



ABER INNOVATIONS LTD

**UNIT 115
6951-72 St.
DELTA BC
V4G 0A2**

**2025
HOT TUB
OWNER'S MANUAL**

For SPAS MANUFACTURED WITH IN-YE ELECTRONICS

www.h2ospas.com



CONTACT INFORMATION

**ABER INNOVATIONS LTD
UNIT 115
6951-72St
BC
Canada
V4G 0A2**

TEL: 604-946-1077

www.h2ospas.com



Owner's Manual

This Owner's Manual explains many safety tips, installation instructions, operating directions, and general maintenance of your new spa. We suggest that you take some time to carefully review all sections. Please keep this manual available for reference.

If you have any questions about any aspect of your spa's set-up, safety instructions, operation or maintenance, contact your authorized H₂O Spas dealership. They are trained professionals and familiar with the products as well as new spa ownership concerns. Their expertise will facilitate the enjoyment of your new H₂O Spas product.

IMPORTANT: H₂O Spas reserves the right to change specifications or design without notification and without incurring any obligation.

Owner's Record

DATE PURCHASED: _____

DATE INSTALLED: _____

DEALER: _____

ADDRESS: _____

TELEPHONE: _____

SPA MODEL/SERIAL NUMBER: _____

SPA COLOUR: _____

Aber Innovations Ltd.

Congratulates you on your decision to enjoy the most innovative and finest spa available on the market.

Welcome to the new family of H₂O Spas spa owners.

Table of Contents

5	Warnings
6	General Safety Precautions
8	Site Selections
9	Site Preparations/ Delivery Access
10	Electrical Connections
11	Cabinet Removal
12	Starting your H₂O Spa
13	K500 Quick Start Reference
19	K300 Quick Start Reference
20	INYE.5/Electronic Control Instructions
21	Trouble Shooting Guide
22	Spa Maintenance
23	Winterizing/ Service Calls
24	Chemical Safeties/ Chemicals & General Supplies
26	Regular Maintenance
27	Dealer Non-Conformance Report
28	Amperage Draw Chart
30	Warranty Registration Form
31	Quick Start Instruction

WARNINGS

WARNING: CHILDREN SHOULD NOT USE THE 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 38C 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 INHURIOUS TO YOUR HEALTH.

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

CAUTION: MAINTAIN WATER CHEMISTRY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTION.

General Safety Precautions

It is important that you read and understand the following warnings and precautions before using, or allowing someone else to use your new hot tub. Doing so will ensure that you get the most out of your investment.

IMPORTANT SAFETY INSTRUCTIONS

1. **READ AND FOLLOW ALL INSTRUCTIONS.**
2. **DANGER – RISK OF ELECTRICAL SHOCK.** Install spa at least 5 feet (1.5m) from all metal surfaces. (A spa may be installed within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum No. 6 AWG (8.4 mm²) solid copper conductor attached to the wire connector on the terminal box that is provided for this purpose.)
3. **DANGER – RISK OF ELECTRICAL SHOCK.** Do not permit any electrical appliance such as a light, telephone, radio, or television within 5 feet (1.5m) of a spa.
4. **WARNING** – This unit must be hardwired only to a supply circuit that is protected by a ground fault circuit interrupter (GFCI). Such a GFCI is required by most building codes and should be provided by the installer and must be tested before each use. Consult GFCI manufacturers' instructions for correct testing and operation.
5. The electrical supply for this product must include a suitable rated switch or circuit breaker to open all ungrounded supply conductors to comply with the National Electrical Codes. The disconnection means must be in sight and readily accessible to the tub occupant but installed at least 5 feet (1.5M) from spa water.
6. **At least two lugs marked 'BONDING 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. All field-installed metal components such as rails, ladders, drains or other similar hardware within 3 meters of the spa or hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No.6 AWG.**
7. **CAUTION** – **A green colored terminal or a terminal marked G, GR, Ground, Grounding or the international grounding 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 the equipment.**
8. Spas must be installed with drainage for electrical equipment compartment.
9. Be sure the water always flows freely from the hydrotherapy jets within the spa. Any blockage or restriction of this water flow by persons or objects may damage system components, create an electrical shock hazard, and or cause water damage to the surrounding area.
10. To avoid damage to the pump(s) and heater, the Equipment must never be operated unless the spa is filled with water.
11. **WARNINGS – WATER TEMPERATURE IN EXCESS OF 38 degrees C MAY BE INJURIOUS TO YOUR HEALTH.**
12. The ideal temperature of your spa or hot tub should be between 95 and 100 F (35 – 38 C). This range is not only healthier but will also result in easier care of your spa.
13. Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should consult a physician before using a spa or hot tub.
14. **DANGER** – Do not lay across the foot area of the spa. Always sit in an upright position within the seats.
15. **WARNING** – To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
16. **DANGER** – 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.

General Safety Precautions Cont'd

17. Before entering a spa, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature regulating devices may vary as much as +/-5 degrees. Prolonged soaking in temperatures in excess of 38°C (Celsius) may cause drowsiness, fainting and may induce Hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 37°C (98.6°F.) The symptoms of Hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of Hyperthermia include failure to perceive heat; failure to recognize the need to exit the hot tub, unawareness of impending heat; fetal damage in pregnant women; physical inability to exit the spa and unconsciousness resulting in danger of drowning.

WARNING: THE USE OF ALCOHOL OR DRUGS CAN GREATLY INCREASE THE RISK OF FATAL HYPERTHERMIA IN HOT TUBS AND SPAS.

18. The use of alcohol, drugs, or medication before or during spa use may lead to unconsciousness with the possibility of drowning.

19. Persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatory system problems or diabetes should consult a physician before using a spa.

20. 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.

21. Do not use the spa unless all suction guards are installed to prevent body and hair entrapment.

22. Avoid strenuous exercise before using a hot tub or spa.

23. To avoid injury, exercise care when entering or exiting the spa.

24. Do not allow anyone to sit on the filter cover or filter cavity. This area is particularly unsafe for children to play in or around.

25. Prolonged immersion in a spa may be injurious to your health.

26. People with infectious diseases should not use a hot tub.

27. **CAUTION:** Maintain water chemistry in accordance with the manufacturer's instruction.

28. Maintain sanitizer level of 3-5 ppm of bromine or chlorine.

29. Do not mix chemicals with each other before adding them to the water. Add only one chemical at a time.

30. Never add concentrated liquid chemicals directly to the water. Always dilute chemicals in a large plastic bucket or pail before adding them.

31. When diluting chemicals, always add them to the water. Never add water to the chemicals.

32. Always dilute the chemical slowly and evenly before adding into the water.

Never add any chemical, diluted or otherwise, into any skimmer device.

33. Always store chemicals according to the manufacturer's label directions and keep them out of reach of children.

34. **SAVE THESE INSTRUCTIONS.**

Site Selection

Your **H₂O Spa** is totally self-contained and portable. You can place it just about anywhere you wish: on a patio or deck. Regardless of your choice of location, the hot tub should always be placed on a firm, level, and well-drained base. When considering an installation site, always allow for easy access to your equipment. The installation site should also allow enough room to completely remove and store the hot tub cover during use.

CAUTION: DO NOT INSTALL YOUR HOT TUB WITHIN 10' OF OVERHEAD POWER LINES.

If you are considering placing the hot tub on an elevated deck, platform, or indoors, we recommend that you consult a structural engineer or contractor prior to installation.

INSIDE LOCATION

Although your **H₂O Spa** has been designed to be operated outdoors during all seasons, some people choose to locate their unit indoors. Special precautions must be observed when putting your hot tub indoors, specifically in a heated room or solarium.

Proper ventilation:

The room must be properly vented to allow moisture and excess heat to escape.

Moisture:

Using your hot tub for 15 – 20 minutes gives off the same moisture/condensation as a 15 – 20 minute shower, so a proper bathroom fan should be installed.

Heat:

It is also very important not to allow heat generated by the hot tub equipment to become trapped in the hot tub area as this will lead to excess water temperatures, and could potentially cause premature equipment failure. The equipment cabinet should be vented if installed indoors, or in any area where the temperature is never below freezing.

Site Preparation

Your **H₂O Spa** has been engineered for installation on any firm level surface. While a concrete slab is the best for long-term use, other solid foundations are acceptable. Other suggestions include Pea Gravel or Crushed Rock, Railroad Ties, or Pre-cast Stepping-Stones. As a homeowner, it is your responsibility to provide a suitable, level foundation for your hot tub since most delivery crews are not equipped to level or prepare sites. Keep in mind that placing the hot tub on grass or dirt may increase the amount of debris that is inadvertently brought into the hot tub water on users' feet.

It is important to note that structural damage resulting from incorrect placement on an inadequate foundation is not covered under the hot tub's structural guarantee.

H₂O Spas are pressure tested for leaks at the factory. However before doing a permanent installation, such as cementing it into the ground or installing it in a room, we recommend running the hot tub with water to ensure that there are no leaks and that the equipment is working properly.

Caution: If your hot tub is to be mounted below ground level, ensure that there is sufficient drainage for rainwater runoff and equipment access.

Delivery Access

A hot tub can be delivered either flat, or in the vertical position on a delivery cart, as long as there is sufficient clearance and a firm base on which to roll the cart. Please contact your **H₂O Spas** dealer to determine the exact dimensions of your new hot tub so that you may determine whether it will fit through the intended delivery route.

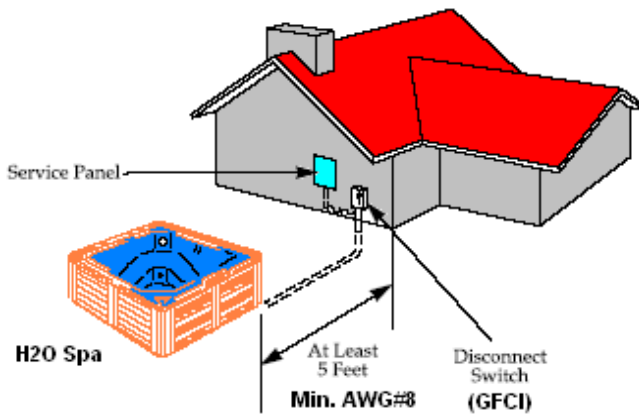
Keep in mind that the hot tub must remain on the delivery cart at all times. It may therefore be necessary to remove a gate or partially dismantle a fence in order to provide an unobstructed passageway. Prior to delivery, check if the intended delivery pathway has sufficient overhead and width clearance. Remove any branches, doghouses, firewood, gates, and other protrusions that may be in the way. Please note that it may be necessary to allow for additional overhead clearance if the hot tub will be rolled up an incline or moved up a short flight of stairs.

If the hot tub must be removed from the delivery cart in order to go over a wall, or because the entry is too narrow, a crane will be required. Don't panic, the use of a crane is common practice to avoid injury to your **H₂O Spas** spa dealer's personnel, and/or damage to your property. For a minimal charge, a crane can be parked in your driveway, and a licensed and insured operator will lift your hot tub over the house and place it as close to the installation site as possible. Crane installations usually take about 30 minutes to complete and can be supervised by your **H₂O Spas** dealer. Please note that if your delivery does require the use of a crane, you will probably be required to pay for its services upon completion of the delivery.

Electrical Connection

The electrical connections to the Digital Equipment Pack must be wired in accordance with all applicable, local electrical codes, and a licensed electrician must perform **all** electrical work.

The hot tub must be installed at least 1.5m (5ft) from all metal surfaces unless each metal surface is permanently connected by a minimum No.6 AWG solid copper conductor to the equipment "Bonding Lugs".



1. Install a ground fault interrupter (GFCI) in the power supply panel.

It is mandatory that your hot tub and equipment be protected by a GFCI (ground fault circuit interrupter) of not less than 40 amp double pole (50 amp for spas with 2 jet pumps).

CONTACT YOUR ELECTRICIAN FOR PROPER GFCI SIZING.

This must be a dedicated circuit with no other outlets or appliances on the same line as the hot tub equipment. The GFCI should be tested monthly or in accordance with the manufacturer's instructions.

2. Run the appropriate wire from the main power supply panel in the approved conduit to the hot tub. Your **H₂O Spas** spa pack requires a three wire electrical service, plus ground (Line 1-black, Line 2-red, Neutral white, Ground-green). The wire should not be less than an AWG#8/3, wired directly into a GFCI in the main electrical panel box or in a sub panel box close to the main panel.

CONTACT YOUR ELECTRICIAN FOR PROPER WIRE SIZING.

3. Attach the power wires to the terminal block inside the hot tub pack. Refer to the wiring diagram inside the hot tub equipment enclosure.

Note: A connector marked "Ground" is provided within the control box. To reduce the risk of electrical shock, connect this connector to the grounding terminal of the electrical service panel with a continuous copper wire, equivalent in size to the conductors supplying this equipment. Bonding lugs are also provided on the equipment pack to connect a minimum No. 6 AWG solid copper conductor between the hot tub and any metal surfaces that are closer than 1.5 m (5ft.) to the hot tub.

4. Complete the conductor connections at the GFCI.

5. In most cities and countries, permits will be required for the installation of electrical circuits or the construction of exterior surfaces (decks and gazebos). There are specific residential barrier codes which may require fencing and/or self-closing gates on the property to prevent unsupervised access to a pool or spa by children less than 5 years of age. Your H₂O Spa is equipped with a locking cover that meets the ASTM F1346-91 Standard for Safety Covers. Your H₂O Spa dealer can provide information on which permits may be required.

CABINET REMOVAL



TO REMOVE CABINET PANEL

Hook the supplied "S" shaped tool under trim strip and pull to remove. (Remove both trim strips.) Then holding the cabinet at the bottom center position, pull the cabinet towards you.

Go to **YOU TUBE** to watch a video

Search:

"Removing Cabinet on H2O Spas built after July 2020"



Starting Your H₂O Spas

Above Freezing Temperature

After your hot tub has been moved to the final installation site and wired correctly, follow these instructions for start-up. **The same steps apply each time the hot tub is emptied and refilled:**

1. Turn off all electrical power to the equipment at the circuit breaker (GFCI).
2. Ensure gate valves are open.
3. Ensure drain tap (on right side of cabinet) is closed.
4. Clean the interior of the hot tub of any remaining debris. Completely wipe interior of the hot tub with a wet sponge. Do not use any abrasive cleaner, metal brushes, or tools. Windex or isopropyl alcohol will remove most stains.
5. Check to ensure that the filter is installed correctly. (new filters may require removal of packaging)
6. **DO NOT FILL WITH HOT WATER! (Unless starting up tub in below freezing conditions then hot and cold can be mixed to 100° and added to tub once 12" of cold water has been added to tub first. Call your dealer for more details.**
7. Fill spa with water so that it covers the filter opening. The recommended level is ¼" below the bottom of the pillow. Low water levels can cause damage to the pump and heater unit.

IMPORTANT, PLEASE NOTE: Fill water by putting hose in filter area to reduce air lock in pumps.



CAUTION: The Control Module must never be operated without water in the hot tub; serious damage to the heater and/or pump may result.

8. Check all connections for leaks and hand tighten union fittings as required. The equipment may shift slightly during transportation, making hand tightening of the union fittings difficult. Should this occur, simply loosen or remove the screws securing the pump and module to the base and shift the components into alignment so that the unions can be hand tightened.
9. Turn on circuit breaker at the main electrical panel. (Only when water level is adequate to avoid pump damage)
10. Refer to your digital control module information for operating of your **H₂O Spas**.

Note: Do not expect to feel hot water immediately coming from the jets. The highly efficient heaters are designed to provide cost-saving, low level heating. Initially the hot tub will take approximately 7 – 8 hours to heat up. This performance figure is based on an average sized, fully insulated hot tub with a min 3" thick insulated hot tub cover.

Starting Your H₂O Spas

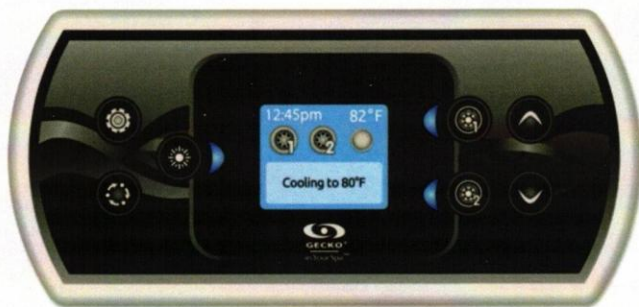
Below Freezing Temperature

CONTACT YOUR DEALER.



Quick Reference Card

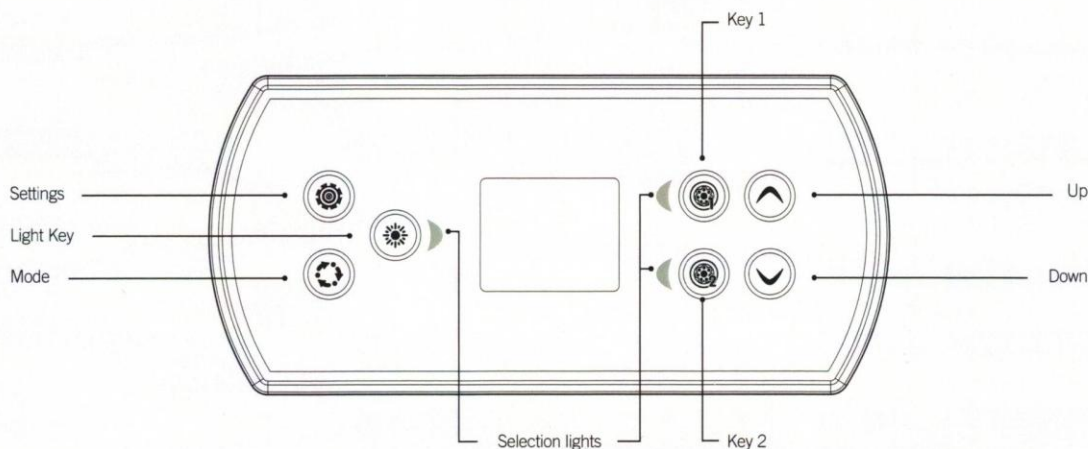
Please consult your spa user manual for complete info on the features of your spa system.



in.k500 intuitive color keypad

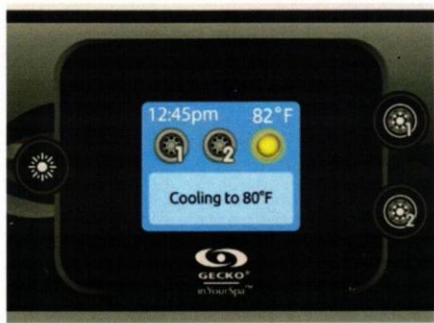
The in.k500 is built with all the great features you've come to love in the in.k800, but in a smaller package. It is discreet, compact, and unobtrusively beautiful. Save space without losing out on function.

Description



**Functions for keys 1 and 2 will depend on your system's low level configuration.*

Main functions



Settings key

One press gives you access to a menu to manage the settings of your spa. Refer to the settings section for details about the settings menu.

Main screen

The main screen gives you access to your accessories and water temperature. At the bottom of the screen you will see any error or maintenance messages that are present.

Power

Press any button to turn the keypad on.
After 30 minutes without activity it will shut off.

Start or stop accessories

To start or stop an accessory, press the associated button. Icons will become animated when their accessory is turned on, and inanimate when turned off. Icons on the screen will reflect the speed or state of the devices running on your spa.

When an accessory has more than two states, press the button until it reaches the desired state.

Note (version 14.00 and higher): A special buttons and icons mapping may be used when the spa configuration has 4 accessories* (3 pumps and a blower or 4 pumps and no blower). In this case only, buttons and icons are divided in 2 sets of accessories. Button #1 starts or stops pump #1 and pump #2. Button #2 starts or stops Pump #3 and Pump #4/blower. Corresponding icons will be animated when one or more accessories are on.

* Only Pump #1 can have a dual speed.

Mode key

Successive presses on the Mode key will give access to control different optional accessories of your spa such as Audio and others. Note that if an accessory is not present in your spa configuration, its menu will not appear. Refer to the following section to get details about the possible accessories and their detailed functionalities. The screen will revert back to the spa mode if no key is pressed for 60 seconds.

If you don't have any accessories, Mode key can be used to change your display orientation



Water temperature

The temperature shown at the top of the screen gives the actual water temperature.

Use the Up and Down buttons to set the desired temperature. The set point will appear in blue at the bottom. After 3 seconds without any change to the set temperature value, the keypad will resume the normal display of messages.

Settings



Settings

From the home page you can access the Settings, where you will find:

- Water Care
- Heat Pump (if installed)
- Audio (if installed)
- in.clear-200 linked version (version 13.00 and higher)
- Standby (version 6.00 only)
- Maintenance (version 7.00 and higher)
- Date & time
- Keypad
- Wi-Fi (Version 7.00 and higher. Only available on in.touch with software 11.00 and higher.)
- Config*
- Restore*
- About

Use the arrow keys to move up and down in the list. To select an option, press the lit button beside it (Light button). At any point you can press the Settings button to return to the home screen.

*Reserved for qualified electricians installers



Modifying schedules

Use the arrow keys to scroll through the Water Care selections. To see and/or modify a Water Care category, use the lit button to the right (key 1) to open the selected Water Care menu.

Use the arrow keys to choose a schedule to modify (choice of economy and filtration schedules). Use the Light key to move between parameters.

You have several possibilities for the schedule (Mon-Fri, weekend, every day, or single days). The schedules will be repeated every week. The time and duration are set in 30 minute increments. Once you have set the schedule, use Key 1 to go back. Ensure that you have selected the desired Water Care option in the main Water Care menu.

If your spa uses a circulation pump configured to run 24 hours, the screen will show you the purge setting instead of filtration. The purges are pre-programmed for a fixed number of minutes, therefore the duration will be set to N/A on the screen, and only the start time can be modified.



Water care

The Water Care section will help you set up your ideal filtration and heating settings. Choose a mode depending on your need.

Use the Light key to choose your setting. A checkmark will appear on the selected icon to confirm.

In Economy mode, the set point will be reduced by 20°F*, which means that the heating system will not be engaged unless the temperature falls to 20°F below the spa's set temperature.

*Default pack value



Heat pump

This menu allows you to change the regulation mode of your heat pump. You can choose from Eco Heat, Smart Heat, Eco Auto, Smart Auto, Cool and Electric.

A green checkmark indicates the currently selected regulation mode. To change the setting, simply navigate the menu using the arrow key and press the Light Key to choose the desired regulation mode.

Heat pump modes:

Eco Heat

In this mode, the heat pump is used as the unique source of heating. The heating element is kept off and the heat pump is not used to cool the water should its temperature rise above the current set point.

Smart Heat

This mode uses the heat pump as the main heating source. The heating element is turned on only if there is a large temperature difference between the water and the set point. The heat pump is not used to cool the water in this mode.

Water care modes



Away:

In this mode the spa will always be in economy; the set point will be reduced by 20°F*.



Standard:

The spa will never be in economy mode and will be filtering according to the pack's low level configuration.



Energy Savings:

The spa will be in economy mode during the peak hours of the day and resume normal mode on the weekend*.



Super Energy:

The spa will always in economy mode during peak hours, every day of the week*.



Weekender:

The spa will be in economy mode from Monday to Friday, and will run normally on the weekend*.

*Filtration will be reduced when the economy mode is active.

Eco Auto

This mode borrows functionality from both Eco Heat and Cool modes and has the ability to select the proper Heat or Cool mode automatically according to the water temperature. The heating element is never activated in this mode.

Smart Auto

This mode borrows functionality from both Smart Heat and Cool modes and has the ability to select the proper Heat or Cool mode automatically according to the water temperature. The heating element is activated only if there is a large temperature difference between the water and the set point.

Cool

This mode uses the heat pump in cooling mode only. The heat pump is not used as a heating source and the heating element is never activated.

Electric

This mode keeps the heat pump off and uses only the heating element to regulate water temperature.

Settings



Audio

The in.k500 can be used with the in.tune, in.stream or in.stream 2 audio systems. The Audio section in the Settings menu of an in.stream gives you the option to disconnect or unpair your Bluetooth enabled device when using the in.stream.

With version 7.00 and higher, it is also possible to select Source to use a device connected by auxiliary cable or Bluetooth wireless connection.

The in.stream 2 Settings menu gives you a Source selector, a Bluetooth disconnect option, an On/Off switch and an audio control on fader, balance and subwoofer.

For more information on audio functions, see the in.tune, in.stream or in.stream 2 operation section.

The Audio option will only appear in the menu for keypads that are set up for an in.stream connection. The in.stream 2 is automatically detected at power-up.



Maintenance (version 7.00 and higher)

From the Settings page you can access the Maintenance menu, which gives you access to the following options:

- Maintenance reminders
- Standby

Use the Up and Down keys to make a selection, and Light key to confirm.



Maintenance reminders (version 7.00 and higher)

The in.k500 keypad will remind you of maintenance required on your spa, like rinsing or cleaning the filter. Each task has its own duration, based on normal use.

The Maintenance reminders menu allows you to verify the time left before maintenance is required, as well as to reset the time once a task is completed.

Use the Up and Down keys to move through the list.

To reset a task select it by pressing Light key, then confirm when prompted. Once you have confirmed the task will be reset.



Standby (version 6.00 and higher)

The Standby mode allows you to service your spa.

Pumps will stop for 30 minutes, and automatically restart after this time.

Once Standby mode has been activated a screen will appear to show that pumps are stopped. The normal spa page will return at the end of maintenance.

Press on the Light key to leave Standby mode and restart the spa.

Note: In version 6.00 only, Standby mode is accessible directly from the Settings page.



Date and time

Here you can adjust the time format, change the year, date and time. Use the arrows to choose the setting that you want to adjust, and select it by pressing the Light key. Use the arrow buttons to change the parameters, and the Light key to move between parameters.

Key 1 will take you back to the main Settings menu.

Note: In version 6.00 and earlier, only the day of the week can be changed, and not the year or date.

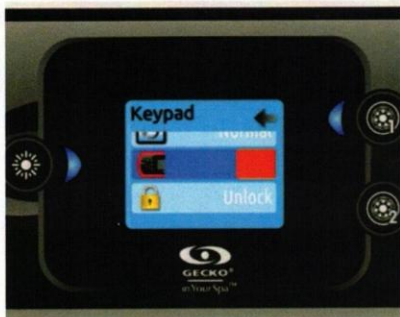


Keypad settings

In this section, you can change the temperature unit, language, display orientation, rim light color and keypad security. Note the spa pack must be configured accordingly to be able to change the rim light color.

When you change the display orientation, the contextual options and arrow keys adjust to the chosen orientation. The Mode and Menu keys remain unchanged, as well as the accessory keys in the main spa menu.

Settings



With the in.k500 equipped with a selectable rim light color modul: If the "RGB backlight" option is enabled in the spa configuration an option will appear to allow selection of the keypad rim light color.

You can lock the keypad by selecting one of 3 security levels: Unlock, Partial or Full. The Partial level locks the set point adjustment and many options in the settings menu. The Full level locks all keypad functions. To unlock the keypad (either Partial or Full), press and hold the Light key for 5 seconds.



About

This section shows information about the in.k500 software number, and the revision numbers of the different components of your system.

Audio operation



in.tune operation

Press the Mode key to access your in.tune.

Play/Pause audio

Press the Play/Pause key to start or pause the audio.

Adjusting the volume

Press the Up or the Down key to increase or decrease the volume.

Changing tracks

Use the Last Track and Next Track keys to change tracks for the CD or AUX input. When in Radio mode, the Last Track and Next Track keys will move through preset radio stations on the selected band. To change bands or preset stations, see your in.tune manual.

Turn power On/Off (version 7.00 and higher)
Press and hold the Play/Pause key for 3 seconds to turn the in.tune on or off.



in.stream operation

Press the Mode key to access your in.stream.

Play/Pause audio

Press the Play/Pause button to start or pause the audio

Adjusting the volume

Press the Up or the Down key to increase or decrease the volume.

Changing tracks

Use the Last Track and Next Track keys to change tracks

Disconnect or Unpair Bluetooth

These options can be found under the Audio section in the Settings menu.

Turn power On/Off (version 7.00 and higher)
Press and hold the Play/Pause key for 3 seconds to turn the in.stream on or off.



in.stream 2 operation (version 11.00 and higher)

Press the Mode key to access your in.stream 2.

Play/Pause audio

Press the Play/Pause button to start or pause the audio. This button is available for Bluetooth and USB only.

Adjusting the volume

Press the Up or the Down key to increase or decrease the volume.

Turn power On/Off

This option can be found under the Audio section in the Settings menu.

Changing tracks

Use the Last Track and Next Track keys to change tracks or FM stations. This is not available with Aux source.

Disconnect

This option can be found under the Audio section in the Settings menu.

Fader, Balance and Subwoofer

These options can be found under the Audio section in the Settings menu.

in.clear



in.clear-200 / linked version (version 13.00 and higher)

The in.k500 keypad can be used with the in.clear sanitization system. The in.clear section allows you to configure your maintenance settings and Boost level.

For more information on maintenance and Boost settings, see the in.clear user manual.

Use the Up and Down keys to make your selection, then light key to confirm.

Use the Up and Down keys to change the maintenance or Boost value, and light key to confirm.

* If the maintenance value is modified by more than 2, a warning message will appear with an option to cancel or confirm the change.



Press on the Mode key to access your in.clear module.

This menu allows you to activate or deactivate your in.clear, to start or stop a Boost, and to enter diagnostic mode.

Turning the in.clear on/off

Press the power key to turn the in.clear on or off.

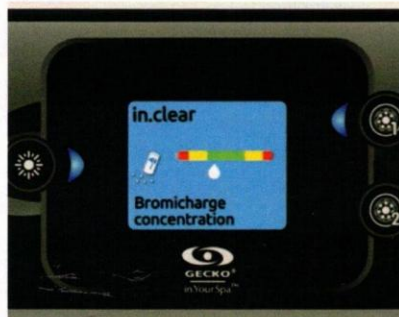
Control the Boost level

Press on the Boost activation/deactivation key to start a Boost, and again to cancel.

To adjust the Boost level use the arrow keys.*

A message indicating that Boost mode is active is displayed at the bottom of the main screen for the duration of the Boost.

* See the in.clear user manual for more details about Boost levels.



Diagnostic Mode

Press on the Diagnostic key to start a BromiCharge concentration level test. To exit diagnostic mode press on the Diagnostic key again. The system will automatically exit after 15 minutes.

In diagnostic mode, the BromiCharge gauge indicates the approximate level of BromiCharge in the spa water. Do not add BromiCharge if the indicator is in the green zone.

When BromiCharge is added the indicator will move slowly to the right. When water is added to the spa the indicator will move to the left. To obtain a good level of BromiCharge, start the pumps and add the specified amount of BromiCharge** and allow 5 minutes for the indicator to adjust before adding more.

For optimal performance, aim for the middle of the green zone.

** For more information on adjusting your BromiCharge level see the in.clear user manual.

Wi-Fi (in.touch only)



WiFi (version 7.00 and higher)

For the WiFi menu to appear in the Settings menu your in.touch module must be equipped with software version 11.00 or higher. This menu allows you to connect your in.touch module to a WiFi network or to change its network.

For more details about other in.touch connection methods please see the in.touch techbook.

To connect your in.touch module to a wireless network, use the Up/Down keys to go to the WiFi option in the Settings menu and Light key to select it.



After a few seconds the available networks will appear on the screen, as well as their signal strength.

Use the Up/Down keys to move through the list. Select your network by pressing on Light key.

If the WiFi network is password protected enter it when prompted.

- Use the arrow keys to choose your letters and change the type of character (uppercase, lowercase, number, symbol).
- Use Key 2 to move the cursor forward
- Use Key 1 to backspace
- Use Light key to confirm

If no password is required the in.touch will connect automatically.

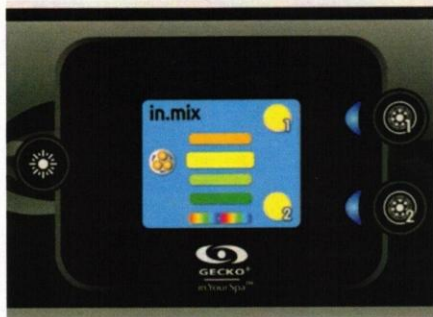


Once the in.touch module is connected to a WiFi network a check mark in a green circle will appear in the WiFi menu, and the network logo will change to green in Settings menu.

Note: WiFi logo color in Settings menu corresponds to the in.touch connection state.

Yellow = not connected
Green = connected to a network
Yellow with wait icon = connection attempt to a network
Red with wait icon = in.touch no longer detected (in.touch must be reset before next connection attempt)

in.mix



in.mix operation

This menu is only present if an in.mix system is detected.

Press on the Mode key to access your in.mix.

By default, the in.mix selects Zone 1 when you access the menu. After the first use, the menu will automatically return to the last zone selected.

Zone selection

The zone selection keys allow you to select a zone to modify its color.

- Press once to select the zone.
- Press a second time to deactivate the zone.

Changing colors

Once a zone is selected, use the arrow keys to change the colors by moving up and down in the color wheel.

Synchronizing zones

The synchronization/desynchronization key allows you to match the color of the selected zone to the other zones.



Quick Reference Card

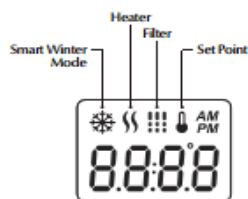
Please consult your spa user manual for complete info on the features of your spa system.



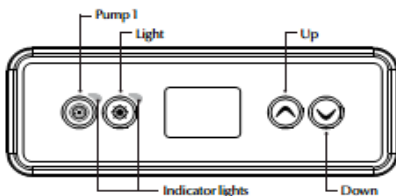
in.k300™ Compact full-function keypad

The Quick Reference Card provides an overview of your spa's main functions and the operations accessible from your digital keypad. This QRC depicts a generic overlay, custom versions may vary.

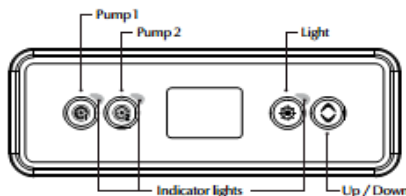
Description



1 Pump Model



2 Pump Model



Spa Functions



Off Mode

Pressing Pump 1 for 5 seconds will enable the Off mode. This mode allows you to stop all outputs including automatic functions such as filter cycle, heat request and smart winter mode for 30 minutes to perform quick spa maintenance. When Off mode is active, the display will toggle between the "OFF" message, the clock and the water temperature. The spa light will flash for a few seconds before the end of the 30 minutes to warn you that the system is about to resume its normal operation. Press Pump 1 or Pump 2 (if available) to restart the system before the expiration of the 30 minute delay. When the system resumes its normal operation, the display shows "On" for 3 seconds.



Pump 1

Press Pump 1 key to turn Pump 1 on at low speed. Press a second time to turn pump to high speed (with a dual-speed pump*). A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first. The "Pump 1" indicator lights up when Pump 1 is on. With a dual-speed pump, the indicator will flash when pump 1 is on at low speed.

* If single speed pumps: press Pump key to turn pump on. Press Pump key again to turn pump off.



Pump 2 key

Not available on all models. Press Pump 2 key to turn Pump 2 on at low speed. Press a second time to turn pump to high speed (with a dual-speed pump*). A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first. The "Pump 2" indicator lights up when Pump 2 is on. With a dual-speed pump, the indicator will flash when pump 2 is on at low speed.



Light key

Press Light key to turn light on. A second press turns light off. A built-in timer automatically turns light off after 2 hours, unless it has been manually deactivated first. The "Light" indicator lights up when light is on.



Up/Down keys

Use Up or Down key to set desired water temperature. The temperature setting will be displayed for 2 seconds to confirm your new selection. 2 pump spas have a combined Up/Down key. Hold the button to increase the parameter and release the button to stop. Hold the button again to decrease the parameter.

⚠ The "Set Point" icon indicates that the display shows the desired temperature, NOT the current water temperature!

Programming Steps



Program menu

The program menu is accessible by holding down the Light key for 5 seconds. In the program menu the following parameters can be set: clock, the filter or purge cycles, economy mode and temperature units. While you are in the program menu, use the Up or Down key to adjust the parameters and use the Light key to jump to the next parameter. The changes will be saved after the confirmation of

the last parameter only. If there is no action taken for 10 seconds, the system will exit the program menu without saving any changes.



Setting the clock

Enter the program menu by holding down the Light key for 5 seconds. The display will show the current clock setting with the hour flashing.

Depending on factory settings your system may be set to 24-hour time or 12-hour time.

Setting the hour: Use the Up or Down keys to adjust the hours. Press the Light key to jump to the next parameter, the minutes.

Setting the minutes: Use the Up or Down keys to adjust the minutes. Press the Light key to jump to the next parameter, the filter or purge start time (FS).

Programming the filter/purge cycles

Depending on system configuration your spa will perform either a filter or a purge cycle. The filter cycle menu consists of the following parameters: the start time (FS), the duration (Fd) and the frequency (FF). The purge cycle menu consists of the following parameters: the start time (FS) and the frequency (FF).

A filter cycle consists of starting all the pumps and blower in high speed for 1 minute (purge step) then, the pump associated with the filter will run in low speed for the remaining duration of the filter cycle (clean step).

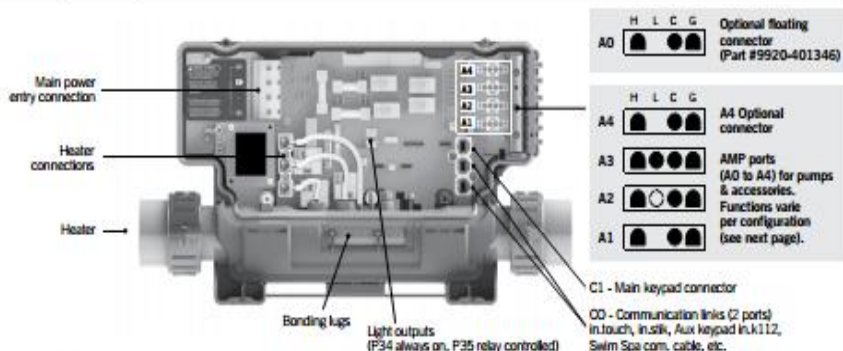
A purge cycle is used when the spa is equipped with a 24 hour circulation pump which provides a continuous clean step. It consists of starting all the pumps and blower in high speed for 1 minute.



Quick Start Card

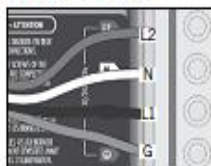
in.ye-3 & in.ye-5™ North American version

1- Connect all outputs & keypads



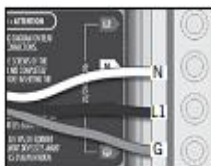
2- Connect the main power

2.a- Electrical wiring



For 240 V (4 wires)

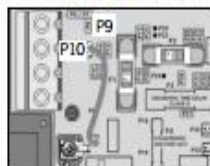
Connect wiring of the electrical service box GFCI. Neutral wire is mandatory.



For 120 V (*3 wires)

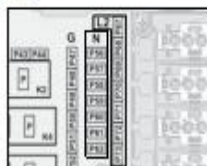
* If connected to a 3 wire system, any 240 V components will not work.

2.b- Heater & pump/accessories voltage



Heater voltage

Verify BROWN common wire connection to tab:
P9 = 240 V
P10 = 120 V

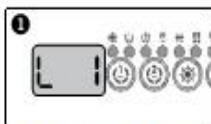


Pumps & accessories voltage

Verify each WHITE common wire connection to tab:
N = 120 V
L2 = 240 V pump/acc.

WARNING! All connections must be made by a qualified electrician in accordance with the national electrical code and any state, provincial or local electrical code in effect at the time of the installation. This product must always be connected to circuit protected by a Ground Fault Circuit Interrupter (GFCI).

3- Select spa configuration (if prompt on startup)



At first startup the keypad display will show Lx or LLx, where x = representing the config. number. Some spa packs come with a pre-selected config, and you may skip this step if your system automatically starts up¹.



Use the Up/Down key to choose the new low level configuration number.



Press the Program² key to confirm the selection.

For more information, see our website: www.geckcoaliance.com

¹ Note: To re-enter the low level selection menu, hold the Pump 1 key for 30 seconds.

Note: For the Color keypad series, select Settings menu, go into Electrical config, and choose the appropriate Low level.

² Note: If the keypad does not have a Program or Filter key, use the Light key instead.

4- Select breaker current



Press and hold the Program key for 20 seconds until you access the breaker setting menu.

Note: For the Color keypad series, select Settings menu, go into Electrical config and choose input current.



The values displayed by the system correspond to 80% of the maximum amperage capacity of the GFCI.

For more information, see our website: www.geckcoaliance.com

GFCI	b
60 A	48 A
50 A	40 A
40 A	32 A
30 A	24 A
20 A	16 A
15 A	12 A
(10 to 20 A dedicated to 120 V)	



Use the Up/Down key to select the desired value. Then press the Program key to confirm the selection.

Note: If the keypad does not have the Program or Filter key, use the Light key instead.

General Troubleshooting Guide

H₂O Spas Spa Models

Symptom... Possible Cause... Action

➤ **No heat**

1. Water level too low...Add water
2. Dirty filter...Clean filter
3. FLO Message...Check circulation pump is operating
4. FLO Message on new start up...Possible Air lock in pump
5. Burnt out heating element...Field service required (replace)

➤ **Poor jet pressure**

1. Individual jets closed...Ensure all jets open
2. Check if spa is equipped with diverter valve.
3. Knife valves not open fully... Open knife valves
4. Clogged suction...Clean

➤ **Intermittent jet action**

1. Water level too low...Add water

➤ **Tub water too hot**

1. Temperature set point... Turn down, set point too high
2. High outdoor ambient temperature...Remove insulated cover
3. Improperly ventilated...Improve air flow across pumps. Check door vents are not blocked by steps.
4. Faulty topside control unit/thermostat...Field service required (replace)

➤ **High limit tripped....HL**

1. Are jet pumps running for prolong period.
2. Check heat icon is on/off.
3. Remove cover. Once water has cooled Reset power by knocking GFCI breaker off/on.

➤ **GFI tripping**

1. Ground fault in heater (Corrosion)... Field service required (replace)
2. Wet equipment...Dry off equipment
3. Improper size wire or GFI ...Re-wire to specifications
4. Leaking heater element seal...Field service required (replace)

➤ **Cover too heavy**

1. Water Logged...Remove foam inserts to dry.

➤ **No digital read out**

1. Hot tub topside control has come unplugged from module...Plug in hot tub topside control
2. Power surge or power out...Shut power for 2 minutes then Reset
3. Faulty hot tub topside control unit...Field service required (replace)

➤ **Hot tub light doesn't turn on**

1. Do some lights operate? If so, Possible poor connection in light chain.
2. LED Lights not working...Field service required.

Spa Maintenance

Thermal Cover

A vinyl cleaner should be used regularly on your thermal cover. This will help guard against the sun's damaging ultra violet rays and help to prevent mildew stains. We recommend a periodic treatment of non-silicone spray for outdoor covers to help repel rainwater. We also recommend that every six months you should remove the cover inserts to allow them to air out. Do not allow snow to build up on the cover. Never allow anyone to stand or sit on the cover, and avoid dragging it across rough surfaces. The underside of your hot tub cover is a good reflection of the condition of your water. Poor water balance will quickly change the color and texture of the cover's underside.

It can also minimize the life expectancy of your hot tub cover. Please take steps to correct any water chemistry problems quickly to avoid serious damage to your cover. Even with perfect water balance, it is recommended that you wash the inside of your cover on a monthly basis to remove any chemical residue.

Note: When adding more than the normal daily amount of disinfectant (i.e.: shock treatment) leave the hot tub cover off for a minimum of a 1/2 hour. Failure to do so could damage the underside of the cover and void the warranty.

Pump Seal

Your jet pump is built using a "wet end" pump, and a "dry end" motor, with a seal in the middle. Depending on use and chemical balance, this seal will eventually need replacing. Check your motor monthly to ensure that there is no water leaking from the motor area.

If you detect any signs of leakage, contact your dealer immediately.

DAILY MAINTENANCE

- Check chlorine or bromine and pH level.

WEEKLY MAINTENANCE

- Check water level and top to prior level, if required.
(At least 2/3's the way up the skim filter opening.)
- Clean and check the skimmer basket.
- Check for water scum line, and wipe.

Spa Maintenance

MONTHLY MAINTENANCE

➤ Cleaning the Filter

Filtering is performed by pumping water through the fine polyester mesh of the filter. As water flows through the filter, suspended particles become trapped on its surface. It is necessary to remove the filter and clean the cartridge surface, generally every 4 weeks, depending on usage and water quality. Cleaning is accomplished by washing all the entrapped dirt from the filter with a garden hose with a high-pressure nozzle.

Occasionally, the cartridge will need a more thorough cleaning to remove oils and grime from its surface. Turn power to the hot tub off before removing the cartridge. Clean with a medium-pressure nozzle, and then place the cartridge in a container, soaking the cartridge 3 to 6 hours or overnight in filter-cleaning solution or a similar filter-cleaning product. The average life expectancy of the filter cartridge is approximately 1 to 2 years with proper care and water quality maintenance.

EVERY 2 TO 3 MONTHS

➤ Draining the Hot Tub

Turn off the power at the GFCI. Attach a garden hose to the drain tap/by removing the cap, attaching the hose and then pulling the hose 3" from the cabinet located on the right side of the cabinet of your hot tub. Open the drain let the water drain (this will take approximately 2 to 4 hours depending on the size of your tub) and clean the inside surface of your hot tub. Do not use any soap products or abrasive cleansers. Refill hot tub with fresh water, refer to start-up instructions. Obtain a water sample and have it tested. At this time your water must be rebalanced to protect your investment.

Note: Do not drain hot tub during below freezing conditions. If draining is required during below freezing, contact dealer for proper procedures.

In order to ensure your hot tub operating at its optimum, expect to drain/refill your hot tub at least 4 times a year (more often may be required depending on usage and bather load).

Winterizing

H₂O SPAS PRODUCTS ARE DESIGNED FOR WINTER USE. IF YOU WOULD LIKE TO SHUT DOWN YOUR HOT TUB FOR THE WINTER, CALL YOUR DEALER. FOR A MINIMAL CHARGE THEY WILL WINTERIZE THE EQUIPMENT AND PLUMBING TO PREVENT DAMAGE TO THE INTERNAL PARTS OF YOUR HOT TUB. SEVERE DAMAGE THAT IS NOT COVERED BY THE GUARANTEE CAN OCCUR IF WINTERIZING IS NOT DONE BY A QUALIFIED TECHNICIAN.

Do not allow snow to build up on the cover.

SERVICE CALLS

For any Guarantee service required, please call the Certified **H₂O Spas** dealer where you purchased the hot tub. If you need further information, please call **1-604-946-1077**, or visit our web site at: <http://www.h2ospas.com>

BEFORE CONFIRMING A SERVICE APPOINTMENT:

Have ready the serial # and model # of your hot tub (located on the silver data plate on the front of the hot tub), your date of purchase, and store receipt.

It will be necessary to confirm that the electrical installation is in accordance with the Canadian Electric Code Part 1 and/or National Electrical Code. Please be ready to supply the name and telephone number of the licensed electrician that wired your spa.

Chemical Safety

- DON'T use swimming pool (muriatic) acid to lower pH.
- DON'T splash pH increaser additives on the siding.
- DON'T misuse Compressed Sanitizers.
- DON'T use a sanitizer which is not designed for spas.
- DON'T use household bleach (liquid sodium hypochlorite).
- DON'T broadcast or sprinkle the chemicals onto the water surface. This method may cause chemically-induced spa surface blistering (chemical abuse).
- DO use special care if using baking soda to clean either the interior or exterior plastic surfaces.
- DO use only a granular form of sanitizer (chlorine).
- Do not mix chemicals with each other before adding to hot tub. Add only one chemical at a time.
- Accurately measure and use exact quantities specified – never more than what is recommended.
- Never add concentrated chemicals directly into hot tub. Dilute with water in a large plastic pail.
- Always add chemicals to water and never water to chemicals.
- Always add diluted chemical slowly and uniformly towards the center of hot tub. Never add chemical directly to skimmer unless directed to do so on package.
- Chemicals may be corrosive, so handle with care. Store them in a cool, dark place.

WARNING: KEEP OUT OF REACH OF CHILDREN!

- Never smoke near chemicals, some are highly flammable.
- Ensure any spilled chemicals are carefully cleaned up. They may be corrosive and may cause damage or bodily harm.

Chemicals and General Supplies

SPA TABS Stabilizing chlorinating tablets used to control bacteria and algae in hot tub water.

pH UP Raises the pH of hot tub water.

pH DOWN Lowers the pH of hot tub water.

STAIN AND SCALE Multi-purpose concentrate that eliminates and prevents staining and scale formation. Also helps clarify cloudy water.

HOT TUB SHOCK Destroys organic contaminants and restores (Non-Chlorine) water clarity.

FILTER CLEAN Filter cleaner; a cleaning solution used to remove body oils from the filter cartridges.

HOT TUB TEST KIT A kit that tests for pH, chlorine and/or bromine levels in the hot tub water.

FLOATING DISPENSER Accessory used to hold chlorine or bromine tablets or sticks (up to 1-3/16" diameter) allowing them to slowly dissolve.

THERMOMETER Tool used to verify temperature in the hot tub.

FILTERS Replacement filters.

WATER TERMINOLOGY

The following chemical terms are used in this Water Quality and Maintenance section. Understanding their meaning will help you to better understand the water maintenance process.

Bromine: A halogen sanitizer (in the same chemical family as chlorine). Bromine is commonly used in stick, tablet, or granular form.

Bromamines: Compounds formed when bromine combines with nitrogen from body oils, urine, perspiration, etc. Unlike chloramines, bromamines have no pungent odor and are effective sanitizers.

Calcium Hardness: The amount of dissolved calcium in the spa water. This should be approximately 150-200 ppm. High levels of calcium can cause cloudy water and scaling. Low levels can cause harm to the spa equipment.

Chloramines: Compounds formed when chlorine combines with nitrogen from body oils, urine, perspiration, etc. Chloramines can cause eye irritation as well as having a strong odor. Unlike bromamines, chloramines are weaker, slower sanitizers.

Chlorine: An efficient sanitizing chemical for spas. Recommended the use of sodium dichloride-type granulated chlorine. This type is preferred because it is totally soluble and nearly pH neutral.

Chlorine (or Bromine) Residual: The amount of chlorine or bromine remaining after chlorine or bromine demand has been satisfied. The residual is, therefore, the amount of sanitizer which is chemically available to kill bacteria, viruses and algae.

Corrosion: The gradual wearing a way of metal spa parts, usually caused by chemical action. Generally, corrosion is caused by low pH or by water with levels of TA, CH, pH or sanitizer which are outside the recommended ranges.

DPD: The preferred reagent used in test kits to measure the Free Available Chlorine.

Halogen: Any one of these five elements: fluorine, chlorine, bromine, iodine, and astatine.

MPS: Monopersulfate is a non-chlorine oxidizer.

Oxidizer: The use of an oxidizing chemical is to prevent the buildup of contaminants, maximize sanitizer efficiency, minimize combined chlorine and improve water clarity.

pH: The measure of the spa water's acidity and alkalinity. The recommended pH for the spa water is 7.4 to 7.6. Below 7.0 (considered neutral), the spa water is too acidic and can damage the heating system. Above 7.8, the water is too alkaline and can result in cloudy water, and scale formation on the shell and heater.

ppm: The abbreviation of "parts per million", the standard measurement of chemical concentration in water. Identical to mg/l (milligrams per liter).

Reagent: A chemical material in liquid, powder, or tablet form for use in chemical testing.

Sanitizer: Sanitizers are added and maintained at recommended residuals to protect bathers against pathogenic organisms which can cause disease and infection in spa water.

Scale: Rough calcium-bearing deposits that can coat spa surfaces, heaters, plumbing lines and clog filters. Generally, scaling is caused by mineral content combined with high pH. Additionally, scale forms more readily at higher water temperatures.

Shock Treatment: Also known as "super-chlorination" when chlorine is used. Shock treatment is a process of adding significant doses of a quick dissolving sanitizer (sodium dichloride is recommended) to oxidize non-filterable organic waste and to remove chloramines and bromamines.

Total Alkalinity: The amount of bicarbonates, carbonates, and hydroxides present in spa water. Proper total alkalinity is important for pH control. If the TA is too high, the pH is difficult to adjust. If the TA is too low, the pH will be difficult to hold at the proper level. The desired range of TA in spa water is 125 to 150 ppm.

Regular Maintenance

DAILY MAINTENANCE

- Test pH and adjust to between 7.2 and 7.6.
- Test chlorine or bromine level and adjust.
- Re-test again each day for one week if the hot tub has just been refilled.

WEEKLY TREATMENT:

- Test total alkalinity.
- Shock water as per instructions on hot tub shock table.
- Clean any oil and grease from water line, if present.
- Remove and clean filter (if necessary) by spraying with garden hose (see "Cleaning the Filter").
- Depending on use, Filter Clean may be required.

GENERAL MAINTENANCE AND CARE:

- Every 3 to 4 weeks clean filter with Filter Clean*.
- Change water at least every 90 days.
- Periodically clean and protect vinyl cover with a vinyl cleaner.
- Ensure test strips are not out of date.

***This will vary greatly with frequency of hot tub usage, bather load, etc.**

WARNING: Failure to adhere to regular maintenance procedures will lead to improper water balance which will in turn contribute to the failure of the:

- heater element
- pump seal
- coupling seals and heater gaskets.
- hot tub pillows

This will not be covered under warranty.

DRAINING YOUR SPA

1. TURN OFF OR DISCONNECT POWER FROM THE SPA.

2. Locate the drain valve . Pull on the drain cap. It will slide out 3" to allow attaching of hose. Remove cap.
3. Attach drain to garden hose and direct to an appropriate draining area. Then push hose connection 1.5" back into drain fitting to start flow. Maintain hose below water line.
4. After your spa is empty, clean the shell and filter cartridge.
5. After cleaning, remove garden hose and push drain valve back into cabinet.
6. Thread on cap.

Spa Cabinet

Cleaning of Spa cabinet consists of simply spraying the cabinet with a mild soap and water solution to remove any stains and residue.



DEALER NON CONFORMANCE REPORT

Aber Innovations Ltd.

UNIT 101/102-18860 24TH AVE, SURREY BC V3Z 0Y8

E-MAIL TO info@h2ospas.ca

NON CONFORMANCE REPORT	
Date:	
Dealer Name:	
Sender:	
Customer Name:	
Spa Model:	
Serial Number:	
Delivery Date:	
PROBLEM DESCRIPTION. (When, Where, Why, Who, What)	
H2O Spas OFFICE USE:	
Reviewed By	
Date:	
FOLLOW UP	
Corrective Action	
Preventive Action	
Copy of completed NCR sent to writer and initiator by:	Date:

Aber Innovations Ltd.

Unit 115-6951-72 St. Delta BC V4G 0A2 Tel 604-946-1077 www.h2ospas.com



CONTRACTOR SERIES

Standard Amperage Draw Chart for 240v / 60 Hz Supply

For Spas Built After 1st Sept, 2024 with 4KW Heaters

2025 MODELS		Contractor XP1
Component Description	AMPS (Low / High)	
Standard 4kw Flo Thru heater *		16
3 HP Jet Pump (240v)	3.6 / 12	12
AMP Draw (per supplier spec)		28
Actual AMP Draw (at Water Test)		28

*Water Test Power Supply Voltage: 240 VAC

ALWAYS HAVE A LICENSED ELECTRICIAN SIZE THE APPROPRIATE GFCI BREAKER AFTER INSPECTING THE INSTALLATION SITE.

The In.YE Spa Pak has the ability to control the total amperage available in your spa. This may be required when the existing installed AMP service is less than the required amperage above.



PREMIUM SERIES

Standard Amperage Draw Chart for 240v / 60 Hz Supply

For Spas Built After 1st Sept, 2024 with 4KW Heaters

2025 MODELS		20 jets	30 jets	50 jets
Component Description	AMPS (Low / High)			
Standard 4kw Flo Thru heater *		16	16	16
3 HP Jet Pump (240v)	3.6 / 12	12	12	*
2 x 3.0hp Jet Pump (240v)	3.6 / 12	*	*	24
1/15hp Circulation Pump (230v)	0.6	0.6	0.6	0.6
AMP Draw (per supplier spec)		28.6	28.6	40.6
Actual AMP Draw (at Water Test)		28	28	40

*Water Test Power Supply Voltage: 240 VAC

ALWAYS HAVE A LICENSED ELECTRICIAN SIZE THE APPROPRIATE GFCI BREAKER AFTER INSPECTING THE INSTALLATION SITE.

The In.YE Spa Pak has the ability to control the total amperage available in your spa. This may be required when the existing installed AMP service is less than the required amperage above.



ABER INNOVATIONS LTD LIMITED WARRANTY

THIS LIMITED WARRANTY IS EXTENDED TO THE ORIGINAL PURCHASER OF ALL
H2O SPAS MANUFACTURED AFTER AUGUST 1ST 2024 AND INSTALLED IN NORTH AMERICA

10 / 5 / 2 / 2

10 YEARS STRUCTURE	H2O SPAS are warranted against water loss caused by structural failure of the spa shell for TEN YEARS from the original date of purchase.
5 YEARS SHELL SURFACE	H2O SPAS are warranted against blistering, cracking or delamination of the interior surfaces of the spa for FIVE YEARS from the original date of purchase
2 YEARS PLUMBING	H2O SPAS plumbing components are warranted against leaks due to defects in workmanship or materials for TWO YEARS from the original date of purchase.
2 YEARS MOTORS & CONTROLS	H2O SPAS electrical equipment components, specifically the motors and control system, are warranted against malfunction due to defects in workmanship or materials for TWO YEARS from the original date of purchase.

WARRANTIES FOR OTHER COMPONENTS including all other factory-installed components including but not limited to the cabinet (both metal and synthetic), Spa cover, audio equipment and all molded plastic fittings (jets and control handles) are warranted against malfunction due to defects in workmanship and materials for a period of one year.

PERFORMANCE

To obtain service in the event of a defect covered by this Limited Warranty, notify your H2O SPAS dealer as soon as possible and use all reasonable means to protect the spa from further damage. Upon proof of purchase, a designated service representative will correct the defect subject to the terms and conditions contained in this Limited Warranty. There will be no charge for parts or labor to repair the defect, although providing access to affect the repair is your responsibility as the spa owner. You may be assessed reasonable repairman travel mileage charges. If Aber Innovations Ltd. (the "Manufacturer") determines that repair of the covered defect is not feasible, it reserves the right to provide a replacement spa instead, equal in value to the purchase price of the original spa. In such an event, reasonable costs for removal of the original spa, shipping costs from the factory for the replacement spa and delivery and installation of the replacement will be your responsibility as the spa owner. The replacement spa will carry the balance of the original spa's warranty.

WARRANTY LIMITATIONS

This Limited Warranty is void if The Manufacturer or its designated representative determines that the spa has been subjected to alteration, neglect, misuse or abuse, or freight damage caused by the common carrier; any repairs have been attempted by anyone other than a designated representative; or if the failure is caused by accident, acts of God or other causes beyond the control of the Manufacturer. Neglect, misuse and abuse include any installation, operation or maintenance of the spa other than in accordance with the instructions contained in the owner's manual provided with the spa; including but not limited to the FAILURE TO MAINTAIN PROPER WATER CHEMISTRY AND CHEMICAL BALANCE and the use of abrasive or improper cleaners. This Limited Warranty does not provide coverage for the insulating cover, any item attached to or installed on the spa after the date of manufacture, or for gaining access to any component for repair or replacement. Spa units in commercial use are excluded from any coverage whatsoever. The spa owner accepts liability for repair work performed by anyone other than the Manufacturer or a designated representative of H2O SPAS

LIMITATIONS

The Manufacturer disclaims all warranties, expressed or implied, in fact or in law, to the extent allowed by your Province's Law, including the warranty of merchantability and fitness for use, except as stated specifically herein. The Manufacturer or its designated representative must perform all warranty service. No agent, dealer, distributor, Service Company or other party is authorized to change, modify or extend the terms of this limited warranty in any manner whatsoever. The Manufacturer will not be responsible for any statements or representations made in any form that go beyond, are broader than, or are inconsistent with any authorized literature or specifications furnished by H2O SPAS.

DISCLAIMERS

The Manufacturer and its representatives shall not be liable for any injury, loss, cost or other damage, whether incidental or consequential, arising out of any defect covered by this limited warranty, including without limitation, loss of use of the spa and cost for removal of defective product even if the Manufacturer was advised of the possibility of damage. The liability of the Manufacturer under this limited warranty, if any, shall not exceed the original amount paid for the defective product. Coverage under this limited warranty shall commence as of the original date of purchase and the duration of such coverage shall not extend for any reason whatsoever beyond the stated time periods. These disclaimers shall be equally applicable to any service provided by the Manufacturer and its designated representatives.

LEGAL RIGHTS

This Limited Warranty gives you specific legal rights. You may also have other rights that vary from province to province. Some provinces do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.



QUICK START INSTRUCTIONS

PROFESSIONAL INDUSTRY LINK TO OTHER ONLINE

CONNECTING POWER

The SPA equipment is located under the internal steps of the spa. Your electrician will be required to connect the 240v 60Hz power supply to the spa using local electrical code standards.

FILLING SPA

The SPA is filled using a garden hose attached to the cold-water supply. It is preferable to do this while the electrician is installing the wiring so that the SPA is ready to operate once power is connected.

SPA OPERATION

Once the electrician turns the power "ON", the SPA will start automatically.

STEPS

- 1) REMOVE THE TWO VERTICAL ALUMINUM CABINET STRIPS, USING THE "S" HOOK TOOL. THE TOOL HOOKS UNDER THE TRIM STRIP ALLOWING YOU TO PULL THE STRIP TOWARDS YOU. THE TRIM STRIPS ARE FRICTION FITTED.
- 2) NOW, HOLD THE DOOR AT THE BOTTOM CENTER POSITION. LIFT SLIGHTLY AND PULL CABINET PANEL AWAY FROM THE SPA. CAREFULLY AS THE PANEL IS HEAVY.
- 3) THIS WILL ALLOW THE FRONT CABINET PANEL TO BE REMOVED EXPOSING THE SPA EQUIPMENT.
- 4) **NEW FRONT PANEL ACCESS** GO TO **YOU TUBE** TO WATCH A VIDEO – SEARCH "REMOVING CABINET ON H2O SPAS BUILT AFTER JULY 2020"
- 5) YOUR ELECTRICIAN WILL CONNECT L1, L2, N AND GROUND WIRES TO THE SPA VIA A SUITABLY SIZED GFCI BREAKER.
- 6) DO NOT REPLACE CABINET PANEL UNTIL SPA IS FILLED WITH WATER AND OPERATING.
- 7) DO NOT POWER SPA UNTIL SPA IS FULL OF WATER.

STEPS

- 1) ENSURE SITTING AREA WITHIN SPA IS CLEAN WITH NO DEBRIS.
- 2) OPEN FILTER HOUSING LID AND REMOVE FILTER.
- 3) PLACE END OF WATER HOSE INTO FILTER FITTING AT BASE OF FILTER HOUSING.
- 4) FILL SPA WITH WATER UNTIL WATER LEVEL TOUCHES THE LOWER EDGE OF THE MOULDED HEAD PILLOW.
- 5) THREAD FILTER INTO FITTING AT BASE OF FILTER HOUSING, ENSURING THAT FILTER IS TOTALLY SUBMERGED.

STEPS

- 1) ONCE THE POWER IS SWITCHED ON AT THE GFCI BREAKER, THE PUMPS AND HEAT WILL START AUTOMATICALLY.
- 2) THE JET PUMP WILL RUN FOR 1 MINUTE BEFORE KNOCKING OFF.
- 3) THE 24/7 CIRCULATION PUMP WILL START TO FILTER THE WATER. ONCE THE SPA COMPUTER DETECTS THE WATER FLOW IT WILL DISPLAY THE WATER TEMPERATURE AND START HEATING. (FOR K300 TOPSIDE OPERATION SEE K300 QUICK REFERENCE CARD.)