



**ELEMENTAL**  
STARTUP AND USE

## READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY.

When installing and using this electrical equipment, basic safety precautions should always be followed, including:

- **Risk of Accidental Drowning.** Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use or approach the spa unless they are supervised at all times.
- **Risk of Serious Injury or Death.** The suction fittings in the 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 the 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.
- **Risk of Electric Shock.** Install at least 5 ft (1.5 m) from all metal surfaces. As an alternative, the hot tub may be installed within 5 feet of metal surfaces if each metal surface is permanently connected by a minimum No. 8 AWG (8.4 mm<sup>2</sup>) solid copper conductor attached to the wire connector on the grounding lug, inside the equipment compartment on the equipment can.
- **Risk of Electric Shock.** Do not permit any electrical appliance, such as a light, telephone, radio, television, etc. within 5 feet (1.5 m) of the Elemental. Never operate any electrical appliances from inside the Elemental or when you are wet.
- The electrical supply for this hot tub must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with section 680-42 of the National Electrical Code, ANSI/NFPA 70-1993. The disconnect must be readily accessible and visible to the spa occupant but installed at least 5 feet (1.5 m), from the hot tub's water.
- A grounding wire connector is provided on the hot tub to connect a minimum No. 8 AWG (8.4 mm<sup>2</sup>) 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 spa.
- Do not attempt to remove the light housing cover without lowering the water level below the light housing cover and turning the power off.

- **To Reduce the Risk of Injury:** The water in the hot tub should never exceed 104° F (40° C). Water temperatures between 100° F (38° C) and 104° F (40° C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when the use of the hot tub exceeds 10 minutes.
- **To Reduce the Risk of Injury:** Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100° F (38° C).
- **To Reduce the Risk of Injury:** Before entering the hot tub, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices may vary as much as +/- 5° F (2° C).
- **To Reduce the Risk of Injury:** The use of alcohol, drugs, or medication before or during use of the hot tub may lead to unconsciousness with the possibility of drowning.
- **To Reduce the Risk of Injury:** Pregnant women, the elderly, infants, or persons suffering from obesity or with a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes, should consult a physician before using a hot tub. Pregnant or possibly pregnant women should not enter water warmer than 100° F (38° C).
- **To Reduce the Risk of Injury:** 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.
- Observe a reasonable time limit when using the hot tub. Long exposures at high temperatures can cause high body temperature. Symptoms may include dizziness, nausea, fainting, drowsiness, and reduced awareness. These effects could result in possible drowning.
- Enter and exit the hot tub slowly. Wet surfaces can be very slippery.
- Proper chemical maintenance of the water is necessary to maintain safe water and prevent possible damage to spa components.
- Use the cover lock and secure the cover when not in use. This will help to discourage unsupervised children from entering the Elemental and keep the cover secure in high wind conditions. There is no guarantee that the cover, clip tie downs, actual locks will prevent access to the hot tub.

**SAVE THESE INSTRUCTIONS**

**In addition** to the preceding safety instructions, Canadian owners should read and understand the following information from the Canadian safety association:

- A green colored terminal or a terminal marked G, GR, Ground, Grounding, or the symbol \* is located inside the control box inside equipment compartment. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment.
  - IEC Publication 417, Symbol 5019.
- At least two lugs marked "BONDING LUGS" are provided on the external surface or on the inside of the supply terminal box/compartment. To reduce the risk of electric shock, connect the local common bonding grid in the area of the hot tub to these terminals with an insulated or bare copper conductor not smaller than No. 6 AWG.
- All field-installed metal components such as rails, ladders, drains or other similar hardware within 3 meters of the hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No. 6 AWG.
- Children should not use a hot tub without adult supervision.
- **Avertissement: ne pas laisser les enfants utiliser une cuve de Relaxation sans surveillance.**
- Do not use a hot tub 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.**
- People using medications and/or having adverse medical history should consult a physician before using a hot tub.
- **Avertissement: les personnes qui prennent des médicaments ou ont des problèmes de santé devraient consulter un médecin avant d'utiliser une cuve de relaxation.**
- People with infectious diseases should not use a hot tub.
- **Avertissement: les personnes atteintes de maladies infectieuses ne devraient pas utiliser une cuve de relaxation.**
- 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.**

- 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.**
- 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.**
- Water temperature in excess of 38° c may 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.**
- 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.**
- Do not use a hot tub immediately following strenuous exercise.
- **Avertissement: ne pas utiliser une cuve de relaxation immédiatement après un exercice fatigant.**
- Prolonged immersion in a hot tub may be injurious to your health.
- **Avertissement: l'utilisation prolongée d'une cuve de relaxation peut être dangereuse pour la santé.**
- Do not permit electric appliances (such as a light, telephone, radio, television, etc.) Within 1.5M of the 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.**
- 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.**
- The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in a hot tub.
- **Avertissement: la consommation d'alcool ou de drogue augmente considérablement les risques d'hyperthermie mortelle dans une cuve de relaxation.**

**SAVE THESE INSTRUCTIONS**



## HYPERTHERMIA

Prolonged immersion in hot water may cause hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6° F, or 37° C. The symptoms of hyperthermia include dizziness, drowsiness, lethargy, and fainting. The effects of hyperthermia include:

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

## SAFETY DO'S AND DON'TS

### *Do*

- **DO** read all operating instructions.
- **DO** read, understand and follow all safety, danger and warning instructions before use.
- **DO** test water temperature with your hand before entering to be sure that it's comfortable.
- **DO** keep the Elemental cover closed when the Elemental is not in use. This is important for safety and for economical spa operation.

### *Don't*

- **DON'T** block the equipment compartment vents. Blockage may cause damage to the Elemental equipment and will void the warranty.
- **DON'T** block or sit on the filter recess area.
- **DON'T** allow horseplay or unsupervised use of your Elemental.
- **DON'T** allow anyone to tamper or play with any of the safety or suction fittings of your Elemental.



## WARNING LABELS

Each Elemental has been provided with a Warning Sign and an Important Notice label. These items outline safety precautions. The sign should be permanently placed in a location that is visible to the Elemental user. Replacement signs can be obtained from [www.myelemental.com](http://www.myelemental.com).

 <b>WARNING</b>	
DURING PREGNANCY, SOAKING IN HOT WATER MAY CAUSE DAMAGE TO THE FETUS. LIMIT USE TO 15 MINUTES AT A TIME.	
<b>PREVENT DROWNING</b> SPA HEAT SPEEDS UP EFFECTS OF ALCOHOL, DRUGS, OR MEDICINE AND CAN CAUSE UNCONSCIOUSNESS. IMMEDIATELY LEAVE SPA IF UNCOMFORTABLE OR SLEEPY.	<b>PREVENT CHILD DROWNING</b> WATER ATTRACTS CHILDREN. ALWAYS ATTACH A SPA COVER AFTER EACH USE.

 <b>IMPORTANT</b>
This spa is insulated with high-density urethane foam for structural support and energy efficiency. When empty of water and left in direct sunlight without the spa cover in place, the spa is vulnerable to ultra violet or solar damage. Temperatures generated by sunlight can become concentrated in the spa shell surface causing the shell material to delaminate from the urethane foam backing. This occurrence is considered abuse and may result in blisters, bubbles, or large layer delaminations. <b>This occurrence is not covered under warranty.</b> The spa cover must be kept on the spa while empty of water.
<b>NOTE: THIS MARKING IS TO BE REMOVED ONLY BY THE OWNER.</b>



## INSTALLATION

When you take your Elemental unit out of its packaging, be careful not to scrape the textured areas. The metal accents on side **cannot** be used as handles.

Installation consists of placing your Elemental in a suitable location, connecting it to an electrical outlet with the proper rating, and filling it with water. Position your Elemental in an area with good drainage and provide a flat, solid surface that fully contacts the bottom of the Elemental.

If you choose to install your Elemental on a raised deck or indoors, we recommend you contact a licensed contractor to confirm the surface will hold the hot tub when filled with water. Movement of your surface may result in damage to the spa, which is not covered by warranty. Locate your Elemental so that the equipment is above grade and not subject to flooding. Water should always drain away from the unit. If you are placing your Elemental next to a fence or wall, be sure the equipment compartment faces forward for easy equipment access.

## ELECTRICAL CONNECTIONS

Your Elemental's GFCI (Ground Fault Circuit Interrupter) is in the spa's 110V cord. The cord comes out of the equipment base on the left side. The outlet that you connect the Elemental to must be rated at a minimum of 110 volts and 15 amperes.

### *For Dedicated Electrical Installations*

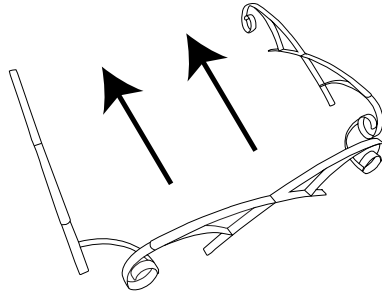
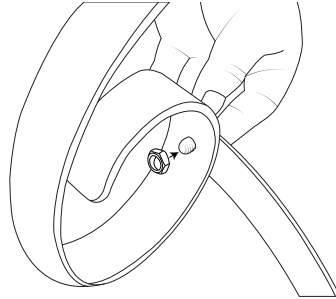
The GFCI should be OFF before the Elemental is filled. Manually turn off power to the Elemental any time by using the GFCI. Just push the switch to the OFF position. After turning off the GFCI, make sure the control panel display window is blank, to know the power is off. When the power is ready to turn back on, reset the GFCI by returning the switch to the ON position. Do not use your Elemental unless you understand the operation of the GFCI.



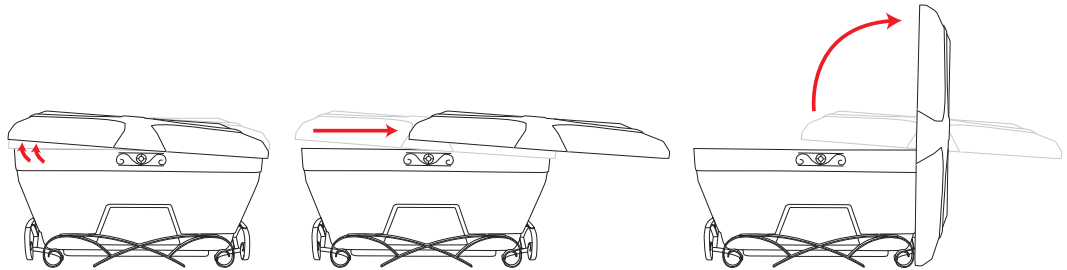
## FRAME ASSEMBLY

Follow these steps to put together your decorative frame:

1. Remove the frame and connectors from packaging, being careful not to scratch components.
2. Using the supplied Allen key, attach the flat connectors to one of the side frame pieces. Connector edges align flush with outside edge of frame. Connecting bolts are located in mounting holes.
3. Assemble three pieces of the frame in a "U" shape, leaving one side removed for installation around hot tub. Leave the last two connectors off until the frame is assembled around the spa.
4. Slide the frame around the base of the spa, being careful not to scratch the texture on the side of the spa. Attach last two connectors to final frame piece.
5. Center the frame on all four sides, using the deco panel and the side of the hot tub as a reference.

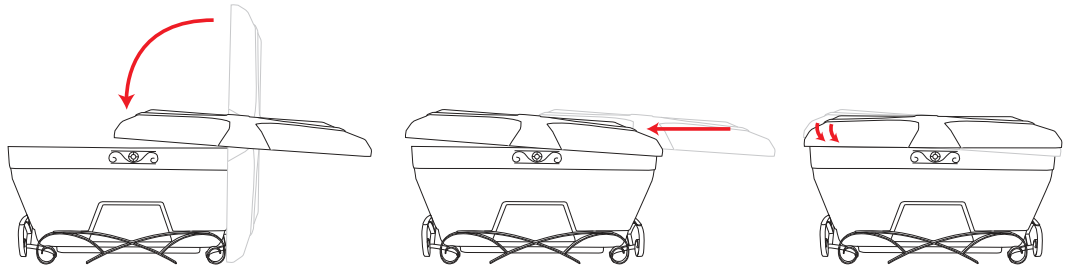


## COVER OPERATION



### *Opening*

Stand at the front of the spa. With both hands, lift the cover above the bartop. Push the cover forward until you hear a click, then tilt the cover upward until it is vertical.



### *Closing*

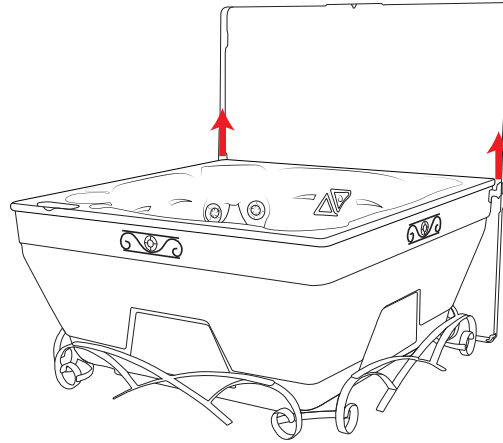
Push the top edge of the cover down towards the bartop. From the front of the spa, pull the cover straight towards you with two hands until it stops. Lower the cover onto the spa.

## COVER REMOVAL

1. Open the cover so it rests vertically behind the spa.
2. For each side, pull the cover lift catch out and lift the cover up to disengage the lift.
3. Safely set the cover aside.

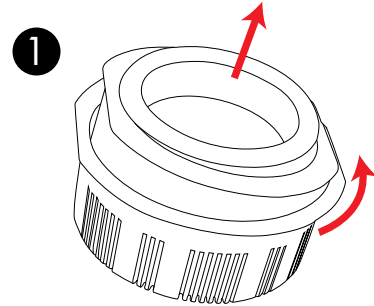
## COVER REINSTALLATION

1. Set the cover upright at the back of the spa.
2. For each side, pull out the cover lift catch and place the cover lift pin back onto the catch.



## FILL AND START

1. Lift the center float of the skimmer assembly until it is fully extended. Rotate skimmer assembly counterclockwise and lift to remove.
2. Remove the foam blocks between filter cartridge and canister walls. Rotate the E-Z Lock Filter cartridge counterclockwise 90 degrees and remove.
4. Attach pre-filter from your Elemental Water Kit to your garden hose and run water through it for one minute.
5. Place the hose in the empty filter canister and fill the Elemental to within 6 inches of the top.
6. Once the spa is full, connect the GFCI power cord to a properly rated outlet.



7. Replace the filter, skimmer and Vision cartridge. Push the **Jets** button twice to turn the pump on to high speed. Let the system run for 30 to 45 seconds to prime the pump. Push the button again to shut the pump off. If the jets do not start, there is air trapped in the plumbing lines. To eliminate the trapped air, turn the jets on and off several times to force the trapped air through the system.

One minute after the power is turned on, the Elemental will automatically begin its first one-hour filtration cycle.

8. Set the water temperature by pushing the UP/DOWN Buttons. The Elemental will not allow the temperature to be set above 104°F (40° C). After a few seconds, the screen will revert to showing the current Elemental water temperature. It will take approximately 8 hours to heat under normal temperatures.

9. Verify water balance using the test strips in your Water Care Kit. Alkalinity should be between 125-150, and pH should be between 7.2-7.8. If your water is not balanced, ask your retailer for help balancing your water.



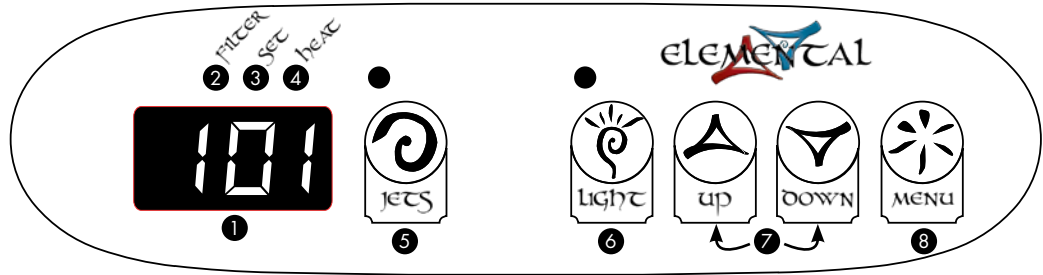
10. Add three capfuls of chlorinating granules to your water. Test your water again with a new test strip; your chlorine level should be at least 10ppm. If not, add another capful and test again. Repeat if necessary.

11. Open the cover and turn the jets on. Let the spa run for 1 to 2 hours to allow the chlorine to sanitize the internal plumbing and to dissipate.

12. Test your water once more with a new test strip. Make sure your Alkalinity is between 125-150, your pH between 7.2-7.8, and your chlorine is between 1-5ppm. If it is over 5ppm, run your spa with the cover off until it drops below 5ppm.



## CONTROL PANEL



### 1. Display Window

Shows the current status of your Elemental.

### 2. Filter Indicator Light

Glow when a filter cycle is in progress.

### 3. Set Indicator Light

Glow when temperature displayed is the desired temperature, not the actual temperature.

### 4. Heat Indicator Light

Glow when the heater is on.

### 5. Jets Button

Push once for low speed, twice for high speed.

### 6. Light Button

Turns light on and off. To lock or unlock a color, turn light off for three seconds, then on again.

### 7. Up and Down Buttons

Change desired water temperature.

### 8. Menu Button

Opens the options menu.

## OPTIONS MENU

To open the options menu, hold the Menu button for three seconds. Once in the menu, use the Up and Down buttons to adjust each option. Push the Menu button to move to the next option. If you don't push anything for ten seconds, the menu will quit and save your changes automatically.

### *Filter Cycle Length*

Choose from 60, 90, 120, 150 or 180 minutes.

### *Filter Cycles Per Day*

Choose from one, two, three or four cycles.

### *Temperature Units*

Choose from fahrenheit (°F) or celsius (°C).



## WATER CARE

To keep your water clean and clear, follow these water care guidelines:

- Check water chemistry with a test strip once every week. Add chlorinating granules, pH up, pH down and other chemicals as required.
- Rinse your filters using your garden hose once every month.
- Soak your filters in filter cleaning solution once every two months. Be sure to rinse your filter thoroughly before putting it back in your spa.
- Drain and refill your spa once every six months. Replace your Vision cartridge each time you drain your spa.
- Replace your filter once every year.

## SURFACE CARE

Use spa cleaner and a soft rag to clean the inside of your Elemental. Use mild soap and water to clean the exterior of your Elemental. Do **not** use alcohol, ammonia, or citrus-based cleaners on any Elemental surface. Do **not** use a pressure washer to clean the exterior, as it may damage the textured surface.

## DRAINING

Unplug your Elemental before draining it. Remove the deco panel on the front side of your Elemental to access the equipment compartment. Find the hose bib - the black fitting attached to a white hose below the equipment box - and attach one end of your garden hose. Place the other end in an area safe for water runoff. Turn the switch to the left to release the water. Once the Elemental is drained, turn the switch back to the right to close the valve.

## COLD WEATHER

Your Elemental has an automatic freeze protection mode to circulate water during freezing weather, assuming the system has electrical power and the proper water level. However, if freezing weather prohibits normal use, an authorized service provider should winterize your Elemental. Draining the Elemental will not prevent freeze damage, as small amounts of water in the plumbing can expand and damage the system. Winterizing the Elemental is specifically not covered by the warranty. You must contact an authorized service provider to restart your Elemental.

## TROUBLESHOOTING

For help troubleshooting common occurrences, visit [www.myelemental.com](http://www.myelemental.com) and click on Support.

## ERROR MESSAGES

*Temperature over 112°F (44°C)*

**DO NOT ENTER THE WATER.** Your Elemental has overheated. Open the cover and allow the water to cool below 110°F (43°F). Once the water has cooled, reset your GFCI to restart your spa. If your spa often overheats, visit [www.myelemental.com](http://www.myelemental.com) to fill out a service request form.

*Flashing Control Panel Lights*

**DO NOT ENTER THE WATER.** Check your water level and clean your filter. Reset your GFCI if the control panel still flashes. If the problem still persists, visit [www.myelemental.com](http://www.myelemental.com) to fill out a service request form.

*Wrong Temperature*

**DO NOT ENTER THE WATER.** The actual water temperature is unknown. Go to [www.myelemental.com](http://www.myelemental.com) and complete a service request form.

## MY ELEMENTAL

Serial Number: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

Date Installed: \_\_\_\_\_

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ELEMENTAL

2611 Business Park Drive  
Vista, CA 92081

[www.myelemental.com](http://www.myelemental.com)

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