

QUICK REFERENCE CARD



The Quick Reference Card provides a quick overview of your spa's main functions and the operations accessible with your digital control pad.

Starting Pump 1

Press **Jet 1** button to turn Pump 1 on at low speed. Press a second time to turn Pump 1 to high speed. A third time turns Pump 1 off. A built-in timer automatically turns Pump 1 off after 20 minutes, unless it has been manually deactivated.

The Pump 1 indicator lights up when Pump 1 is on at high speed. It flashes when Pump 1 is on at low speed.

Starting Pump 2

Press the **Jet 2** to turn Pump 2 on. Pressing a second time to turn Pump 2 off. A built-in timer automatically turns Pump 2 off after 20 minutes, unless it has been manually deactivated first.

The Pump 2 indicator lights up when Pump 2 is on.

Starting Pump 3

Press the **Jet 3** to turn Pump 3 on. Pressing a second time to turn Pump 3 off. A built-in timer automatically turns Pump 3 off after 20 minutes, unless it has been manually deactivated first.

Turning The Light On:

Press the **Light** key to turn light on. Press a second time to turn light off. A built-in timer automatically turns the light off after 2 hours, unless it has been manually deactivated.

The "Light" icon lights up when light is on.

Automatic Water Heater Start:

When water temperature is 1oF (0.5oC) lower than the Set Point, the heater will automatically turn on until water temperature reaches Set Point plus 1oF (0.5 oC).

The "Heater" indicator lights up with the heater is on.

Setting Water Temperature

Use **Up** or **Down** arrow key to regulate water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection.



The "Set Point" symbol indicates the desired temperature, NOT the current water temperature! Water temperature can be adjusted by 1- degree increments from 59 to 104oF (15 to 40oC).

Temperature unit:

Press and hold the **light** button for 5 seconds to toggle between °F and °C.

Standby mode:

Press and hold **Jet 3** button for 5 seconds to enter standby mode. The "stby" message is displayed and heating & filtering will be disabled for 30 minutes. Pressing any button will exit standby.

Note: If the system is turned down while the heater is on, Pump 1 will run for an additional 3 minutes.

Pad Lockout:

There are two modes you can choose from: Full or partial lock. Full lock means that all keypad functions are locked. Partial lock means that only the basic functions will remain accessible (pumps, blower, light).

Locking your digital control pad: Press and hold **Jet 1** for 5 seconds. The display will show "LocP", with "P" representing partial lock. Release the button and the keypad will be in Partial lock mode. Keep button pressed down for 5 more seconds if you want to be in Full lock mode. The "LocF" message will then be displayed.

When control pad is locked, all automatic functions will run as usual. If a button is pressed down, a "LocP" or "LocF" message will be displayed for 1 second. To unlock the keypad, simply press and hold Jet 1 button again for 5 seconds.

Boost Mode:

Press and hold **Jet 2** button for 5 seconds to enable Boost mode. In this mode, Pump 1 high speed and the ozonator will run for 45 minutes. When enabled, "boo" message is displayed. This mode is used to speed up filtration after intensive use of the spa or to help mix chemicals just added to the spa. Pressing any button will exit boost mode.



PROGRAMMING THE FILTER CYCLES

During a filter cycle:

- Pump 2 & 3* run for 20 seconds, then:
- Pump 1 runs at low speed for the programmed number of hours (see below), and
- The ozonator is turned on.

*if installed

To set the filter cycle duration (please note you can press pump 1 to exit at any time without saving):



Press the Filter button to enter into your filtration options. Your display will show "Sett" and from here you will be able to choose your settings.



Press your Filter button again to display your first option. This is your Filter Cycle Duration.



Use your arrow buttons to select your Filter Cycle Duration. You can select from 0 to 6 hours.



Press your Filter button again. Your display will now show the settings for your Filtration Frequency.



Use your arrow buttons to adjust your Filtration Frequency. You can choose from 1-4 times per day.

You can move backwards through the programming steps by pressing your pump 3 button.

When you have reached the end of the programming options you can press your program button one last time to exit the programming and begin a filter cycle immediately or simply not press any further buttons to save your new settings and start the first filtration cycle at the designated time.

45 Minute Filter Cycle Time-Out:

If you turn on a pump, blower, or light during a filter cycle the cycle will be interrupted and will only resume 45 minutes after you (or the system) have turned the last active output off.

TROUBLESHOOTING



"HL" error message is displayed.

The system has shut the heater down because the temperature **at the heater** has reached 119°F (48°C). Do not enter the water! Remove spa cover and allow the water to cool down, then reset the breaker to reset the system.

"HL" error message is flashing.

The system has shut down because the water temperature **in the spa** has reached 112°F (44°C). Do not enter the water! Remove spa cover and allow the water to cool down to 109°F (43°C). Call your dealer or service supplier if problem persists.



"FLO" error message is displayed.

The system detects no water pressure while a pump is running. Check and open water valves. Check water level. Clean filter or replace. Call your dealer or service supplier if problem persists.



"FLC" error message is displayed.

A problem has been detected with the pressure switch. Call your dealer or service supplier.



"Prr" error message is displayed.

A problem has been detected with the temperature probe. Call your dealer or service supplier.



4 dashes are displayed

The Processor has been damaged.... **Do Not Enter** the Water... this is usually caused by abnormal power fluctuations, call your dealer or service supplier.

*if activated in Low-level programming the lights will flash when there is an error code present