OWNER'S MANUAL
EXECUTIVE SERIE EUROPE

Be Well
CANADA SPA

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INTRODUCTION

Your choice of a Be Well Canada Spa indicates that you are devoted to excellence. The management and staff appreciate your patronage and take pride in the tradition of quality spas / hot tubs that our company represents.

To properly acquaint yourself with your spa / hot tub, we suggest that you take time to read through this manual before hook up and operation. Doing so will familiarize you with the important operating and safety procedures, thereby ensuring an enjoyable experience right from the start.

If you need any more information than this manual provides, feel free to call your local dealer or visit our web site at www.canada-spa.com. Be Well Canada Spa reserves the right to modify the document without notice. We wish you to enjoy the moments of relaxation in your spa.

⚠ AVIS

This manual was written to ensure the proper use and installation of your spa / hot tub. Any modifications to the procedures outlined in this manual may result in voiding your guarantee.

NOTES:

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MEMORY HELP SHEET

In order to assist you in the installation and maintenance of your spa, please fill in the following information and keep them for future reference.
The warranty of your spa comes into effect on the date of purchase. It is your responsibility to refer to your owner's manual to keep your warranty.

To qualify for the warranty, you will need to provide your spa information to your dealer (refer to the memo card) as well as a photo of the room.

➔ Spa Information

Model : _____

Color : _____

Serial number : _____

Date of purchase : _____

Delivery date: _____

Serial number is located on a data plate outside the cabinet at ground level directly below the topside control panel. When calling for service, please have your serial number on hand.

➔ Retailer

Company : _____

Address: _____

Phone: _____

Contact: _____

SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS
IMPORTANT USER SAFETY INSTRUCTIONS

Your physiological response to hot water is subjective and depends on your age, health, and medical history. If you don't know your tolerance to hot water, or if you get a headache, or become dizzy or nauseous when using your spa / hot tub, get out and cool off immediately.

⚠️ WARNING

1. CHILDREN SHOULD NOT USE SPAS OR HOT TUBS WITHOUT ADULT SUPERVISION.

2. NEVER SIT ON THE VULCANO WHILE OPERATIONAL OR NOT.

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

4. PEOPLE USING MEDICATIONS AND/OR HAVING ANY ADVERSE MEDICAL HISTORY SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR A HOT TUB.

5. PEOPLE WITH INFECTIOUS DISEASES SHOULD NOT USE A SPA OR HOT TUB.

6. TO AVOID INJURY, EXERCISE CARE WHEN ENTERING OR EXITING THE SPA OR HOT TUB.

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

8. PREGNANT OR POSSIBLE PREGNANT WOMEN SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA OR HOT TUB.

9. WATER TEMPERATURE IN EXCESS OF 100°F MAY BE INJURIOUS TO YOUR HEALTH.

10. BEFORE ENTERING THE SPA OR HOT TUB, MEASURE THE WATER TEMPERATURE WITH AN ACCURATE THERMOMETER.

11. DO NOT USE A SPA OR A HOT TUB IMMEDIATELY FOLLOWING STRENUOUS EXERCISE.

12. PROLONGED IMMERSION IN A SPA OR HOT TUB MAY BE INJURIOUS TO YOUR HEALTH.

13. DO NOT PERMIT OR USE ELECTRIC APPLIANCES (SUCH AS LIGHT, TELEPHONE, RADIO OR TELEVISION) WITHIN 1,5M OF THIS SPA OR HOT TUB.

14. CHILDREN SHOULD NOT ENTER A HOT TUB WHERE THE WATER TEMPERATURE EXCEEDS BODY TEMPERATURE (37°C).

15. DO NOT ALLOW CHILDREN TO SUBMERGE THEIR HEAD UNDER WATER.

16. NEVER OPERATE THE HOT TUB PUMP AT HIGH SPEED WITHOUT HAVING ALL SUCTION AND RETURN LINES OPEN.

17. ALWAYS KEEP THE HARDCOVER INSTALLED AND LOCKED WHEN THE HOT TUB IS NOT IN USE.

18. TEST THE GFCI (GROUND FAULT CIRCUIT INTERRUPTER) MONTHLY.

19. POST EMERGENCY PHONE NUMBERS FOR POLICE, FIRE DEPARTMENT, AND AMBULANCE AT THE NEAREST PHONE.

20. TO REDUCE THE RISK OF INJURY

THE WATER IN A SPA SHOULD NEVER EXCEED 40°C.

WATER TEMPERATURES BETWEEN 38°C AND 40°C ARE CONSIDERED SAFE FOR A HEALTHY ADULT. LOWER WATER TEMPERATURES ARE RECOMMENDED FOR YOUNG CHILDREN AND WHEN SPA USE EXCEEDS 10 MINUTES.

SINCE EXCESSIVE WATER TEMPERATURES HAVE A HIGH POTENTIAL FOR CAUSING FETAL DAMAGE DURING THE EARLY MONTHS OF PREGNANCY, PREGNANT OR POSSIBLY PREGNANT WOMEN SHOULD LIMIT SPA WATER TEMPERATURES TO 38°C.

BEFORE ENTERING A SPA, THE USER SHALL MEASURE THE WATER TEMPERATURE SINCE THE TOLERANCE FOR WATER TEMPERATURE REGULATING DEVICES VARIES.

THE USE OF ALCOHOL, DRUGS, OR MEDICATION BEFORE OR DURING SPA USE MAY LEAD TO UNCONSCIOUSNESS, WITH THE POSSIBILITY OF DROWING.

OBESE PERSONS AND PERSONS WITH A HISTORY OF HEART DISEASE, LOW OR HIGH BLOOD PRESSURE, CIRCULATORY SYSTEM PROBLEMS OR DIABETES SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA.

PERSONS USING MEDICATION SHOULD CONSULT A PHYSICIAN BEFORE USING A SPA SINCE SOME MEDICATION MAY INDUCE DROWSINESS WHILE OTHER MEDICATION MAY EFFECT HEART RATE, BLOOD PRESSURE AND CIRCULATION.

IMPORTANT SAVE THESE INSTRUCTIONS

Your physiological response to hot water is subjective and depends on your age, health, and medical history. If you don't know your tolerance to hot water, or if you get a headache, or become dizzy or nauseous when using your hot tub, get out and cool off immediately.

CAUTION

MAINTAIN WATER CHEMISTRY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

WARNING!

NO FLOATER!
NO TRI-CHLOR!

Tri-Chlor is very corrosive to the spa surface - above and below the water - and can affect pumps and jets.

Lucite.SPA | EasyCare
Visit **plaskolite.com** for more information.

DANGER

- RISK OF ACCIDENTAL DROWNING. EXTREME CAUTION MUST BE EXERCISED TO PREVENT UNAUTHORIZED ACCESS BY CHILDREN. TO AVOID ACCIDENTS, ENSURE THAT CHILDREN CAN'T USE THE SPA UNLESS THEY ARE SUPERVISED AT ALL TIMES.
- 2RISK OF INJURY. THE SUCTION FITTINGS IN THIS SPA ARE SIZED TO MATCH THE SPECIFIC WATER FLOW CREATED BY THE PUMP. SHOULD THE NEED ARISE TO REPLACE THE SUCTION FITTINGS OR THE PUMP, BE SURE THAT THE FLOW RATES ARE COMPATIBLE. NEVER OPERATE THE SPA IF THE SUCTION FITTINGS ARE BROKEN OR MISSING. NEVER REPLACE A SUCTION FITTING WITH ONE RATED LESS THAN THE FLOW RATE MARKED ON THE ORIGINAL SUCTION FITTING.
- RISK OF ELECTRIC SHOCK. INSTALL AT LEAST 1.5M FROM ALL METAL SURFACES. AS AN ALTERNATIVE, A SPA MAY BE INSTALLED WITHIN 1.5M OF METAL SURFACES IF EACH METAL SURFACE IS PERMANENTLY CONNECTED BY A MINIMUM 8 AWG (8.4 mm2) SOLID COPPER CONDUCTOR TO THE WIRE CONNECTOR ON THE TERMINAL BOX THAT IS PROVIDED FOR THIS PURPOSE.
- RISK OF ELECTRIC SHOCK. DO NOT PERMIT ANY APPLIANCE, SUCH AS A LIGHT, TELEPHONE, RADIO, OR TELEVISION, WITHIN 1.5M OF THE SPA

HYPERTHERMIA	WARNING
HYPERTHERMIA Since your hot tub can be set to reach temperatures of 40°C, users should be aware that extended submersion in water that exceeds normal body temperature can lead to hyperthermia. The causes, symptoms and effects of hyperthermia may be described as follows: Hyperthermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 37°C. The symptoms of hyperthermia include drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include: **Unawareness of impending hazard; Failure to perceive heat; Failure to recognize the need to exit the hot tub; Physical inability to exit the hot tub; Fetal damage in pregnant woman; Unconsciousness resulting in the danger of drowning** If you sense any of the symptoms of hyperthermia, safely exit the hot tub immediately.	THE USE OF ALCOHOL, DRUGS OR MEDICATION CAN SIGNIFICANTLY INCREASE THE RISK OF FATAL HYPERTHERMIA.

IMPORTANT ELECTRICAL SAFETY INSTRUCTIONS

SAFETY COMES FIRST WHEN INSTALLING & USING THIS ELECTRICAL EQUIPMENT, BASIC
SAFETY PRECAUTIONS MUST ALWAYS BE FOLLOWED!

1. **READ AND FOLLOW ALL INSTRUCTIONS.**

2. Electrical installation must be completed by a qualified electrician in accordance with all National, Regional and Local Codes and Regulations in effect at the time of installation.

3. Connect only to a dedicated circuit protected by a class "A" two-pole ground fault circuit interrupter (GFCI).

4. Use copper conductors only.

5. The hot tub equipment and all electrical plugs, outlets and lights within 1.5m (5 ft) of the unit must be GFCI protected. Consult your electrician or local electrical authority for further details.

6. A green colored terminal or a terminal marked "G", "GR", "Ground", or "Grounding" 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.

7. 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 to these terminals with an insulated or bare copper conductor not smaller than No. 6 AWG (Canada/Europe) / No. 8 AWG (USA).
8. All field installed metal components such as rails, ladders, drains or other similar hardware within 3m (10 ft) of the hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No. 6 AWG.

9. SAVE THESE INSTRUCTIONS.

⚠️ WARNING

This guide is for standard installations where the wire run is 50 ft or less. For longer runs, consult a qualified electrician.

The minimum wire size for systems that require a 40A GFCI (Siemens or similar) is #8/3 conductor with ground. (also referred to as #8 gauge / 4 conductor).
The minimum wire size for systems that require a 50A or 60A GFCI (Siemens or similar) is #6/3 conductor with ground (also referred to a #6 gauge / 4 conductor).

WIRING CHECKS

Safety is paramount when troubleshooting your spa or your spa's control panel. Please take all necessary precautions before starting any repairs. Wiring checks are the first step in ensuring safety and proper operation before you start troubleshooting a system.

⚠️ WIIRING CHECK PRECAUTION

- Never forget that the system box can be under high voltage
- Keep your fingers and hand tools away from wiring or the circuit board while the system is turned on. Touching anything in these areas may be the cause of serious injury.
- All troubleshooting, even minor, should always include a complete wiring check, starting with the main breaker.

CHECK THAT THERE IS NO POOR CONNECTION OR DAMAGED WIRES

- Make sure your power is off before touching the cables
- Once the power is off, check all connections and wires for cuts.

CHECKING THE CABLES OF THE SYSTEM HOUSING

Regardless of the control system, be aware that the cable connections are clearly marked on the main terminal block.
- 30A - copper wire of 2.588mm minimum
- 40A - copper wire of 3,264mm minimum
- 50A - minimum 4,115mm copper wire
The cables must be connected from the main circuit breaker box to the main terminal block via the local circuit breaker. The wiring diagram inside the box is marked TB1

⚠️ IMPORTANT
Using non-copper wires can be dangerous and can also cause your spa to malfunction. If such wires are used, we recommend that you do not repair your spa until an electrician has replaced them with an appropriately sized copper wire.

⚠️ IMPORTANT
This service must be single-phase. Any abnormal voltage reading requires an electrician. Do not try to fix this kind of problem yourself. High voltage can hurt or kill.

CHECKING THE VOLTAGES - CIRCUIT BREAKER / ID BOX

When checking the voltages, remember that the acceptable voltage range is +/- 10% of the normal voltage. The acceptable voltage for a nominal voltage of 230V is thus between 207V and 253V.

⚠️ **IMPORTANT**

The service must be single phase. Any abnormal voltage requires an electrician. Do not try to solve these problems yourself. High voltage can seriously hurt and kill.

CIRCUIT BREAKER VOLTAGE

- Set your multimeter or voltmeter to AC Volts.
- Verify that the ID is disarmed,
- Carefully arm the spa circuit breaker.
- Check the voltage between the blue and brown wires of the main circuit breaker. Your meter should give a reading of 230V.
- Check the voltage between the brown and green ground wires. It should read 230V.
- The voltage between the neutral blue wire and the green ground wire should be close to 0. ID INPUT

VOLTAGE - 230V DEDICATED SYSTEM

- Verify that the spa breaker (located in the main breaker box) is armed.
- Verify that the ID is disarmed.
- Test the blue and brown threads. The meter should read 230V.
- Test the blue and brown threads. The meter should also indicate 230V
- Test the blue and green wires. The meter should read 0V.
- Test the brown and green ground wires. The meter should read 230V.
- Arm the ID before approaching the system box.

ID OUTPUT VOLTAGE - DEDICATED 230V SYSTEM
- Check that the main circuit breaker is armed.
- Check that the differential switch is closed.
- Check that the voltage between the blue and brown wire at the neutral output voltage is 230V.
- Check that the voltage between the brown wire and the green ground wire is also 230V.
- Check the peak load voltages again.

⚠️ IMPORTANT

If the voltage is not within the acceptable range, call an electrician or the local power company to diagnose the problem.

CHECKING THE SYSTEM HOUSING (TBI) - CHECKING THE 230V DEDICATED SYSTEM
- Verify that the ID is armed.
- Check that the voltage between the blue and brown wires is 230V.
- Check that the voltage between the blue wire and the green ground wire is 0V.
- Check that the voltage between the brown and green ground wires is also 230V.
- Check the peak load voltages again. *

* Checking under peak load is important. To get a peak charge, turn everything on: blower, heater, lighting and all pumps. The peak load for the 230V system is verified by verifying that the voltage between the blue and brown wires is between 207 and 253V.

WIRING CHECK FOR SERVICE ID / DISCONNECT

⚠ IMPORTANT

Most regional codes state that a breaker box (an ID may be for this purpose) must be located at least 1.5m from the spa and has a convenient location near the equipment compartment. If it is not fully visible, the disconnect must be padlocked when it is in the off position.

PRECAUTIONS

- In most areas, IDs are required for spa installations. In other regions, IDs are recommended but not mandatory.
- If the spa you are troubleshooting does not have an ID, strongly recommend that your customer install one to improve security and comply with valid standards.

⚠ IMPORTANT

Remember that high voltage is still present at the main breakout box even though you have stopped the spa breaker.

WIRING CHECK INPUT ID

- Locate and disarm the appropriate circuit breaker.
- Remove the main breaker box cover.
- Check the circuit breaker box for the amperage class of the main service.

In general, a main circuit requires a capacity of at least 100 A when a spa is installed.

- At the circuit breaker, locate the brown charging wire and the blue neutral wire
- At the neutral bar of the ID, locate the blue neutral charge wire and the green ground wire.
- Make sure all three wires are coming out of the main breaker through a line that leads to the ID box. The brown must be connected to the input voltage of the ID. Blue must be connected to the neutral input.

ID OUTPUT WIRING CHECK FOR 230V DEDICATED SYSTEM (3-WIRE SYSTEM, INCLUDING GROUND WIRE)

The brown wire must be connected to the output voltage, and the blue wire to the neutral output. All the wires come out of the box in a pipe that goes to the control system of the spa. Once you have found that all the wires are properly installed, start checking the voltages.

BREAKER

SAFETY SIGN

Safety Sign Must Be Posted – The orange **WARNING** sign like the one shown is packed with your new spa/hot tub. This sign must be posted in a prominent place in close proximity to the spa installation site immediately upon completion of spa installation.

WARNING

REDUCE THE RISK OF ELECTROCUTION

1 -NEVER PLACE AN ELECTRIC APPLIANCE WITHIN 5 FEET OF SPA.

REDUCE THE RISK CHILD DROWNING

1 – SUPERVISE CHILDREN AT ALL TIMES.
2 – ATTACH SPA COVER AFTER EACH USE.

REDUCE THE RISK OF OVERHEATING

1 – CHECK WITH A DOCTOR BEFORE USE IF PREGNANT, DIABETIC
    IN POOR HEALTH OR UNDER MEDICAL CARE.
2 – EXIT IMMEDIATELY IF UNCONFORTABLE, DIZZY OR SLEEPY.
    SPA HEAT CAN CAUSE HYPERTHERMIA AND UNCONSCIOUSNESS.
3 – SPA HEAT IN CONJUNCTION WITH ALCOHOL, DRUGS OR
    MEDICATION CAN CAUSE UNCONSCIOUSNESS.

WHEN PREGNANT, soaking in hot water for long periods can harm your fetus. measure water temperature before entering

1 – DO NOT ENTER SPA IF WATER IS HOTTER THAN 100F.
2 – DO NOT STAY IN SPA FOR LONGER THAN 10 MINUTES.

FOR ADDITIONAL OR REPLACEMENT COPIES OF THIS SAFETY SIGN,
CONTACT YOUR RETAILER.

Important: It is extremely important that this sign be permanently placed in clear view of persons using the spa / hot tub. Occasional spa / hot tub users may not be aware of some of the dangers hot water poses to pregnant women, small children, seniors, and people under the influence of alcohol. If you did not receive a warning sign or your sign has become damaged, please call your local dealer for a replacement.

LOCATION AND INSTALLATION

Proper planning is an important consideration when installing your new spa / hot tub. Site selection is a critical step and requires serious thought. Planning ahead makes the installation process easier. The following information is provided to assist you in site preparation.

1. Always comply with local building codes and obtain any necessary permits. You may also need to consult with an engineer to address your specific design needs.

2. Contact an electrician to assess your electrical needs, install wiring, and assure a safe operation.

3. Position your spa / hot tub with proper access to water, drainage, and electricity.

4. Place your spa / hot tub on a uniform solid, flat surface designed to properly support its weight. For external installations, a 4-inch thick cement pad suffices.

5. For internal installations, check the load carrying capabilities of the floor on which the spa will reside. Most homes meet the requirement of 250 pounds per square foot.

6. Assure that your spa / hot tub will fit into the space you have chosen and the delivery route will accommodate its large size.

7. Provide adequate ventilation for the humidity created by your spa / hot tub. In most cases, the Color Coordinated Cover is sufficient.

8. Protect the pump and all equipment from the weather by ensuring the cabinet panels are secure at all times.

9. Allow 36 inches of unobstructed access to all sides of your spa / hot tub for normal servicing. Your spa / hot tub is not designed to be recessed in the ground or in a deck.

10. Consider positioning your spa / hot tub out of or adequately protecting it from the wind. Just as people can get cold on cool / windy days so can your spa / hot tub. Windy environments can significantly increase operating costs.

11. Consider using an insulating pad. In cold climates, the ground can rob heat from the spa / hot tub and increase your operating costs. Consider using a suitable, outdoor insulating pad in such environments.

Figure 1 - Space Required (Clearance) and Support

SITE PREPARATION

ABOVE-GROUND INSTALLATIONS

Where the hot tub is a "stand-alone" above-ground installation to be installed in regions where freeze/thaw conditions may occur, a level patio stone or pre-formed paver type base may be sufficient if there is no abutting deck(s) that could be damaged during potential seasonal movement of the ground. The potential drawback to this type of base is that splash water could eventually de-stabilize the ground under the base, with the resultant shift of the support base causing damage to the hot tub structure.
For best results, we recommend the installation of a level concrete pad:
• **Dig out and level the ground 20-30 cm (8-12 in.) below your desired base level**
• **Install 10-15 cm (4-6 in.) of crushed stone**
• **Next, install 10-15 cm (4-6 in.) of poured concrete**
• **Level the concrete and apply a broom-type finish**
• **We recommend that the pad be made 15 cm (6 in.) larger than the hot tub on three sides, and 1 m (3 ft.) larger on the side where the access steps and/or planters will be installed.**
• **Hot tub/swimspa must be installed on a level pad**
In regions where freeze/thaw occurs, or where there will be custom decking abutting the hot tub we recommend the installation of sono-tubes beneath the pad to prevent shifting.

IN-GROUND & PARTIAL IN-GROUND INSTALLATIONS

For units being installed fully or partially in the ground, the type of support will again vary based on whether or not the tub is being installed in an area with freeze/thaw conditions. We don't recommend back-filling full in-ground or partial in-ground installations.
- Non-freezing climates – it is sufficient to ensure that the base of the hole or cavity created for the tub has a dry, stable, compacted level base and proper drainage.
- Climates where freeze/thaw occurs – it is necessary that a poured level reinforced concrete base, complete with concrete footings, be installed as outlined in the section **ABOVEGROUND INSTALLATIONS.**
Areas with a high ground water table – a level concrete base, as well as a concrete or wood retaining wall to hold back the earth, is recommended. This forms a box or 'bunker', in which the hot tub is placed.
- **ALWAYS** ensure that there is good drainage, via a properly designed French drain (gravel) system and/or a sump pump, to prevent ground water flooding damage to the support equipment or hot tub structure.
- Install protective waterproof conduit to house any cables that will be buried.
- Access for future service must be considered at the time of design and installation. You must be able to access all sides and areas of your hot tub. Difficult access will result in supplemental service labor charges not covered by the factory warranty. Consider easily removable deck materials.
- Make sure the hot tub or swim spa is tested for 48 hours before you prepare the installation of the surrounding/finish deck around your hot tub. Even though all units are tested in our plant, some transport/site handling damage can occur and we suggest you make sure the tub is perfectly waterproof before finalizing your installation.

FILLING

- When adding water for the first time, the hot tub should be filled through the skimmer opening (helps to prevent air locks) using a standard garden hose, turning the tap on slowly to prevent damage to the surface by a jerking hose connection.
- Fill the hot tub to the recommended level, approximately just under the pillow.

CHECKING

- Although your hot tub was thoroughly water-tested in the factory, some loosening of fittings can occur during shipping. Before any decking, tiling or carpeting is completed around the installation, fill and operate your hot tub to test for leaks (this ensures easy access and inexpensive correction). Check all union connections and plumbing for minor leaks. In the event of a leak, ensure all union connections and pump plugs are tight and all O-rings/gaskets are in place.

STARTING

- Before applying voltage to power-up your hot tub, it is very important that you understand the sequence of events that occur when the system is activated in order that the pump can be primed efficiently and damage to the system can be avoided.
- Turn the main power "on" at your electrical panel.
- Follow the control instructions for your particular model hot tub.

PROCEDURE - STARTING UP THE SPA

1 Slide the front panel up;

2 Remove the drawer;
Put the disinfectant rollers in the basket;

3 Replace the drawer;
Slide the cover down;

WARNING!

NO FLOATER!
NO TRI-CHLOR!

Tri-Chlor is very corrosive to the spa surface - above and below the water - and can affect pumps and jets.

Lucite.SPA | *EasyCare*
Visit **plaskolite.com** for more information.

HOT TUB WATER BALANCE – GENERAL OVERVIEW

NOTABLE POINTS

• The reliability and longevity of your hot tub support equipment are directly related to how well water quality is maintained!

• The small volume of water in your hot tub is easily affected by the introduction of oils, lotions, perspiration and chemicals. It is imperative that you give your hot tub regular attention to maintain clean, safe and balanced water to prevent premature damage and/or failure (corrosion/calcification) to the support equipment.

Maintaining proper hot tub water balance and sanitizer levels is extremely important. Neglected hot water will allow bacteria to quickly spread.

• The mineral content of hot tub water increases due to water evaporation, sanitizers and other chemicals. If the mineral concentration, particularly calcium, becomes too high, the minerals will literally "drop" or precipitate out of the water and deposit on the hot tub walls, plumbing, jets, in the filter and on the heater element.

• It is very important that pH be checked frequently and maintained in the recommended range as indicated in the chart **WATER BALANCE SUMMARY FOR YOUR HOT TUB**

• It is also very important that Total Alkalinity (the ability of the water to resist a change in pH) be maintained in the recommended range as indicated in the chart **WATER BALANCE SUMMARY FOR YOUR HOT TUB**

• Although there may be two identical hot tub models right next door to each other, the maintenance requirements will be different, dependant on such factors as:

– bather load
– frequency of use/quantity of bathers
– different body chemistry
– sun vs. shade
– temperature

For these reasons, it is very important to develop proper hot tub water maintenance habits and follow your retailer's recommended water maintenance procedures.

SAFETY INSTRUCTIONS FOR PRODUCTS

 WARNING

CHEMICAL HANDLING SAFETY HINTS INITIAL WATER FILL & BALANCE

- Never pre-mix chemicals with each other prior to adding to hot tub water.
- Add only one chemical to the water at a time.
- Always add chemicals to water and not vice-versa.
- Chemicals may be corrosive, so handle with care and store in a cool dark place.
- Never smoke near chemicals as most are flammable
- Ensure any spilled chemicals are carefully cleaned up immediately.
- Always have the POISON CONTROL telephone number handy in the event of an emergency.
- Keep chemicals out of children 's reach
- Wear safety glasses and gloves when handling chemicals.

INITIAL WATER FILL & BALANCE
1 Make sure the hot tub water is circulating and above 20°C (68°F)
2 Add a sequestrant (stain and scale controller). Allow water to circulate for an hour before adding anything else to the hot tub water.
3 Add a Shock / oxidizing agents.
4 Add sanitizing tablets (Bromine or Chlorine)

The ideal water level is right under the headrests.	It is important to check that there is always one (or two) cartridge (s) in the skimmer and that it is well screwed.

LEXIQUE

DEFOAMER – removes foam build-up from the water surface. At best, this is a temporary remedy, as excessive foam is merely a symptom of improper water balance (typically high organic residue and/or high pH).

SEQUESTERANTS (STAIN AND SCALE CONTROLLERS) – keeps dissolved metals and minerals in the water from attacking the hot tub shell and support equipment components.

TOTAL ALKALINITY (TA) – the amount of carbonate, bicarbonate and hydroxide compounds present in the water that deter mines the ability or capacity of the water to resist change in pH. Also known as the 'buffering' capacity.

BROMAMINES – are formed when bromine destroys nitrogen-bearing organic matter. Unlike chloramines, bromamines don't cause eye irritation, however, when allowed to go unchecked, will cause an objectionable odour.

TWO-PART BROMINE – composed of a liquid or powder component introduced manually into the water on a weekly basis, and a granular component that is added daily or as the hot tub is used.

ONE-PART BROMINE – also available in puck/tablet form, is another type of oxidant/biocidal agent, and is introduced into the hot tub water via a brominator. Recommended bromine residual level is 3.0 to 5.0 ppm

CHLORINE – in granular, liquid or puck/tablet form, is an oxidant and biocidal agent. It is very effective and fast acting. Recommended chlorine residual level is 3.0 to 5.0 ppm.

CHLORAMINES – a compound formed when chlorine combines with nitrogen or ammonia present in the water. When allowed to go unchecked, it causes eye and skin irritation and is indicated by a strong chlorine odor.

SHOCK – the practice of adding an oxidizing agent to hot tub water to destroy ammonia, nitrogenous and organic contaminants (chloramines and bromamines).

CALCIUM HARDNESS – the calcium portion of the total alkalinity which represents 70 to 75% of total hardness. Calcium concentrations determine whether water is 'soft' - too little calcium, or 'hard' - too much calcium.

TOTAL DISSOLVED SOLIDS (TDS) – a measure of the total amount of dissolved matter in the water (calcium, carbonates, bicarbonates, magnesium, metallic compounds, etc.)

PPM – abbreviation for 'parts per million', the unit of measurement used in chemical testing which indicates the parts by weight in relation to one million parts by weight of water. Essentially identical to the term mg/L - milligrams per liter.

CARTRIDGE FILTER CLEANER – degreases and cleans cartridge filters.

OZONATOR – generates Ozone (a gaseous molecule composed of 3 atoms of oxygen) and is injected into the hot tub water for the oxidation of water contaminants.

pH – a logarithmic value expressing the relative acidity or basicity of a substance (such as hot tub water) as indicated by the hydrogen ion concentration. pH is expressed as a number on a scale of 0 to 14, where 0 is most acidic, 1 to 7 being acidic, 7 considered neutral, 7 to 14 being basic, and 14 being most basic. The ideal range for hot tub water is 7.4 to 7.6 ppm

pH DECREASER – lowers the pH level of the water.

ALKALINITY BOOSTER – raises the alkalinity.

SOLUTION DE HAUSSE DU CALCIUM – hausse le niveau de calcium.

pH INCREASER – raises the pH level of the water.

TEST KIT – used to monitor specific chemical residual or demands in the water. May be in the form of litmus strips or liquid drops.

WATER BALANCE SUMMARY FOR YOUR HOT TUB*

SANITIZER (ppm)	MIN	IDEAL	MAX
Chlorine	1.0	3.0 - 5.0	5.0
Bromine	2.0	6.0 - 10.0	10.0
CHEMICAL			
PH	7.2	7.4 - 7.6	7.8
Total Alkalinity (TA)	80	80 - 120	180
Calcium Hardness	150	200 - 400	500 -1000

***National Spa & Pool Institute recommended levels for residential spas/hot tubs**

CONTROL ACCESSORIES

⬇ Air venturi

The Be Well Spa in the Executive Series is equipped with one (1) or more VENTURI jets.

- These settings jets will allow you to control the flow of water or air delivered by your nozzles.
- The toning massages provided by the venturi jets allow a fast and lasting relaxation of the muscles.

⬇ Divator valve

The Be Well of the Executive Series spas are equipped with a 3-way valve (except the E680 models) that can control 1 seat up to 7 seats. The three (3) valve lets you share your jets in each seat. Reversing the flow of water is possible at the deviation chute installed in your spa.

⬇ Waterfall control

The controller has an ON and OFF position. When you turn the joystick to ON, the waterfall will start working.

⬇ Jet Vulcano control

Be Well spas equipped with a Vulcano jet is controlled by the 3-way valves. The deviator valve allows to activate or not the Vulcano jet. **Never sit on the Vulcano while operational or not.**

Air valve

Waterfall control

Vulcano jet

Deviator valve

WATER BALANCE TROUBLESHOOTING

PROBLEMS	POSSIBLE CAUSES	SOLUTIONS
Cloudy water	Dirty filters Microscipic particles too small to filter Too old water	Clean the filters. Test and adjust all water balance elements and add flocculent to cause the particles to combine together so they can be filtered out. Increase filter cycle time. Empty the spa and refill it.
Smelly water	Excessive presence of organic matter in the water	Shock the spa water with a disinfectant and adjust the pH. If the problem persists, empty, clean and fill the spa.
Tinted water	Copper, iron or other dissolved metals from the water source or equipment	Add an algicide
Algae formation	PH level too high Level of disinfectant insufficient	Shock the spa water with a disinfectant and adjust the pH. Shock the spa water with a disinfectant and maintain the level of disinfectant.
Eye / skin irritation	pH too low	Add a pH Booster until level is 7.2 - 7.6
Excessive Foam	Buildup of body oils or cosmetics	If no water line is present you can try using defoamer to break up the contaminants and then a clarifier* to help filter them away. If a water line is present the spa may need to be drained and cleaned. Either way, the filter should be thoroughly cleaned by soaking over night in bleach. An oil absorbing sponge can help in preventing this in the future. Increase filter cycle time.
Organic / moldy accumulation around the spa	Accumulation of oil and dust	Wipe the foam with a clean cloth. If necessary empty the spa, use a spa surface cleaner to remove foam and refill the spa.
Corrosion/Etching	Presence of metals in water (iron, copper, …)	Test total alkalinity levels and if necessary increase with sodium bicarbonate.
Discoloured Water (Clear v. turbid water)	Presence of metals in water (iron, copper, …)	Treat with chelating or sequestering agent.
Unstable pH	Low Total Alkalinity levels	Test total alkalinity levels and if necessary increase with sodium bicarbonate
pH resistant to changing	High Total Alkalinity levels	Test total alkalinity levels and if necessary decrease with sodium bisulfate or muriatic acid.

ROUTINE HOT TUB MAINTENANCE

Tip: Check with your insurer that your spa is an insurable.

REVIEW CHEMICAL HANDLING SAFETY HINTS DAILY

EVERY DAY OR AT LEAST 3 TIMES A WEEK
1 Test water, and if necessary, add shock.
2 Ensure proper water level is maintained.

WEEKLY
1 Test pH and Alkalinity. Adjust accordingly
2 Top-up chemical dispenser
3 Add sequesterant (stain and scale controller)
4 Remove and spray cartridge filter with garden hose and reinstall
5 Add Shock / oxidizing agent

MONTHLY
Soak your filter cartridge in a filter cartridge cleaning solution.
Rinse thoroughly and, if possible, allow to dry before re-installing.

QUARTERLY
Drain hot tub at least once per quarter and clean the acrylic shell surface with a non-abrasive cleaner designed specifically for acrylic surfaces.

CHANGING THE HOT TUB WATER
A hot tub should be drained every 8-12 weeks, depending on size and amount of use. If your hot tub is used daily or by a large number of bathers, the water should be drained more often. One method to determine the approximate length of time between water changes is to divide the water volume (in liters) of your hot tub by 13.5 and then divide by the average number of bathers each day.

COVER
When the spa is not in use, it must be covered by its cover which is to be locked, in order to render the spa safe and keep the heat of the water.

CLOSING PROCEDURE

If you choose not to use your spa during the winter, you must continue to maintain it until closing. Keeping the water clean longer helps to minimize dirt build-up and bacteria formation and thus avoid any risk of possible contamination.

To protect the equipment from frost and keep the water clear, never stop the filtration system before closing the spa.

⬇ Procedure

1. First, operate the pumps and pour two (2) cups of bleach into the spa. Run the pumps for 1 hour (restart them when they go out).
2. Disconnect power from the spa.
3. Drain the spa using one of the following methods: By gravity, using the drain hose or with a submersible pump.
4. Remove the cartridge (s) from the skimmer and rinse with clean water. Soak them in the cleaning product. Rinse them and let them air dry.
5. Store them for the winter. If they are no longer good, please take the information on the cartridge, such as the size, and take pictures of them before throwing them away.
6. Remove all adjustable jets.
7. Leave the head restraints in place. Clean the shell with an acrylic cleaner.
8. Make sure that the guillotine valves on each side of the heating element and in front of the pumps are open.
If you have an In.Clear system in the spa, see the cleaning section in the In Clear manual.

⬇ Drainage of piping

You must use a vacuum cleaner or blower to close properly. Blow into all the hoses to properly drain the jets. You must do it at least 2 times for each pipe. Vacuum the remaining water at the bottom of the spa with the vacuum cleaner.

⬇ Valves of waterfalls and throws

Unscrew the on / off valves and remove the o-rings and the pivot. Blow into the valves using the cone of the blower until all the water has come out of the falls and neck throws. Reinstall o-rings, taking care to lubricate them. Close the valve. Vacuum the remaining water at the bottom of the spa with the vacuum cleaner. Vacuum the drain drain from the spa for about 1 to 2 minutes. Vacuum each body of jets at least twice with the vacuum cleaner. Aspirate skimmer orifices and drains. Do not forget to put the skirt panels back in place and screw them tight.

Close the circuit breaker outside (GFCI or DCI) and inside the house (electrical panel). Dry the hull. Pour non-toxic antifreeze into each hole of the skimmer until the antifreeze exits through the drains inside the spa. Add 1/2 cup of non-toxic antifreeze in each of the jets. Clean the spa cover with the cover cleaner and let it dry. Place the lid on the top of the spa. You can cover the spa with a polyethylene canvas and make sure everything is well fastened to face the winter. Leave space between the fabric and the spa skirt to prevent moisture build-up.

KEYPAD IN. K1000

in.k1000 keypad layout

all-on or all-off key
(one touch activation)

mode selection
wheel (settings and
accessories)

interactive display icons
(main spa functions)

direct to function
selection wheel
(settings and
additional options)

on-screen
system messages
and reminders

Sleep mode

Touch the screen to exit sleep mode. 3 minutes after the last pump is turned off, the screen will shut off if there is no touch activity.

Then Follow the instructions on the screen to access the main screen.
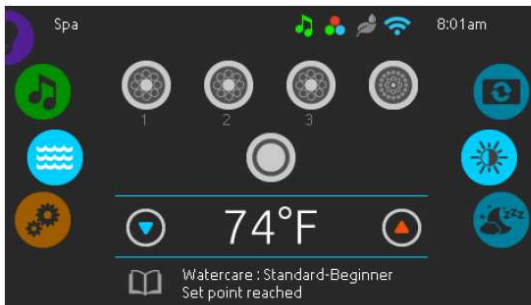
Main screen

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.
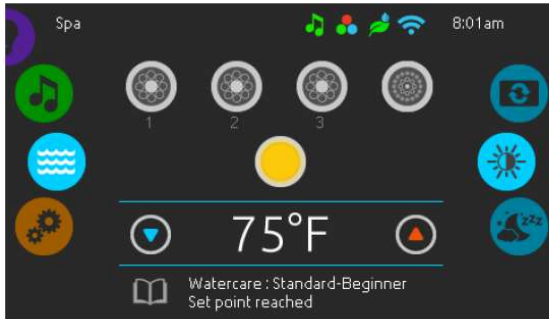
Start or stop accessories

To start or stop an accessory, touch the associated icon. Icons will become animated when their accessory is turned on and animation will stop 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 one speed press the button until it reaches the desired speed.
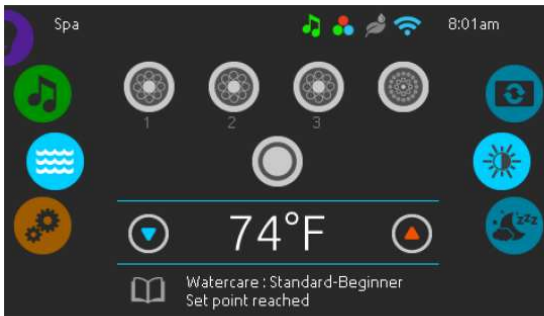
Notifications

A notification area at the top right-hand side of the screen shows the state of certain installed accessories.

Notification icons

in.touch:
- Indicates that the in.touch module is detected and connected to a Wi-Fi network.
- A red cross indicates that the in.touch module is detected but is not connected to a Wi-Fi network.
- An animated icon indicates that the in.touch module is connecting to a Wi-Fi network.

For more information about the in.touch, refer to the Wi-Fi section.

in.clear:
- The icon is green when the in.clear is generating bromine.
- The icon is grey when the in.clear is not generating bromine.
- A red cross indicates that the in.clear is turned off.

For more information about the in.clear, refer to the in.clear functions section.

in.stream 2:
- The icon is green when the in.stream 2 is on.
- A red cross indicates that the in.stream 2 is turned off.

For more information about the in.stream 2, refer to the in.stream 2 functions section.

in.mix:
- Indicates that an in.mix system is detected.

For more information about the in.mix system, refer to the in.mix functions section.

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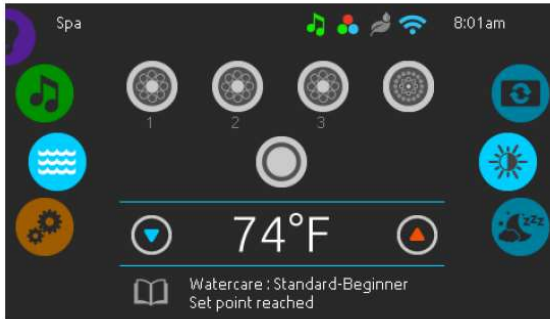
Water temperature

The temperature shown at the bottom of the screen indicates the current water temperature. Use the Up and Down icons to set the desired temperature. The set point will appear in blue. After 3 seconds without any change to the set temperature value the current water temperature will reappear in white.

When the set value is lower than the current temperature *Cooling to xx.x* will appear below. When the set value is higher than the current temperature, *Heating to xx.x* will be indicated under the value.
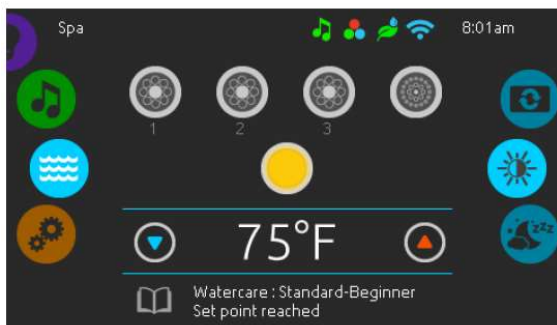
Spa menu

From the home page you can access the following:
- *in.clear (if installed)*
- *in.stream 2 (if installed)*
- *in.mix (if installed)*
- *Spa menu*
- *Settings*

To select an option, slide the left wheel up or down until the desired icon menu is highlighted in the middle.

On the right side is a menu for access to the Display and Contrast pages.
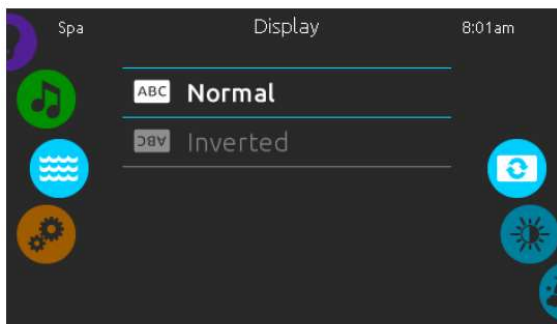
Display page

Use this page to change the display orientation.
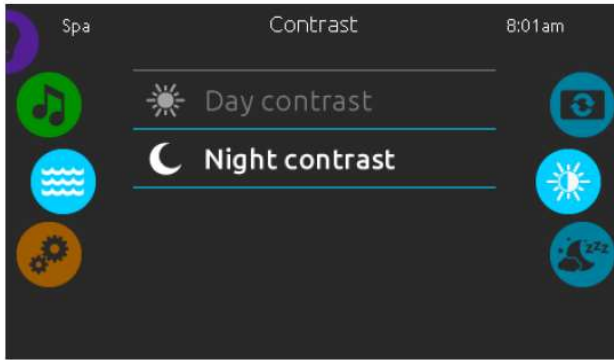
Contrast page

Use this page to change the display contrast.
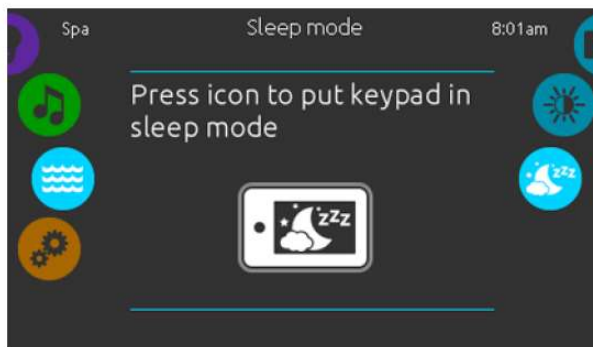
Sleep

Press key to go directly into the sleep mode. In sleep mode, water splashing on the keypad can't inadvertently start/stop a pump.
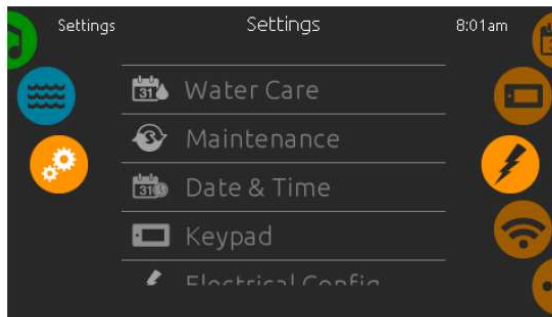
Settings

In the Settings page you can access the following:

- *WaterCare*
- *Maintenance*
- *Date & Time*
- *Keypad*
- *Electrical Config*
- *Wi-Fi*
- *Miscellaneous*
- *About*

To select an item, slide the right wheel until the desired icon is highlighted in the middle or press on the menu name.
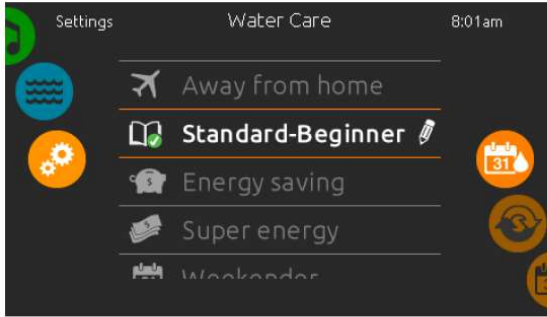
Water Care

The Water Care page will help you set up your ideal filtration and heating settings. Choose between *Away from Home, Standard-Beginner, Energy Savings, Super Energy* and *Weekender,* depending on your need. Touch the Water Care name to choose your setting. A green checkmark will appear on the selected icon to confirm your choice.

When you select another water care setting, a confirmation window appears to prevent inadvertent selection that could result in a setup modification for your spa.

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.

The filtration schedule shown on the in.k1000 screen will apply to the main filtration pump, most likely pump 1. 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.

* Default pack value

Water care modes

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

Standard-Beginner:
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 Savings:
The spa will always be 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.

modifying water care schedules
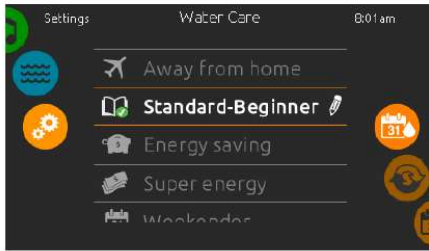
water care

To modify a Water care category, touch the pen icon at the right end of the desired water care to open the selected Water Care menu.

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.

The filtration schedule show on the screen will be applied to the main filtration pump, most likely pump 1. 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 fix number of minutes, therefore the duration will be set to N/A on the screen, and only the start time can be modified.

economy

Touch the Economy tab to change the economy schedule. You can add economy schedules by touching the orange line labelled "Add Economy" .

To delete a schedule, touch the garbage can icon at the right end of the desired line.
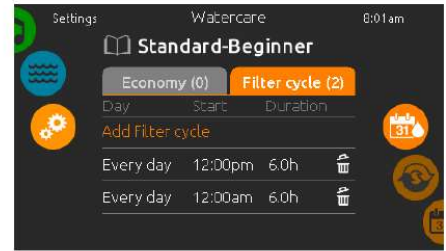
filter cycles

Touch the Filter cycle tab to change the filter cycle schedules. You can add filtration schedules by touching the orange line labelled "Add filter cycle" .

To delete a schedule, touch the garbage can icon at the right end of the desired line.
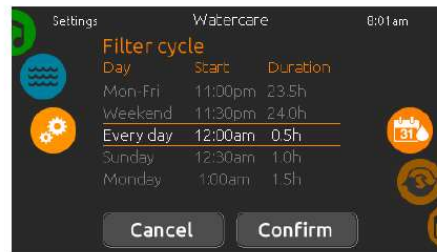
You can modify the programmed schedules by selecting one and adjusting the schedule.

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, press "Confirm". If you don't want to keep any changes, press "Cancel" or use the calendar icon to go back.
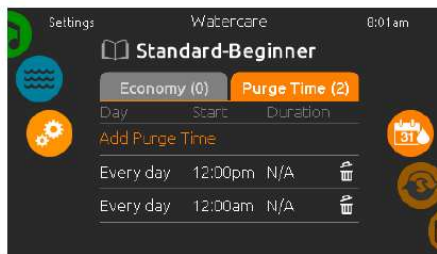
purges

Touch the Purge tab to change the purge settings. You can add purges by touching the orange line labelled "Add purge time".

To delete a schedule, touch the garbage can icon at the right end of the desired line.
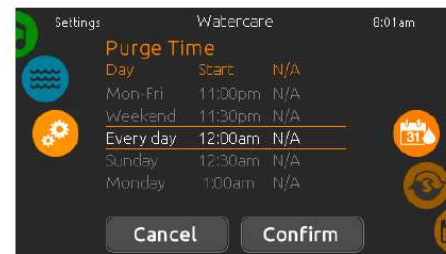
You can modify the programmed purges by selecting one and adjusting the schedule.

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 purge, press "Confirm". If you don't want to keep changes, press "Cancel" or the calendar icon.
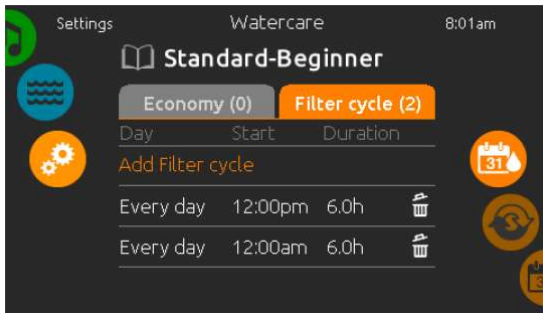
Modifying schedules

To modify a Water Care category, touch the pen icon at the right end of the desired Water Care to open the selected Water Care menu.

Touch the Economy tab to change the economy setting and Filter cycle tab for the filtration settings (or schedules). You can add economy or filtration schedules by touching the orange line labelled« Add Filter cycle » or "Add Economy cycle".

To delete a schedule, touch the garbage can icon at the right end of the desired line. Confirm your action when prompted.

You can modify the programmed schedules by selecting one and adjusting the schedule.

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. When changes are done, press "confirm". If you don't want to keep any changes, press "cancel" or use the calendar icon to go back. Ensure that you have selected the desired Water Care mode in the main Water Care menu.
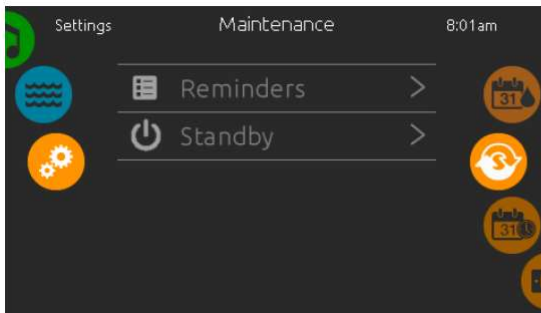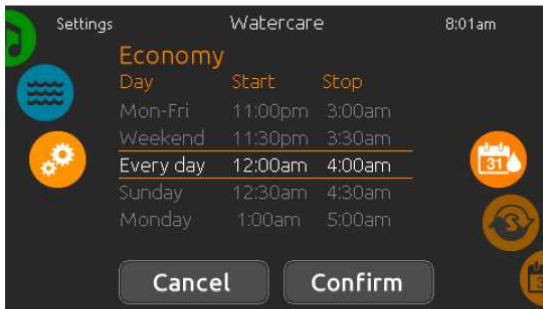
Maintenance

From the Maintenance page you can access the following:

• Reminders
• Standby

To acces the desired option simply touch the corresponding menu item.
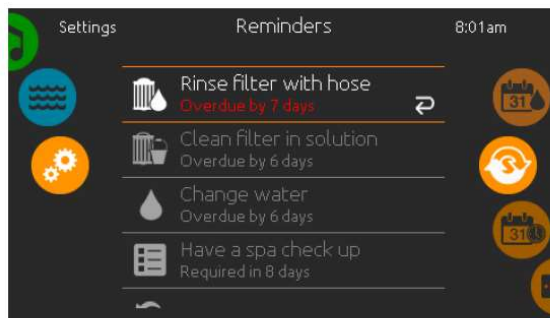
Reminders

The in.k1000 keypad will provide reminders about maintenance required on your spa, like rinsing or cleaning the filter. Every task has its own duration based on normal use.

The Reminders menu allows you to check the time left before maintenance is required, as well as to reset the time once a task has been completed.

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

You can also use the option *Reset Reminders* to reset all the reminders.
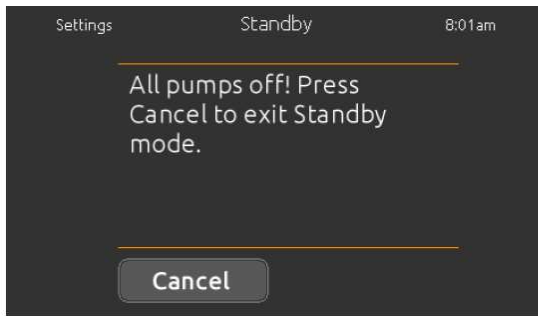
Standby

The Standby mode allows you to service your spa. Pumps will stop for 30 minutes and will automatically restart after.

The normal page will return at the end, once the pumps will be restarted.
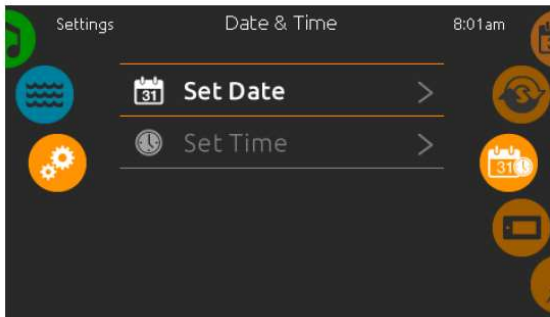
Date and Time

Use this page to change Date/Time settings.

Set date

Here you can adjust the year, month and day.

Simply swipe up and down the column you want to change and select the desired value. When you are done, touch the calendar icon at the right of the screen.
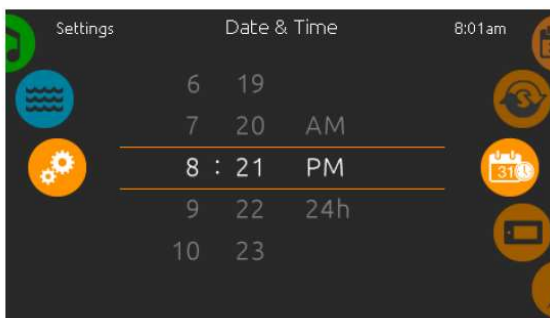
Set time

Here you can change the hour, minute and time format.

Simply swipe up and down the column you want to change and select the desired value. When done, touch the calendar icon at the right of the screen.
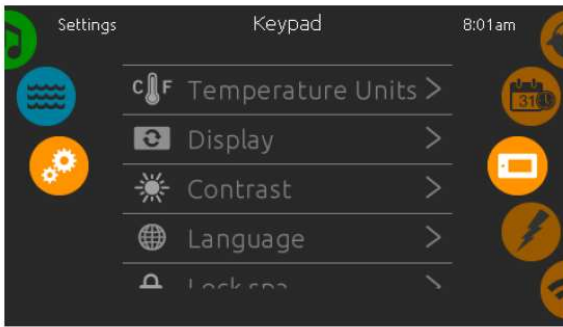
Keypad settings

In the keypads page you can access the following:

- *Temperature units*
- *Display*
- *Contrast*
- *Language*
- *Lock spa (optional)*
- *Keypad color (optional)*

To select an item, slide the right wheel until the desired icon is highlighted in the middle or press on the menu name.

Temperature units

Choose the desired units to display temperatures.
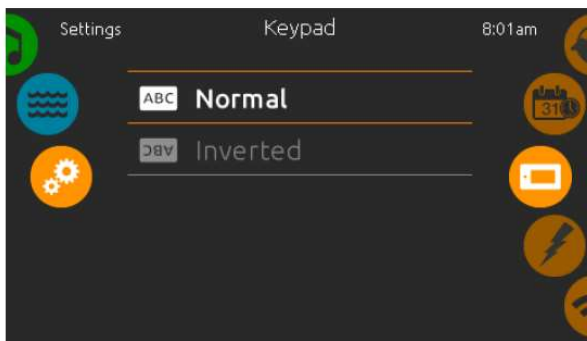
Display page

Use this page to change the display orientation.
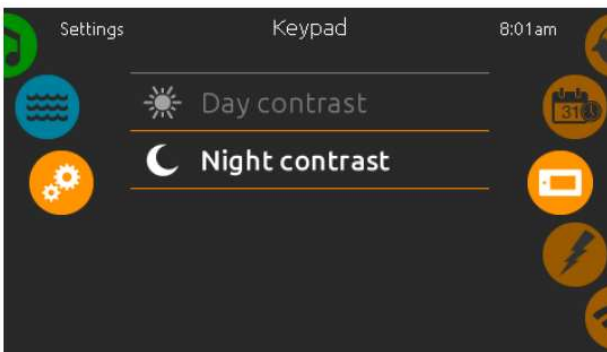
Contrast page

Use this page to change the keypad contrast.
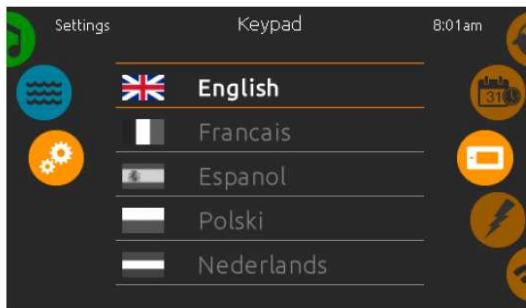
Language s elect

Use this page to select the display language of the in.k1000 keypad.
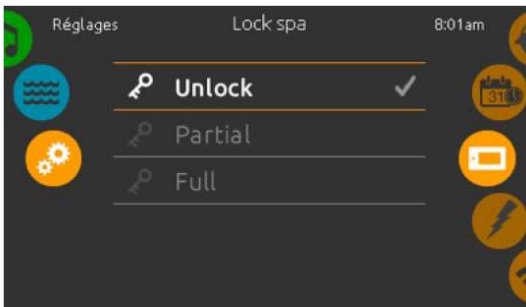
Keypad lock/unlock (optional)

When this option is enabled, the user can partially or completely lock the keypad. When the user wants to lock the keypad he is asked to select a 4-digit code. The same code will be needed to unlock the keypad. Next time he wants to lock the keypad, he will be prompted again to select a 4-digit code (same functionality as a Safe in a hotel room).

The keypad can be unlocked with a universal unlock code (3732) or by a reset of the keypad.
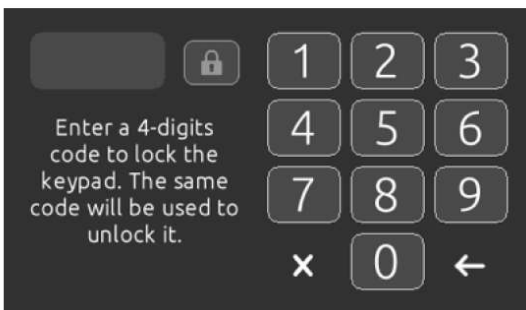
When Full Lock is selected, all functions are locked.

In Partial Lock, you may only activate accessories. Settings may not be changed in this mode.
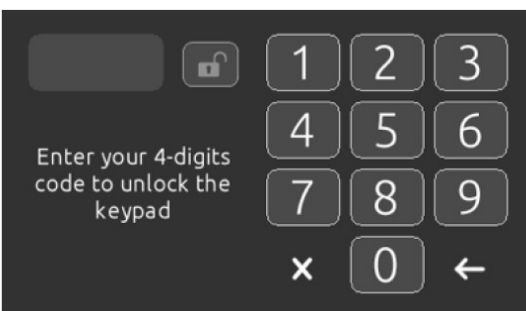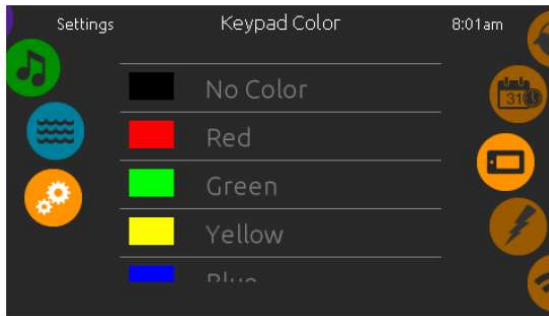
Keypad Color (optional)

If this option is available (depending on the spa configuration), the keypad rim color can be changed. 8 pre-defined colors are available. If the in.mix is installed, the keypad rim color can also be associated to an in.mix zone.
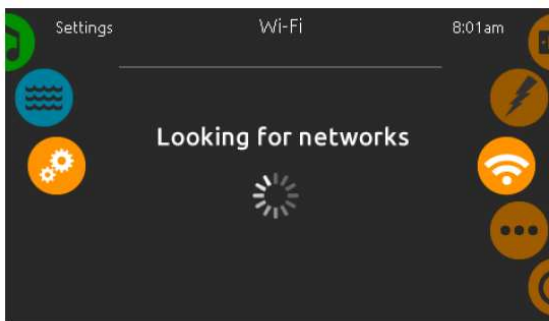
Wi-Fi (in.touch)

This page allows you to connect your in.touch module to a Wi-Fi network or to change its network.

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

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

Swipe Up or Down the list to select your network. If the Wi-Fi network is password protected, enter it when prompted.

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

Once the in.touch module is connected to a Wi-Fi network, a green check mark will appear in the Wi-Fi menu and the network name will appear in the *Settings* menu.
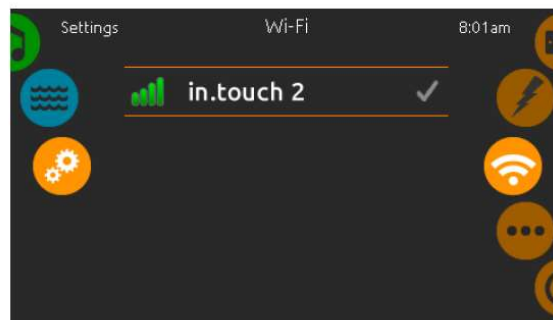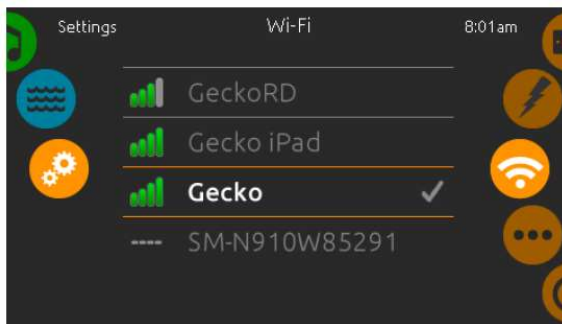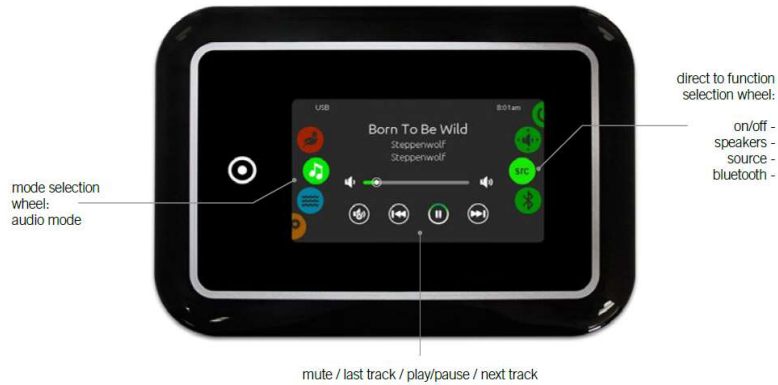
Wi-Fi (in.touch 2)

When a in.touch 2 is detected, this network will appear.

audio mode

(only available if the system detects a connected in.stream 2 audio station)

mode selection
wheel:
audio mode

direct to function
selection wheel:

on/off -
speakers -
source -
bluetooth -

mute / last track / play/pause / next track

To select the audio mode, slide the left wheel up or down until the audio icon menu is highlighted in the middle.

In the Audio page you can access the following:

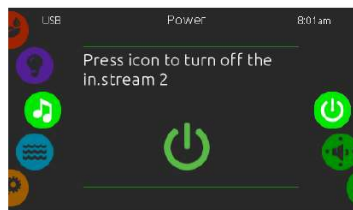- in.stream 2 on/off
- speaker calibration
- audio source selector
- disconnect bluetooth

To select an item, slide the right wheel until the desired icon is highlighted in the middle.
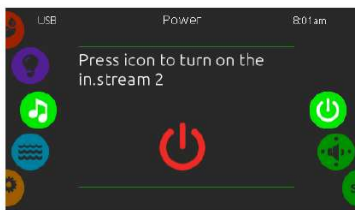
on/off

turn in.stream 2 ON *(icon red)*

Slide the right wheel until the power on/off icon is highlighted in the middle. Press the icon at the center of the screen to turn in.stream 2 on.

turn in.stream 2 OFF *(icon green)*

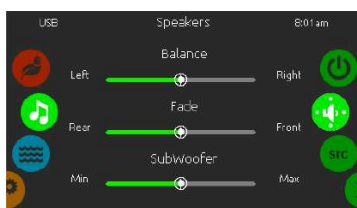Press the icon at the center of the screen to turn in.stream 2 off.

main display

Press Play / Pause to start or pause playback of audio files.

Drag the volume slider to adjust the volume or tap the mute button to mute or unmute sound.

Press the last track or next track buttons to go to the previous song or skip to the next.

speakers setting

to modify your speaker settings

Slide the right wheel until the speaker calibration icon is highlighted in the middle.
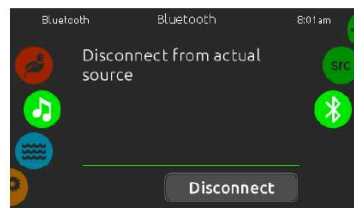
You can adjust:

- balance
- fade
- subwoofer

Use the sliders to change the speaker settings at the desired level.

The fade and subwoofer sliders will only appear on the screen if the corresponding speakers are installed on the in.stream 2.

disconnect bluetooth

If a device with Bluetooth technology is connected to the in.stream 2, you can disconnect it by pressing the Disconnect key at the bottom of the screen.

Doing so will also prevent the in.stream 2 from automatically reconnecting to this specific device until it has been reconnected using the device itself.

Streaming Bluetooth

Everything you need to know about the in.stream 2 audio station Bluetooth function

1- Bluetooth range

The range of the Bluetooth module installed in the in.stream 2 is approximately 10 meters but the practical range depends on geographic, atmospheric and urban conditions. Any obstacle such as the insulation of the spa skirt, a wall or a body of water can reduce its range significantly. Therefore, it is important not to be too far from the station when trying to establish a Bluetooth connection.

In order to maximize the effective range of the Bluetooth, the in.stream 2 should be installed facing an open area and in a way that it will have a clear line of sight with the devices being used to stream music.

2- Connecting to the audio station

The Bluetooth connection is done in two steps. Before they can connect together, the devices being used need to be paired up.

To pair up or connect any device to the in.stream 2 audio station, the station must be open and must not be connected to any other device via Bluetooth as it is impossible to interrupt a connection to establish a new one.

3- Pairing up

In order to pair up a device with the in.stream 2 station you will need to access the Bluetooth settings of that device. From there, some devices will automatically search for other nearby Bluetooth devices while the "search" function will have to be activated on other devices.

Once the "in.stream 2" has been detected by your device, select it to initiate the pairing process. When asked for a password, type in "5555" to complete the pairing. Once paired, the devices can connect together.

At this point, your device will be paired with the in.stream 2 and it will be possible to reconnect it to the station, automatically or manually, without having to pair it again as long as the pairing between both devices isn't deleted.

The in.stream 2 can be paired up with a total of eight different devices, but it can only maintain one connection at a time. If eight devices are paired with the station already, the next device to be paired will cause the station to delete the device that was used the longest time ago from its pairing list so it can complete the new pairing request.

4- Connection

To manually connect an already paired device to the audio station, open the Bluetooth settings of the device you want to connect and select "in.stream 2" from its list of paired devices. However be advised that the list of paired devices usually displays every piece of equipment paired with your device, even if they are not available for a connection. Thus, make sure you are near the in.stream 2 and that the station isn't already connected to another Bluetooth device otherwise the connection attempt will fail and your device will return an error message.

5- Automatic reconnection

When the audio station is no longer connected to a Bluetooth device, its automatic reconnection mode will be activated. In this mode, the station will automatically try to reconnect itself to one of the last three devices it's been connected to.

The automatic reconnection process can take up to 30 seconds to reconnect a device from the moment this device is detected near the station. In order for the audio station to be able to reconnect to a device, the device's Bluetooth must be turned on and it must not be already connected to another Bluetooth device.

It is still possible to pair up and manually connect a Bluetooth device to the in.stream 2 station even if the station is in its automatic reconnection mode.

6- Disconnecting

If a device connected to the in.stream 2 is moved out of range of the station, the connection will be interrupted and the station will switch to its automatic reconnection mode. If this device is brought back in range of the audio station, the station will automatically reconnect with it unless the station is now connected to a different Bluetooth device.

Some devices allow you to end a connection from their Bluetooth settings. From the station's point of view, this is the same as moving out of range. The connection is interrupted and the station starts trying to automatically reconnect with one of the last three connected devices, so you can expect the station to reconnect with that very same device in a matter of seconds.

It is also possible to end the connection between your device and the station by turning off the Bluetooth in your device's settings. By doing so, the in.stream 2 will not be able to automatically

reconnect to your device and the station's Bluetooth connection will be available to pair or connect with a different Bluetooth device.

The audio stations equipped with a Gecko keypad have access to a disconnect function in the keypad's audio menu. Using this function terminates the active Bluetooth connection between a device and the audio station and also excludes this device from the automatic reconnection process until this device is manually reconnected to the audio station through the device's Bluetooth settings.

7- Unpairing bluetooth devices

It is possible to unpair a Bluetooth device from the audio station. This can be done by accessing the Bluetooth settings of the device in question and deleting the audio station from its list of paired devices. On many devices, unpairing is done by selecting the "forget this device" option from their Bluetooth settings.

Unlike other keypads, the in.k175 has an unpairing function from which all devices currently paired with the in.stream 2 are deleted from the list of devices paired with the audio station.

Once a Bluetooth device has been unpaired from the in.stream 2, the audio station will no longer be able to automatically reconnect to this device. To reconnect this device with the station, it will be necessary to start over with the pairing process by searching for the station and then typing in the password "5555".

8- in.stream 2 uniqueness

Each in.stream 2 has an internal identification number that makes it unique. This uniqueness means that a Bluetooth device paired with a specific in.stream 2 will not be able to connect with another in.stream 2 without first being paired up with it.

If multiple in.stream 2 are nearby, all those which are turned on without being connected to a Bluetooth device will appear in the list of available devices when a search is activated.

While most Bluetooth devices will allow you to rename the equipments they are paired up with, the name change is only reflected on the interface of the device used to rename said piece of equipment. This means that in the case of the audio station, nearby users will still see it listed as "in.stream 2" in their Bluetooth settings even if the station has been renamed on another Bluetooth device.

9- Common problems and solutions

My device is on "search" mode to detect nearby Bluetooth equipment, but does not detect the in.stream 2.
Make sure the audio station is turned on, that you are within range and that the station's Bluetooth is not already connected to a different device.

My Bluetooth device is not pairing up with the in.stream 2.
In order to pair up a device with the in.stream 2, you must be able to type in the custom password "5555". Some Bluetooth transmitters do not allow someone to type in a personalized password so those transmitters can't be paired with the audio station.

Despite the fact that my device is within range and that the in.stream 2 is turned on with readily available Bluetooth, an error message is displayed when I attempt to pair up or connect my device.
Delete any existing pairing between your device and the audio station, reset all Bluetooth functions on the device you are trying to pair up or connect with the station and start over with the pairing process.

My device is connected, but the music is not playing.
In some instances, the in.stream 2 will not be able to launch the music application of the connected device. Make sure the music application is open and running on the front page of your mobile device.

The playback features are not responding properly or are activated in an untimely fashion.
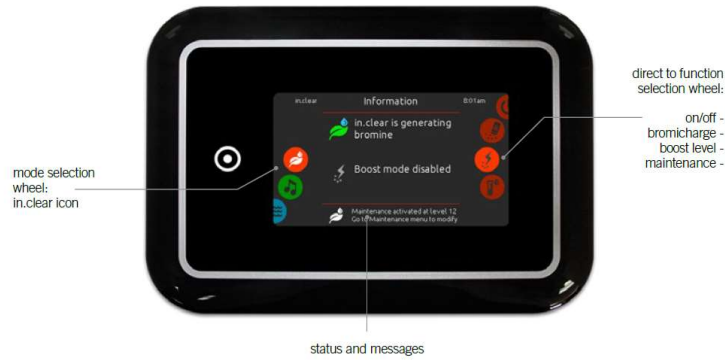It is possible that the remote control protocol of your audio source isn't fully compatible with the one used by the in.stream 2 or that its software is not up-to-date. Verify what functions are supported by the connected device and if updates are available for said device.

The automatic reconnection mode is not working.
It is possible that other devices have been connected to the audio station and that the current device is no longer one of the last three connected device or that it has been disconnected using the station's keypad, thus deactivating the automatic reconnection with this device. In this case, you will need to manually reconnect the device to the in.stream 2 once to reactivate the automatic reconnection with this specific device.

sanitization mode

direct to function
selection wheel:

on/off -
bromicharge -
boost level -
maintenance -

mode selection
wheel:
in.clear icon

status and messages

To select the sanitization mode, slide the left wheel up or down until the in.clear icon menu is highlighted in the middle.

In the sanitization page you can access the following:

- in.clear on/off
- bromicharge
- boost level
- maintenance level

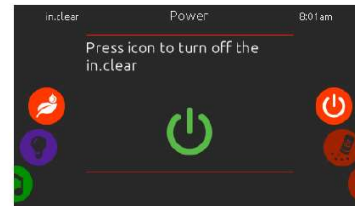To select an item, slide the right wheel until the desired icon is highlighted in the middle.

on/off

turn in.clear ON - *Step 1 (icon red)*

Slide the right wheel until the power on/off icon is highlighted in the middle. Press the icon to turn in.clear on.

turn in.clear OFF - *Step 2 (icon yellow)*

Press icon for 5 seconds to confirm power off.

turn in.clear OFF - *Step 3 (icon green)*

Press the icon to turn off the in.clear.

bromicharge™ level

When performing a test, the BromiCharge™ gauge indicates the approximate sodium bromide level of the spa water.
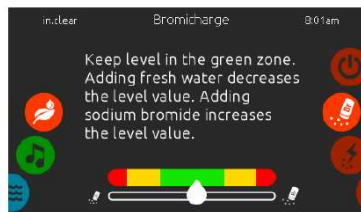
The green zone in the center area of the gauge should be targeted for optimal performance.

To perform a water test, slide the right wheel until the add BromiCharge™ icon is highlighted in the middle.

There is no need to add sodium bromide if the indicator is in the green zone.

When adding sodium bromide, the gauge indicator will gradually shift to the right. When adding clean water to the spa, the indicator will shift to the left.

In order to achieve the proper level, start pumps and add 227g (.5 lb) of BromiCharge™ at a time and always allow 5 minutes for the gauge to react before adding more sodium bromide.

# boost level

modify the boost level

Boost mode is activated automatically 5 minutes after starting a pump. Boost mode increases the bromine generation rate to keep the water clear, clean and soft. As a rule of thumb, its level correspond to the number of bathers.

To modify the boost level, slide the right wheel until the boost icon is highlighted in the middle and use the up or down arrow keys to adjust the level.

Click on the the level icon to confirm your selection.

maintenance level

Use a test kit to check the bromine level. It should be between 3-5 ppm. If the bromine level stays within that range for 3 consecutive days, your maintenance level is well adjusted.
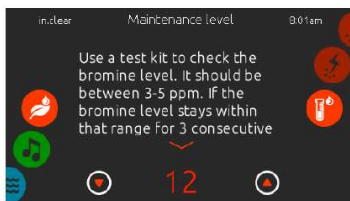
modify the maintenance level

To verify or modify the maintenance level, slide the right wheel until the maintenance icon is highlighted in the middle.

The recommended maintenance level is 12.

Use the up or down arrow keys to adjust the level.

Note that the level can be adjusted by increment of 2 using the up and down arrow keys.
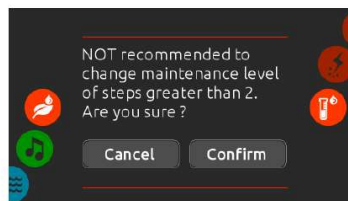
Please note that it is not recommended to change the maintenance level at steps greater than 2. A confirmation will be asked by the system if you do.

If you do, retest the bromine level the day after. If the bromine is not in the 3-5 range and is higher than 5 ppm, decrease the maintenance level. If the bromine is lower than 3 ppm, increase it. Repeat until the test reads a bromine level in the 3-5 range.

IN. CLEAR

How the in.clear works

When sodium bromide (such as BromiCharge) is added to the water, it separates into sodium ions and bromide ions. As the water passes through the in.clear bromine generator, a low-voltage source supplies a current that electrolytically reduces the bromine ions into bromine. The bromine destroys bacteria and algae, and then releases bromide ions back into the water for continuous recycling until the spa is emptied. It is important to note that the amount of bromine needed will vary in direct proportion to the number of bathers in the spa (bather load).

Versions

There are two versions of the in.clear module: a stand alone version that uses the in.k200 keypad directly, and the linked version, which communicates with the spa pack for more control and precision.

Effects of bromine

- Bromine destroys waterborne bacteria.
- Bromine destroys algae in water (e.g. Black, Green, Mustard).
- Bromine swiftly eliminates the presence of organic matter left behind by spa users (e.g. oil, sweat, dead skin cells).
- Because bromine doesn't contain calcium, it can be used to sanitize hard water without increasing the calcium hardness.

Bromine in a spa

Bacteria require a certain period of time before forming into micro colonies and becoming attached to a surface. Rapid elimination of bacteria is a key element in the proper maintenance of the spa water. The in.clear achieves this while oxidizing odors, reducing eye and skin irritation. The in.clear enhances the clarity and quality of spa water. For bathers this translates into a more enjoyable warm water therapy experience.

Start up procedure
(Instruction video: www.inclear.ca)

1. Fill the spa with water.

2. Begin heating the water to your desired temperature.

3. Balance your water parameters (see info in your user guide regarding water chemistry for spa: total hardness, alkalinity, pH).

4. Start main pump and add BromiCharge™ slowly into the warm water, 0.54 kg for every 378 liters (1.2 lbs per every 100 gallons) of water.

5. Turn on the in.clear system by pressing and holding the on/off button ⚡ for 2 seconds, until your display lights up. Refer to your user manual for information on achieving the proper BromiCharge™ quantity.

6. Now you're ready to calibrate your in.clear settings. There are 2 settings, Maintenance and Boost.

7. **Maintenance**: Your Maintenance value was set at the factory. It should read "5" to start. Using your spa while you're establishing the residual will slow the process. Be patient. Check your bromine level each day with a test kit. Your goal is a residual bromine bank of 3 – 5 ppm. If the bromine content of your water is less than 3 ppm, press and hold the Maintenance key 🔘 for 2 seconds and increase the Maintenance setting by 1 or 2 increments with the up arrow ⌃ . Repeat daily until your bromine level stabilizes at 3 – 5 ppm.

   IMPORTANT FOR THE STAND ALONE VERSION: Make sure your spa is filtering the water at least 8 hours per day. The in.clear only creates bromine when the filter pump is running.

8. **Boost**: Every time you use the spa, press Boost ⚡ . Boost runs a clean-up cycle that returns your residual bromine to the proper level. You should run Boost every time you use the spa. Press Boost key ⚡ . Set the Boost level by using the up and down arrow ⌃⌄ to select the number of bathers that use the spa (i.e., 2 users = 2, and so on). With the proper Maintenance level setting, and consistent use of the Boost mode, your spa will be ideally maintained.

IN TOUCH 2 WIFI GECKO

WEB SITE AVAILABLE (VIDEO)

WELCOME : https://geckointouch.com

APPLICATION AVAILABLE IN ANDROID – IOS : https://geckointouch.com/application#app

and features of your spa from your smartphone or your tablet.

Even when you're away from home, you get a full control of your water-care settings, filtration cycles, water temperature, economy modes and a lot more. Push notifications will always keep you informed on the status of your spa, even when your app is not open.

You can get and download the iOS (8.0 or higher) and Android (2.3 or higher) in.touch 2 apps from the AppStore and the Google Play store.

INSTALLATION INTOUCH 2 / VIDEO : https://geckointouch.com/setup#simplest-of-setups

Set-up your Wi-Fi on your iOS or Android smartphone or tablet

Before using your in.touch 2 app, go to the Wi-Fi section of your device's settings. Make sure you are connected to your home network through the same router you have connected your home transmitter to.

installing the home transmitter
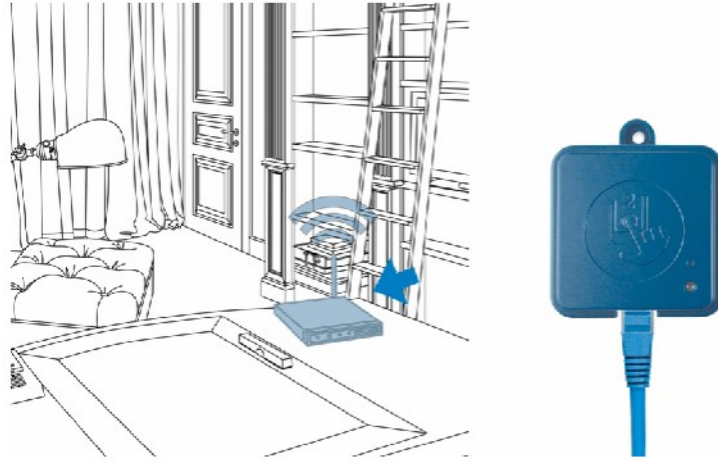
The home transmitter is provided with an ethernet cable and a power supply.

The in.touch 2 home transmitter unit must be installed inside the house, connected to a router and powered by the provided wall transformer. A longer ethernet cable may be used to bring the home transmitter closer to the spa.
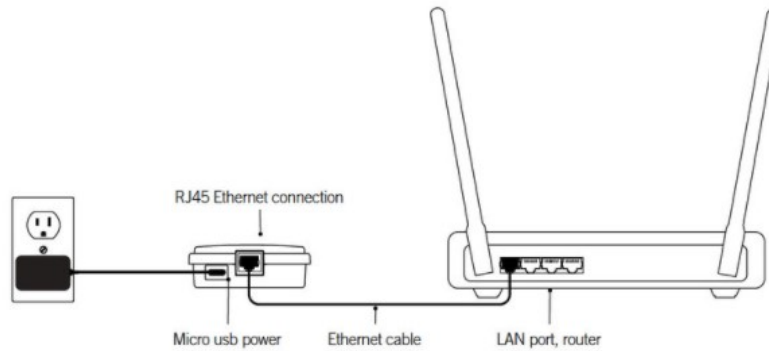
Simply connect the ethernet cable into the RJ45 port of the in.touch 2 home transmitter and in one of the available LAN ports on your router. To power up the home transmitter, plug the provided wall outlet charger to a 120V (North American model) or 220V (European model) household supply and connect the USB cable to the wall outlet and the home transmitter.
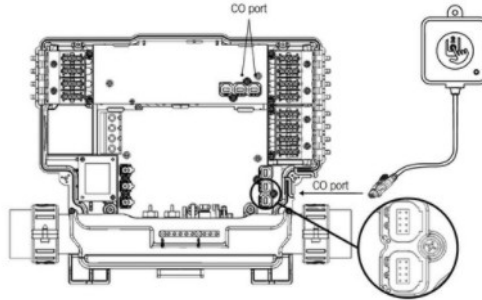
installing the spa transmitter

If you purchased a spa with in.touch 2 as a standard feature or as an option, note that the spa transmitter will be pre-installed.

To ensure proper signal transmission, it may be necessary to change the position of the transmitter once the spa is installed in the yard. The transmitter should be located on the side of the spa facing the house.

The in.touch 2 spa transmitter must be installed under the spa skirt, at least 12" (30 cm) away from any metal component or structure, as close as possible to the house to optimize the signal strength.

Simply connect the spa transmitter into an available CO port of the spa control system (or any other accessory with a free CO port, such as the in.stream 2 audio amplifier, or the in.clear water sanitization system).

pairing the home and spa transmitters

If you bought an in.touch 2 equipped spa or a complete retrofit kit, both transmitters of your in.touch 2 will be factory pre-paired.

pairing button

status LED

Main electrical box   GFCI panel
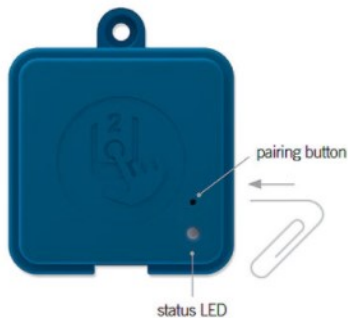
If you need to replace a transmitter or pair your transmitters again, power up the home transmitter and press on its pairing button with a paper clip. The status light of the transmitter will blink yellow.
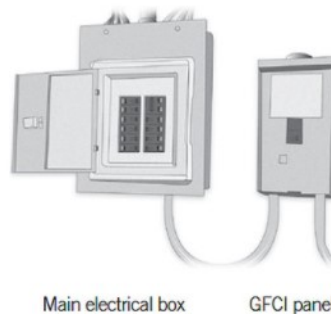
Then, shut off the spa's breaker to turn the spa transmitter off. Wait a little and put the breaker back on. Within a few seconds, pairing will be completed and both transmitter status lights will turn to blue.

transmitters status LED indicator

Both the home and spa transmitters have color status LED that can be used for troubleshooting purposes.

status LED

status LED

pairing mode	🟡	yellow (blinking)
router not detected	🔴	red
router detected	🟢	green
in.touch 2 server detected module is fully functional	🔵	blue

pairing mode	🟡	yellow (blinking)
router not detected	🔴	red
in.touch 2 server detected module is fully functional	🔵	blue

* When the LED status is blinking (blue, green or red) this indicates that the communication between the EN module and the CO module it not established.

WARRANTY

ELEMENTS	YEAR OF WARRANTY ON PARTS	LABOR
WATERPROOFING OF THE TANK	15 YEARS	INCLUD (5 YEARS)
STRUCTURE AND FRAME	5 YEARS	INCLUD
ELECTRONIC PACK	5 YEARS	INCLUD
PUMPS	5 YEARS	INCLUD
KEYPAD	5 YEARS	INCLUD
PIPING 2'' / ¾ / 3/8	5 YEARS	INCLUD
WATER JETS / AIR JETS	3 YEARS	N/A
LIGHTS	3 YEARS	N/A
SPEAKER / SUBWOOFER	3 YEARS	INCLUD
WIFI IN TOUCH 2	3 YEARS	INCLUD
CABINET	2 YEARS	INCLUD
COVER	2 YEARS	N/A
PILLOWS	2 YEARS	N/A
IN STREAM	2 YEARS	INCLUD

IMPORTANT

- No warranty will be accepted due to freezing.
- For any claim, you must contact your retailer
- The guarantee excludes any damage due to a non-level surface

TROUBLESHOOTING & ERRORS MESSAGE

Code	Message
HL	High Limit circuit has tripped!
FLO - L01 FLO - L02 FLO	FLO condition - Check filter, pump, blockage, air lock and water level
NO FLO	Persistent NO FLO, all off - Check filter, pump, blockage, air lock and water level
HR	A hardware error was detected (Relay stuck)
OH	Spa temperature is too high
Pr	Temp probes or detection circuit are defective
AOH	Elevated internal temperature
FLC	The pressure switch is closed
SP in	Input voltage issue
RH NC	Comm. error between in.xm2 - in.therm
RH ID	in.xm2 and in.therm incompatible
SC ER	Error detected during the learning mode
F1	in.xm2 Fuse # 1 is blown
F2	in.xm2 Fuse # 2 is blown
F3	in.xm2 Fuse # 3 is blown
ER1	SwimSpa config. : slave unit is missing
Hr	Hardware error was detected (Thermal fuse)
UPL	The spa pack does not have valid software. Please insert valid in.stick to reprogram spa pack.
CFLO	No Flow condition
HIBr	Add fresh water to the spa
HiBr	Add fresh water to the spa
LoBr	Add BromiCharge to spa water
NoBr	Add BromiCharge to spa water
Comm	Verify cable connections
Supp	Connect power cord to 240 V source

Troubleshooting

Possible error codes on in.yj, in.ye, in.yt and in.xe control systems

The error codes indicate a failure or problem that must be rectified to guarantee the good function of the system. The error code and the water temperature are displayed alternately on the keypad.

The error messages listed below display on the LCD and LED keypads. If your spa is equipped with a color keypad, please refer your techbook for more information on error messages.

HL

The water temperature in the water heater has reached 119 °F (48°C).

Do not enter spa water!

Prr

The system detects a problem with the regulation probe. The system constantly verifies if the temperatures read by the probe are inside the normal limits.

FLO

The system has detected no water flow during the main pumps operation.

UPL

No low-level configuration is present in the control system memory, insert a valid in.stik to program the control unit.
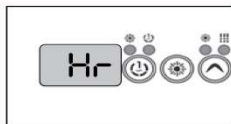
AOH

The temperature inside the spa skirt is too high and causes an increase of the internal temperature of the control system above normal limits.

OH

The spas water temperature has reached 108°F (42°C)

Do not enter spa water!

Hr

An internal error with the system hardware has been detected.

Note: *Only on in.xe control, can't be displaid with a in.k330 keypad.*