Quick Reference Card

Please consult your spa user manual for complete info on the features of your spa system.

**in.k300™**
Compact full-function keypad

The Quick Reference Card provides an overview of your spa’s main functions and the operations accessible from your digital keypad. This QRC depicts a generic overlay, custom versions may vary.

### Description

**Mode**
- Smart Winter Mode
- Filter
- Heater

**Light**

- * Pump 1: Lights up when Pump 1 is on.
- * Pump 2: Lights up when Pump 2 is on.

**Setting the clock**

- Use the Up or Down keys to set the hour. Hold the button to increase the parameter and release the button to stop. Hold the button again to decrease the parameter.

### Spa Functions

**Off Mode**
Press Pump 1 for 5 seconds to enter Off mode. This mode allows you to stop all outputs including automatic functions such as filter cycles, heat request and smart winter mode for 30 minutes to perform quick spa maintenance. When Off mode is active, the display will toggle between the “OFF” message, the clock and the spa maintenance. When Off mode is active, the display will toggle between the “OFF” message, the clock and the water temperature. The spa light will flash for a few seconds before the end of the 30 minutes to warn you that the system is about to resume its normal operation. Press Pump 1 or Pump 2 (if available) to restart the system before the expiration of the 30 minute delay. When the system resumes its normal operation, the display shows “Off” for 3 seconds.

**Pump 1**

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 20 minutes, unless pump has been manually deactivated first. The “Pump 1” indicator lights up when Pump 1 is on. With a dual-speed pump, the indicator will flash when pump 1 is on at low speed.

**Pump 2**

Not available on all models: Press Pump 2 key to turn Pump 2 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 20 minutes, unless pump has been manually deactivated first. The “Pump 2” indicator lights up when Pump 2 is on. With a dual-speed pump, the indicator will flash when pump 2 is on at low speed.

**Light**

Press Light key to turn light on. A second press turns light off. A built-in timer automatically turns light off after 2 hours, unless it has been manually deactivated first. The “Light” indicator lights up when light is on.

**Up/Down keys**

Use Up or Down keys to set desired water temperature. The temperature setting will be displayed for 2 seconds to confirm your new selection.

2 pump spas have a combined Up/Down key. Hold the button to increase the parameter and release the button to stop. Hold the button again to decrease the parameter.

### Programming Steps

**Program menu**

The program menu is accessible by holding down the Light key for 5 seconds. In the program menu the following parameters can be set: clock, the filter or purge cycles, economy mode and temperature units. While you are in the program menu, use the Up or Down key to adjust the parameters and use the Light key to jump to the next parameter. The changes will be saved after the confirmation of the last parameter only. If there is no action taken for 10 seconds, the system will return to the program menu without saving any changes.

**Setting the clock**

Enter the program menu by holding down the Light key for 5 seconds. The display will show the current clock setting with the hour flashing. Depending on factory settings your system may be set to 24-hour time or 12-hour time.

**Setting the hour**

Use the Up or Down keys to adjust the hours. Press the Light key to jump to the next parameter, the minutes.

**Setting the minutes**

Use the Up or Down keys to adjust the minutes. Press the Light key to jump to the next parameter, the filter or purge start time (FS).

**Programming the filter/ purge cycles**

Depending on system configuration your spa will perform either a filter or a purge cycle. The filter cycle menu consists of the following parameters: the start time (FS), the duration (Fd) and the frequency (FF). The purge cycle menu consists of the following parameters: the start time (FS) and the frequency (FF).

A filter cycle consists of starting all the pumps and blower in high speed for 1 minute (purge step) then, the pump associated with the filter will run in low speed for the remaining duration of the filter cycle (clean step).

A purge cycle is used when the spa is equipped with a 24 hour circulation pump which provides a continuous clean step. It consists of starting all the pumps and blower in high speed for 1 minute.
Setting filter or purge cycle start time

The display will show Fx0, “x” representing the starting hour of the cycle. Use the Up or Down key to adjust the hours. Use the Light key to jump to the next parameter, filter duration (FD).

Setting filter or purge cycle duration

The display will show Fx0, “x” representing the number of cycles per day. Use the Up or Down key to adjust the frequency. Use the Light key to jump to the next parameter, economy mode (ED).

Setting filter cycle frequency

The display will show Fx0, “x” representing the number of cycles per day. Use the Up or Down key to adjust the number of cycles per day. Use the Light key to jump to the next parameter, filter or purge frequency (FP).

0 = no filtration
24 = continuous filtration

It is not recommended to set this to “0”.

Setting economy mode

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

Setting economy start time

The display will show EPx, “x” representing the state of the programmed economy mode (0 = disabled, 1 = enabled).

Setting economy duration

The display will show EPx. “x” representing the duration in hours of the filter or purge cycles per day. Use the Up or Down key to adjust the frequency. Use the Light key to jump to the next parameter, filter cycle frequency (FF).

Setting filter or purge cycle frequency

The display will show FFxx, “xx” representing the number of cycles per day. Use the Up or Down key to adjust the frequency. Use the Light key to jump to the next parameter, filter or purge frequency (FP).

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The display will show EPxx, “xx” representing the state of the programmed economy mode (0 = disabled, 1 = enabled).

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The display will show EPxx. “xx” representing the duration in hours of the filter or purge cycles per day. Use the Up or Down key to adjust the frequency. Use the Light key to jump to the next parameter, filter cycle frequency (FF).

Setting filter cycle duration

(not available on purge systems)

The display will show Fxx, “xx” representing the starting hour of the cycle. Use the Up or Down key to adjust the hours. Use the Light key to jump to the next parameter, filter duration (FD).

Setting filter or purge cycle start time

The display will show Fx0, “x” representing the starting hour of the cycle. Use the Up or Down key to adjust the hours. Use the Light key to jump to the next parameter, filter duration (FD).

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Troubleshooting section

Should an error occur, the display will show one of the following error messages toggled with the clock and the water temperature.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Hr</td>
<td>An internal hardware error has been detected in the in.xe. Contact dealer or service supplier.</td>
</tr>
<tr>
<td>HL</td>
<td>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 power off and power your spa up again to reset the system.</td>
</tr>
<tr>
<td>AOH</td>
<td>Temperature inside 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.</td>
</tr>
<tr>
<td>FLO</td>
<td>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.</td>
</tr>
<tr>
<td>Prr</td>
<td>A problem is detected with the temperature probe. Call your dealer or service supplier.</td>
</tr>
<tr>
<td>OH</td>
<td>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 your dealer or service supplier if problem persists.</td>
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Smart Winter Mode

Our Smart Winter Mode protects your system from the cold by turning pumps on and off several times a day to prevent water from freezing in pipes.

The “SWM” indicator lights up when freezing is detected and flashes when the purge is active.

Cooldown

After heating the spa water to the desired Set Point, the heater is turned off, but its associated pump (Pump1) remains on for a predetermined period of time to ensure adequate cooling of the heating element, prolonging its useful life. The display will show Cx0, “x” representing the cooling duration in hours of the filter or purge cycles. Use the Up or Down key to adjust the duration.

Water temperature regulation

Every 15 to 90 minutes the pump will run to ensure accurate water temperature readings as well as avoid heater activation in dry conditions. After verifying pump activation and taking a water temperature reading if required, the system automatically turns the heater on to reach and maintain water temperature at Set Point. When the Economy mode is ON, the display will toggle between the “Eco” message, the time, and the water temperature.

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Setting filter or purge cycle start time

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Setting filter or purge cycle frequency

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Setting temperature unit

Water temperature can be displayed in either Fahrenheit (“F”) or Celsius (“C”). The display will show F or C.

Use the Up or Down key to change the setting. Use the Light key to save all the parameters.

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