

wibespa



USER MANUAL FOR SPA

WIBESPA

/ CONTROL SYSTEMS / KEYPADS / ACCESSORIES /

WARNING

REDUCE THE RISK OF ELECTROCUTION

- Never place an electric appliance within 5 feet of hot tub.

REDUCE THE RISK OF CHILD DROWNING

- Supervise children at all times.
- Attach hot tub cover after each use.

REDUCE THE RISK OF OVERHEATING

- Check with a doctor before use if pregnant, diabetic, in poor health, or under medical care.
- Exit immediately if uncomfortable, dizzy, or sleepy. Hot tub heat can cause hyperthermia and unconsciousness.
- Hot tub heat in conjunction with alcohol, drugs, or medication can cause unconsciousness.

WHEN PREGNANT, measure water temperature before entering.

- Soaking in hot water for long periods can harm your fetus.
- Exit immediately if uncomfortable, dizzy, or sleepy. Hot tub heat can cause hyperthermia and unconsciousness.
- Hot tub heat in conjunction with alcohol, drugs, or medication can cause unconsciousness.

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INTRODUCTION

Congratulations on your new product!

Outside work and family the enjoyment of quality life and calm moments plays an important role in the life of a 21st century man. An evening bath in the spa or tub alone or in company can give you the opportunity to lose track of time and your body and soul can relax. From the world of rationality we get into the world of senses where the cossetting atmosphere of the water provides the perfect conditions for relaxation.

Our design engineers utilised the experiences of the ancient Eastern massage culture and the modern findings of Western hydrotherapy to create spas providing the perfect massage experience.

Develop a peaceful space for relaxation with your product in your home and join the group of the few who seek a positive impact on their environment by establishing internal harmony.

Dive into your spa and enjoy the gently flowing water!

IMPORTANT SAFETY INSTRUCTIONS

1. Failure to comply with these instructions may result in serious injury, electric shock, or death.
2. GFCI Protection
The spa must be connected to a GFCI (Ground Fault Circuit Interrupter) device.
3. Plug & Play models:
the GFCI integrated into the power cord must be tested before each use
4. Hardwired installations:
the GFCI must be tested regularly (at least monthly) using the test button, and periodically inspected by a licensed electrician in accordance with NEC (NFPA 70) and Canadian Electrical Code (CEC)
5. If the GFCI does not operate properly, do not use the spa and disconnect power immediately.
6. Installation
Installation must be performed by a licensed electrician in accordance with NEC (NFPA 70), Canadian Electrical Code (CEC), and all applicable local regulations.
7. Grounding & Bonding
The spa must be properly grounded and bonded. All metal parts in proximity must be bonded in accordance with NEC/CEC requirements.
8. Disconnecting Means
A readily accessible all-pole disconnecting device must be installed in the fixed wiring in accordance with NEC/CEC.
9. Wiring
Use only properly rated conductors.
Do not use extension cords.
Do not modify or splice cables.
Damaged cables must be replaced immediately.
10. Accessibility
Live electrical parts must not be accessible.
Only SELV ($\leq 12V$) components may be accessible.
11. Water & Electrical Safety
The spa must be installed to prevent water contact with electrical components and ensure proper drainage.
12. Liability
The manufacturer shall not be liable for any damage resulting from improper installation, misuse, or non-compliance with these instructions.
13. Service
This product contains no user-serviceable electrical parts.
All service must be performed by qualified personnel.

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READ AND FOLLOW ALL INSTRUCTIONS.

1. **WARNING** – To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
2. A wire connector is provided on this unit to connect a minimum 8 AWG (8.4 mm²) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the unit.
3. (For cord-connected/convertible units) **DANGER** – Risk of injury.
 - a) Replace damaged cord immediately.
 - b) Do not bury cord.
 - c) Connect to a grounded, grounding type receptacle only.
4. **DANGER** – Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this hot tub unless they are supervised at all times.
5. **DANGER** – Risk of Injury. The suction fittings in this hot tub 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 hot tub 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.
6. **DANGER** – Risk of Electric Shock. Install at least 5 feet (1.5 m) from all metal surfaces. As an alternative, a hot tub may be installed within 5 feet 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.
7. **DANGER** – Risk of Electric Shock. Do not permit any electric appliance, such as a light, telephone, radio, or television, within 5 feet (1.5 m) of a hot tub.
8. **WARNING** – To reduce the risk of injury:
 - a) The water in a hot tub should never exceed 40°C (104°F). Water temperatures between 38°C (100°F) and 40°C are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when hot tub use exceeds 10 minutes.
 - b) 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 hot tub water temperatures to 38°C (100°F).
 - c) Before entering a hot tub, the user should measure the water temperature since the tolerance of water temperature-regulating devices varies.
 - d) The use of alcohol, drugs, or medication before or during hot tub use may lead to unconsciousness with the possibility of drowning.
 - e) 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 hot tub.
 - f) Persons using medication should consult a physician before using a hot tub since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.

SAVE THESE INSTRUCTIONS.

Audio/video components

- a) "CAUTION – Risk of Electric Shock. Do not leave compartment door open";
- b) "CAUTION – Risk of Electric Shock. Replace components only with identical components"; and
- c) "Do not operate the audio/video controls while inside in the hot tub".
- d) "WARNING – Prevent Electrocutation. Do not connect any auxiliary components (for example cable, additional speakers, headphones, additional audio/video components, etc.) to the system".
- e) These units are not provided with an outdoor antennae; when provided, it should be installed in accordance with Article 810 of the National Electrical Code, ANSI/NFPA 70.
- f) Do not service this product yourself as opening or removing covers may expose you to dangerous voltage or other risk of injury. Refer all servicing to qualified service personnel.
- g) When the power supply connections or power supply cord(s) are damaged; if water is entering the audio/video compartment or any electrical equipment compartment area; if the protective shields or barriers are showing signs of deterioration; or if there are signs of other potential damage to the unit, turn off the unit and refer servicing to a qualified service personnel.
- h) This unit should be subjected to periodic routine maintenance (for example, once every 3 months) to make sure that the unit is operating properly.

FOR YOUR SAFETY PLEASE ALWAYS PERFORM THE FOLLOWING PRECAUTIONS. IF YOU DO NOT FOLLOW THE WARNINGS AND INSTRUCTIONS, ITEMS MAY GET DAMAGED, YOU MAY GET INJURED, OR YOU MAY SUFFER FATAL INJURY. IMPROPER INSTALLATION AND OPERATION INVALIDATES THE WARRANTY. AVOIDING THE RISK TO CHILDREN

- To reduce the risk of injury, lower water temperatures are recommended for young children. Children are especially sensitive to hot water.
- Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use a hot tub unless they are supervised at all times.

DO:

- Make sure you always lock the child resistant locks after using the hot tub for your children's safety.
- Test the water temperature with your hand before allowing children to enter the hot tub to be sure that it's comfortable. Children are especially sensitive to hot water.
- Remind children that wet surfaces can be very slippery. Make sure that children are careful when entering or exiting the hot tub.
- Do not allow children to climb onto the hot tub cover.
- Do not allow children to have unsupervised access to the hot tub.

SAFETY INSTRUCTIONS

AVOIDING THE RISK OF ELECTROCUTION



DANGER - RISK OF ELECTROCUTION

Initial safety warnings

- The hot tub must be powered through a residual current device (rCD) with a current release not exceeding 30mA.
- The devices and parts which contain active parts – except those which are powered from protective extra low voltage not exceeding 12V – must be inaccessible from the hot tub.
- Connect only to a grounded source.
- Do not bury the power cord. A buried power cord may result in death, or serious personal injury due to electrocution if direct burial-type cable is not used, or if improper digging occurs.



WARNING

- To reduce the risk of electrical shock, replace a damaged cord immediately. Failure to do so may result in death or serious personal injury due to electrocution.
- Your hot tub must be connected to a Ground Fault Circuit Interrupter (GFCI) for user and equipment protection. To ensure proper operation of this important safety device, test according to the following instructions per electrical configuration.
- **Cord-Connected 115 volt, 20 amp models:** The GFCI is located at the end of the power cord. Before each use, with the unit operating, push the TEST button. The unit should stop operating and the GFCI power indicator will go out. Wait 30 seconds and then reset the GFCI by pushing the RESET button. The GFCI power indicator will turn on, restoring power to the hot tub. If the interrupter does not perform in this manner, there

may be an electrical malfunction and with it, the possibility of an electric shock. Disconnect the power until the problem has been corrected.

- **2x120 volt, permanently connected or converted models:**
- A ground terminal is provided on the terminal block (TB-1, system ground terminal) located inside the control box. To reduce the risk of electric shock, connect this terminal to the grounding terminal of your electrical service or supply panel with a continuous green, insulated copper wire. The wire must be equivalent in size to the circuit conductors supplying the equipment. In addition, a bonding terminal (pressure wire connector) is provided on the outside of the control box for bonding to local ground points. To reduce the risk of electric shock, this connector should be bonded with a No. 8 AWG (8.4 mm²) solid copper wire to any metal ladders, water pipes, or other metal within 5 feet (1.5 m) of the hot tub to comply with local requirements. The means of disconnection must be readily accessible, but must be installed at least 5 feet (1.5 m) from the hot tub.
- Your hot tub is provided with a suitably rated circuit breaker to open all ungrounded supply conductors.
- Your hot tub uses ground fault circuit interrupters in the electrical sub-panel. Before each use of the hot tub and with the unit operating, push the TEST button on each breaker. The switch should click over to the “Trip” position. Wait 30 seconds and reset each GFCI breaker by switching it completely off and then completely on.

The switch should then stay on. If either of the interrupters does not perform in this manner, it is an indication of an electrical malfunction and the possibility of an electric shock. Disconnect the power until the fault has been identified and corrected.

SAFETY INSTRUCTIONS

IMPORTANT: Failure to wait 30 seconds before resetting the GFCI may cause the hot tub's Power Indicator (on the control panel) to blink. If this occurs, repeat the GFCI test procedure.



DANGER - RISK OF ELECTRIC SHOCK

- A wire connector is provided on this unit to connect a minimum 8 AWG (8.4 mm²) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the unit.
- Install at least 5 feet (1.5 m) from all metal surfaces. As an alternative, a hot tub may be installed within 5 feet 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.
- Do not permit any electric appliance, such as a light, telephone, radio, or television, within 5 feet (1.5 m) of a hot tub. Failure to maintain a safe distance may result in death, or serious personal injury due to electrocution, if the appliance should fall into the hot tub.
- Install your hot tub in such a way that drainage is away from the electrical compartment and from all electrical components.
- **CAUTION** — Risk of Electric Shock. Do not leave compartment door open
- **CAUTION** — Risk of Electric Shock. Replace components only with identical components
- Do not service this product yourself as opening or removing covers may expose you to dangerous voltage or other risk of injury. Refer all servicing to qualified service personnel.

DO:

- Be sure your hot tub is connected to the power supply correctly - use a licensed electrical contractor.
- Disconnect the hot tub from the power supply before draining the hot tub or servicing the electrical components.
- Test the Ground Fault Circuit Interrupter(s) before each use.
- Do not use the hot tub with the equipment compartment door removed.
- Do not place electrical appliances within 5 feet (1.5m) of the hot tub.
- Do not use an extension cord to connect the hot tub to its power source. The cord may not be properly grounded and the connection is a shock hazard. An extension cord may cause a voltage drop, which will cause overheating of the jet pump motor and motor damage.
- Do not attempt to open the electrical control box. There are no user serviceable parts inside.

RISKS TO AVOID



DANGER - RISK OF INJURY

- To reduce the risk of injury to persons, **DO NOT** remove suction fittings (filter standpipes) located in the filter compartment.
- There is a danger of slipping and falling. Remember that wet surfaces can be very slippery. Take care when entering or exiting the hot tub.
- Never operate hot tub if the suction fittings are broken or missing.
- People with infectious diseases should not use the hot tub.
- Keep any loose articles of clothing, long hair, or hanging jewelry away from rotating jets or other moving components.

SAFETY INSTRUCTIONS

- Water treatment should be carried out with caution. Improperly chemically treated water may cause skin irritation.
- Do not remove any suction sealing.
- Do not operate the hot tub if the suction sealing is broken or missing.
- Keep your clothes and jewelry away from rotating jets and moving parts.
- Effects of overheating: you cannot assess emergency situations, do not feel the temperature, do not feel the need to get out of the hot tub, cannot get out of the hot tub; risk of fetal damage in pregnant women, loss of consciousness, suffocation.
- Do not use the hot tub alone.
- Do not use the hot tub immediately after strenuous sport.

INCREASED SIDE EFFECTS OF MEDICATION

- The use of drugs, alcohol may cause unconsciousness with the possibility of drowning.

HEALTH PROBLEMS AFFECTED BY HOT TUB USE

- Pregnant women should consult a physician before using hot tub.
- 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 hot tub.

AVOIDING THE RISK OF HYPERTHERMIA

Prolonged immersion in hot water can result in HYPERTHERMIA, Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 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 hot tub; unawareness of impending hazard; fetal damage in pregnant women; physical inability to exit the hot tub; and unconsciousness resulting in the danger of drowning.



WARNING

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

TO REDUCE THE RISK OF INJURY

- The water in a hot tub should never exceed 40°C (104°F). Water temperatures between 38°C (100°F) and 40°C are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when hot tub use exceeds 10 minutes. Extended use can cause hyperthermia.
- 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 hot tub water temperatures to 38°C (100°F).
- Pregnant or possibly pregnant women should limit hot tub water temperatures to 100°F (36°C). Failure to do so may result in permanent injury to your baby.
- Do not use hot tub immediately following strenuous exercise.
- 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 hot tub.

SAFETY INSTRUCTIONS

AVOIDING THE RISK OF SKIN BURNS

- Before entering a hot tub, the user should measure the water temperature since the tolerance of water temperature-regulating devices varies.
- To reduce the risk of injury, before entering a hot tub the user should measure the water temperature with an accurate thermometer.
- Test the water with your hand before entering the hot tub to be sure it's comfortable.

PRODUCT SAFETY AND MAINTENANCE

For units intended for use in other than single-family dwellings, a clearly labeled emergency switch must be provided as part of the installation. The switch must be readily accessible to the occupants and must be installed at least 5 feet (1.52 m) away, adjacent to, and within sight of, the unit.

When the hot tub is not in use, cover the hot tub with the cover to prevent ultraviolet radiation causing damage to the product.

Do not remove any suction sealing. Do not operate the hot tub if the suction sealing is broken or missing.

Keep your clothes and jewelry away from rotating jets and moving parts.

Test the residual current device before use.

Disconnect the hot tub from the power supply before servicing its electrical parts. (This operation can only be performed by qualified professionals).

It is strictly prohibited to use the hot tub in a not completely assembled state (e.g. detached side panel)

Chemical treatment of water can only be performed by persons under the age of 18 under parental supervision.

Maintenance can only be performed by trained professionals.

The user should check the electrical wiring every 3 months. It is required to perform a check by a professional every 3 years.

Mains, fuses, and circuit breakers may be activated because of power outages.

Installation and wiring of the hot tub, replacement of power cord, and any repairs must be performed by qualified professionals.

It is required to build in an isolating device to the fixed wiring.

PLUG'N PLAY SAFETY WARNINGS BEYOND THE PREVIOUS WARNINGS, PLEASE ALSO PAY ATTENTION TO THE UNDERMENTIONED ONES.

ATTENTION! *The electrical receptacle must be located at least 2.5 meters from the hot tub so that bathers in a sitting position cannot reach it from the water. The plug can only be connected to a receptacle equipped with 2.5mm 2 diameter cables.*

ATTENTION! RISK OF ELECTRIC SHOCK. *The connector with residual current device must be inspected before every use.*

ATTENTION! *Only place the RCD plug in a receptacle equipped with RCD.*

ATTENTION! *Before you insert the plug into the socket ensure that the current of the socket and the fixed wiring is appropriate for the properties of the hot tub.*

The hot tub must be equipped with an isolation transformer or powered through a residual current device with a release current not exceeding 30mA.

This product is equipped with a ground fault circuit breaker (GFCI) in the connector. GFCI must be tested before each use.

If the power cable is damaged, it must immediately be replaced by the manufacturer or a service professional in order to minimize danger.

SAFETY INSTRUCTIONS

To minimize the risk of electric shock do not use extension leads to connect the product to the power supply.

Ensure that the receptacle is properly located.

Parts of the equipment cannot be placed above the hot tub during usage.

Parts under electrical power – except those operating with voltage not exceeding 12V - must be inaccessible for persons in the hot tub. The grounded device must be connected to a fixed socket with fixed wiring. Electrical parts – except remote controllers – must be positioned so as not to fall into the hot tub.

The electrical installation must meet the local standard requirements.

To avoid electric shock do not use the hot tub in rain.

Water attracts children. Always place and lock the cover on the hot tub after each usage.

Do not bury cables into the ground! Place the cables so that lawnmowers, trimmers, and similar devices will not reach them.

Do not force push the control panel up nor down and do not place heavy objects on it after installation.

Keep pets away from the hot tub to avoid damage.

Do not use the device if there is the slightest chance of water in the hot tub being frozen.

Only use accessories approved by us. The use of accessories not approved by us may void the warranty.

Choking hazard. Particular attention need to be paid to children during usage. To avoid accidents only allow children to use this hot tub under adult supervision.

To prevent damage to the pump the hot tub can only be operated if it has been filled with water.

If you feel uncomfortably or sleepy, leave the hot tub immediately.

Never add water to the chemicals. Always be cautious when adding chemicals to the hot tub water to avoid inhaling vapors and possible effects of inhaling undiluted chemicals and splatters.

Only place the hot tub on a surface that can support its weight.

Inspect the unit before use. contact the service provider stated in this manual if any of the parts were damaged or missing upon purchase. Ensure that the parts of the unit are those which you intended to buy.

In.clear safety warnings

Beyond the previous warnings, please also pay attention to the undermentioned ones read this manual carefully, always follow its instructions, and retain it. This manual contains important information about the installation, operation, and safety recommendations of the in.clear unit. Safe installation and usage is your responsibility.

The in.clear unit must be connected to a network protected by a ground fault circuit interrupter (GFCI) of the maximal nominal fault current value of 30mA.

Ensure that the entire power supply is turned off before the in.clear unit is installed.

If the power cord is damaged, it must be replaced by the manufacturer, an authorized service provider, or qualified professionals to avoid emergencies.

Always use a proper electric cable for supply of current to the in.clear unit.

When installing the in.clear Automatic Bromine Generator local and international electrical regulations must be complied with.

Clean or replace the filter cartridge at regular intervals, otherwise part of the bromine produced by the in.clear unit will be consumed by oxidation of contamination accumulated in the filter.

DO NOT pour any other chemicals into the hot tub than the recommended sodium bromide. DO NOT use any ozone or UV disinfectant.

Operating the in.clear unit on lower sodium bromide level shortens the life of the cells. Keeping sodium bromide and bromine levels above the recommended level may lead to corrosion of the hot tub components and cause damage to the hot tub accessories.

Do not open the in.clear unit; it does not contain serviceable parts

Product disposal: the in.clear unit must be disposed of in accordance with local disposal regulations in force.

This device is not intended for use by persons (nor children) with limited physical, sensory, or mental capabilities except if these persons have received appropriate instruction on use of the device from the person responsible for their safety.

The in.clear unit cannot be applied to in-ground sunken hot tubs as it may affect materials used in the construction.

The shut-off device must have fixed wiring in accordance with the cabling regulations.

Showering is compulsory before each hot tub use.

The user is responsible for regular monitoring of the hot tub water to ensure that enough bromine is available to reach the appropriate cleaning level. Intensive hot tub use may require higher bromine intake to always maintain appropriate bromine level.

Always check the expiry date of the test kit, because after this date the test results may be inaccurate.

For proper disinfection hot tubs must periodically be completely drained. The advised time period between full drains given in days is calculated by dividing the capacity of the hot tub in liters by the tenfold of the average daily users.

The in.clear unit is applicable for indoor hot tubs, but NOT for swimming pools.

THIS UNIT SHOULD BE SUBJECTED TO PERIODIC ROUTINE MAINTENANCE (FOR EXAMPLE, ONCE EVERY 3 MONTHS) TO MAKE SURE THAT THE UNIT IS OPERATING PROPERLY.

SAVE THESE INSTRUCTIONS

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

AVERTISSEMENT : NE PAS LAISSER LES ENFANTS UTILISER UNE CUVE DE RELAXATION SANS SURVEILLANCE

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

AVERTISSEMENT : POUR ÉVITER QUE LES CHEVEUX OU UNE PARTIE DU CORPS PUISSENT ÊTRE ASPIRÉS, NE PAS UTILISER UNE CUVE DE RELAXATION SI LES GRILLES DE PRISE D'ASPIRATION NE SONT PAS TOUTES EN PLACE

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

AVERTISSEMENT : LES PERSONNES QUI PRENNENT DES MÉDICAMENTS ET (OU) ONT DES PROBLÈMES DE SANTÉ DEVRAIENT CONSULTER UN MÉDECIN AVANT D'UTILISER UNE CUVE DE RELAXATION

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

AVERTISSEMENT : LES PERSONNES ATTEINTES DE MALADIES INFEC-

SAFETY INSTRUCTIONS - CANADA

TIEUSES NE DEVRAIENT PAS UTILISER UNE CUVE DE RELAXATION

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

AVERTISSEMENT : POUR ÉVITER DES BLESSURES, USER DE PRUDENCE EN ENTRANT DANS UNE CUVE DE RELAXATION ET EN SORTANT

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

AVERTISSEMENT : POUR ÉVITER L'ÉVANOUISSEMENT ET LA NOYADE ÉVENTUELLE, NE PRENDRE NI DROGUE NI ALCOOL AVANT D'UTILISER UNE CUVE DE RELAXATION NI QUAND ON S'Y TROUVE

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

AVERTISSEMENT : LES FEMMES ENCEINTES, QUE LEUR GROSSESSE SOIT CONFIRMÉE OU NON, DEVRAIENT CONSULTER UN MÉDECIN AVANT D'UTILISER UNE CUVE DE RELAXATION

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

AVERTISSEMENT : IL PEUT ÊTRE DANGEREUX POUR LA SANTÉ DE SE PLONGER DANS DE L'EAU À PLUS DE 38 °C

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

AVERTISSEMENT : AVANT D'UTILISER UNE CUVE DE RELAXATION, MESURER LA TEMPÉRATURE

DE L'EAU À L'AIDE D'UN THERMOMÈTRE PRÉCIS

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

AVERTISSEMENT : NE PAS UTILISER UNE CUVE DE RELAXATION IMMÉDIATEMENT APRÈS UN EXERCICE FATIGANT

WARNING: PROLONGED IMMERSION IN A HOT TUB CAN BE INJURIOUS TO YOUR HEALTH

AVERTISSEMENT : L'UTILISATION PROLONGÉE D'UNE CUVE DE RELAXATION PEUT ÊTRE DANGEREUSE POUR LA SANTÉ

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

AVERTISSEMENT : NE PAS PLACER D'APPAREIL ÉLECTRIQUE (LUMINAIRE, TÉLÉPHONE, RADIO, TÉLÉVISEUR, ETC) À MOINS DE 1.5 M DE CETTE CUVE DE RELAXATION

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

ATTENTION: LA TENEUR DE L'EAU EN MATIÈRES DISSOUTES DOIT ÊTRE CONFORME AUX DIRECTIVES DU FABRICANT.

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

LA CONSOMMATION D'ALCOOL OU DE DROGUE AUGMENTE CONSIDÉRABLEMENT LES RISQUES D'HYPERTHERMIE MORTELLE DANS UNE CUVE DE RELAXATION.

SAFETY INSTRUCTIONS - CANADA

WARNING: RISK OF ACCIDENTAL DROWNING. EXTREME CAUTION MUST BE EXERCISED TO PREVENT UNAUTHORIZED ACCESS. ENSURE THAT CHILDREN CANNOT USE THIS PRODUCT UNLESS THEY ARE SUPERVISED AT ALL TIMES

AVERTISSEMENT : RISQUE DE NOYADE. PRENDRE TOUTES LES PRÉCAUTIONS NÉCESSAIRES POUR INTERDIRE L'ACCÈS AUX PERSONNES NON AUTORISÉES. S'ASSURER QUE LES ENFANTS NE PUISSENT PAS UTILISER CE PRODUIT SANS SURVEILLANCE CONSTANTE

WARNING: RISK OF ACCIDENTAL DROWNING. THE USE OF ALCOHOLIC BEVERAGES OR DRUGS BEFORE OR DURING HOT TUB USE CAN LEAD TO UNCONSCIOUSNESS WITH THE POSSIBILITY OF DROWNING

AVERTISSEMENT : RISQUE DE NOYADE. TOUTE PERSONNE QUI PREND DE LA DROGUE OU DE L'ALCOOL AVANT D'UTILISER UNE CUVE DE RELAXATION OU PENDANT QU'ELLE S'Y TROUVE RISQUE L'ÉVAUOUISSMENT ET LA NOYADE

WARNING: RISK OF ACCIDENTAL DROWNING DUE TO HYPERTHER-

MIA. CONSULT THE INSTRUCTIONS PROVIDED WITH THIS UNIT FOR A DESCRIPTION OF THE CAUSES, SYMPTOMS, AND EFFECTS OF HYPERTHERMIA

AVERTISSEMENT : RISQUE DE NOYADE PAR SUITE D'HYPERTHERMIE. LIRE LA NOTICE QUI ACCOMPAGNE

CET APPAREIL; ELLE DÉCRIT LES CAUSES, LES SYMPTÔMES ET LES EFFETS DE L'HYPERTHERMIE

WARNING: RISK OF ELECTRIC SHOCK. DO NOT PERMIT ANY ELECTRIC APPLIANCE (SUCH AS A LIGHT, TELEPHONE, RADIO, OR TELEVISION) WITHIN 1.5 M OF A HOT TUB

AVERTISSEMENT : DANGER D'ÉLECTROCUTION. NE PAS PLACER D'APPAREIL ÉLECTRIQUE (LUMIÉRE, TÉLÉPHONE, RADIO, TÉLÉVISEUR, ETC) À MOINS DE 1.5 M DE CETTE CUVE DE RELAXATION

WARNING: THIS MARKING SHALL BE REMOVED BY THE END USER OF THIS PRODUCT ONLY

AVERTISSEMENT : SEUL L'UTILISATEUR DE CE PRODUIT PEUT ENLEVER CE MARQUAGE.

IMPORTANT SAFETY INSTRUCTIONS

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

- A) **READ AND FOLLOW ALL INSTRUCTIONS.**
- B) A GREEN COLORED TERMINAL OR A TERMINAL MARKED G, GR, GROUND, GROUNDING, OR THE ⊕ SYMBOL IS LOCATED INSIDE THE SUPPLY TERMINAL BOX OR COMPARTMENT. TO REDUCE THE RISK OF ELECTRIC SHOCK, THIS TERMINAL MUST BE CONNECTED TO THE GROUNDING MEANS PROVIDED IN THE ELECTRIC SUPPLY SERVICE PANEL WITH A CONTINUOUS COPPER WIRE EQUIVALENT IN SIZE TO THE CIRCUIT CONDUCTORS SUPPLYING THIS EQUIPMENT.
- C) 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.
- D) ALL FIELD-INSTALLED METAL COMPONENTS SUCH AS RAILS, LADDERS, DRAINS, OR OTHER SIMILAR HARDWARE WITHIN 3 M OF THE SPA OR HOT TUB SHALL BE BONDED TO THE EQUIPMENT GROUNDING BUS

WITH COPPER CONDUCTORS NOT SMALLER THAN NO. 6 AWG.

E) **SAVE THESE INSTRUCTIONS.**

F) **DISTINGUISHING BETWEEN P&P AND NON P&P INSTALLATION:**

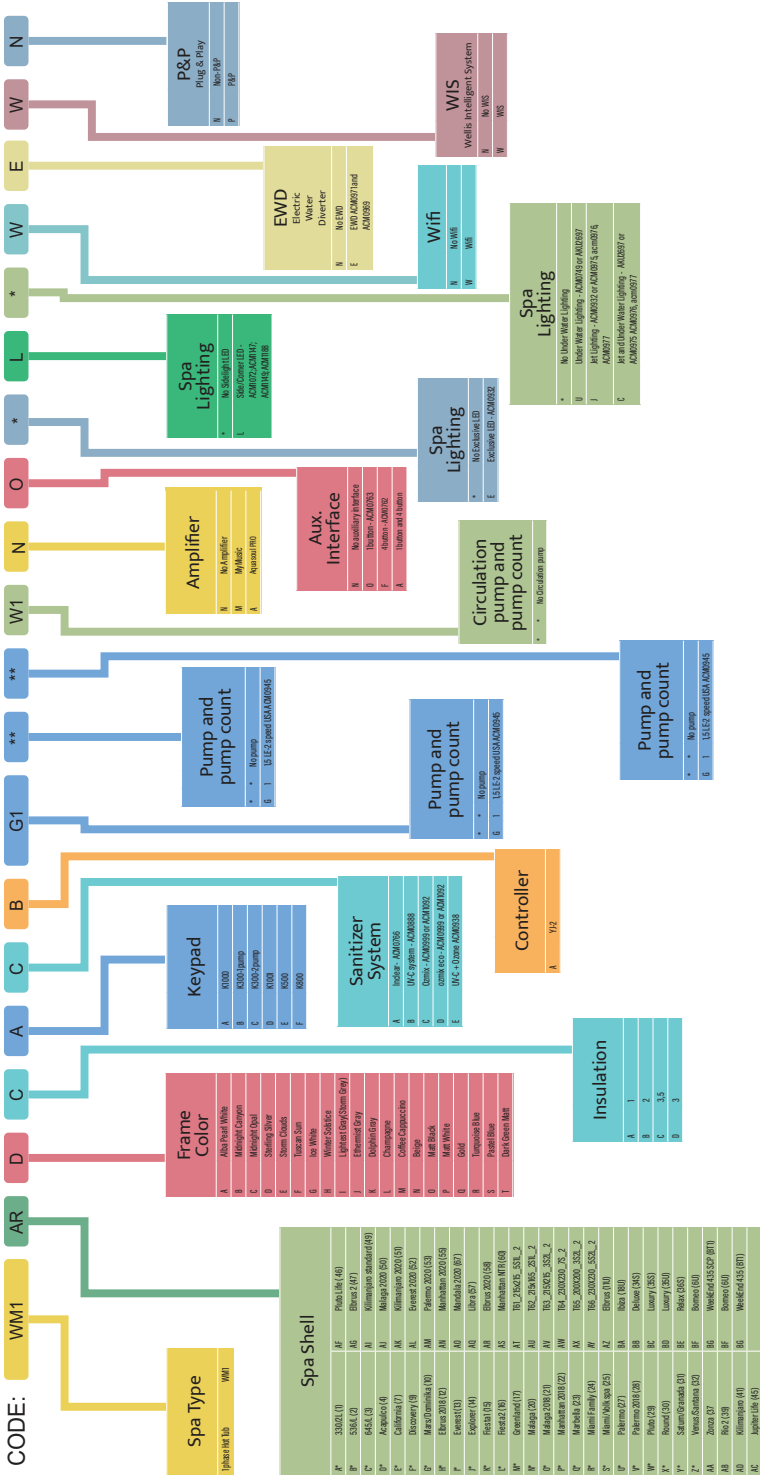
IT'S IMPORTANT TO DIFFERENTIATE BETWEEN PLUG & PLAY (P&P) AND NON PLUG & PLAY (NON P&P) INSTALLATION METHODS AS THEY IMPACT THE SETUP OF THE HOT TUB, PARTICULARLY REGARDING THE SECURING OF THE HOT TUB AND THE PLACEMENT OF WIRES.

NON P&P INSTALLATION:

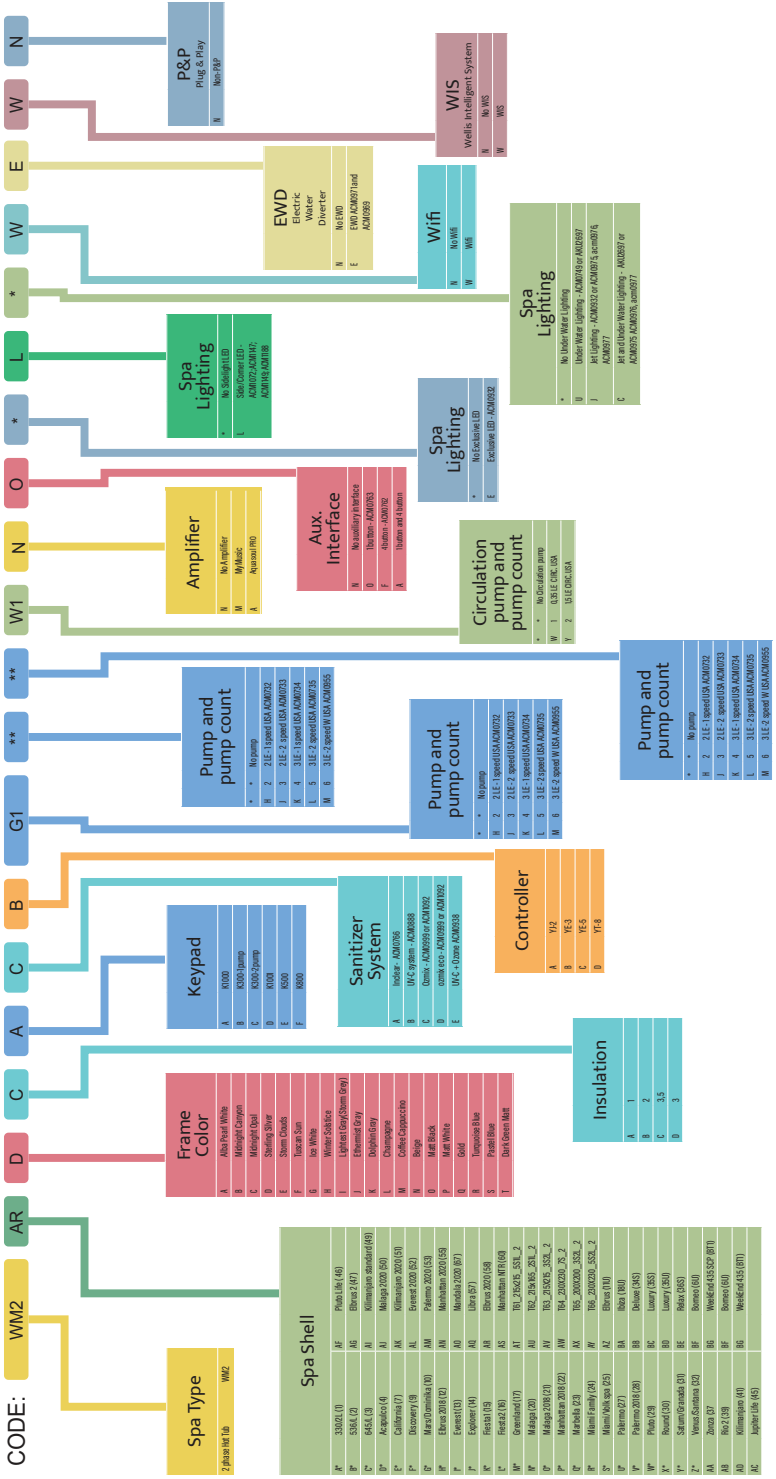
IN CASES WHERE THE HOT TUB IS NOT SET UP AS A PLUG & PLAY SYSTEM, IT IS NECESSARY TO SECURE THE HOT TUB TO PREVENT THE POWER CORD FROM MECHANICAL DAMAGE. THIS IS PARTICULARLY CRUCIAL IF THE HOT TUB IS NOT SUNK INTO ANY LEVEL.

THE MOVEMENT OF THE HOT TUB CONSTITUTES A REINSTALL IN EVERY CASE, PLEASE ENSURE THAT THE HOT TUB CANNOT MOVE.

WM1ARDCACBG1****W1NO*L*WEWN



WM2ARDCACBG1****W1NO*L*WEWN



INITIAL INSTALLATION

SITE PREPARATION

When choosing a site for the hot tub take into account that its maintenance and repair works must be carried out behind the sidewalls, so accessibility and hot tubce to walk around the hot tub must be ensured.

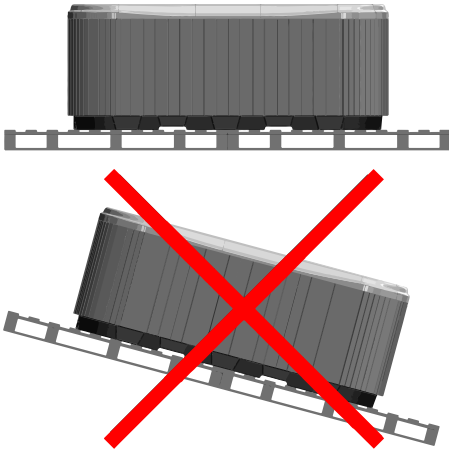
1. INDOOR/BASEMENT INSTALLATION

If you place your hot tub indoors, be aware of some special requirements:

Water may accumulate around the hot tub, so the flooring material must have a proper runoff to avoid accumulation of water. When building a new room for the hot tub, constructing a floor drain is required, or damages may occur due to overflow, overfilling, or technical failure. Our company does not take responsibility for any damage in absence of floor drainage. Humidity will naturally increase in the room where the hot tub is located and the evaporated water condenses. For this reason ensure that the area has proper ventilation. We recommend installing a dehumidifier in the room.

2. OUTDOOR AND PATIO INSTALLATION

A solid horizontal foundation is necessary for installation of the hot tub. We advise using a reinforced concrete foundation at least 10-15cm thick. Do not shim the spa, it may casue not repairable damages. The base to be even and horizontal.



Ensure that your deck or foundation will support your hot tub. You must know the maximal load capacity of the foundation. Consult a qualified building contractor or structural engineer.

To find out the weight of your hot tub, its contents and occupants please refer to the hot tub specification chart. This weight must not exceed the structure's rated capacity per square meter, otherwise serious structural damages could result. If you install the hot tub outdoors, we recommend a reinforced horizontal concrete pad at least 10-15cm thick.

Install floor drains around your hot tub to lead water away even in heavy rain.

When constructing the water drain it is advised to form a 10-15cm deep sloping ditch around the hot tub which directs water to the drain. Water from the drain must be directed to the canal or a drainage with enough capacity.

Warning: Do not expose the hot tub to direct sunlight (not even empty) without proper coverage. The insulated hot tub cover preserves the water temperature and provides protection from sunlight and rain. When exposed to sunshine for a longer period it may damage the surface of the hot tub and the hot tub equipment.

Acrylic rapidly absorbs heat from sun rays, thus reaches a very high surface temperature which may damage the hot tub.

In case of sealed design, if the hot tub was placed between glass structures, prevent the sun rays from reaching the hot tub directly through the glass as the temperature may get too high.

3. IN-GROUND / SUNKEN HOT TUB

In case of sinking the hot tub into the ground you must make sufficient space for walking around the hot tub. For completion of maintenance works a minimum of 60cm wide inspection pit must be built around the hot tub.

The inspection pit's bottom must be under the bearing pont of the hot tub so that water can flow into the pit in case of water leakage. A floor drain or sump pump should be used at the bottom of the pit to ensure continual water drainage.

In case of sinking the hot tub only the portion below the hot tub's acrylic edge can be sunk. The air of the inspection pit steams up. To prevent unpleasant odors proper ventilation must be provided (e.g. installing ventilators). The costs of pulling the hot tub out of the ground are borne by the user. If the aforementioned conditions are not present, setting up the hot tub may fail.

First filling of the hot tub

Proper filling of the hot tub is an important task both technically and chemically. We advise installation and periodic maintenance by the servicing professionals, which includes inspection and refilling of hot tub water. Hot tubs do not contain water softener and hard water damages the equipment. Improper filling of the hot tub may bring air into the system, which damages the heating wire and engines. Repairs after such failures are not covered by warranty.

INITIAL INSTALLATION

Filling process

Remove the hot tub cover. First remove the cover staves, then remove the side covers by unscrewing the bottom screws. During transportation the flare fittings of engines may dislocate. Check these connections before installation. If necessary, tighten the flare fittings.

Before filling the hot tub check that the Slice valves are not in a closed state (lever is pulled out and fixed with the safety lock).

Next fill the hot tub with water to the sign indicated on its sidewall.

Filling must be done through the filter housing. Improper filling can damage the engines and heating element.

Insert the filter or filter cartridges when proper water level is reached. Be cautious, because when replacing the filter cartridge air bubbles may remain in the cartridge. To avoid this the filter cartridges must be tilted in the water to remove air from them, and only then fitted to their place.



INITIAL INSTALLATION

IONIC EXCHANGE WATER SOFTENER AND CARBON FILTER

For the optimal quality the following steps shall be followed during the usage:

1.

Please check the required water volume in the manual of the spa or contact our customer service for help. The exact volume is needed for the precise filling.

2.

Please remove the covering caps from both ends to connect the filling hose.



3.

Please connect the carbon filter to the water hose via the screw thread gasket (included with the filter).



4.

Please run water through the filter into a separate vessel until it becomes perfectly clear. This step allows the filter to rinse from the remaining carbon powder. The rinse cycle lasts for 30 seconds at most with approx 10 litres of water.



0'-30'



>30'

5.

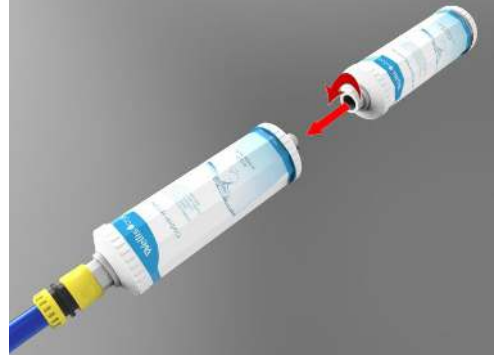
Through the clean filter fill up the spa with one third (1/3) of the total volume (e.g.: with 1000 litres of total volume 1/3 is 300 litres). It is important to follow the instructions of the filling for it is crucial to set the precise water hardness.



Insert the filter or filter cartridges when proper water level is reached. Be cautious, because when replacing the filter cartridge air bubbles may remain in the cartridge. To avoid this the filter cartridges must be tilted in the water to remove air from them, and only then fitted to their place.

6.

After the filling please remove the caps from the water softener cartridge too and connect it with the carbon filter. With water softener the rinsing is significantly faster, so only this first 1 liter needs to be drained separately!



7.

Please check the water hardness during the filling with the softener. There are multiple choice of using a hardness tester. Testers sold by Wellis are showing the hardness level on a colour scale.

If the value shown is less than the optimal value the water will create foam during the usage, if the value is more that will cause limescaling.



8.

If the water hardness is extremely low during the filling please remove the softener cartridge and continue the filling with only the carbon filter as it shown at point 5.

MAINTENANCE

FILTER CARTRIDGE REMOVAL AND CLEANING

Cleaning mechanical contaminations via continuous water circulation and chemical mixture is a basic requirement for proper cleaning of the spa water. Every spa has an engine designed for this purpose. The circulation engine circulates the water through the filter(s). The filter protects against contamination floating in the water.

Cleaning of the filter cartridges is recommended weekly.

Soaking the filter cartridges in water mixed with chlorine or antialgae agents for 24 hours is recommended monthly.

Changing the filter cartridges is necessary every 3 months.

SURFACE MAINTENANCE

Wipe the surface with a wet cloth. Always use a neutral cleaning product and a soft wiping cloth. Never scratch the acrylic surface with an abrasive tool, blade, or knife, because it may cause damage. Never use nail polish remover, acetone, or paint stripper when cleaning the surface because it may cause damage.

Maintenance manual for the control panel of the spa:

- Do not damage the control panel with anything hard. If possible,
- Avoid exposing the control panel to direct sunlight.
- When not using the spa, always use a spa cover.

WINTERIZATION

Remember to correctly maintain the spa if you are not using it in the winter. If you are not using your spa during the winter months and want to put it out of service properly, call one of our qualified professionals to winterize your spa at a prearranged date and time.

The winterization encompasses the following:

- Drainage of used water
- Cleaning of the inner surface of the spa
- Dewatering of pipe and jet system
- Dewatering and disconnecting the engine's interface
- Delivery - reception

If the spa is not winterized properly, the system can retain water that can easily freeze during the winter months. This can cause heavy irreparable damage to the pipes and the engine. This will void the warranty.

Maintenance of the out-of-service spa:

When you are not using the spa, use the thermo cover and fasten it with the buckles. Do not forget! If the spa is filled with water and you are not using it, lift the cover at least once a week to ensure proper ventilation. The thermo cover is multipurpose. Most importantly it decreases the heating time of the water to operational temperature and decreases the energy needed to maintain water temperature, decreasing the operational costs.

Using the cover you can avoid leaves, rain, snow, or other contamination entering the spa water, effectively sealing it off from environmental effects.

Fastening the cover with buckles prevents young children from using it without parental supervision.

CLEAN THE FILTER CARTRIDGES WEEKLY AS FOLLOWS:

WARNING!

Changing the filter cartridges is recommended every 3 months!

Operating the spa without a filter cartridge is PROHIBITED

1. Remove the lid of the filter.
2. Take out the filter cartridge.
3. Clean contamination from the cartridge with water.
4. Soak the cartridge in lukewarm water mixed with chlorine or antialgae agents for 1-2 hours, then rinse it.

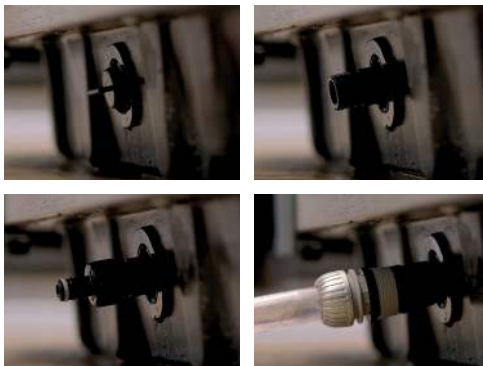
Never use an alkaline detergent or a high-pressure cleaner to clean the filter!



DRAINING THE WATER

You can drain the water via the drain outlet in accordance with environmental standards.

1. You'll need a hose a wet and dry vacuum cleaner and a bottle of wellis crystal spa cleaner fluid.
2. Pour the cleaner fluid into the water one day before draining and run the open jets at maximum performance for 20 to 25 minutes. The cleaner will remove any lime scale and dirt from the spa and its pipe work.
3. Before draining the spa remove the filters, this is a good time for cleaning or replacing them.
4. You don't need a pump for draining the water pull out the draining valve to the limit.
5. Remove the cap and attach the hose.
6. Push back the valve halfway then rotate and secure it in this position, this will start the flow of water. We recommend rinsing the tub while it drains
7. When the tub is empty remove the hose and close the valve.
8. Use a wet and dry vacuum to clean up any remaining water from the spa and the jet nozzles.



SPA CHEMICAL TREATMENT

SPA CLEANER (WV00080)

Spa Cleaner has been specially designed for cleaning your pipes and your spa pool. It dissolves calcium and remaining dirt in your lines. We advise to use Spa Cleaner every time you change the water, we recommend to do this every three months. Spa Cleaner is environmentally friendly and bio-degradable.

Instructions:

1. Add 250 ml of Spa Cleaner to your spa, 24 hours before changing the water.
2. Make sure all jets and valves are open, and switch on the pumps at full power for 15 minutes. Repeat this 3 times, with enough time in between.
3. Remove the filter before you drain your spa water.
4. Clean the filter with Wellis Crystal Filter cleaner.
5. Rinse out the spa with clean water.
6. Fill your spa and place the clean filter back.
7. Resume your normal water treatment schedule with Wellis Crystal All in one Water treatment.



ALKALINITY BALANCER (WV00091)

Increases total alkalinity and prevents fluctuating pH values. Alkalinity is important to be able to check the pH value.

Instructions:

1. Shake well before use
2. Add 1 or 2 tablespoons of Alkalinity Balancer to the spa water
3. Put your pumps on circulation for at least 30 minutes
4. Test the alkalinity value again and repeat the treatment until the alkalinity value is between 80 and 120 ppm



BRIGHT AND CLEAR (WV00090)

For neutralizing dirt, soap, oil in all spas. When added regularly, ensures crystal clear water.

Instructions:

1. Add 100ml into the spa. Pour product directly into the spa and run the filter system for 1 hour.
2. Rinse the filter unit.
3. Put the filter back and enjoy your spa!



SPA CHEMICAL TREATMENT

FOAM DOWN (WV00093)

Anti-foam product for use in spas. Contains no oily substances. Designed for hot water applications.

Instructions:

1. Shake well before use.
2. Spray undiluted to the foam.
3. Repeat step two if needed.
4. Enjoy your spa!



PH MINUS (WV00096)

The pH value of the water in your spa is very important. If the pH value is good, the disinfection products can do their work in a good way. Wellis Crystal pH Minus lowers the pH in your spa.

Instructions:

1. Test the pH of your spa
2. If the PH is too high, adjust it with pH Minus.
3. Add 2 ml pH- per 1000 liter water, in order to decrease the pH value with 0.1 point.

METAL CLEAR (WV00094)

Prevents the accumulation of deposits on the metal components of the spa's nozzles. Interacts with metallic contamination before it can cause invisible deposits in your spa. Neutralizes iron, copper, and other water-bound minerals and keeps them from accumulating on the spa's surfaces and causing damage there.

Use whenever you fill your spa to quickly neutralize metals and prevent unsightly staining.

Features:

- Prevents iron, copper, and other minerals from accumulating in the spa.
- Use whenever you exchange the spa's water to quickly neutralize metals and prevent deposits.
- Only use when the entire spa water is being exchanged - the product is of high concentration.

Instructions:

- Interval: whenever the spa is being (re-)filled.
- Evenly spread 250 ml of Metal Clear in the spa.
- Run the filter system for 30 minutes.



SPA CHEMICAL TREATMENT

FILTER CLEANER (WV00079)

If you clean the filter once a week, it is easier to keep the water crystal clear.

Instructions:

1. Take the filter out of your spas filter housing.
2. Fill a bucket with 10 liter hot water, put 2 scoops of Filter cleaner in and leave the filter in this solution for 1-1.5 hours (turn the filters during this process).
3. Rinse the filter, and put it back in its place.



WELLIS CRYSTAL ALL-IN-ONE (WV00081)

Instructions:

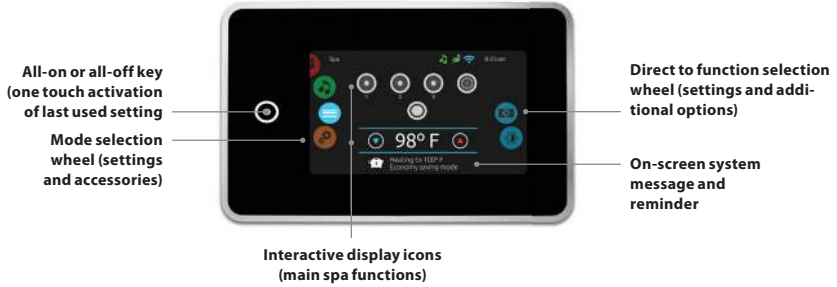
- Shake the Wellis Crystal bottle well.
- Add the correct amount to your spa using the table below.
- Let the pump run at full power for 2 minutes.
- Add your disinfectant, for example 1 90/20 chlorine tablet.
- Repeat these steps weekly.

USER INTERFACE - SMART TOUCH

SMART TOUCH

TOUCH SCREEN KEYPAD

No buttons, keys and overlays! Mode and function selection wheels, all-on or all-off one touch activation key of last used settings, interactive display icons and on-screen messages are all elements of the Smart Touch user interface designed to let spa users interact intuitively with their spa and its value-added accessories.



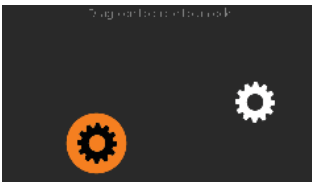
NOTIFICATION ICONS

Notification icons at the top right-hand side of the screen show the status of connected value-added accessories.



SPAS FUNCTIONS

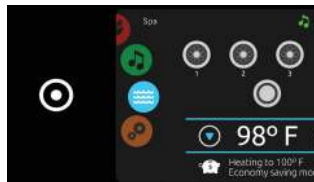
Quick and easy step-by-step instructions to control the main functions and to configure the system settings of your spa from its Smart Touch main spa keypad.



TURN KEYPAD ON

3 minutes after the last pump is turned off, the screen will shut off if there is no touch activity.

Touch the screen to turn on the keypad. Then follow the instructions on the screen to access the main screen.



ALL-ON, ALL-OFF TARGET KEY

Smart Touch features an all-on or all-off one touch activation key of last used settings that, when pressed, stops or starts all working components and accessories at once.

From the home page you can access the following modes:

- sanitization (with in.clear connected)
- audio (with Aquasoul Pro connected)
- color (with in.mix installed)
- spa
- settings

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

USER INTERFACE - SMART TOUCH

SPA MODE



SPA MODE

To select the spa mode, slide the left wheel up or down until the spa icon is highlighted in the middle. The home page will be displayed its equipment start or stop keys, up and down buttons, water temperature, messages and quick access to display options:

- display orientation
- display contrast

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

START OR STOP ACCESSORIES

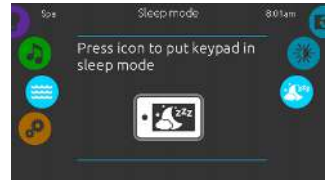
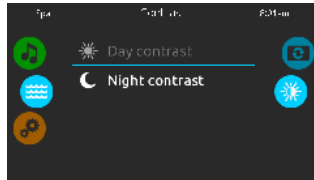
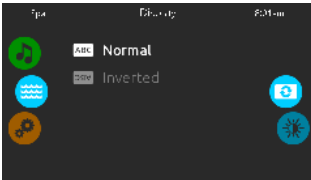
To start or stop an accessory (pump, blower, light), touch the associated icon. Icons will become animated when their accessory is turned on, and animation will stop when turned off.

Icons on the screen will reflect the speed or state of the devices running on your spa. When an accessory has more than one speeds press the button until it reaches the desired speed.

WATER TEMPERATURE

The temperature shown at the bottom of the screen shows the current water temperature. Use the Up and Down icon 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.

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. Normally there is a short delay before the heating starts, during which Heating Suspended is indicated under the value.



DISPLAY ORIENTATION

To modify the display orientation settings, slide the right wheel until the display orientation icon is highlighted in the middle. Simply touch the line of the orientation you want to select.

DISPLAY CONTRAST

To modify the display contrast settings, slide the right wheel until the display contrast icon is highlighted in the middle. Simply touch the line of the contrast you want to select.

SLEEP MODE

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

USER INTERFACE - SMART TOUCH

SETTINGS

You can use the Settings mode to manage settings of your spa system.



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

In the Settings page you can access the following:

- water care
- maintenance
- date & time
- keypad
- electrical configuration
- wifi
- 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, set or modify one of the 5 suggested modes depending on your needs at any given time.



AWAY FROM HOME

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



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

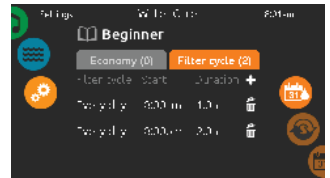
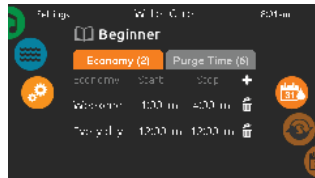
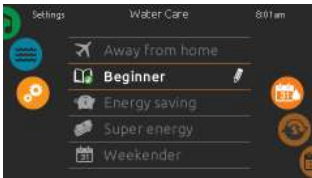
The spa will always be in economy mode during peak hours, every day of the week.



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.

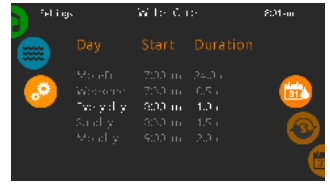
ECONOMY

Touch the Economy tab to change the economy schedule. You can add economy schedules by touching the « + » symbol . 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 « + » symbol . To delete a schedule, touch the garbage can icon at the right end of the desired line.

MODIFYING WATER CARE SCHEDULES



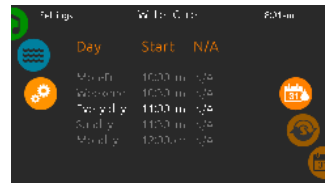
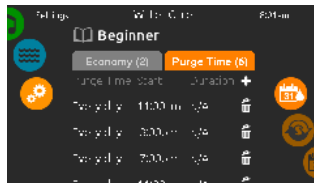
In Economy mode, the set point will be reduced by 20°F, which means that the heating system will not be engaged unless the temperature falls to 20°F below the spa's set temperature.

The filtration schedule shown on the 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.

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, use the calendar icon to go back.



PURGES

Touch the Purge tab to change the purge settings. You can add purges by touching the « + » symbol.

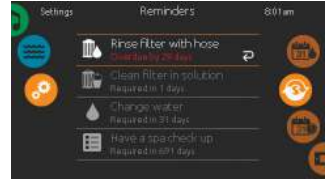
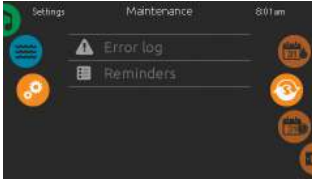
To delete a schedule, touch the garbage can icon at the right end of the desired line.

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, use the calendar icon to go back.

USER INTERFACE - SMART TOUCH

MAINTENANCE & ERROR LOG



MAINTENANCE

To modify maintenance settings, slide the right wheel until the maintenance icon is highlighted in the middle.

From the Maintenance page you can access the following:

- Error log
- Reminders

Simply touch the line of the item you want to change.

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.

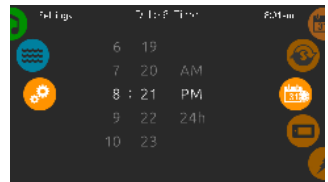
REMINDERS

Smart Touch 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.

DATE AND TIME



DATE AND TIME

To modify date and time settings, slide the right wheel until the date and time icon is highlighted in the middle.

Simply touch the line of the item you want to change.

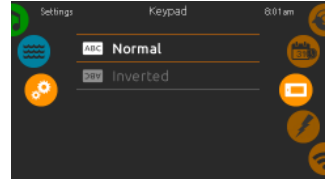
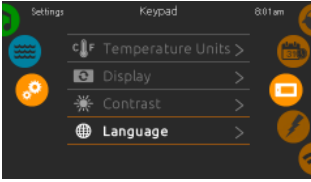
SET DATE

Here you can adjust the year, month and date. 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.

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 SETTING



KEYPAD SETTINGS

To modify keypad settings, slide the right wheel until the keypad icon is highlighted in the middle.

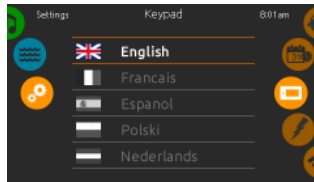
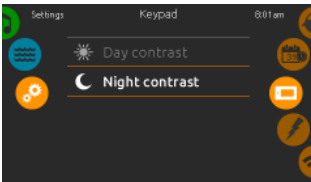
Simply touch the line of the item you want to change.

TEMPERATURE UNITS

Use this page to set or change the temperature in F° or C° units.

DISPLAY ORIENTATION

Use this page to set or change the normal or inverted display orientation.



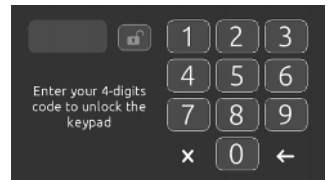
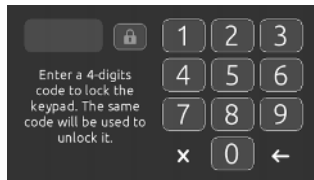
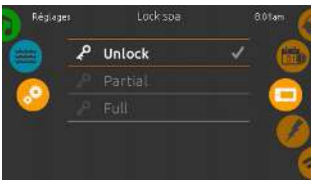
DISPLAY CONTRAST

Use this page to set or change the display day or night contrast.

DISPLAY LANGUAGE

Use this page to set or change the display language.

KEYPAD LOCK/UNLOCK



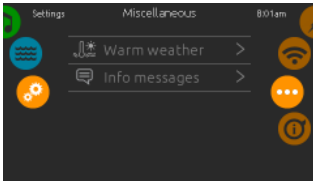
When this option is enabled, the user can partially or completely lock the keypad. When the user wants to lock the keypad he is asked to select a 4-digit code. The same code will be needed to unlock the keypad. Next time he wants to lock the keypad, he will be prompted again to select a 4-digit code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

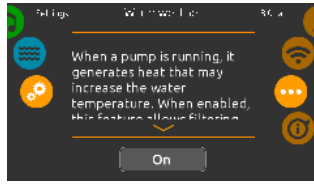
In Partial Lock, you may only activate accessories. Settings may not be changed in this mode.

MISCELLANEOUS



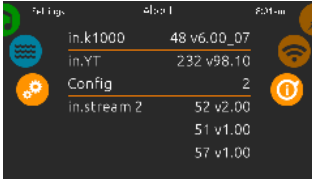
This menu gives access to modify the Warm Weather option and info messages in the media center.

WARM WEATHER



When pumps are running, they produce heat that may increase your water temperature. "Warm Weather" option gives you the option to bypass the pack filtration over temperature feature. When Warm Weather is "OFF" the filtration over-temperature is disabled and your spa filtering will continue even if the water temperature is high.

ABOUT YOUR SPA SYSTEM



ABOUT

To get info about your spa system, slide the right wheel until the about icon is highlighted in the middle.

Information about Smart Touch software number and the revision numbers of the different components of your system will be displayed.

ELECTRICAL CONFIGURATION



Please do not make changes in this section unless you are a qualified electrician.

A password will be required. Please contact a representative in order to obtain that password.



To change the low-level configuration, the number of phases and the input current of your spa system, slide the right wheel until the electrical configuration icon is highlighted in the middle.

USER INTERFACE - SMART TOUCH

AUDIO MODE

(only available if the system detects a connected Aquasoul Pro audio station)



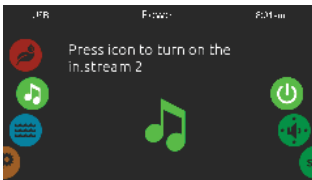
To select the audio mode, slide the left wheel up or down until the audio icon menu is highlighted in the middle.

In the Audio page you can access the following:

- Aquasoul Pro on/off
- speaker calibration
- audio source selector
- bluetooth pairing

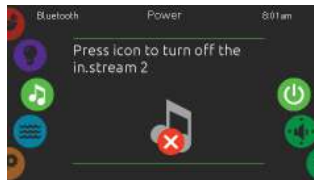
To select an item, slide the right wheel until the desired icon is highlighted in the middle.

ON/OFF



TURN AQUASOUL PRO ON

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



TURN AQUASOUL PRO OFF

Press on the audio icon in the center of the screen to turn Aquasoul Pro 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.

USER INTERFACE - SMART TOUCH

SPEAKER CALIBRATION



TO CALIBRATE YOUR SPEAKERS

Slide the right wheel until the speaker calibration icon is highlighted in the middle.

You can calibrate:

- balance
- fade
- subwoofer

Use the sliders to calibrate the speakers at the desired level.

The fade and subwoofer sliders will only appear on the screen if the corresponding speakers are installed on Aquasoul Pro.

AUDIO SOURCE SELECTOR



TO SELECT AN AUDIO SOURCE

Slide the right wheel until the source icon is highlighted in the middle.

In the menu list, the following sources are available:

- Bluetooth
- USB
- Aux. 1

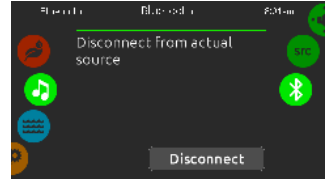
Simply select the desired one to use.

Note that only the sources installed on Aquasoul Pro will be displayed in the source menu. The USB and Aux. 1 connections are on the in.stream2 unit, they are not led out.

Please note that the Play/Pause and Change Track functions apply to devices using Bluetooth technology and USB, and will not work when AUX is selected as the source.

Please refer to the Aquasoul Pro connexions section to learn how to connect your Bluetooth device.

BLUETOOTH PAIRING



If you are using a device with Bluetooth technology, it must be connected for functions to work.

Slide the right wheel until the bluetooth icon is highlighted in the middle. Then follow the instructions displayed on the screen.

If a device with Bluetooth technology is connected to Aquasoul Pro, you can disconnect it by pressing the Disconnect button at the bottom of the screen.

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

USER INTERFACE - SMART TOUCH

TOO MUCH WATER ON DISPLAY

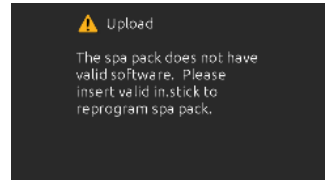
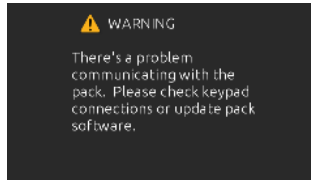


WIPE SCREEN

This message appears when too much water is detected on the touch screen. Simply wipe away excess water.

INSTALLATION ERROR MESSAGES

Upon connecting Smart Touch to your spa system you may see one of two error messages. Please follow the instructions in the message or contact your dealer for more information.



Error messages on the screen list and definitions:
<http://geckokeypads.com/k1000errormessages>

SMART WINTER MODE (SWM)

There is a thermometer sensor in the control unit that measures the temperature of the machinery. It monitors how cold it is outside the cover - including the insulation - and turns on the motors from time to time to direct hot water into the machinery to avoid freezing.

The SWM (Smart Winter Mode) will not turn on if the sensor measures above 21C. However, if it falls below that, it will turn on for 24 hours.

- if it measures 20-16 degrees, it will run the motors for 1 minute every 2 hours.
- if it measures 15-13 degrees, it will run the motors for 1 minute every hour.
- if it measures 12-11 degrees, it will run the motors for 1 minute every 30 minutes.
- if it measures 10 degrees (or less), it will run the motors for 1 minute every 15 minutes.

This is a safety function which cannot be turned off!

WARM WEATHER FUNCTION

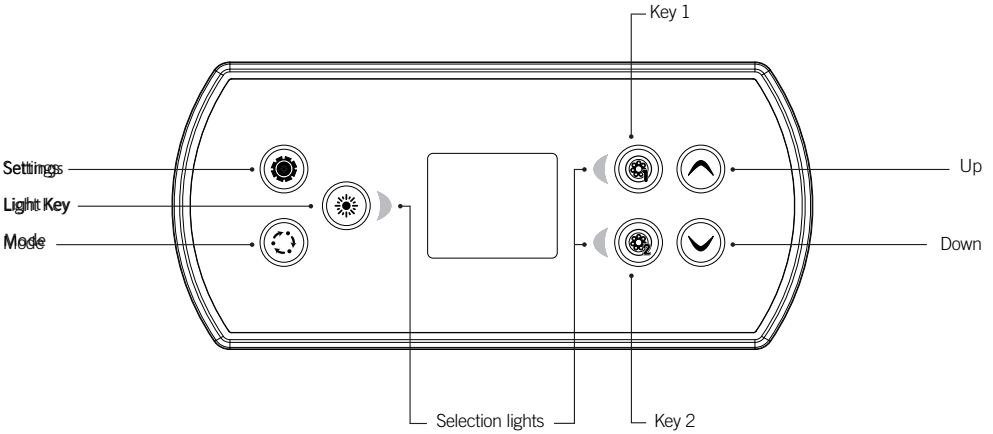
During the filtration cycle, the kinetic heat generated by the circulating motors is transferred to the pool water, so the pool water temperature can possibly rise above the set temperature on the control panel. The control unit continuously monitors the water temperature during the filtration cycle and if it rises above the set temperature by more than 3 degrees celsius, it automatically shortens the duration of the filtration period so the water does not overheat.

Besides continuously measuring the water temperature, it automatically changes the duration of the filtration period, but filters for at least 4 hours if the spa is equipped with a circulating motor, or for at least 2 hours if the water is filtered by the massage motor.

This function can only be turned off on whirlpools equipped with a colour touch screen.

KEYPAD FUNCTIONS

In.k500 keypad layout



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

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.

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 on your spa, the Mode key can be used to directly change your display orientation.



Power

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

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.

KEYPAD FUNCTIONS



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.



Water temperature

The temperature shown at the top of the screen is the current 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.

When the set value is lower than the current temperature Cooling to xx.x will appear. When the set value is higher than the current temperature, Heating to xx.x will be indicated. Normally there is a short delay before the heating starts, during which Heating Suspended is indicated.

KEYPAD FUNCTIONS



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)
- Standby
- Maintenance
- Date & time
- Keypad
- Wi-Fi
- 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.

KEYPAD FUNCTIONS



Water care

The Water Care section will help you set up your ideal filtration and heating settings. Choose from Away, Standard, Energy Savings, Super Energy Savings, and Weekender, depending on your need. Use 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

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 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*.

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

KEYPAD FUNCTIONS



Modifying schedules

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.



The filtration schedule shown on the 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.

KEYPAD FUNCTIONS



Maintenance

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

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

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 the Key 1 to leave Standby mode and restart the spa.

Note:

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

KEYPAD FUNCTIONS



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. If you don't have any accessories installed on your spa, the Mode key can be used as a display orientation key. Simply press on it to change your orientation from normal to inverted, and vice versa.

Whether the display is inverted or not, the Mode and Menu keys remain unchanged, as well as the accessory keys in the main Spa menu.



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.

KEYPAD FUNCTIONS



WiFi (in.touch only)

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)

KEYPAD FUNCTIONS



Config

Please do not make changes in the electrical configuration section unless you are a qualified electrician.

In this section you can change the low-level configuration, number of phases, input current and heat pump current.

Use Up/Down to move between parameters, and the Light key to select a parameter to change. Please refer to the techBook of your specific control system for spa for details about the low level settings.

Once you have changed the Number of Phases in the menu, you will be unable to use the Up/Down keys to return to the Low-level Configuration menu. Please go back and re-enter the Config menu.

Note with version 15.00 and higher:

Depending on the pack configuration, a code may be required to change these settings. This code is "5555".

KEYPAD FUNCTIONS

The list below shows the different error messages that can appear on the home screen.
Refer to the troubleshooting and error codes section of the TechBook for your spa pack system.

| Code | Message |
|-----------|--|
| HL | Warning! HL Error |
| 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 | Danger! Relay stuck |
| OH | Warning! Spa temp. high |
| Pr | Warning! Temp. probes defective |
| AOH | Internal pack temp. high |
| FLC | Flow switch closed |
| SP in | Input voltage issue |
| F1 | in.xm2 Fuse # 1 is blown |
| F2 | in.xm2 Fuse # 2 is blown |
| F3 | in.xm2 Fuse # 3 is blown |
| Hr | Danger! Thermal fuse error |
| UPL | The spa pack does not have valid software. Please insert valid in.stick to reprogram spa pack. |

MY MUSIC

NO EXTERNAL CONTROL UNIT



1. Listening to music via Bluetooth

1.1 Pairing Bluetooth devices

1. Turn on the Bluetooth device
2. Select ProwBT/MyMusic from the available devices and pair it (no password needed). Only one Bluetooth device can be paired with the Bluetooth Media Player at a time.

1.2 Listening to music via Bluetooth device

1. The Bluetooth mode is activated as soon as it is paired with a Bluetooth device.
2. Play music on the device and the Bluetooth Media Player will provide the sounds.
3. Press the PLAY/PAUSE buttons to play or pause the music.
4. Press the FAST REWIND/FORWARD buttons to play the previous/next track.
5. The songs/tracks and volume can be set directly on your Bluetooth device or with a remote control.

We would like to inform you that the new 2.0 speakers require a PIN for connection. The PIN number is: 2288

WIRING DIAGRAM - W3000

W3000



WIRING DIAGRAM - W3000

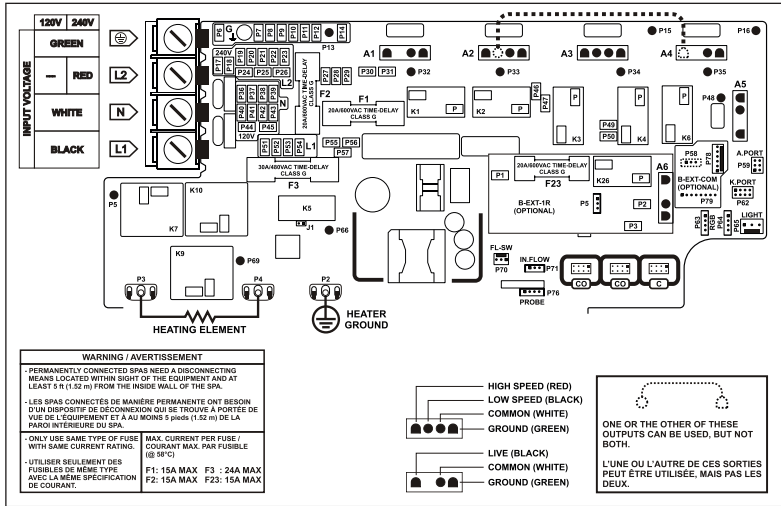
CONNECTIONS

CONNECTING HIGH VOLTAGE ACCESSORIES: ALL MODELS

Two options are available with Y Series spa packs for connecting high voltage accessories: 0.250" quick-connect terminals, or AMP connectors conform to industry standards.

CONNECTING HIGH VOLTAGE ACCESSORIES: NORTH AMERICAN MODEL IN.YE

For the connection to the 0.250 inch terminals, the high voltage accessories must be provided with female quick connect terminals, straight and non-insulated for all types of connections, including the ground. Accessories of 120 V or 240 V may be connected to the corresponding terminals of the printed circuit of the in.ye. Refer to the following tables for correct connections. Note that all female terminals must be correctly and completely seated on the printed circuit terminals for proper current ratings.



CONNECTION FOR MODEL WITHOUT AMP CONNECTORS:

DIRECT OUTPUT 1 (A5)

| Voltage | 120 V | | 240 V | |
|----------------|-------|-----|-------|-----|
| | P11 | P11 | P49 | P24 |
| Green / ground | P11 | P11 | P49 | P24 |
| Black / line | | | | |
| White / common | | | | |

PUMP 1 (A3)

| Voltage | 120 V | | 240 V | |
|-------------------|-------|-----|-------|------|
| | P8 | P8 | K2-P | K4-P |
| Green / ground | P8 | P8 | K2-P | K4-P |
| Black / low speed | | | | |
| Red / high speed | | | | |
| White / common | P38 | P21 | | |

PUMP 2 (A2)

(in.ye-5 only)

| Voltage | 120 V | | 240 V | |
|-------------------|-------|-----|-------|------|
| | P8 | P8 | K6-P | K3-P |
| Green / ground | P8 | P8 | K6-P | K3-P |
| Black / low speed | | | | |
| Red / high speed | | | | |
| White / common | P37 | P20 | | |

PUMP 3 (A4)

(in.ye-5 only)

| Voltage | 120 V | | 240 V | |
|----------------|-------|-----|-------|-----|
| | P10 | P10 | K6-P | P39 |
| Green / ground | P10 | P10 | K6-P | P39 |
| Black / line | | | | |
| White / common | | | | |

Optional output (A26)

(in.ye-4 or -6 only)

| Voltage | 120 V | | 240 V | |
|----------------|-------|-----|-------|-----|
| | P12 | P12 | K26-P | P45 |
| Green / ground | P12 | P12 | K26-P | P45 |
| Black / line | | | | |
| White / common | | | | |

Circulation pump* (A1)

| Voltage | 120 V | | 240 V | |
|----------------|-------|----|-------|-----|
| | P7 | P7 | K1-P | P36 |
| Green / ground | P7 | P7 | K1-P | P36 |
| Black / line | | | | |
| White / common | | | | |

Pump 2 (A2)

(in.ye-3 only)

| Voltage | 120 V | | 240 V | |
|-------------------|-------|----|-------|-----|
| | P8 | P8 | K2-P | P37 |
| Green / ground | P8 | P8 | K2-P | P37 |
| Black / low speed | | | | |
| White / common | | | | |

Light (12 V dc, 1.3 A Max.)**

| |
|-----|
| P65 |
|-----|

LEDs RGB (in.lu.me only)

| |
|----------|
| P63; P64 |
|----------|

* Ozonator and circulation pump can be combined on the same output via the optional splitter PP1.

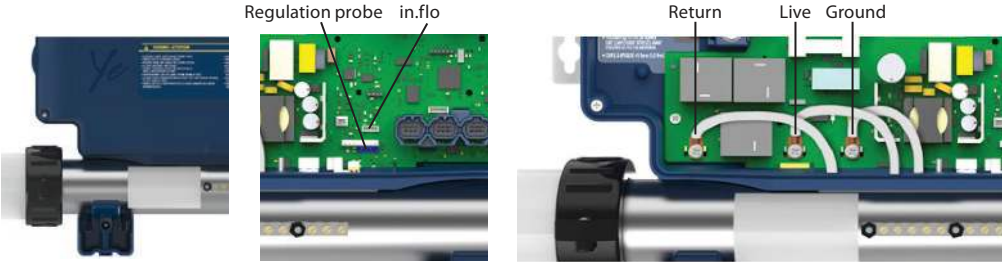
** Max. available current for Light and LEDs RGB together.

This table shows typical connections. OEMs may have a different connection scheme.

WIRING DIAGRAM - W3000

CONNECTIONS

HEAT.WAV WATER HEATER CONNECTIONS



in.ye systems come with a high performance heat.wav heater. With no pressure switch, it features in.flo integrated dry-fire protection.

The heat.wav heater is factory configured for 240 V / 4 kW, but it can be converted to a dedicated 120 V / 1 kW by simply adding a cable connection. (120 V conversion is available on North American in.ye-3 models only).

The heat.wav heater is also offered in 240 V / 5,5 kW or 240 V / 2 kW versions.

heat.wav specification summary:

- Supports 120 V or 240 V
- Incoloy® heater element
- Protected by external breaker (not fused)*

**Note: European models are 230-240 V only and are fuse protected.*

Part numbers:

9917-101959 (cable for conversion)

9920-101449 (5.5 kW heat.wav heater)

All heater connections are accessible when the cover is removed. These previously mentioned connections are installed from manufacturing and must not be removed. Connections include the in.flo dry-fire protection, hi-limit/regulation probe connectors, power and ground cable connections.



Connections for 240 V heaters (North American installations only)

BROWN wire must be correctly connected between P5 and P17.

Connections for 120 V heaters (1 kW)

BROWN wire must be correctly connected between P5 and P44.

Note: To convert model to a 120 V system, whites cables from the AMP connectors and from all accessories must be shunted. See wiring diagram for details.

WIRING DIAGRAM - W3000

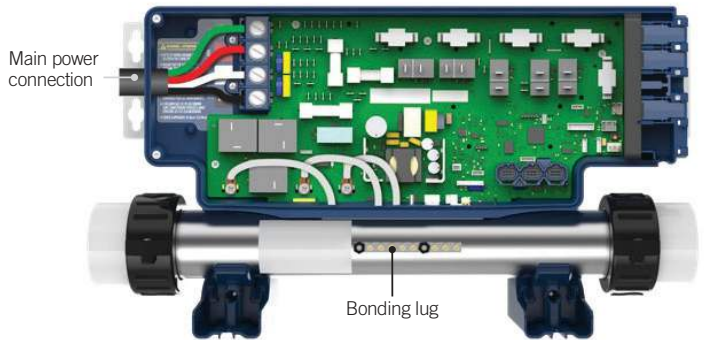
ELECTRICAL WIRING

ELECTRICAL WIRING : ALL MODELS



Warning

Disconnect power before starting electrical work. Wiring must be completed by a qualified electrician and must be done in accordance with the local electrical code.



To complete the electrical connections of our in.ye control system you will need a Phillips screwdriver and a flat-head screwdriver (slotted head size between 5/16" and 3/8").

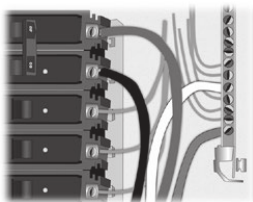
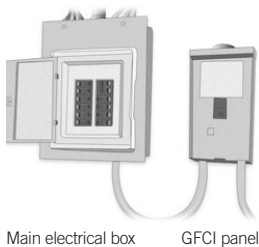
Remove the screws from the system control lid and remove it.

Remove 5 1/2" (142 mm) of cable insulation.

Strip away 1" (25 mm) of insulation from each wire.

Pull the cable through the cutout of the box and secure it with a NPT strain relief* (hole diameter 1,335" [34,42 mm]). Ensure that the NPT strain relief clamps are around the outer sheath of the cable.

* For CE use an IEC certified plastic bushing that will maintain the IPX5 rating.



Warning

For units to be installed in other than single-family dwellings, a clearly labeled emergency switch shall be provided as part of the installation. The switch shall be readily accessible to the occupants and shall be installed at least 5' (1.52 m) away, adjacent to, and within sight of the unit.

This product must always be connected to a circuit protected by a ground fault interrupter.

Proper wiring of the electrical service box, GFCI and in.ye terminal block is essential!

Check your electrical code for local regulations. Only copper wire should be used, never aluminum.



Disposal of the product

The appliance (or the product) must be disposed of separately in accordance with the local waste disposal legislation in force.

BREAKER SETTING



Config

Please do not make changes in the electrical configuration section unless you are a qualified electrician.

In this section you can change the low-level configuration, number of phases, input current and heat pump current.

Use Up/Down to move between parameters, and the Light key to select a parameter to change. Please refer to the techBook of your specific control system for spa for details about the low level settings.

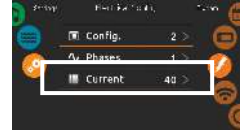
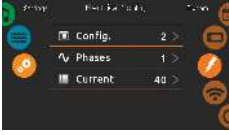
Once you have changed the Number of Phases in the menu, you will be unable to use the Up/Down keys to return to the Low-level Configuration menu. Please go back and re-enter the Config menu.

Note with version 15.00 and higher:

Depending on the pack configuration, a code may be required to change these settings. This code is "5555".

BREAKER SETTING

FOR COLOR DISPLAY KEYPAD GO IN SETTING MENU



It is important to specify the current rating of the GFCI/RCD used to ensure a safe and efficient current management (and reduce nuisance GFCI/RCD trippings).

Choose the number of phases supplying your spa (1 to 3). Use the **Up** or **Down** keys to select the number of phases and press on the **Prog.** key to confirm your selection.

W3000 Selecting number of phases

| | |
|----------|-----------|
| CE | 1, 2 or 3 |
| CE Swim* | 1, 2 or 3 |

* For more information see the **Swim spa system Techbook.**

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

Use the Up or Down keys to choose the desired value.

The value can typically be modified from 10 to 48 A.

Press on the Prog. key to set the breaker rating.

The tables below indicate the typical value of b for different GFCI/RCD ratings.

Choose the one that corresponds to your breaker.

Note: Every OEM has its own pre-established configurations.

REQUIRED GFCI/RCD - AMPERAGE SETTINGS

| W3000 | |
|----------|-----|
| GFCI/RCD | b |
| 60A | 48A |
| 50A | 40A |
| 40A | 32A |
| 30A | 24A |
| 20A | 16A |

POWER UP AND BREAKER SETTING

IMPORTANT Please read the following before starting the device.

Verify that all accessories are linked to the ground lug and connected to the to the control system.

A minimum flow of 68 LPM (18 GPM) is required. Make sure that all valves are open in the spa plumbing and that the water flow is sufficient between the main pump and the water heater.

Turn on the breaker.

IN.FLO DRY-FIRE PROTECTION

At start up, the in.flo's detector verifies the water flow according to the following sequence:

The Pump 1 or the circulation pump runs for a period of 2 to 5 minutes.

The display will show "--" during the flow verification. After this time, the system confirms if flow is adequate or not.

If the flow is sufficient, the temperature of the water is displayed on the keypad screen. When the water has reached the consigned temperature plus 0.45°C (0.8°F), the water heater turns off.

COMMON HARDWARE ISSUES

| Problem | Usual Cause | Solution |
|-------------------------------------|---|--|
| System not operating | <ul style="list-style-type: none"> - House circuit breaker tripped or in OFF position | <ul style="list-style-type: none"> - Reset circuit breaker on house breaker panel |
| Heater not operating | <ul style="list-style-type: none"> - Water level too low - Heater mode not selected - No power to heater - Heater not operating - Jets are closed | <ul style="list-style-type: none"> - Add water to reach 6" (15.5 cm) below top lip of spa - Open all jets - Refer to temperature/heater functioning - Check house circuit breaker - Contact dealer |
| Water not clean | <ul style="list-style-type: none"> - Clogged or blocked floor suction or skimmer - Filter clogged (dirty) - Poor water chemistry - Insufficient filtering time - Improper maintenance - High content of solids in water | <ul style="list-style-type: none"> - Clean floor suction/skimmer - Remove blockage - Clean or replace - See Maintenance section - Run filtration mode longer - Contact dealer - Use clarifier or drain and refill spa |
| Abnormal water usage | <ul style="list-style-type: none"> - Excessive evaporation and/or splashing | <ul style="list-style-type: none"> - Use spa cover and refill as necessary |
| Overheating | <ul style="list-style-type: none"> - High ambient temperature | <ul style="list-style-type: none"> - Contact dealer |
| Low water flow from jets | <ul style="list-style-type: none"> - Operating in FILTER mode-low speed - Clogged or blocked suction or skimmer - Dirty filter - Jets in OFF position - Slice valves closed | <ul style="list-style-type: none"> - Select hi-speed jets - Clean floor suction/skimmer - Remove blockage - Clean or replace - Open jets - Contact dealer |
| Noisy pump and motor | <ul style="list-style-type: none"> - Clogged floor suction or skimmer - Low water level - Damaged or worn motor bearings | <ul style="list-style-type: none"> - Clean floor suction/skimmer - Add water to normal water level (6" or 15.5 cm below lip) - Contact dealer |
| No water flow from jets | <ul style="list-style-type: none"> - Pump not primed - Adjustable jets turned off - House circuit breaker tripped, no power to system - Faulty pump or motor - Pump surges - Slice valves closed | <ul style="list-style-type: none"> - See Priming section - Turn on jets - Reset circuit breaker at house panel - Low water. Check level on Weir door - Contact dealer |
| Water leakage from under spa | <ul style="list-style-type: none"> - Check unions & drain hoses | <ul style="list-style-type: none"> - Close or tighten as necessary |
| No air flow from jets | <ul style="list-style-type: none"> - Air control not open - Jet nozzle not seated properly - Jet nozzle missing | <ul style="list-style-type: none"> - Open control - Check jet nozzles - Inspect jets and replace as needed |
| Motor will not operate | <ul style="list-style-type: none"> - House circuit breaker tripped or in OFF position - Improper or defective wiring or electrical supply - Thermal Overload Protection switch tripped | <ul style="list-style-type: none"> - Reset circuit breaker - Contact dealer - Auto reset after motor has cooled. Contact dealer if motor continues to cycle |
| The spa will not shut off | <ul style="list-style-type: none"> - Spa trying to heat - Spa is in filter cycle | <ul style="list-style-type: none"> - Check Set Temperature - Check Filter Times |