



Aqua Pulse
Spas

POOL & SPA SUPPLIES

USER MANUAL
Airlie Classic Spa



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IMPORTANT SAFETY INSTRUCTIONS

Your physiological response to hot water is very subjective and depends on your age, health and medical history. If you don't know your tolerance to hot water or experience dizziness, headaches or nausea you should exit the spa immediately and cool down.

WARNINGS

Children in and around the spa should be supervised at all times by a responsible adult.

1. Use caution when entering or exiting the spa, where practical install a safety grab bar or handrail. Turn off all the jets before entering or exiting the spa to improve visibility while entering or exiting the spa. Remember that wet surfaces can be slippery.
2. Do not allow anyone to submerge their head under the water.
3. Do not use the spa unless all suction guards are installed to prevent body and hair entrapment. Do not sit in front of or on top of the suction fittings or skimmer. This will obstruct proper circulation of the water and may result in personal injury.
4. Never operate the spa pump/s without having all suction and return lines open.
5. Always keep the hardcover installed and locked when the spa is not in use.
6. Never allow anyone to sit or stand on the hardcover.
7. People using medications and or having any adverse medical history should consult a physician before using the spa.
8. People with infectious diseases should not use the spa.
9. Do not use the spa if you are under the influence of alcohol or drugs.
10. Do not consume alcohol or drugs while using the spa.
11. Pregnant women should consult a physician before using the spa.
12. As prolonged immersion in water temperatures in excess of 38°C (100°F) may damage your health, we recommend measuring the water temperature with an accurate thermometer before entering the spa. We also recommend establishing lower temperatures and shorter periods of use for users who may be affected by hot water temperature.
13. In order to avoid the possibility of hyperthermia (heat stress) occurring it is recommended that the average temperature of spa-pool water should not exceed 38°
14. Do not use the spa immediately following strenuous exercise.
15. You must use a qualified electrician to connect the spa to power.
16. The power should be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.
17. If your power supply cable is damaged switch the spa off at the residual current device inside your houses meter box, contact a qualified electrician to replace the cable.
18. Live parts and connections must be inaccessible to any person in the spa.
19. Earthed appliances must be permanently connected to fixed wiring.
20. Do not permit or use electric appliances (such as lighting, telephone, radios, televisions etc.) within 1.5 meters of the spa, unless the appliance is rated at 12VDC or less.
21. Parts incorporating electrical components except remote control devices must be located or fixed so that they cannot fall into the spa.
22. Test the GFCI (Ground Fault Circuit Interrupter) or residual current device (RCD) monthly.
23. If water is leaking from the spa stop using the spa until a qualified technician has resolved the problem.
24. Do not leave the spa empty for any period of time.
25. Post emergency phone numbers for Police, Fire Department and Ambulance at the nearest phone.
26. Install a CPR Resuscitation chart within easy view of the spa.
27. Check with your local council to see if your spa is required to be fenced.

HYPOTHERMIA

Since your spa can be set to reach temperatures of 40°C (104°F) users should be aware that extended submersion in water that exceeds normal body temperature can lead to hypothermia. Hypothermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 37°C (98.6°F). The symptoms of hypothermia include drowsiness, lethargy and an increase in the internal temperature of the body. The effects of hypothermia include:

- Unawareness of impending hazard
- Failure to perceive heat
- Failure to recognize the need to exit the spa
- Physical inability to exit the spa
- Fetal damage in pregnant woman
- Unconsciousness resulting in the danger of drowning

If you feel any of the symptoms of hypothermia safely exit the spa immediately. Please note that the use of Alcohol, Drugs or Medication can significantly increase the risk of Hypothermia.

INFORMATION TO ASSIST YOU LOCATING THE SPA

The following information will assist you in choosing the right location for your spa. When making your decision always remember that spas can be enjoyed all year round, indoors or out regardless of the climate. Many spa owners report that their favourite seasons are the cooler winter months while others enjoy using their spa in the warmer summer months.

OUTDOOR LOCATIONS

For a variety of reasons outdoor locations are a far more popular choice, some of the reasons include:

Limited indoor space.

Delivery complications due to door openings, stairwells etc.

Desire for an outdoor entertainment areas.

The spa is being installed adjacent to an existing or planned swimming pool

- Concerns over splashing water inside the home.

For those who choose an outdoor location, spa operating temperatures can be adjusted to match the season. In colder months many owners will operate their spa in the range of 36-38°C. During warmer months an operating temperature of 26-28°C will provide a refreshing retreat.

LOCATION CONSIDERATIONS

Contact your local council to determine if a building permit is necessary and for information on applicable bylaws (distance from property lines, buildings, fencing requirements etc.).

If you are doing any excavating contact Dial before You Dig on 1100 to ensure that there are no underground lines.

Locate the spa where possible within close distance of a door to the house, this will maximize potential winter use.

Ensure that your pump(s), controls, drain-valve and thermal probe are easily accessible and protected.

LOCATATION CONSIDERATIONS

If possible locate the spa where you will enjoy some privacy. If this is not possible a partial privacy or wind partition or proper placement of the optional cover lifter should provide adequate privacy.

SPA BASE

Your spa needs a good solid foundation, the foundation on which your spa sits must be able to support the weight of the spa the water in it and the weight of its users. If the foundation is inadequate the spa may shift, this will cause stress to the shell which may lead to the shell cracking. Damage caused by an inadequate or improper foundation is not covered under warranty. It is the responsibility of the spa owner to provide a proper foundation for the spa. A spa containing both water and people is extremely heavy, if you are installing the spa onto decking or any other elevated structure it is advisable to consult a structural engineer to ensure that the structure will support the weight of the spa.

Ideally the spa should be installed onto a concrete base at least 4" thick with reinforcing steel inside the slab.

If you are installing your spa indoors ensure that your choice of flooring is impermeable to water. Ensure that water drains away from the spa protecting the cabinet and electrical components from water damage.

WATER SUPPLY

Spas do not require a permanent water supply however there must be a water supply and hose within reach in order to fill the spa. A hose is also used for emptying the spa via the bottom drain or by using a submersible pump.

SAFETY

Do not place your spa within 3 metres of overhead power lines. Make sure your spa is positioned so that access to the equipment compartment and side panels will not be blocked.

TAKING DELIVERY

Depending on the delivery service you have ordered we will either drop the spa to curb side or bring the spa into position (as long as there is clear access).

Check the dimensions of your spa and compare them to the width of any gates and paths along the delivery route between the road and the installation site. It may be necessary for you to remove a gate or partially remove a fence in order to provide an unobstructed passageway.

If the delivery route will require a 90° turn, don't forget to check the measurements to ensure the spa will fit through. Also look for any protruding utility meters, low roof eaves, overhanging trees or gutters that might cause an obstruction.

In some circumstances it might be necessary to hire a crane for the installation.



ELECTRICAL INSTALLATION

You will need a suitable electrical supply to run the spa.

The Airlie Classic Spa requires a 15Amp Power Connection. Your electrician can hardwire the spa straight to the meter box in your house or they can install a 15Amp power point and make a 3 pin lead to connect the spa with.

ALL ELECTRICAL CONNECTIONS REQUIRE YOUR ELECTRICIAN TO INSTALL THE APPROPRIATE SIZED RCD IN THE HOUSES METER BOX.

When appointing an electrician to prepare your spas electrics check that they are suitably qualified and licenced to do so. Do not attempt to install the spas electrics yourself if you are not a fully qualified electrician.

The spa must be hard wired on its own fused circuit back to your household meter box. The spa should not be sharing power supply with any other appliances.

If your spa is being hardwired we recommend you install a Rotary Isolation Switch so that the spa can be isolated from the power supply in an emergency or for service work. This is simply a rotary on/off switch but should be sited more than 2 metres away for the spa so that users cannot be in the spa whilst operating the switch.

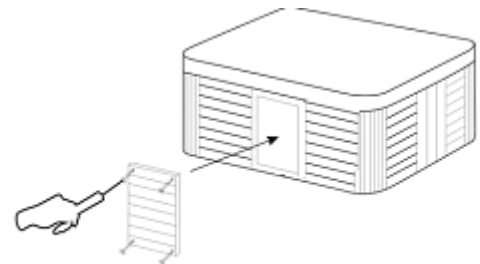
3 Pin Plug



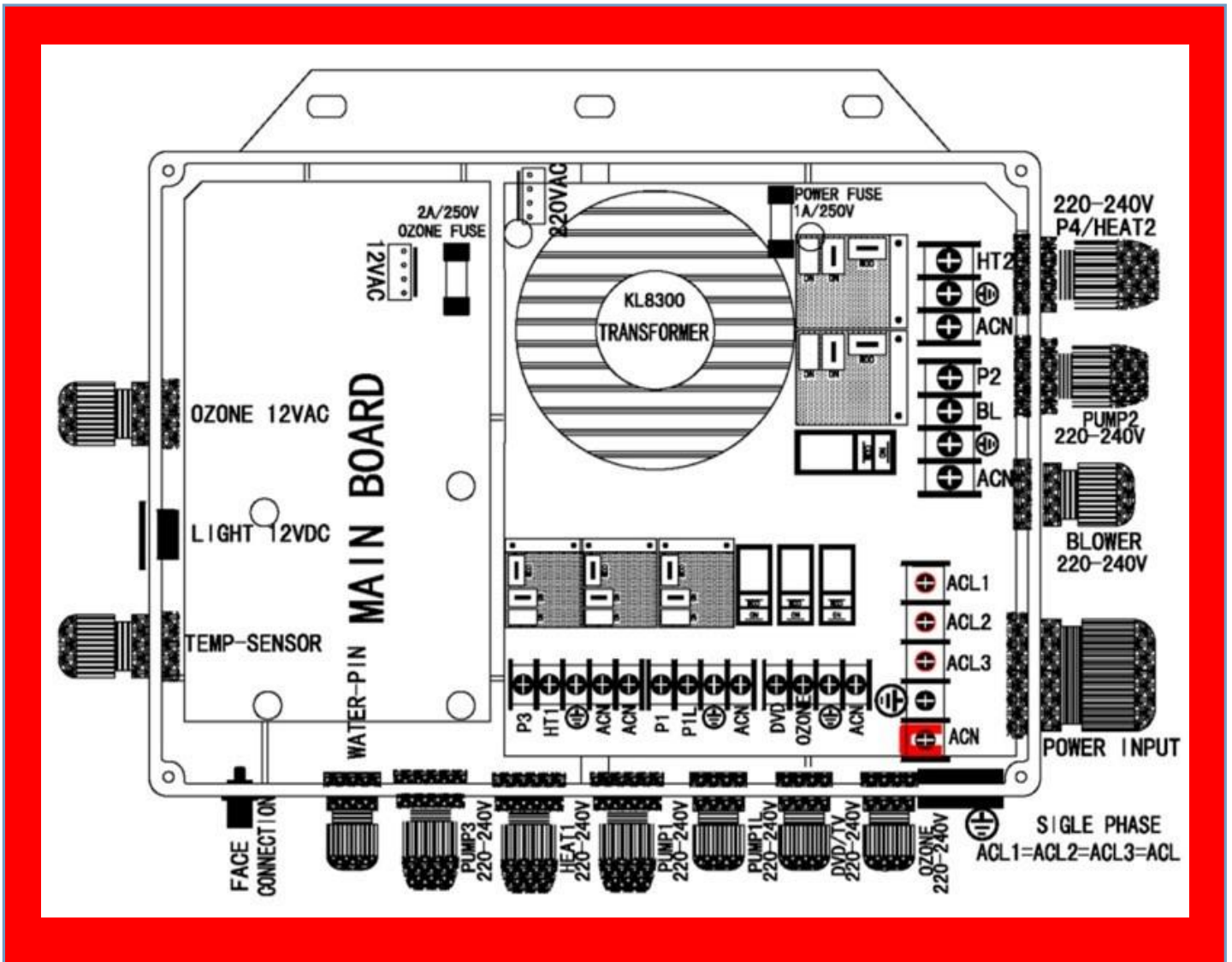
Rotary Isolation Switch



To locate the electrical connection point unscrew and remove the cabinet panels directly underneath the spas touch pad.



WIRING DIAGRAM



ELECTRICAL CONNECTION POINT LOCATION



IMPORTANT USAGE WARNINGS – NON WARRANTY FAULTS

Spas are extremely delicate products and require regular maintenance. Below we will list a number of common causes of problems which are not covered under warranty. Should we ever need to visit you to repair your spa you will be charged the full cost of a repair if we found that the cause was the result of poor maintenance or customer negligence. Paying full attention to the issues below will help to reduce the risk of damage to your spa.

WATER TREATMENT

One of the most crucial aspects of spa maintenance is water treatment. Improper water balance of Lithium, Peroxide, pH, Alkalinity or Calcium may cause damage to the spa surface, pumps, jets, heaters and headrests. If we find improper water balance in your spa, these parts will not be covered under warranty.

Please note that your spas headrest are sensitive to chemical exposure and will discolour immediately if you over sanitize the water or allow them to float in the water, this will not be covered under warranty. Do not clean the spas headrests with the spas water only use fresh tap water to clean the headrests. If you are sanitizing the spa on a once a week program it is recommended to remove the spas headrest on the day you sanitize the spa and replace them a day later to avoid over exposure to your sanitiser.

Different chemical packs have different methods of caring for the water. You will need to refer to the guide that came with your chosen chemical pack for exact details on how to treat your water.

THE USE OF BROMINE TABLES WILL VOID YOUR SPAS WARRANTY



FILLING YOUR SPA WITH WATER – AIR LOCKS

The correct way to fill up your spa is to remove the spas filter/s and place your hose inside the filter box. Some customers place the hose inside the spas main seating area however doing this may cause a build-up of air inside the plumbing creating an air lock. Air locks can cause damage to the spas pumps and heater. Damaged caused by an air lock will not be covered under warranty. To avoid this problem ensure you fill up the spa through the filter box. You can tell if you have an air lock by turning on the pumps, if no water appears to circulate through the system it is very likely that you have an air lock. To resolve this problem, loosen the unions at the side of the suction end of the pump until water begins to flow through. Alternatively contact the store of purchase for advice on other ways to remove an air lock.

Note: Please ensure drain fitting is closed before filling the spa, see instructions on page 11 for how to remove the spas filters.

FILTERS

Before you use the spa, please make sure the plastic wrap has been removed from the filters. Poor filter conditions are one of the biggest causes of faults that are not covered under warranty. Poor filter conditions allow particles to roam in the spas water. These tiny particles can cause damage to the spas components. One of the first things our technician will check when visiting your spa is the condition of your filter/s. If we find your filter/s are in poor condition your repair will not be covered under warranty.

We recommend that you regularly soak your spas filter/s in filter cleaner every week. You should also replace your spas filters every 12 months. It is advised to purchase a spare set of filters at the time of ordering your spa and alternate between the two sets each week to make the cleaning process easier.

USE OF HARDCOVER

Your spas hardcover must be locked to the spas cabinet when the spa is not in use. Leaving the cover off exposes your spa to the elements which can cause damage to the spas acrylic and also allows leaves, dust etc. to enter your spa. Debris in the spa can cause blockages or damage to the equipment, if our technician finds items such as leaves or dirt inside your spa your repair will not be covered under warranty.

CARING FOR CEDAR CABINETS

Wood skirting has a tendency to fade and lose its like-new appearance with time. You should re-stain your spa's skirting once every three months. Lightly sand the surfaces to remove any dirt and smoothen rough surfaces, re-stain the wood surfaces using a suitable stain. Do not use varnishes, shellacs or surface sealants. Warranty on spa skirting is only valid if spas have been regularly stained.

EMPTY SPAS

Your Spa must be filled with water at all times, an empty spa on a hot day will cause crazing or blistering in the spas acrylic. This can happen within 30 minutes of the spa being emptied. Your repair will not be covered under warranty for this issue.

HOW TO REMOVE YOUR SPAS FILTERS

WARNING: Be careful not to force the filter face past the waterfalls attached to the spa as this can break the waterfall fittings, if you apply a small amount of pressure to push the filter face away from the waterfall fitting as you remove the filter face you will clear the waterfall fittings without causing damage.

Remove the flat head screw in the Filter box face.

Lift the face plate off the filter box vertically until it separates away from the filter box.

Remove the leaf catcher by sliding it horizontally toward the centre of the spa.

You will see the filters inside the filter box, to remove them turn the handle on the top of the filter anti-clockwise until you can lift the filter out of the filter box.

To reinstall the filters reverse these steps.

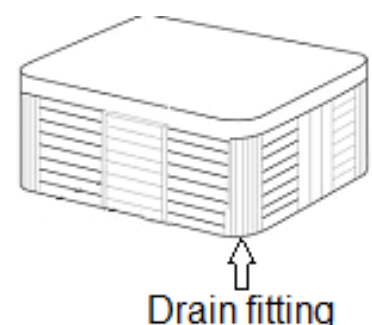


USING THE DRAIN

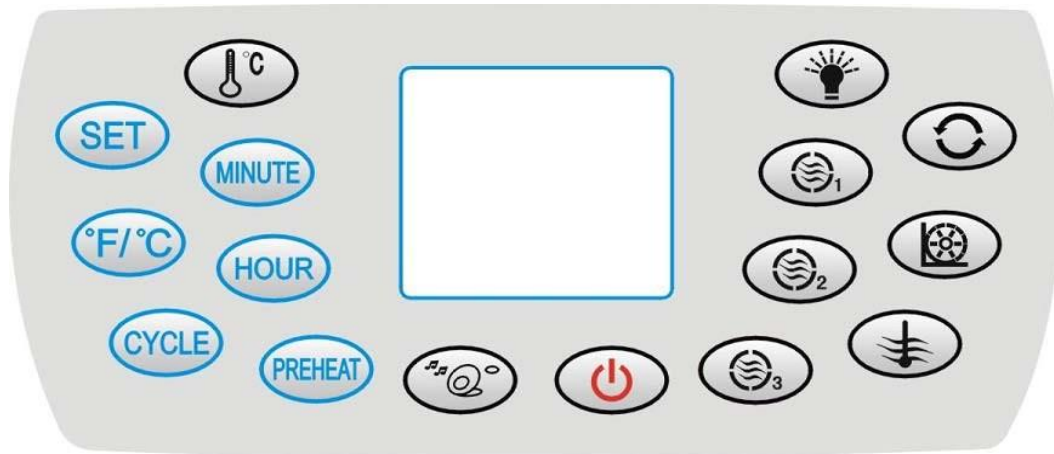
When the drain fitting is pushed in the drain is closed.
When the drain fitting is pulled away from the fibreglass base the drain is open.


DRAINING THE SPA

Attach the supplied hose fitting.
Connect your garden hose.
Release the drain fitting.
When finished draining the spa push the drain fitting back in.










OPERATING YOUR AIRLIE CLASSIC SPA

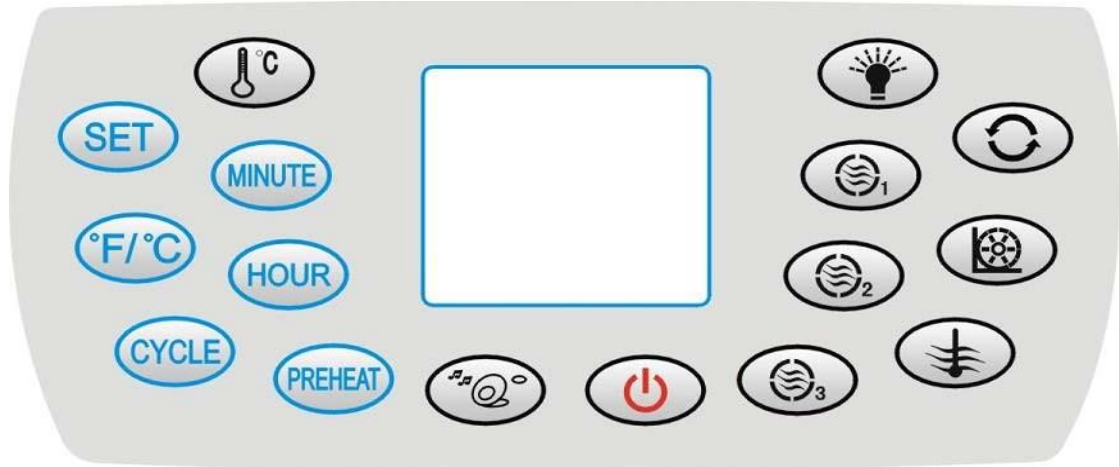








- Your spa has two modes of operation, Standby and Active modes.
- To switch between Standby and Active modes  press
- The spa will display '---' to indicate that the spa is in Standby mode.

Please Note: The Blue buttons will only operate when the spa is in Standby mode and the Black buttons will only operate when the spa is in Active mode.

BUTTON	FUNCTION	MODE
	Changes Between Active & Standby Modes	N/A
	Sets Cycle Cleaning	Standby Mode Only.
	Sets Heating	Standby Mode Only.
	Sets Fahrenheit or Celcius	Standby Mode Only.
	Sets Temperature	Active Mode Only
	No Function	Active Mode Only
	Turns on LED Lights	Active Mode Only

OPERATING YOUR AIRLIE CLASSIC SPA




BUTTON	FUNCTION	MODE
	Turns on Water Jets 1	Active Mode Only
	No Function	Active Mode Only
	No Function	Active Mode Only
	No Function	Active Mode Only
	Turns on Heater	Active Mode Only
	Starts Cycle Cleaning	Active Mode Only

SETTING THE TIME OF DAY



When turning on the spa for the first time you will need to set the clock time.

To set the clock time the spa must be in Standby mode.

Please ensure the spa is in Standby Mode (---). The three horizontal dashes must be displayed.

Press the  button to enter the time setting mode.

The hour and minutes will begin to flash on the display.

Press the  and  buttons to adjust the time, the time is set in a 24 hour clock.

Once the desired time is selected wait for 5 seconds.

The hour and minutes will remain static once this has completed.

SETTING THE CYCLE CLEANING


In order to keep your spa clean you need to set the cycle cleaning. This feature will automatically turn on all of the spas jets temporarily to purge the spas water and then will run the spas filter for the set period of time. You must run this feature for a minimum of 4 hours every day. Once the spa has finished the cycle cleaning it will return to standby mode.

To set the 4 hour cleaning cycle ensure the spa is in Standby Mode (---)

Now press 

Now enter the time of day you want the spa to begin the cycle cleaning, using a 24 hour clock.

To adjust the time press the  and  buttons.


Once you have selected an appropriate time press 

Now enter the duration for which you want the spa to cycle clean.

To adjust the duration press the  and  buttons, you must set at least a 4 hour period.

Once you have selected an appropriate duration press 

Now press the  button.

This symbol  will now appear on the display panel to indicate that cycle cleaning has been set.

TURNING ON HEATING


If you intend to keep the spa at a set temperature use the preheating function at the same time you run your cleaning cycle, the spa will return to standby mode once finished preheating. For the first time you heat the spa we recommend you set this for 12 hours and then re set it the next day to run at the same time you have set your cleaning cycle for.

Ensure the spa is in Standby Mode (---)



Press 

Now enter the time of day you want the spa to begin preheating (Use the same time set for the cleaning cycle).

To adjust the time press the  and  buttons.


Once you have selected an appropriate time press 


Now enter the duration for which you want the spa to preheat (Use the same time you have set for the cleaning cycle)

To adjust the duration press the  and  buttons.

Once you have selected an appropriate duration press 

Now set the temperature you want the spa to preheat too.


Press the  button to adjust the temperature to the desired temperature.

Now press this  button an 'on' sign (see below) will now be displayed next to the time which indicate that the preheating has been set.



TURNING ON THE HEATER MANUALLY


Ensure the spa is in Active Mode.

Press this  button to turn on the heater manually.

When the heater is on in active mode the heater will simply heat up to the spas maximum temperature as fast as possible, pressing the button a second time will turn the manual heating off.

TURNING ON THE HOT WATER PUMP

Ensure the spa is in Active Mode.

Press this  button to turn on the hot water pump.

To turn off the hot water pump press the same button again.


This pump will automatically turn itself off after a set amount of time running, if it turns off while you are in the spa you can press the same button to make it run again.


TURNING ON WATERFALLS & FEET JETS

The waterfalls and feet jets will only run whilst the spa is heating, once the desired heat is reached the waterfalls and feet jets will not run. The waterfalls are adjustable with the topside fitting next to the spas touch pad, please make sure you turn the fitting to the closed position when you finish using this feature. You don't want the waterfalls running while your spas hardcover is on.

TURNING ON THE LED LIGHTS

Ensure the spa is in Active Mode.

Press this  button once to turn on the lights, the lights will now alternate between a number of colours.

To hold a particular colour press this  button a second time.

To turn the lights off press the button a third time.

FROST PREVENTION SYSTEM

If the temperature of the spas water drops below 5°C the spa will switch on the heater until the spa reaches the temperature of 8°C.

OZONATOR

The spas ozonator will automatically turns itself on and off when required, there are no adjustments you are able to make.

TROUBLESHOOTING

Symptoms	Possible Cause(s)	Possible Resolutions
No Power	MCB Switch off Inadequate wiring of power to spa Fuse blown in control box RCD Tripped RCD Connected Improperly	Check MCB Consult electrician Replace fuse Reset Consult electrician
No Circulation	Impeller clogged Water level too low	Access and clean Top up water
RCD Repeatedly Tripping	Power Supply Short in Grounding	Check power supply is adequate Consult your electrician.
Jet Surge	Water level too low Pump suction are blocked	Top up water Clear the suction
No Heat	Heater is not switched on Water level is too low Heating element is damaged	Turn on heating (See Manual) Top up the water Contact seller
Noisy Motor	Damaged or worn bearings Low voltage Low water level Frozen pump	Contact seller Check electrical supply Top up the water Thaw out
Display Panel Not Working	Poor connection	Unplug and reconnect the cable
Pump doesn't turn on	No power to the pump Low water level Air Lock	See "No Power" above Top up the water See "Air Lock" in user's manual
Thermometer button flashes when the Heat Button is pressed	Not enough pressure to the circulation pump	Operate the circulation pump for a few minutes before turning on the heater.

UNLESS YOU HAVE THE APPROPRIATE ELECTRICAL LICENCE DO NOT OPEN THE SPAS COMPUTER BOX, PLEASE CONTACT THE STORE OF PURCHASE FOR DETAILS OF A LICENCED CONTRACTOR.