



SPA

Installation and user's manual

Read carefully and keep it for later reference

SPA Installation and User's Manual

Read Carefully and keep it for later reference

Carefully read, understand, and follow all information in this user manual before installing and using the spa.

These warnings, instructions, and safety guidelines address some common risks of water recreation, but they cannot cover all risks and dangers in all cases. Always use caution, common sense, and good judgment when enjoying any water activity. Please read carefully and keep for future reference.

For your own safety and that of your product, make sure to following the safety precautions below. Fail to follow the instruction may result in serious injury, property damage or death. Improper installation or operation will void the warranty.

When using this electrical equipment, basic safety precautions should always be followed, including the following:

(a) A green coloured terminal or a terminal marked G, GR, Ground, Grounding, or the symbol is located inside the supply terminal box or compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment.

*IEC Publication 417, symbol 5019.

(b) At least two lugs marked «BINDING LUGS» are provided on the external surface or on the inside of the supply terminal box or compartment. To reduce the risk of electric shock, connect the local common bonding grid in the area of the hot tub or spa to these terminals with an insulated or bare copper conductor not smaller than No.6 AWG.

(c) All field - installed metal components such as rails, ladders, drains or other similar hardware within 3 m of the SPA or hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No.6 AWG.

1. **WARNING** - To reduce the risk of injury, do not permit children use this product unless they are closely supervised all times.

2. A wire connector is provided on this unit to connect a minimum 8 AWG (8.4 mm2) .6 AWG (13.3mm2) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the unit.

3. **DANGER** - Risk of injury. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Do not bury the electrical cord. Locate the cord where it will not be damaged by lawn mowers, hedge trimmers and other equipment. Connect to a grounded, grounding type receptacle only.

4. **WARNING**— This product is provided with a ground-fault circuit-interrupter (on the wire near the plug). The GFCI must be tested before each use. With the product operating, open the service door. When the product stops operating, this merely indicates that the door is equipped with an electrical interlock. Next, push the test button on the GFCI and close the service door. The product should not operate. Now open the service door, push the reset button on the GFCI and close the service door. The product should now operate normally. When the product fails to operate in this manner, there is a ground current flowing indicating the possibility of an electric shock. Disconnect the power until the fault has been identified and corrected.

5. **DANGER** - Risk of accidental drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this spa unless they are supervised at all times.

- Inspect the spa cover regularly for leak, premature wear and tear, damage or signs of deterioration. Never use a worn or damaged cover: it will not provide the level of protection required to prevent unsupervised access to the spa by a child. Always lock the spa cover after each use.

6. **DANGER** - Risk of Injury. The suction fittings in this spa are sized to match the specific water flow created by the pump. Should the need arise to replace the suction fittings or the pump, be sure that the flow rates are compatible.

Never operate spa if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.

7. **DANGER** — Risk of Electric Shock. Install at least 5 feet (1.5 m) from all metal surfaces. As an alternative, a spa may be installed within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum 8 AWG (8.4 mm2) .6 AWG (13.3mm2) solid copper conductor to the wire connector on the terminal box that is provided for this purpose.

8. **DANGER** - Risk of Electric Shock. Do not permit any electrical appliances, such as a light, telephone, radio or television within 1.5m (5 feet) of a spa tub. Do not use the spa when it is raining, thundering or lightning.

9. **WARNING** - To reduce the risk of injury. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes. The water in a spa should never exceed 40°C (104°F). Water temperatures between 38°C(100°F) and 40°C(104°F) are considered safe for a healthy adult.

WARNING

- Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 38°C(100°F).
- Before entering a spa or hot tub the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature regulating devices varies.
- The use of alcohol, drugs or medication before or during spa use may lead to unconsciousness with the possibility of drowning.
- Obese persons or persons with a history of heart disease, low or high blood pressure, circulatory system problem, or diabetes should consult a physician before using a spa.
- Persons using medication should consult a physician before using a spa since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.
- Check with doctor before use if pregnant, diabetic, in poor health, or under medical care.

10. WARNING - To reduce the risk of electric shock, do not use an extension cord, timers, plug adapters or converter plugs to connect the unit to electric supply; provide a properly located outlet. Portable whirlspa baths and swimming spas with incorporated heating elements must be connected to a grounded mains supply socket with a supply cord fitted with a plug and GFCI with a tripping current of 10mA.

The spa electrical appliance should be supplied through a ground-fault circuit-interrupter (GFCI) having a rated residual operating current not exceeding 30mA.

Parts containing live parts, except parts supplied with safety extra-low voltage not exceeding 12V, must be inaccessible to occupants in the spa.

Parts incorporating electrical components, except remote control devices, must be located or fixed so that they cannot fall into the spa.

Residential electrical connection box must be located safely with a distance of at least 2m away from the spa.

Electric installation should fulfill the local requirement or standards.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

To reduce the risk of child drowning, supervise children all times. Attach and lock spa cover after each use.

Make sure the floor is capable of supporting the expected load ($\geq 500\text{kg/m}^2$).

Adequate draining system must be provided around the spa to deal with overflow water.

People with infectious disease should not use a spa or hot tub.

To avoid injury exercise care when entering or existing the spa or hot tub.

Water temperature in excess of 40°C(104°F) may be injurious to your health.

Never use a spa or hot tub alone or allow others to use the spa alone.

IMPORTANT SAFETY INSTRUCTIONS

Do not use a spa or hot tub immediately following strenuous exercise.

Do not put the spa under 4°C(39°F) environment in order to avoid freezing if there is still water in the spa.

Do not turn on the spa when the water is frozen.

Never pour water with a temperature higher than 40°C(104°F) into the spa directly.

Always unplug this product from the electrical outlet before removing, cleaning, servicing or making any adjustment to the product.

Never jump or dive into a spa or any shallow body of water.

Do not attempt to plug in or unplug this product while standing in water or when your hands are wet.

Do not use the spa if damaged in delivery and/or malfunctioning in any way. Keep all pets away from the spa to avoid any damage.

Do not add bath oil or bath salt to the spa water.

In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

WARNING: CHILDREN SHOULD NOT USE SPAS OR HOT TUBS WITHOUT ADULT SUPERVISION

WARNING: DO NOT USE SPAS OR HOT TUBS UNLESS ALL SUCTION GUARDS ARE INSTALLED TO PREVENT BODY AND HAIR ENTRAPMENT

WARNING: PEOPLE USING MEDICATIONS AND/OR HAVING AN ADVERSE MEDICAL HISTORY SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR HOT TUB

WARNING: PEOPLE WITH INFECTIOUS DISEASES SHOULD NOT USE A SPA OR HOT TUB

WARNING: TO AVOID INJURY EXERCISE CARE WHEN ENTERING OR EXITING THE SPA OR HOT TUB

WARNING: DO NOT USE DRUGS OR ALCOHOL BEFORE OR DURING THE USE OF A SPA OR HOT TUB TO AVOID UNCONSCIOUSNESS AND POSSIBLE DROWNING

WARNING: PREGNANT OR POSSIBLY PREGNANT WOMEN SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR HOT TUB

WARNING: WATER TEMPERATURE IN EXCESS OF 38°C MAY BE INJURIOUS TO YOUR HEALTH

WARNING: BEFORE ENTERING THE SPA OR HOT TUB MEASURE THE WATER TEMPERATURE WITH AN ACCURATE THERMOMETER

WARNING: DO NOT USE A SPA OR HOT TUB IMMEDIATELY FOLLOWING STRENUOUS EXERCISE

WARNING: PROLONGED IMMERSION IN A SPA OR HOT TUB MAY BE INJURIOUS TO YOUR HEALTH

WARNING: DO NOT PERMIT ELECTRIC APPLIANCES (SUCH AS A LIGHT, TELEPHONE, RADIO, OR TELEVISION) WITHIN 1.5 M OF THIS SPA OR HOT TUB

CAUTION: MAINTAIN WATER CHEMISTRY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION

SAVE THESE INSTRUCTIONS

FCC CAUTION:

1. SPECIFICATIONS

1.1. Specifications

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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

The equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

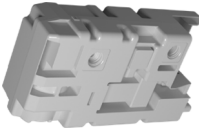
	3 persons	4 persons	6 persons
Model	XXX14015USVbbW	XXX14016USVbbW	XXX14014USVbbW
Capacity	3 persons	4 persons	6 persons
Dimension (outer)	148 x 148 x 65 cm (58.3"x58.3" x 25.6")	Ø 165 x 65 cm (65" x 25.6")	Ø 204 x 65 cm (80.3" x 25.6")
Dimensions (inner)	115 x 115 x 65cm (45.3" x45.3"x25.6")	Ø 135 x 65 cm (53.1" x 25.6")	Ø 170 x 65 cm (66.9" x 25.6")
Water capacity	580 L (153 gal)	650 L (172 gal)	1000 L (264 gal)
Power supply	110-120 V,60Hz, 1380W	110-120 V,60Hz, 1380W	110-120 V,60Hz, 1380W
Max heat temperature	40°C	40°C	40°C
Test certificate	METus	METus	METus
Heating efficiency Ambient temperature : 20°C	1.5 - 2.5°C/h	1.5 - 2.5°C/h	1.5 - 2°C/h



This appliance is marked according to the European directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). This symbol indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. Disposal of the appliance shall be carried out in accordance with the local environment regulations for waste disposal.

2.1. Package list

Ensure to check all parts are present:

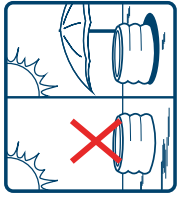
			
liner	Pump unit	Top cover (Optional)	ground cloth (Optional)
			
GFCI	Ari valve	Inflating hose	Wrench
			
Repair kit	Filter cartridge	Filtration cartridge support	Reset pin

Hyperthermia occurs when the internal temperature of body reaches a level several degrees above the normal body temperature 37°C(98.6°F). The symptoms of hyperthermia include an increase in the internal temperature of body, dizziness, lethargy, drowsiness, and fainting. The effect of hyperemia include failure to perceive heat; failure to recognize the need to exit spa; unawareness of impending hazard; fetal damage in pregnant women; physical inability to exit the spa; and unconsciousness resulting in the danger of drowning. WARNING- The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia.

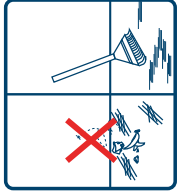
3.1. Site selection

WARNING : Before proceed to installation your spa, please make sure that the selected location meets the following conditions :

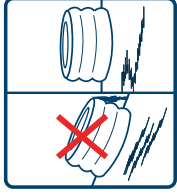
- A level place in order to avoid any defect, hernia or leakage.
- Wide enough to support the spa and its pump unit.
- Able to support more than 500 kg/m².
- Sheltered from the sun and bad weather.
- Clean and free from sharp objects.
- Devoid of aggressive vegetation on the ground.
- Failure to comply with these rules may result in property damage or personal injury.



Use a sun cover



Place in a clean environment



Ensure its level

WARNING: The GFCI plug must be tested before each use.

Do not use if GFCI test fails and see chapter 6.1.

1. Insert the plug into the power outlet.
 2. Press the <<RESET>>button, the indicator light turns red.
 3. Press the <<TEST>>button, the indicator light turns off.
 4. Press the <<RESET>>button, the indicator light turns red.
- The GFCI works properly.

ASSEMBLY: THE PROVIDED WARNING LABEL

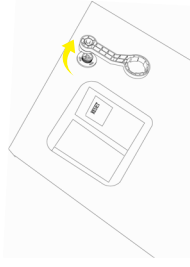
⚠ WARNING:
REDUCE THE RISK OF ELECTROCUTION 1. NEVER PLACE AN ELECTRIC APPLIANCE WITHIN 5 FEET OF SPA.
REDUCE THE RISK OF CHILD DROWNING 1. SUPERVISE CHILDREN AT ALL TIMES. 2. ATTACH SPA COVER AFTER EACH USE
REDUCE THE RISK OF OVERHEATING 1. CHECK WITH A DOCTOR BEFORE USE IF PREGNANT, DIABETIC, IN POOR HEALTH, OR UNDER MEDICAL CARE. 2. EXIT IMMEDIATELY IF UNCOMFORTABLE, DIZZY OR SLEEP. SPA HEAT CAN CAUSE HYPERTHERMIA AND UNCONSCIOUSNESS. 3. SPA HEAT IN CONJUNCTION WITH ALCOHOL, DRUGS, OR MEDICATION CAN CAUSE UNCONSCIOUSNESS.
WHEN PREGNANT SOAKING IN HOT WATER FOR LONG PERIODS CAN HARM YOUR FETUS. MEASURE WATER TEMPERATURE BEFORE ENTERING. 1. DO NOT ENTER SPA IF WATER IS HOTTER THAN 100°F(38°C) 2. DO NOT STAY IN SPA FOR LONGER THAN 10 MINUTES.

4. USAGE

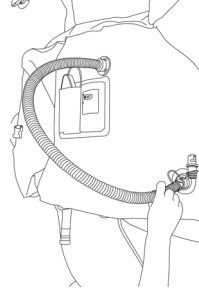
3.3. Assembling



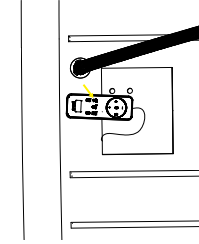
- 1) Select a flat place to lay out the spa. If your product contains floor cloth, lay out the spa on the floor cloth.



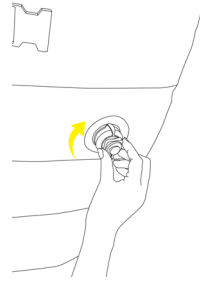
- 2) Tighten the inflation valve with a wrench.



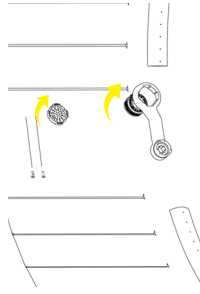
- 4) Connect the other end of the inflation tube to the inflation port of the spa.



- 5) Then press the wave-making button to inflate the spa. The air flow valve can prevent your spa from over-inflating.



- 7) Remove the inflation tube and tighten the two air valves at the inflation port.



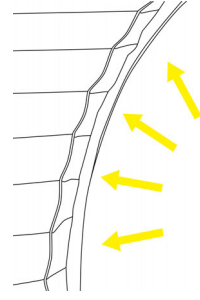
- 8) Tighten the inlet and outlet valves with a wrench.



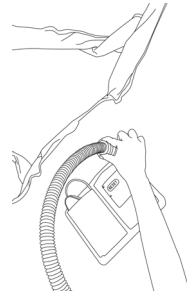
- 10) Ensure that the drain caps are properly closed before filling the spa.



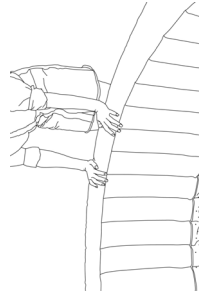
- 11) Fill the spa with water to the recommended water level.



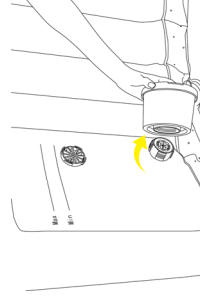
- 12) Smooth wrinkles out of the bottom indicated. Your spa is ready.



- 3) Connect one end of the inflation tube to the inflation port of the pump and tighten the knob.

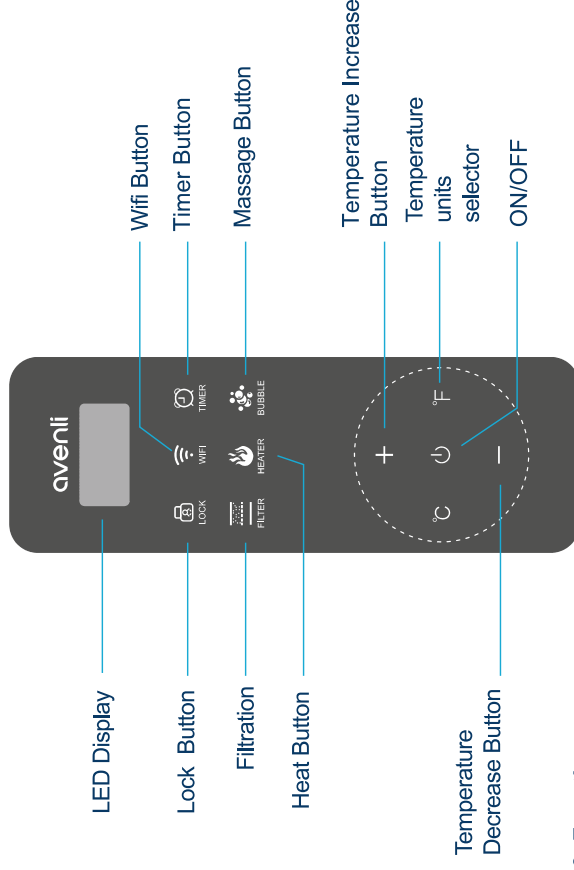


- 6) Inflate the inflatable spa for about 3-4 minutes. Ensure that the spa is firmly inflated.



- 9) Put the filter cartridge in the support then screw it onto the lower suction inside the basin.

4.1. Control panel



4.2. Functions



Once powered-up, the LED displays the current water temperature automatically.



The temperature units selector changes the temperature units from Celsius degrees to Fahrenheit degrees.



Press the temperature adjustment buttons, then the screen will flash. When it is flashing, you can set the desired temperature. The value will increase or decrease 1 degree at once. The temperature could be set between 20°C to 40°C (68°F to 108°F).



Press and hold for fast temperature adjustment.

To lock or unlock the control panel, press the Lock button and hold 3 seconds.

Lock the control panel when you are away to prevent other people to change your settings..



Press the massage button to activate the bubble massage system, the indicator light turns on. It can be turned off by pressing it again.

Note :

- The massage system will stop automatically after 30 minutes of operation. Re-activate the massage function by pressing the massage button again.



The programming button allows you to start heating the spa within a predefined time interval. When the spa is in operation, press the programming button to indicate when the heating should come on.



Press the filter button to activate the water filtration. The indicator light will turn on when the filtration system is activated.



Press the heating button to activate water heating and filtering system at the same time. The indicator light of filter and indicator light of heating will turn on at same time.
The pump does not stop heating until the current water temperature reaches the set temperature; and the heating system will restart after the current water temperature drops 2°C below the set temperature automatically.
Maximum heating temperature: 42°C (108°F)

Important :

After 150 cumulative hours of filtration operations, an audible alarm will sound and the LCD display will show the characters CHG, followed by FIL, to remind you to change or clean the filter. You can hold the filtering button 5 seconds to turn off the buzzing. The filtering system will turn off, you can press the button to active the filtering system again.

Note :

- With the heating system staring, the filtration system will start working together.
- After turning off the heating system, the filtration system will still work.



Press the power on/off button and the controller will be turned on/off. When the controller is turned on, you can operate the pump by pressing the button on the panel, and pressing the power button again will turn it off.



The WiFi button is used to turn on WiFi. When the WiFi button flashes quickly, the SPA pump enters the pairing state. Press the WiFi button to switch the WiFi status.



When the SPA pump is powered on, the antifreeze function is automatically activated. With the antifreeze function activated, the temperature sensor will automatically activate the heating function and display "AFZ" on the screen when the temperature drops below 5°C (41°F). Heating stops once the temperature rises to 10°C (50°F).

4.3. Spa cover and security

After each use, the control panel must be locked and the spa must be coated with its top cover and it must be attached to the base protector with the safety buckles.

Each safety buckles has a lock system ; closed buckle, the latch in up position locks the buckle, the latch in down position unlocks the buckle.

The top cover keeps the heat from the water and secures the spa.



4.4. WIFI control

Your spa is equipped with a WiFi connection allowing it to be controlled directly from your smartphone.

To get started, install the control application for your spa using the following link:

iOS:

Scan or search for «Smart Life» on the App Store to download the app:



Android :

Scan or search for «Smart Life» on Google Play to download the app:



Warning, check the compatibility of your phone and the version of your OS before installing the application

5. MAINTENANCE

4.4. Pairing your spa

Open the SPA remote control software to register and log in using your mailbox.



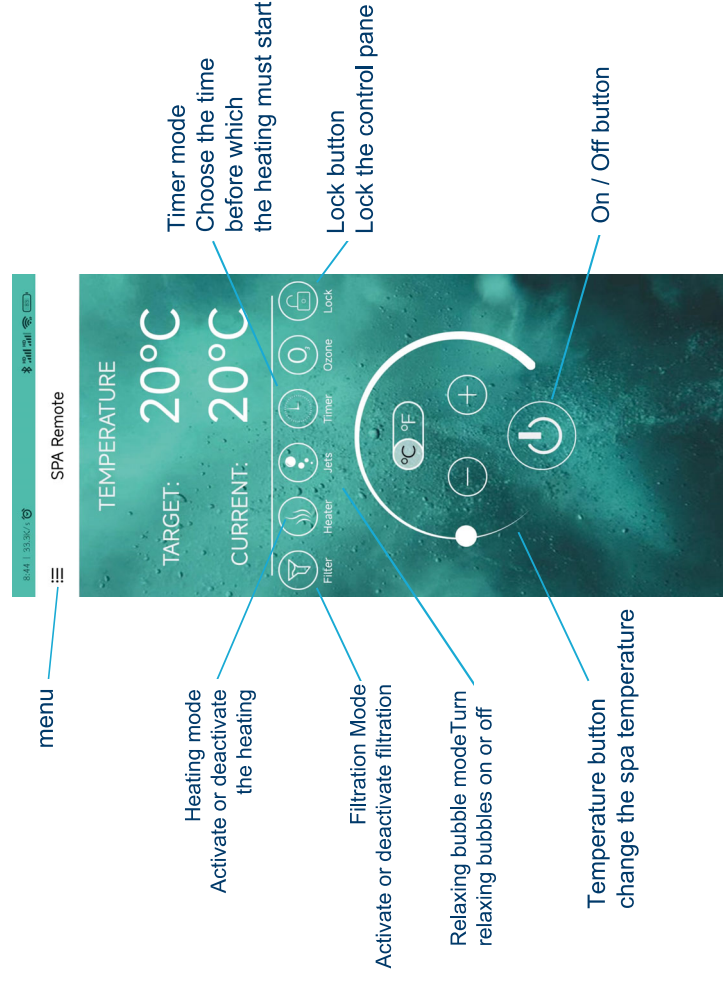
Connect the phone to WiFi and turn on Bluetooth, and press and hold the WiFi button until the indicator flashes quickly.

Turn on the SPA remote control software and select "SETUP A NEW SPA" in the menu bar, the phone will automatically match the SPA pump.

You can give your currently connected pump a name, then enter network information of your currently connected WiFi, click OK to realize the connection.

The connection is realized when the WiFi button indicator lights up for a long time.

4.5. Use



5.1. Water maintenance

WARNING : Bad spa water quality can harm your health.

CAUTION: Please use chemicals properly. Quality problems caused by overuse and improper use do not apply to our warranty.

Depending on the frequency and conditions of use:

- The filter cartridge should be regularly cleaned (150 hours max.).
- The filter cartridge should be replaced every 1 to 2 month.
- The spa water should be changed every 15 to 30 days.

Use a water test kit to control the parameters of the water before using the spa, or at least once a week.

Use disinfection products for the spa. The treatment products should be used with caution and it is imperative to refer to their instructions.

Damage resulting from improper use of treatment products is not covered by warranty (overdose, shock treatment, ...).

1. Water balance

The water balance (pH) must be maintain between 7 and 7.4. Irrespective of materials used for swimming pool construction, accessible surfaces have to be checked regularly to avoid injuries.



2. Water Sanitation

To sanitize the spa water, we suggest using an active oxygen-based treatment or bromine placed in a floating dispenser. (Dispenser sold separately).

5.2. Cleaning and replacing filter cartridge

Dirty filter cartridge may contaminate the spa water and cause damage to the heating function.

1. Unscrew the filter case by turning it counter-clockwise. Take out the filter cartridge from the case.
2. Rinse off the filter cartridge with a garden hose. If the filter cartridge remains dirty and discoloured, the filter cartridge should be replaced.
3. Put back the cleaned filter cartridge into his case and screw it to the spa.



5.2a Disinfection

Water Sanitation:

To sanitize the spa water, we suggest using an active oxygen-based treatment or bromine placed in a floating dispenser. (Dispenser sold separately)

If water is heavily polluted you should not use spa.

Clean spa with with specialist UV lighting equipment.

Seek professional advice and guidance before doing this.

Attention:

Detergent residues and dissolved solids from bathing suits and chemicals may build up on the spa walls, Use soap and water to clean the walls and rinse thoroughly with a garden hose using a direct powerful waterspray.

6. TROUBLE SHOOTING

6.1. Troubleshooting

Here are some useful tips to help you to diagnose and rectify common problems.

Reference

Inlet – The inlet is whereh the filter is attached.



Outlet – The water outlet is directly above of the filter and is where the hot water is recirculated back into the spa from the heater unit.

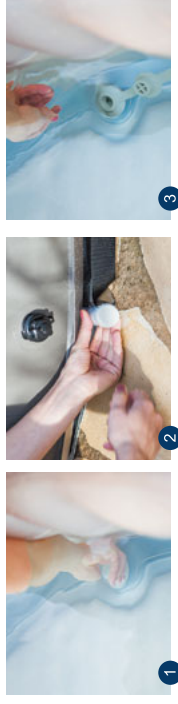
Problem	Cause	Solution
Control panel screen does not operate	Check power source	Power failure
		Reset the GFCI / Check if the wiring system is adapted to the power of the pump unit.
		Call for service if it does not reset
SPA pump does not heat properly	Temperature set is too low	Set to a higher temperature
	Filter Cartridge is dirty	Clean or Replace the cartridge (see chapter 5.2)
	Too low water level	Fill water to minimum water level
	Heating element defective	Call for service
Bubble massage system does not work	Pump is overheating	Cut off the power and wait until the pump has cooled.
	Auto shut-down feature (30min) is activated	Press the bubble button to reactivate
	Malfuction of the pump unit	Call for service if it does not reset
	Filter Cartridge is dirty	Clean or Replace the cartridge (see chapter 5.2)
Water filtration does not work	Inlet and outlet blocked	Clean the inlet and outlet
	Air inside the pump	Fill water to minimum water level
	Malfuction of the pump unit	Call for service if it does not reset
Pump leakage	Adaptor seal improperly	Replace the seal in the right position
	Water leakage from pump body	Check the pump body, call for service
Spa spa leakage	Spa spa is torn or punctured	Use provided repair kit (see chapter 5.4)
Water is not clean	Insufficient filtering time	Increase the filtering time
	Filter Cartridge is dirty	Clean or Replace the cartridge (see chapter 5.2)
	Spa filled water quality	Change the spa water completely
	Improper water treatment	Refer to the chemical manufacturer's instructions
The spa's display is showing CHG FIL	You need to clean or change your filter	Clean or replace the filter cartridge as per the instructions above. You can reset the heater by holding the filter button for 5 seconds to reset the timer.

5.3. Drainage and storage

Drainage

1. Check the stopper on the bottom of the pool and the drain cap.
2. Unscrew the drain cap.
3. Remove the stopper on the bottom of the pool. Completely drain all water from thespa pool.

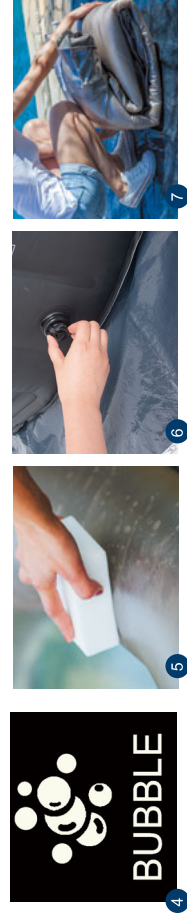
Once empty, the pool can be cleaned with soap and water.



Storage

4. Press the bubbling button to blow out the water inside the jet holes. Unplug the pump, remove the filter cartridge from the inner wall of the pool.
5. Use a towel to wipe off the pool, dry 24 hours.
6. Unscrew the valves to deflate the pool.
7. Fold the pool.

It is recommended that store the SPA in its original package in a warm dry place.



5.4. Repair kit

Little holes or puncture can be repaired with the repair kit included and glue reserved to spa liner.

1. Find the leak.
2. Thoroughly clean the area surrounding the leak.
3. Cut a piece of repair material in round shape, which should be larger than the damaged area.
4. Apply adhesive to the underneath side of the patch and around the area to be repaired.
5. Put the patch on the damaged area and press down firmly. Allow 12 hours for repair to dry. After patch has dried, apply glue around the edges for a complete seal (dry 4 hours). Ensure NO bubbles are left under the patch.

7.1. Error code

If the screen displays an error code "Ex", please refer to the table below.

Code	Situation	Problem	Causes	Solutions
E1	Not heating Not heating properly.	Wrong temperature control sensor.	Temperature control sensor short circuit or open circuit.	Contact service center.
E3	Not heating properly.	High water temperature indicator.	1.The filled water is over 47°C (117°F). 2.The filter cartridge was put on the wrong suction fitting (higher suction fitting).	1.Cut off the power, make sure the pool water is between 2°C~44°C(36°F~111°F).If this does not solve the problem, refer to the box below. 2.Cut of the power then remove the pump.After that clean the cale on the inlet/outlet. 3.Put the filter cartridge on the lower suction fitting.
E4	All functions do not work, buzzing warn.	Low water temperature indicator.	The pool water is lower than 2°C (36°F).	·Cut off the power, make sure the pool water is between 2°C~44°C (36°F~111°F) · If this does not solve the problem, refer to the box below
E6	Not heating and filtering properly. Buzzing warns.	Water pressure is not big enough to activate heating.	·Inlet or outlet on inner wall are blocked. ·Filter cartridge is too dirty. ·Pool water does not reach minimum water level. ·Do not release air from pump Pump is wrong"	·Clean inlet and outlet ·Clean or replace filter cartridge ·Add water to reach water level ·Do air release as outlined again · If this does not solve the problem, refer to the box below

If the error code is E3 , please follow the steps below:

1. Turn off the power and use the reset pin provided with the product to reset by inserting it into the small hole marked "reset" on the pump housing.
2. Check if the water level is between the high and low limits.
3. Clean or replace the filter cartridge.
4. Check and clean the two nozzles (inlet and outlet) inside the spa, and if necessary, remove any debris (such as hair, skin, etc.).
5. Check that there are no foreign objects obstructing the filter pump impeller.
6. After completing the above steps, wait for 30 minutes before reconnecting the power.

If the error code is E6, please follow the steps below:

1. Turn off the power.
 2. Follow steps 2 to 4 as mentioned above.
 3. After completing the above steps, wait for 5 minutes before reconnecting the power.
- If the error code persists on the control panel, please contact the service center for assistance.



Refer to the diagram and use the reset pin provided with the product to reset the temperature limiter inside the machine.

7.2. Warranty

Avenli products have been inspected and found free of defects prior to leaving the factory. Avenli warrants this product against defects in material and workmanship for a period of time, 1 year for the pump and 6 months for the liner, unless local law has special requirements. Avenli warrants this product begins on the date of purchase and Avenli requires presentation of the original proof of purchase to ascertain the date. During the warranty period, Avenli will either repair or replace, at its discretion, any defective products. Replacement products or repaired parts will be warranted for only the unexpired portion of the original warranty.

Shipping cost policy

The return of defect parts to the authorized service center is at the charge of the owner. On warranty period, the return is at the charge of service center.

Warranty policy

This limited warranty does not apply to any defect resulting from negligence, accident, misuse, or other reason beyond Avenli's reasonable control, included but not limited to: normal wear and tear, negligence or failure to follow the product instructions, improper or inadequate maintenance; connection to improper power supply; chemical water damage, loss of spa water, unauthorized product modification or repair; use for commercial purpose; fire, lightning, flood or other external causes.

This warranty is valid only in the country of purchase in such countries where Avenli sells and services the same model with identical technical specifications.

Warranty service outside the country of purchase is limited to the terms and conditions of the corresponding warranty in the country of service. Where the cost of repairs or replacement is not covered by this warranty, Avenli will advise the owners and the cost shall be charged to the owner.

This warranty only applies to the original purchaser and terminates upon any transfer of ownership.

All repairs of which warranty claims are made must be pre-authorized by a Avenli service center.

All the authorized selling dealer is responsible for all in-field service work carried out on your Avenli product. Avenli will not be liable for results of cost of workmanship from unauthorized service person.

Online After-sales Service Center

Check out the link of After-Sales Service Center below, and submit a service ticket for further help. It is essential to fill out the submission table with all information including customer name, valid email address, date of purchase, serial number and item number. Please describe occurred problem as detailed as possible, and attach evidence files (receipts and pictures if you have). One of our representatives will be in touch as soon as possible.
<http://service.jilong.com/support/tickets/new>

Local after-sales service center

SHANGHAI JILONG SPORT AND LEISURE PRODUCTS CO., LTD

2555 XiuPu Road, Pudong Area, Shanghai, China.

Tel: +86-21-58942200 Web: www.JLeisure-Global.com

JIANGSU JILONG SPORT AND LEISURE PRODUCTS CO., LTD

NO.1 Industrial Area South Zhongchen Road Zhongyang Town, Suqian, Jiangsu, China