

3 Pump Control Reference Card

Initial Start-up

When your spa is first activated, it will go into Priming mode, indicated by "Pr". The Priming mode will last for less than 5 minutes and then the spa will begin normal operation in Standard Mode. You may touch the Jets2 button to start the main pump, then the other two jet buttons to check for water movement.



Temp Set (80°F - 104°F / 26°C - 40°C)

The start-up temperature is set at 100°F/37.5°C. The last measured temperature is constantly displayed on the LCD. **Note that the last measured spa temperature displayed is current only when pump 1 (Jets2) has been running for at least 2 minutes.**

Press the "Warm" or "Cool" button to display and adjust the set temperature. After three seconds, the LCD will automatically display the last measured spa temperature.

Jets 2 "Main Heater Pump"

Touch the "Jets2" button once to activate the low speed of pump 2 and again for the high speed. Press the "Jets2" button again to turn off the pump. If left running, the pump's low speed will automatically turn off after 4 hours, and the pump's high speed will automatically turn off after 15 minutes. The pump's low speed runs when the spa is heating, when a filter cycle is activated, or when a freezing condition is detected. When the low speed turns on automatically, it cannot be deactivated from the panel; however, the high speed may be started.

Jets 1**

Touch the "Jets 1" button once to turn the one speed pump on or off, and to shift between low and high speeds if it is a two-speed pump. If left running, Jets1 Pump 1 will automatically turn off after 15 minutes.

Jets 3**

This button turns the third Pump on and off. This Pump automatically turns off after 15 minutes and the Heater will not run with this pump engaged.

Light

Press the "Light" button to turn the spa light on and off. If left on, the light automatically turns off after 4 hours. If a LED System is installed, press the "Light" button once to start the light, and toggle the light system off and back on to go the next Mode. The chart of Modes can be found elsewhere in this Manual.

****Note:** 1 speed pumps are standard in the Jets1 and Jets3 Positions.

Mode

This button is used to switch between Standard, Economy, and Sleep Modes.

Standard Mode is programmed to maintain the desired temperature. Note that the last measured spa temperature displayed is current only when the Jets2 pump has been running for at least 2 minutes. "Std" will be displayed momentarily when you switch into Standard Mode.

Economy Mode heats the spa to the set temperature only during filter cycles. "Ecn" will display solid when temperature is not current, and will alternate with temperature when temperature is current.

Sleep Mode heats the spa to within 20°F/11°C of the set temperature only during filter cycles. "Slp" will display solid when temperature is not current, and will alternate with temperature when temperature is current.

Preset Filter Cycles

The first filter cycle begins 6 minutes after the spa is energized. The second filter cycle begins 12 hours later. Filter duration is programmable for 2, 4, 6, 8 hours or for continuous filtration indicated by "FILC"). The default filter time is 2 hours. To program, press "Warm" or "Cool," then "Jets2." Press "Warm" or "Cool," then "Jets2" to exit programming. Jets1 pump will purge for 5 minutes and the Jets3 pump purges for 30 seconds at the beginning of each filter cycle. The low speed of Jets2 pump runs during filtration and the ozone sterilizer (if installed) will be enabled. Freeze Protection If the temperature sensors detect a drop to approximately 44°F/6.7°C within the heater, then pump 1 and the blower will automatically activate to provide freeze protection. The equipment stays on until 4 minutes after the sensors detect that the spa temperature has risen to approximately 45°F/7.2°C or higher. In colder climates, an optional additional freeze sensor may be added to protect against freeze conditions that may not be sensed by the standard sensors. Aux freeze sensor protection acts similarly except with the temperature thresholds determined by the switch and without a 4-minute delay in turnoff.