One-Pump Spas

Jets
Touch the "Jets" button once to turn the main 2-speed pump on or off, and to shift between low and high speeds. If left running, the low speed of the pump will automatically turn off after 2 hours, and the high speed will automatically turn off after 15 minutes.

Warm/Cool
To display the Set Temperature, press either the "WARM" or "COOL" button once. The LCD will begin to flash the set temperature. If you want to increase or decrease the desired temperature, press the "WARM" or "COOL" button accordingly. Once at the desired temperature, allow a few seconds for the flashing to cease. Your Set Temperature has now been successfully set.

MODE CHANGE
To change the mode on the spa, press WARM followed by LIGHT.

One-Pump + Blower Spas *or* Two-pump (2-speed + 1-speed)

Jets/Jets 1
Touch the "Jets or Jets 1" button to turn the main 2-speed pump on or off, and to shift between low and high speeds. If left running, the low speed of the pump will automatically turn off after 2 hours, and the high speed will automatically turn off after 15 minutes.

Boost/Jets 2

The "Boost or Jets 2" button will operate the blower pump, if equipped, or the 1-speed pump.

MODE CHANGE
To change the mode on the spa, press TEMP followed by LIGHT.

Two-Pump + Blower Spas *or* Three-pump Spas (4 button topside)

Jets 1
Press the "Jets 1" button to turn the main 2-speed pump on or off, and to shift between low and high speeds. If left running, the low speed of the pump will automatically turn off after 2 hours, and the high speed will automatically turn off after 15 minutes.

Jet 2/Jet 3

Press the "Jet 2/Jet 3" button:
1. Once to turn Pump 2 On / Pump 3 Off
2. Again to turn Pump 2 On / Pump 3 On
3. Again to turn Pump 3 On / Pump 2 Off
4. Again to turn Pumps 2 & 3 Off

MODE CHANGE
To change the mode on the spa, press TEMP followed by LIGHT.

"Temp" Button
To display the Set Temperature, press the "TEMP" button once. The LCD will begin to flash the set temperature. To change the set temperature press the "TEMP" button again prior to the flashing timing out. The temperature will go either up or down. To change the temperature in the opposite direction wait for the LCD to stop flashing. Press the "TEMP" button again to resume the LCD flashing screen, and then press the "TEMP" button. Once at the desired temperature, allow a few seconds for the flashing to cease. Your Set Temperature has now been set.

Economy is the power saving alternative for regular heating, you will know that you are in economy by the code displayed. If the pump is running the current temperature and code will alternate on the display.
- Spa will only heat during filter period
- Temperature will remain close to desired, but it will drop between filter periods
- If users can get in a routine, filter period should overlap the usage time by a half hour. This will have spa temperature closest to the desired temperature.
- Example, if using the spa at 8:00 have spa filter from 6:30 – 8:30.
- Best used in mild to warm climates
- Tests show a 20% reduction in energy consumption when compared to standard mode

Sleep is considered a vacation heater setting, and will maintain your spa water at the most affordable price.
- Spa will only heat during your filter period.
- The water temperature may drop up to 20 degrees below your desired temperature.
- Will work in all climates, and will not allow the spa to freeze.
- Tests show a 50%+ reduction in energy consumption when compared to standard mode.

4. Steam Loss/Venting Around Spa Cover

- It is normal to see an occasional burst of steam from around the cover due to pressure releasing from a high to low area. However heat loss can be greatly impacted by use of the spa
- Control valves should be turned off when getting out of the spa in a cool climate.
- Air injects from the cabinet and enters into the water area. That air not only will cool the cabinet area, but will also greatly in-crease the pressure under the cover and cause more steam to release.
- Surfaces are different for all spas, and cov-ers may provide a better seal is spun differently.
- If the folding seam goes over the controller area, often more steam will be able to es-cape. Try to position the cover so that the fold seam goes over the wider top surface areas on the adjacent sides.

Proper Spa Cover Use

Important! Keep the spa covered when not in use!
- Covered spas will use less electricity in maintaining your set temperature.
- Covering your spa will protect your spa's finish from the sun's ultraviolet rays.
- You are required to keep the spa covered to main-tain warranty coverage.
- Covering your spa helps prevent children from drowning in the spa. See the photo for instructions on mounting the locks and how to lock and unlock the cover.
- In addition, while a soft spa cover is rigid, it is not designed to support any weight. Therefore, as a safety precaution and to preserve the life of your cover, you must not sit, stand, or lie on it, nor should you place objects of any kind on top of it.

Personal Settings

Jets

Most jets in your spa are adjustable. Rotating the face of an **adjustable jet** to the left (counter-clockwise) will increase the amount of water flow through the jet. Rotating the face of an adjustable jet to the right (clockwise) will decrease the amount of water flow through the jet.

Neck jets can be turned on and off using the nearby **water on/off knob**.

Blower jets are not adjustable, but can be turned on and off using the **Aux** or **Option** button on your Control Panel.

Air Controls


Air controls are the **2" knobs** located around the top of your spa. Each one will let you add a mixture of air with the jet pressure. This is accomplished by rotating the air control knob to the left (counterclockwise) to increase the amount of air-flow through the jets. To decrease the amount of air-flow through the jets, rotate the handle to the right (clockwise).

Diverter Knobs (if equipped)

Diverter knobs are 3" knobs located around the top of your spa. They allow you to divert water through jets from one side of the spa to the other, or in most cases from floor jets to wall jets. This is accomplished by rotating the diverter knob to the left (counterclockwise), decreasing the amount of water flow through a section of jets. To increase the amount of water flow through the other section of jets, rotate the handle to the right (clockwise).


Water Feature Controls *(if equipped)*


Some spas include waterfalls and/orwater columns. Increase or decrease the flow of the waterfall using the **2" water on/off knob** nearest the water feature.

IMPORTANT! (Water Features) When spa session is over, and before cover is closed, **these water features MUST be turned off using the water control knob nearest the feature** or water will continue to run through them, potentially causing draining of your spa, depending on how long they are left on.

Testing and Adjusting Water Chemistry

- As the owner of a spa, it is important that you maintain your spa water and keep your spa equipment in excellent condition. To do so, you must first balance your spa water.
- You will need to test and adjust the chemical balance of your spa water. Although this is not difficult, it needs to be done regularly.

There are 2 types of testing methods:
- The reagent test kit is a method which provides a high level of accuracy. It is available in either liquid or tablet form.
- Test strips are a convenient testing method commonly used by spa owners.

Balancing the Total Alkalinity

- Total alkalinity (TA) is the measure of the total levels of carbonates, bicarbonates, hydroxides, and other alkaline substances in the water. TA can be considered a pH buffer. It is the measure of the ability of the water to resist changes in pH level.
- The recommended total alkalinity is 80 - 120 ppm.
- If the TA is too low, the pH level will fluctuate widely from high to low. Low TA can be corrected by adding alkalinity increaser.
- If the TA is too high, the pH level will tend to be too high and may be difficult to bring down. High TA can be corrected by adding pH decreaser.
- When the TA is balanced, it normally remains stable, although adding water with high or low alkalinity will raise or lower the TA level.

Balancing the Calcium Hardness

- Calcium hardness (CH) is a measure of the total amount of dissolved calcium in the water. Calcium helps control the corrosive nature of the spa's water and is why soft water is not recommended. The low calcium content of soft water is very corrosive to the equipment and can cause staining of the spa shell.
- The recommended calcium hardness is 150 - 200 ppm.
- If the CH is too low, add liquid hardness increaser.
- If the CH is too high, dilute the spa water with soft water or, if this is not available, add stain and scale defense.