

2 Pump Control Reference Card

Initial Start-up

When your spa is first actuated, 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 to heat the spa and maintain the water temperature in the Standard mode. You may activate the pumps while still in Pr Mode to verify water movement.

*Note: If your spa is not heating first check to see what MODE it is in. These MODES can be changes accidentally while using the spa and will cause the heat to stop.



Temp/Set (80°F - 104°F / 26°C - 40°C)

The start-up temperature is set at 100F°/37°C. The last measured temperature is constantly displayed on the LCD.

Note that the last measured spa temperature displayed is current only when the Jets2 pump has been running for at least 2 minutes.

To display the set temperature, press the "Temp" or "Set" pad once. To change the set temperature, press the pad a second time before the LCD stops flashing. Each press of the Temp" or "Set" pad will continue to either raise or lower the set temperature. If the opposite direction is desired, release the pad and let the display revert to the current water temperature. Press the pad to display the set temperature, and again to make the temperature change in the desired direction. After three seconds, the LCD will stop flashing and display the current spa temperature.

Jets 2 "Heater Pump"

Touch the "Jet 2" button once to activate the low speed of the pump and again for the high speed. Press the "Jets2" button again to turn off the pump. If left running, the low speed of the pump will automatically turn off after 4 hours, and the high speed will automatically turn off after 15 minutes. It may also activate for at least 2 minutes every 30 minutes to detect the spa temperature and then to heat to the set temperature if needed, depending upon mode. When the low speed turns on automatically, it cannot be deactivated from the panel; however, the high speed may be started.

Jets 1

This button is used to turn the 1 Speed Jets1 Pump on and off. If left on, the Pump automatically turns off after 15 minutes.

Light

Press the "Light" button to turn the light on and off. If left on, the light automatically turns off after 4 hours. If equipped with LED the LED* function will change every time the switch is toggled off and back on.

***Note:** See Chart of LED Functions elsewhere in this Manual.

Mode

Mode is changed by pressing the "Temp" or "Set" button, then pressing the "Light" button.

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. "St" will be displayed momentarily when you switch into Standard Mode.

Economy Mode heats the spa to the set temperature only during filter cycles. "Ec" 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° of the set temperature only during filter cycles. "SL" 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 "Fc"). The default filter time is 2 hours. To program, press "Temp" or "Set," then "Jets2" Press "Temp" or "Set" to adjust. Press "Jets2" to exit programming. The Jets1 pump purges for 30 seconds at the beginning of each filter cycle. The low speed of the Jets2 pump runs during filtration and the ozone generator (if installed) will be enabled.

Freeze Protection

If the temperature sensors detect a drop to below 45°F within the heater, Both pumps 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 45°F 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.