



## Troubleshooting / in.xe error codes



Wrench icon will light up with these error codes.



**Wrench icon will light up with Hr error code:**

An internal hardware error has been detected in in.xe. Contact dealer or service supplier.



**Wrench icon will light up with HL error code:**

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 the spa cover and allow the water to cool down, then shut the power off and power your spa up again to reset the system.



**Wrench icon will light up with AOH error code:**

Temperature in the spa skirt is too high, causing the internal temperature in the in.xe to increase above normal limits. Open skirt and wait until error clears.



**Wrench icon will light up with FLO error code:**

The system does not detect any water flow while the primary pump is running. Check and open water valves. Check for water level. Clean filter. If the problem persists, call your dealer or service supplier.



**Wrench icon will light up with Prr error code:**

A problem is detected with the temperature probe; call your dealer or service supplier.



**Wrench icon will light up with OH error code:**

The water temperature in the spa has reached 108°F (42°C). Do not enter the water! Remove the spa cover and allow the water to cool down to a lower temperature. Call you dealer or service supplier if problem persists.



**Wrench icon will light up with UPL error code:**

No low level configuration software has been installed into the system. Call your dealer or service supplier.



## in.k450 Keypads for Great Lakes Spas

series of compact full-function keypads  
for in.xe spa systems



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

## Spa functions



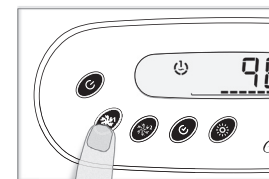
**On/Off Key**

**Standby Mode:** Use On/Off key to pause all pumps for 30 mins\*. Progress bar will display the remaining time before the system automatically exits Standby mode (user can also exit Standby mode at any time by pressing again on On/Off key).



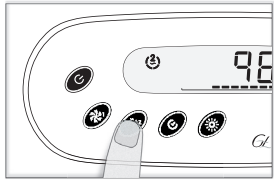
In order to warn the user, the spa light will flash for a few seconds before the exit of Standby mode and restart the pumps. The "Stby" message is also displayed during Standby mode.

\* Pump will stay turned on if there is a request for more heat.



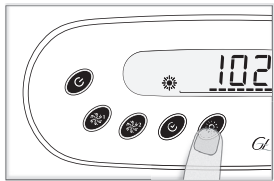
**Pump 1 Key**

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



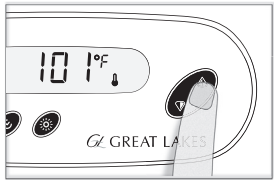
### Pump 2 Key (available with GL7 & GL8 only)

Press Pump 2 key to turn Pump 2 at low speed, press a second time to turn pump to high speed. A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless it has been manually deactivated first.



### Light key

Press Light key to turn light on. Press a second time to turn light off. A built-in timer automatically turns light off after 120 minutes (2 hours), unless it has been manually deactivated first.



### Up/Down keys

Use Up and Down keys to set the desired water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection.

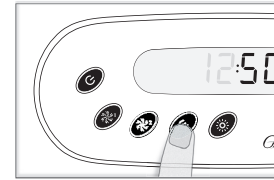
 The "Set Point" icon indicates that the display shows the desired temperature, NOT the current water temperature.

## Programming



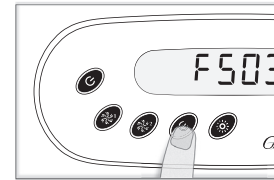
### Program Key

Use Prog. key to display time or enter Programming menu by pressing and holding this key. In Programming mode, the following parameters can be set: time, filter cycle start time, filter cycle duration, filter cycle frequency, and temperature units.



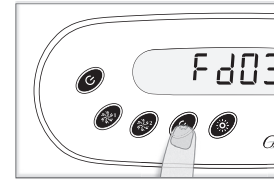
### Setting the time:

Enter Programming mode by holding Prog. key, pressed down for 3 sec. The display will show the current time setting. Setting the hour: Use Up or Down keys to change hour setting. Setting the minutes: press Prog. key a second time. Use Up or Down key to change hour setting.



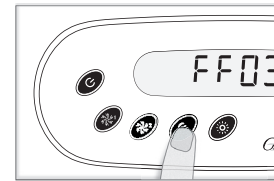
### Setting filter cycle start time:

To program the filter cycle, you must enter these parameters: the start time, duration and frequency. During a filter cycle, pumps run for one minute to purge the plumbing, then Pump 1 runs for the programmed number of hours. Press Prog. key a third time. The display will show FSxx, with "xx" representing the starting hour. Use Up or Down key to change setting.



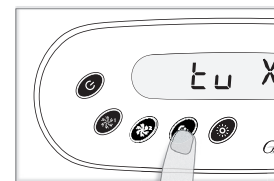
### Setting filter cycle duration:

Press Prog. key a fourth time. The display will show Fdxx, with "xx" representing the duration in hours. Use Up or Down key to change setting.



### Filter cycle frequency:

Press Prog. key a fifth time, the display will show FFxx, "xx" representing the number of filter cycles per day (up to 4). Use Up or Down key to change setting.



### Setting temperature unit:

Press Prog. key a sixth time, the display will show tu x, "x" representing °F or °C.