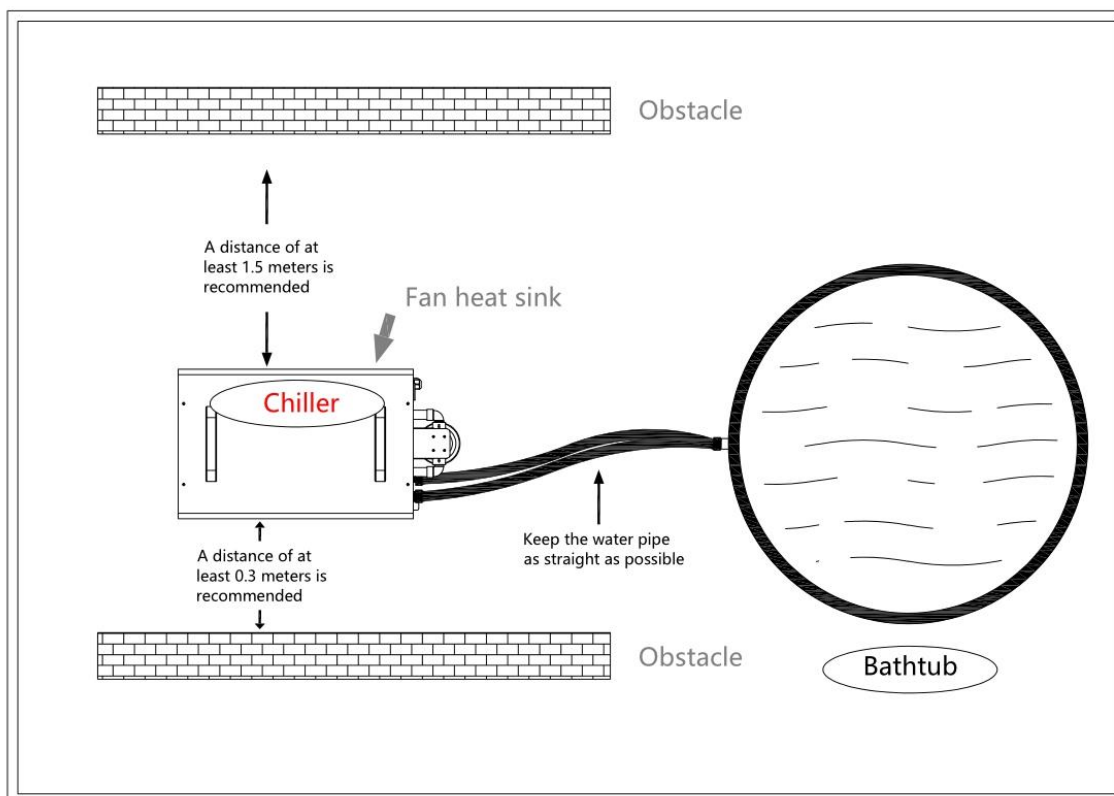
PRODUCT NAMEPLATE

ICE BATH COOLING UNIT	
Unit model	LSP-30R/S3N2-HY1
Cooling capacity	2.75 kW (A32°C/W25°C)
Running current (max.)	8.5 A (12.0 A)
Power supply	1 ~ / 120 V / 60 Hz
Ingress protection	IPX4
Minimum circuit ampacity	13 A
Maximum fuse/ circuit breaker	15 A
Compressor rated load amperes	6.0 A
Compressor locked rotor amperes	38.9 A
Fan motor rated load amperes	0.8 A
Max. inlet water temperature	40°C
Electrical shock	I
Noise level	52 dB (@ 1m)
Water connections	3/4"
Water flow necessary	1.3 m³/h
Water flow range	10-25L/min
Refrigerant	R410a (0.45 kg)
Net/gross weight	50 kg (54kg)
Max. allowable pressure (High side)	4.4 Mpa (638 PSIG)
Max. allowable pressure (Low side)	2.2 Mpa (319 PSIG)
Guangdong Hongyuan Home Furnishing Co., Ltd.	
 FOR OUTDOOR USE LES UTILISATION À L'EXTÉRIEUR	




CONNECTION SCHEMATIC DIAGRAM



INSTALLATION POSITION DIAGRAM



WIFI:

Press and hold the "  " and "  " keys for 3 seconds at the same time to enter the WIFI fast connect mode configuration. The buzzer will sound once and  flash quickly.

Download the App

Search "Smart Life" in Apple App Store or Google App Store.

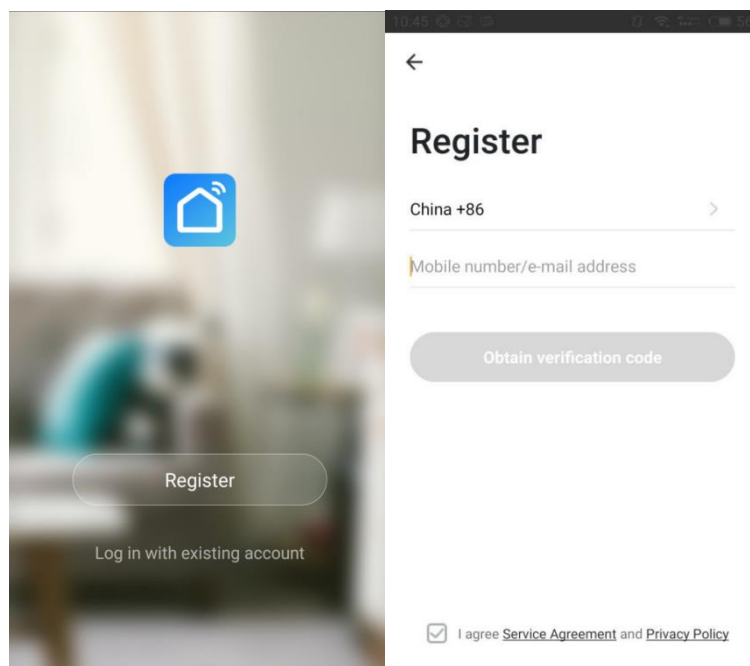
Scan the QR code below, download and install "Smart Life" APP.



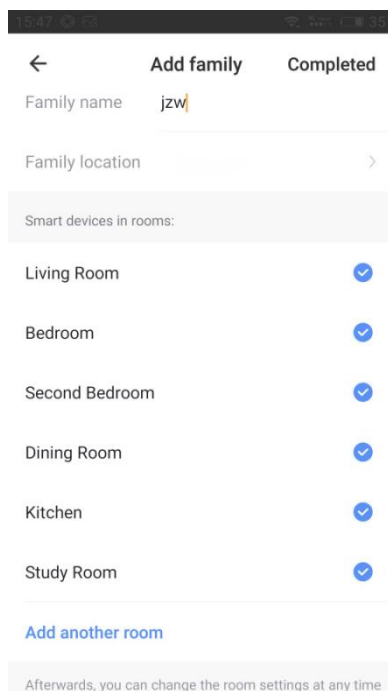
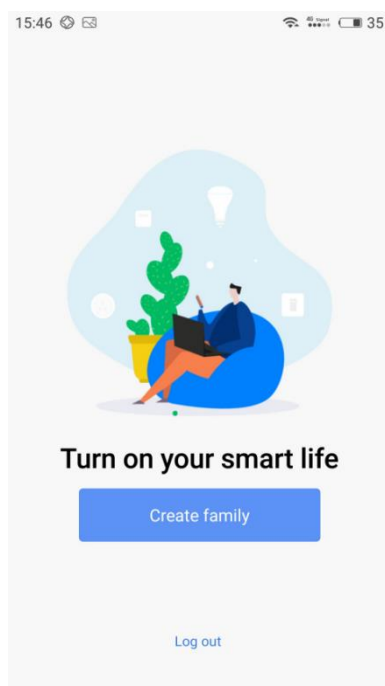
User registration

Click the icon "  " to start the software.

To use the "Smart Life" software for the first time, you need to register users: create a new account → enter a mobile phone number/email → enter a verification code, set a password → confirm

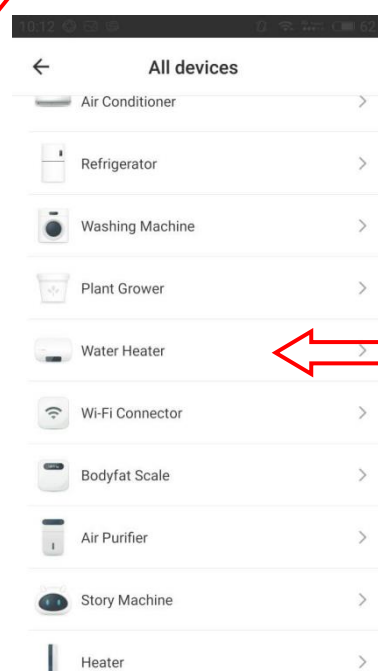
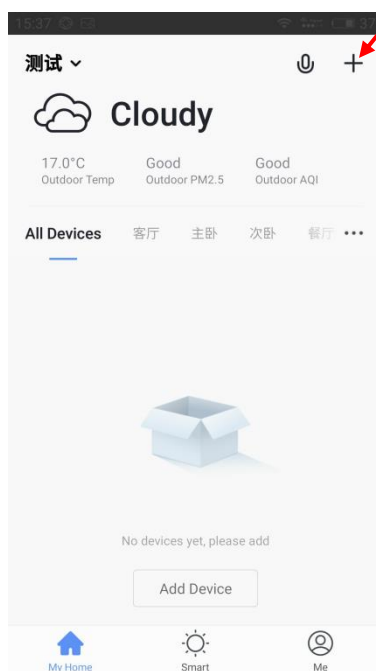
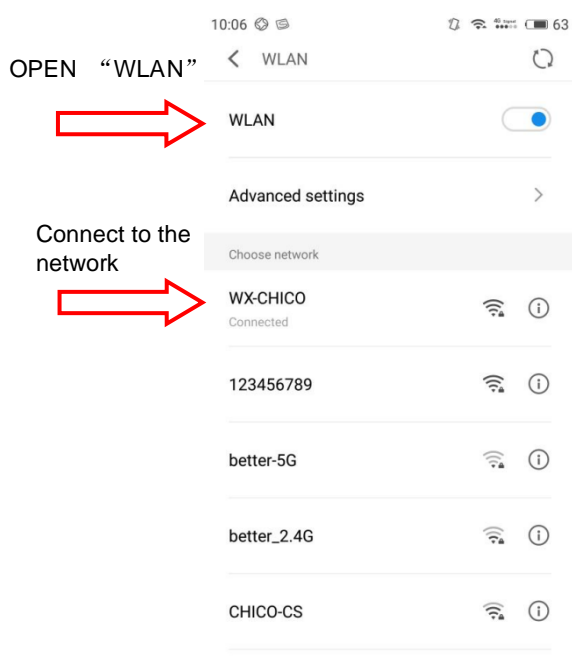


After successful registration, the software will jump to the "Create Family" interface: Create Family → Set Family Name → Set Location → Add Room → Finish



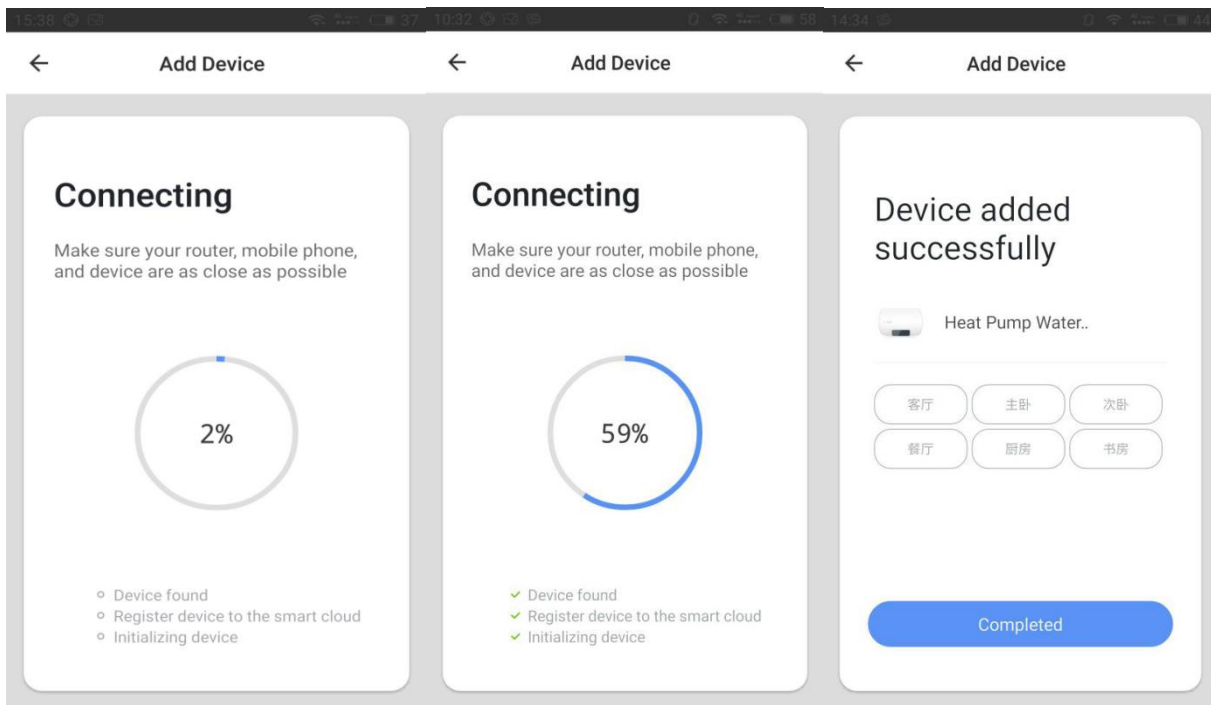
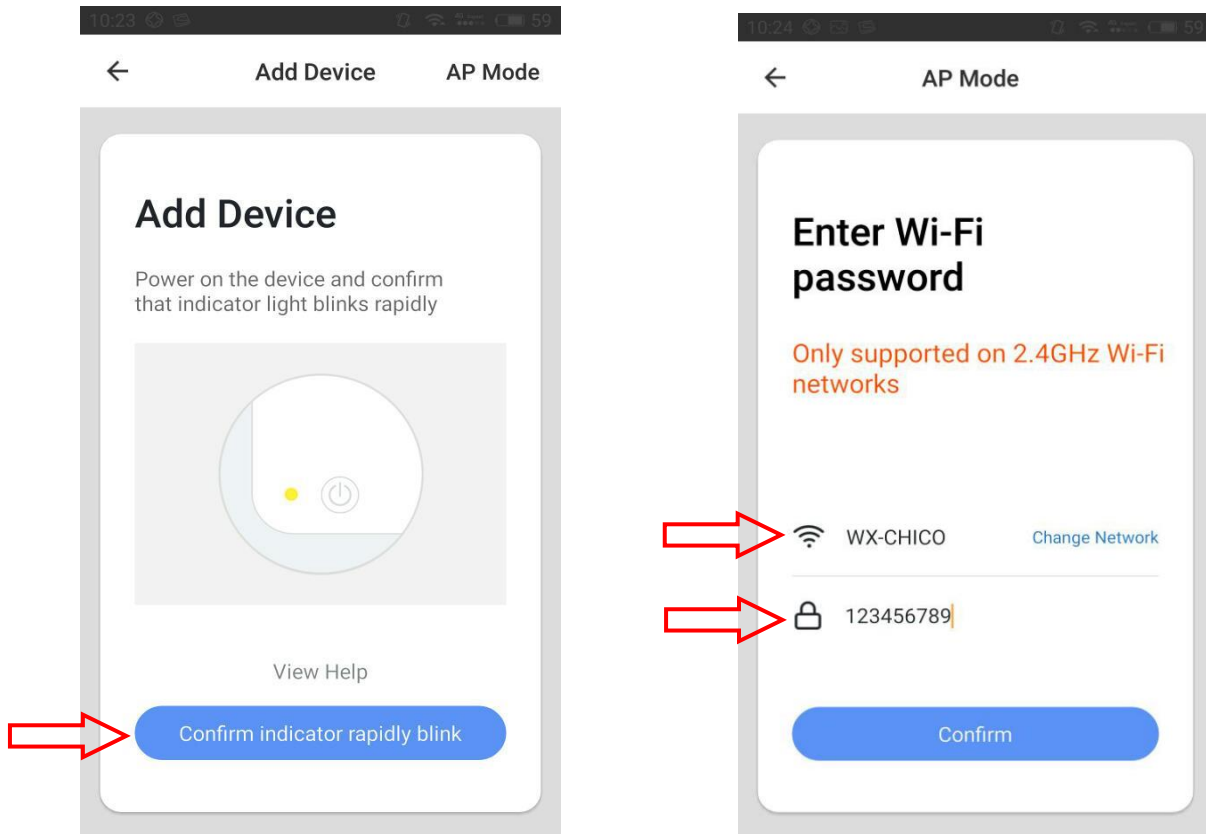
Equipment connection steps

1. SMART mode



Equipment Name: Pool Heat Pump

long press the WIFI reset button for 3 seconds, and then click "confirm that the indicator is flashing".



Operation

The device is bound successfully. Click "completed" to enter the operation page directly

