



in.k450

for in.xe spa systems

user instructions and functions



On/Off key

Depending on the spa manufacturer, this key may have different functions: On/Off, Standby mode or quick enable of the Economy mode.

On/Off Mode

By default, the system is always on. Press and hold **On/Off** key for 5 sec. (or Press and hold **Pump 1** key for 5 sec.) to shut the system down for 30 minutes.

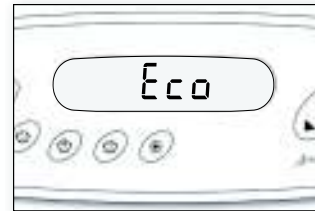
The display will toggle between the "OFF" message and water temperature. Press On/Off key to restart the system before the expiration of the 30 minutes delay.



Standby Mode

Quick press and release the **On/Off** key to shut the system down (i.e. to set it to Standby mode) for 30 minutes. The display will toggle between the "SBY" message and water temperature. All keys are then disabled, unless you press **On/Off** key again to reactivate the system before the expiration of the 30 minutes delay.

In order to warn the user, the spa light will flash for a few seconds before the exit of Standby mode.

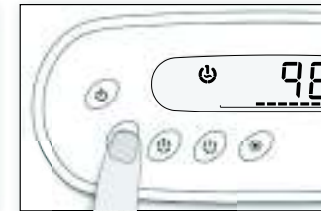


Economy Mode

This mode allows you to lower the temperature set point of the spa by 20 °F (11 °C) during a certain period of the day.

To enable the economy mode: Press and hold **On/Off** key for 10 sec.

While the Economy mode is enabled the display will toggle between "Eco" and the water temperature. Once the system goes back to normal mode, the display will show "noE".

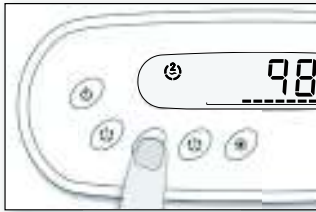



Pump 1 key

Press **Pump 1** key to turn Pump 1 on at low speed. Press a second time to turn pump to high speed (with a dual-speed pump). A third time turns pump off.

A built-in timer automatically turns pump off after a predetermined period of time, unless pump has been manually deactivated first.

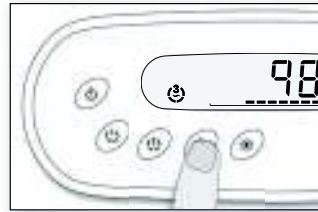
** If single speed pump: press Pump key to turn pump on. Press Pump key again to turn pump off.*




Pump 2 key 

Press **Pump 2** key to turn Pump 2 on. Press a second time to turn pump off.

A built-in timer automatically turns pump off after a predetermined period of time, unless pump has been manually deactivated first.



Blower key 

Press **Blower** key to turn blower on. Press a second time to turn blower off.

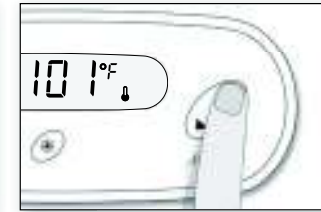
A built-in timer automatically turns blower off after a predetermined period of time, unless blower has been manually deactivated first.



Light key 

Press **Light** key to turn light on at high intensity. Subsequent presses change light intensity. A last press turns light off.

A built-in timer automatically turns light off after a predetermined period of time, unless it has been manually deactivated first.



Up/Down keys 

Use **Up** or **Down** key to set 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!



Program key

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

Note: Light key is used as **Program** key if this key is not present.



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** arrows to change hour setting (AM/PM).

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, with "xx" representing the number of filter cycles per day (up to 4).

Use **Up** or **Down** key to change setting.



Setting economy mode

Press **Prog.** key a sixth time. Use **Up** key to enable the economy mode, the display will show EP1 or use **Down** key to disable economy mode, the display will show EP 0.



Setting economy start time

Press **Prog.** key an seventh time. The display will show ESxx, with "xx" representing the starting hour.

Use **Up** or **Down** key to change setting.



Setting economy duration

Press and hold **Light** key until the display shows Edxx, with "xx" representing the duration in hours. (Default: 2 hours).

Use **Up** or **Down** key to change setting.
0 = no filtration¹
24 = continuous filtration

¹ It's not recommended to set this to "0".