

OPERATION SYSTEMS –800 SERIES CONTROL



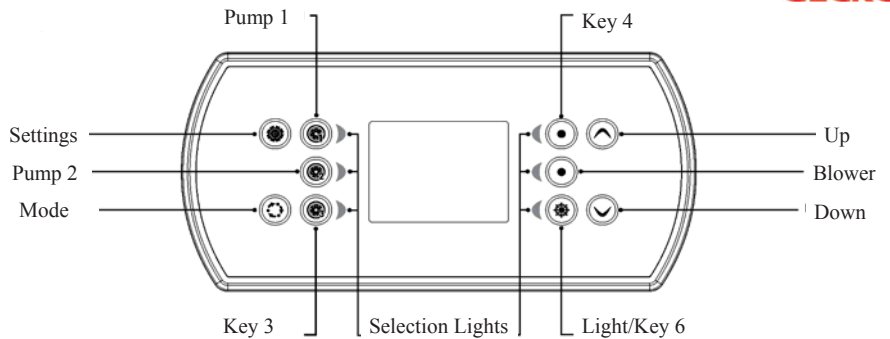
WARNING: READ ALL INSTRUCTIONS BEFORE USING THE SPA. PDC Spas, PDC International assumes no responsibility for personal injury or property damage sustained by or through the use of this product. When installing and using this equipment basic safety precautions should always be taken to reduce risk of electrical shock, ensure safe usage, and safeguard the user's health.



In.K 800 Series Control Standard control on LX Series spas



Window and Icons



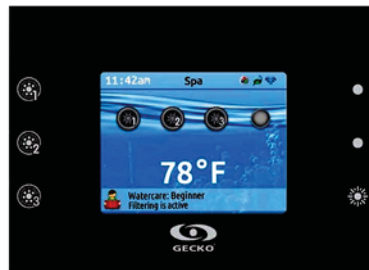
in.clear:

- The icon is green when the in.clear is generating bromine.
- The icon is grey when the in.clear isn't generating bromine.
- A red cross indicates that the in.clear is turned off.

in.touch:

- Indicates that the in.touch module is detected and connected to a Wi-Fi network.
- A red cross indicates that the in.touch module is detected but isn't connected to a Wi-Fi network.

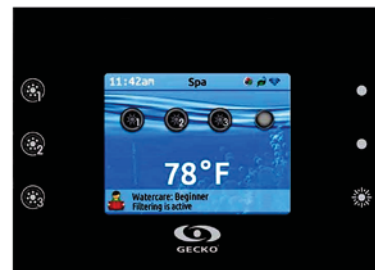
For more information about the in.mix, in.clear or in.touch, refer to the Techbook.



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. Another press turns pump off.

A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first.



Pump 2 key

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). Press another time to turn pump off.

A built-in timer automatically turns pump off after 20 minutes, unless pump has been manually deactivated first.

Power

Press any button to turn the keypad on. After 30 minutes without activity it will shut off.

Main Screen

This gives you access to your accessories and water temperature. At the bottom of the screen you will see any error or maintenance messages that are present.

Notifications

These are at the top right-hand side of screen, it shows the state of certain installed spa accessories.

Start or Stop Accessories

Press the associated but to start or stop. Icons will become animated when their accessory is turned on and in-animated when turned off. Icons on the screen will reflect the speed or state of the devices running on your spa. If accessory has more than two states, press the button until it reaches the desired state.



Pump 3 key

Press **Pump 3** key to turn Pump 3 on at high speed.

Press a second time to turn pump off.

A built-in timer automatically turns pump off after 20 minutes, 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 20 minutes, unless blower has been manually deactivated first.



Light key

Press **Light** key to turn light on.

Press a second time to turn light off. Repeatedly turning on/off key toggles between color selections.

A built-in timer automatically turns light off after 2 hours, unless it has been manually deactivated first.



Water Temperature

The temperature shown at the bottom of the screen shows the water temperature. Use the up and down buttons to set the desired temperature. The set point will appear in blue. After 3 seconds without any change, the current water temperature will reappear on the screen.

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Settings

From the homepage you can access the settings, where you will find: water care, audio, in.clear, 200 if installed, maintenance, date & time, keypad settings, WiFi if in.touch is installed. Use the arrow keys to move up and down in the list. To select an option press the lit button beside it. Press the settings button to return to the home screen or key 1 to go back.



Water Care

This section will help you set up ideal filtration and heating settings. Choose home away from home, beginner, energy savings, super energy savings, and weekender, depending on your need. Use key 2 to choose your setting. A green checkmark will appear on selected icon to confirm. In energy savings mode the set point will decrease by 20 degrees. The filtration schedule shown on the screen will apply to the main filtration, pump 1.



Modifying Schedules

Use the lit key to the right, blower key, to open the selected water care menu. Add schedules by scrolling down to add and selecting with the pump 2 key. To delete a schedule press key 4. Modify by selecting one and adjust using the arrow keys, use pump 2 key to move between parameters. You have several options for the schedule. These schedules will be repeated every week. The time and duration are set in 30 minute increments. Once you have the set schedule use key 1 to go back.



Audio

The audio section in the settings menu gives you the option to disconnect or un-pair your Bluetooth enabled device when using the in.stream. For more information on audio functions see the in.tune or in.stream operation section.

Water care modes



Away from home:

In this mode the spa will always be in economy; the set point will be reduced by 20° F.



Beginner:

The spa will never be in economy mode and will be filtering according to the pack's low level configuration.



Energy Savings:

The spa will be in economy mode during the peak hours of the day and resume normal mode on the weekend*.



Super Energy:

The spa will always in economy mode during peak hours, every day of the week*.



Weekender:

The spa will be in economy mode from Monday to Friday, and will run normally on the weekend*.

*filtration will be reduced when the economy mode is active.



In.stream Functions

Press the mode key to access your in.stream. (If you are using a device with bluetooth, it must be connected for functions to work. The play/pause and change track functions apply to bluetooth devices only, they will not work when AUX is selected as the source.)

Turning power on/off: Press the power key to turn the in.tune on or off.

Selecting the source: Press the bluetooth key to select a device using bluetooth. Press the source key to use a device connected to the auxiliary cable. If no source is selected the last used source will automatically be selected.

Play/pause: Press the play/pause button to start or pause the audio.

Adjusting the volume: press volume up/down to increase or decrease.

Changing tracks: use the last track and next track keys to change tracks.

Disconnect or unpair bluetooth: These options can be found under the audio section in the settings menu.



In.clear-200 (linked version)

The in.k800 keypad can be used with the in.clear sanitization system. The in.clear section allows you to configure your maintenance and boost settings, see the in.clear manual.

Use the up and down keys to make your selection, then pump 2 key to confirm.



In.clear Functions

Press the mode key to access your in.clear, if available. This menu allows you to deactivate your in.clear, to start or stop a boost, and to enter diagnostic mode.

Turning in.clear on or off: press the power key to turn on or off.

Control the boost level: press on the boost activation/deactivation key to start a second time to stop.

Adjust the boost with the up or down arrow keys. A message at the bottom will indicate if boost is active.



Diagnostic Mode

Press on the diagnostic key to start a bromicharge concentration level test, to exit press the key again. In diagnostic mode the bromicharge gauge indicates the approximate level of bromicharge in the spa water, do not add bromicharge if the indicator is in the green zone. When bromicharge is added the indicator will move slowly to the right. When water is added the indicator will move to the left. To obtain a good level start the pumps, add the specified amount of bromicharge, wait 5 minutes for the indicator to adjust before adding more. For optimum performance aim for the middle of the green zone.



Maintenance

From the settings page you can access the maintenance menu, which gives you access to the following options: maintenance reminders, standby, and error log. Use the up and down keys to make a selection and confirm by pressing the pump 2 key.



Maintenance Reminders

The in.k800 keypad will remind you of maintenance required on your spa. Each task has its own duration based on normal use. The maintenance reminders menu allows you to verify the time left before maintenance is required, as well as to reset the time once a task is completed. Use the up and down keys to move through the list. To reset a task select it by pressing pump 2 key, then confirm when prompted. Once you have confirmed the task will be reset.



Standby

This mode allows you to service your spa. Pumps will stop for 30 minutes and automatically restart after this time. Once standby mode has been activated a screen will appear to show that pumps are stopped. The normal spa page will return at the end of maintenance. Press on the confirm key to leave standby mode and restart the spa.



Error Log

Here you can see errors that have been archived by the system. Use the up and down keys to move through the list. Errors are archived chronologically from most recent to oldest. The error log pages shows the error code, date, and time. To see more details on an error select pump 2 key. A screen will appear with more information on the selected error. To clear the log press on key 4 and confirm when prompted. See the in.k800 book for more info.



In.clear Functions

Press the mode key to access your in.clear, if available. This menu allows you to deactivate your in.clear, to start or stop a boost, and to enter diagnostic mode.

Turning in.clear on or off: press the power key to turn on or off.

Control the boost level: press on the boost activation/deactivation key to start a second time to stop. Adjust the boost with the up or down arrow keys. A message at the bottom will indicate if boost is active.



Date and Time

Here you can adjust the time format, change the year, date, and time. Use the arrows to choose the setting that you want to adjust and select it by pressing pump 2 key. Use the arrow keys to change the parameters and key 2 to move between parameters. Pump 1 key will take you back to the main settings menu.



Keypad Settings

In this section you can change the temperature unit, language, display orientation, and rim light color. Use the arrow keys to choose the setting that you want to adjust. Select it by pressing the pump 2 key then use the arrow keys again to change the setting. When you change the display orientation, the contextual options and arrow keys adjust to the chosen orientation. The mode and menu keys remain unchanged, as well as the accessory keys in the spa menu.



Please do not make changes in this section unless you are a qualified electrician.



About

This section shows information about the in.k800 software number, and the revision numbers of the different components of your system.



Wi-Fi

This menu allows you to connect your in.touch module to a wi-fi network or to change its network. For more details about other in.touch connection methods please see the in.touch textbook. To connect your in.touch module to a wireless network, use the up/down keys to go to the wi-fi option in the settings menu and pump 2 key to select. After a few seconds the available networks will appear on the screen as well as their signal strength. Use the up/down keys to move through the list. Select your network by pressing pump 2 key. If the wi-fi network is password protected enter it when prompted. Use the arrow keys to choose your letters, the light key to move the cursor, the key 4 to change the type of character (upper/lower case, number, symbol), pump 3 key to backspace and the pump 2 key to confirm. If no password is required the in.touch will connect automatically. Once connected a green check mark will appear with the network name in the settings menu.