






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 **Pump 1** key 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 **Pump 2** key to turn Pump 2 on. A second time turns Pump 2 off. A built-in timer automatically turns Pump 2 off after 20 minutes, unless it has been manually deactivated.


 The "Pump 2" indicator lights up when Pump 2 is on at high speed. It flashes when Pump 2 is on at low speed.

Starting Pump 3:


 Press **Pump 3** key to turn Pump 3 on. Press 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.


Starting the blower:

 Press **Blower** key to turn blower on. Press a second time to turn blower off. A built-in timer automatically turns blower off after 20 minutes, unless it has been manually deactivated.

 The "Blower" indicator lights up when blower 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 104°F (15 to 40°C).

Automatic water heater start:


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


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

Temperature unit:

Press and hold **Light** key for 5 seconds to toggle between °F and °C.

Turning the light on:

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

 The "Light" indicator is displayed when light is on.

Standby mode:

Press and hold **Pump 3** key for 5 seconds to turn the system down (i.e. to set it to Standby mode) for 30 min. The "OFF" message is displayed. All keys are then disabled, unless you press and hold **Pump 3** for 5 seconds again to reactivate the system before the expiration of the 30-minute delay.

If the system is turned down using the **Pump 3** key while the heater is on, Pump 1 will run for an additional 3 min.

"Clean filter" reminder:

If enabled, the display will start flashing every 2 weeks showing the "CLE" message. This message is displayed to remind the user to clean the filter cartridge. Press any key to reset the message.

Pad lockout:

There are two modes you can choose from: Full lock or Partial lock. Full lock means that all keypad functions are locked. Partial lock means that only the basic functions of the spa will remain accessible (pumps, blower and light). When control pad is locked, the "Lock" icon will be displayed.

Locking your digital control pad:

Press and hold **Pump 1** key for 5 seconds. The display will show "LocP", with "P" representing Partial lock. Release the key and the keypad will be in Partial lock mode. Keep key 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 of the system run as usual. If a key is pressed down, a "LocP" or "LocF" message will be displayed for 1 second. To unlock the keypad, simply press and hold **Pump 1** key again for 5 seconds.

Boost mode:

Press and hold Pump 2 key 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 in the spa.

Inverting the display:

Press and hold **Filter** key for 5 seconds to invert the display. If a power-up occurs, the display always returns to default mode.

PROGRAMMING THE FILTER CYCLE DURATION

The system automatically performs 4 one-hour filter cycles per day. During a filter cycle:

- Pump 2, Pump 3 and blower run for one minute, then
- Pump 1 runs at low speed for the programmed number of hours (see below), and
- The ozonator is turned on.

To set the filter cycle duration:



Press Filter key. The display will show Fdxx, with "xx" representing the currently set filter cycle duration in hours.



Use Up or Down arrow key to change setting (from 0 to 2).



When the desired setting is displayed, press Filter again. The display will show FFxx, with "xx" representing the filter cycle frequency per day.



Use Up or Down arrow key to change setting (from 1 to 4). When the desired setting is displayed, press Filter to confirm. A filter cycle will start immediately. The "Filter Cycle" indicator lights up when a filter cycle is on.

A flashing "Filter Cycle" indicator means that the system has stopped filtering because water temperature is 2°F (1°C) above Set Point. If temperature cools down before the scheduled end of the cycle, filtering will resume for the rest of the programmed duration.

After a power failure, the first filter cycle will start 12 hours after power has been restored.

40-minute filter cycle time-out:

If you turn a pump, blower or light on during a filter cycle, the cycle will be interrupted and will only resume 40 minutes after you (or the system) have turned the last active output off.

TROUBLESHOOTING

	<p>A pump has started up for one minute on several occasions and "Filter Cycle" indicator is flashing.</p>	<p>Not a bug but a feature! Our Smart Winter Mode protects your system from the cold by turning the pump on for one minute several times a day to prevent water from freezing in pipes.</p>
	<p>"HL" error message is displayed.</p> <p>"HL" error message is flashing.</p>	<p>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 press any key to reset the system.</p> <p>The system has shut down because the water temperature in the spa has reached 112°F (44°C). Only the Smart Winter Mode remains active. 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.</p>
	<p>"FLO" error message is displayed.</p>	<p>The system detects no water pressure while a pump is running. Check and open water valves. Check water level. Clean filter. Call your dealer or service supplier if problem persists.</p>
	<p>"FLC" error message is displayed.</p>	<p>A problem has been detected with the pressure switch. Call your dealer or service supplier.</p>
	<p>"Prr" error message is displayed.</p>	<p>A problem has been detected with the temperature probe. Call your dealer or service supplier.</p>
	<p>The display is flashing.</p>	<p>A power failure has occurred. Press any key to reset the system, then reprogram all desired parameters.</p>