SpaTech Touchpad Startup Guide

SpaTech Touchpad Key

Key	Symbol	Function
Power		Power on / standby
Jet 1		Turn on / off pump1
Jet 2		Turn on / off pump2
Blower		Turn on / off blower
Light		Turn on / off light, set light mode
Mode		1. Sleep / economy / standard mode 2. Yes / no
Time		Time setting
Up		Increase time / temperature, select modes
Down		Decrease time / temperature, select modes
Time + Up	+	Reverse / non-reverse time and temperature display
Up + Down	+	Panel locked (PL) / unlock panel
Time + Blower	+	Mode and setting temperature and cycle time return to factory settings
Mode + Jet 1	+	Pump work cycle setting

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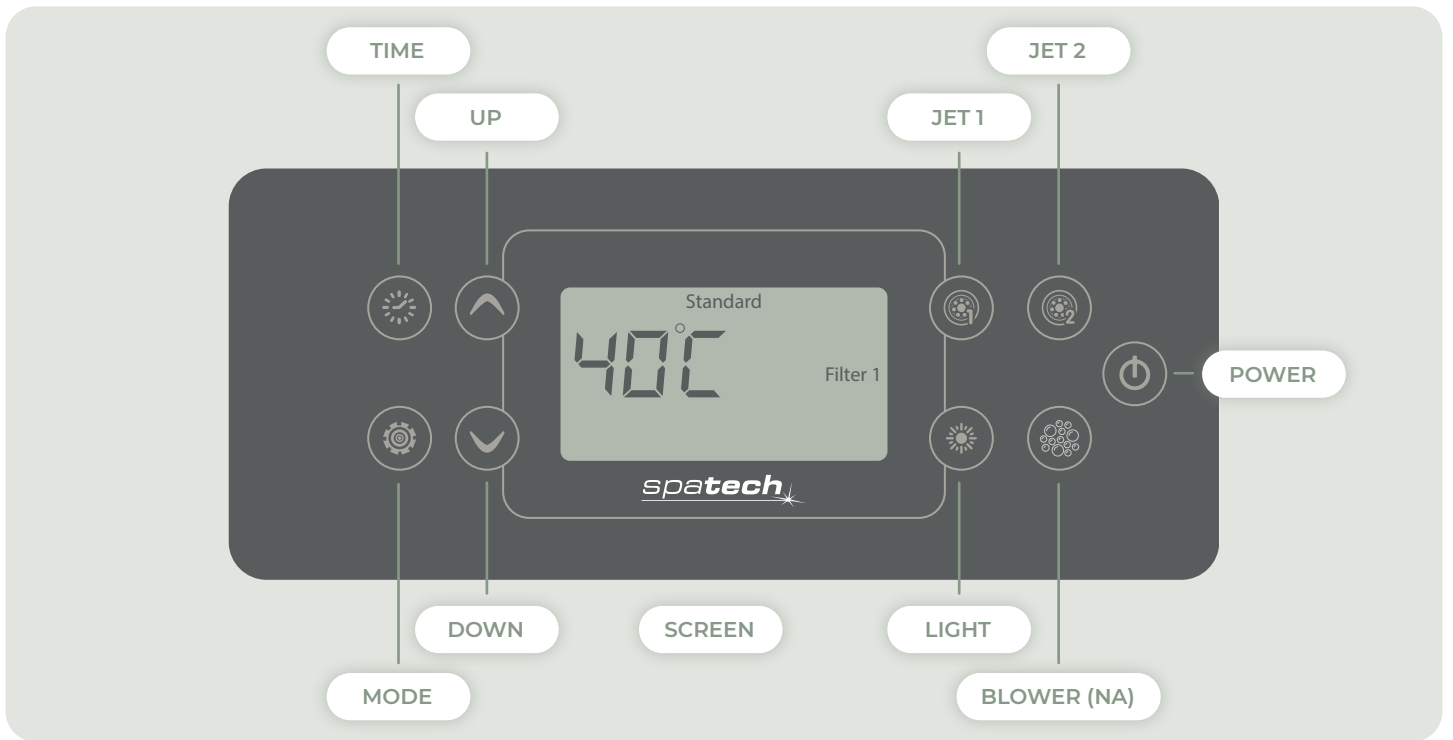
Standby / Power On

The spa will automatically enter standby mode when the spa is connected to power and turned on. In standby mode, the current water temperature will appear on the LCD screen and the thermostatic function and filtration cycle will start as per the default setting. There will be no backlight on the screen.

Only the time button ⚙ and the on button ⏻ will be available. Press the on button ⏻ to illuminate the screen and bring all buttons into action.

Note, the system will automatically go into standby mode and the screen light will turn off if no buttons on the screen are pressed for one hour.

Setting the Temperature

Your spa comes with a thermostatically controlled heater. You can set the temperature from the control panel. In standard mode, when the water temperature drops below the set temperature, the heater will automatically turn on.

The screen will display the water temperature when the power is on. When the up button ⌃ or the down button ⌄ is pressed, the digital number showing the set temperature will flash. You can then press the up and down buttons to change the set temperature. The temperature can be adjusted from 10°C to 40°C. After five seconds, the digital numbers will stop flashing, indicating the temperature has been set and will return to displaying the current water temperature.

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Systemic Time Setting

Press the ☀ button to display the set time. Program the clock by pressing the ⚙ button. The display will show a digital clock with the hour setting flashing, use the up and down buttons for the correct hour, pressing ⚙ save the changes. Next, the minutes setting will flash. Again, use the up and down buttons, pressing ⚙ to save changes. The time setting is now complete.

Note, the time displayed is in 12-hour clock mode, with AM and PM to identify. Ensure not to leave more than five seconds between setting the time, as the time setting will be exited without saving changes.

Filtration Cycle Setting

+ If using **Galaxy's Water Start Up Care Kit**, set your filter cycles to **two sets of four-hour filtering**.
+ If you are using **simplesilver™**, set your filter cycles to **two sets of six-hour filtering**.

After setting the time, press ⚙ FILTER 1 and START TIME will appear on the screen. Select the hour by pressing the up and down buttons to set the start time for the first filter cycle. Press ⚙ again to set the end time.

Repeat this process for FILTER 2, your second filtration cycle.

+ If no activity occurs for five seconds during setting the filtration cycle, the touchpad will exist the screen without saving the changes and you will need to restart.
+ The filtration cycle will only run when the spa is in standby mode. When this occurs the control panel will display "O3". When the spa is in power on mode, the filtration function will stop.
+ If you set both filtration cycles to the same time, only one filtration cycle will run.

Mode Setting

There are three modes, standard, economy and sleep.

Standard: the heater turns on every time the water temperature drops below your set temperature.

Economy: the heater only turns on for the first hour during each of your two filtration cycles.

Sleep mode: the heater will only turn on when the water temperature drops below 11°C.

How to set the mode.

Press the ⚙ button to engage the setting, use the up or down buttons to select your desired mode. Press ⚙ again to confirm your selection.

When the spa power button is on (i.e. the spa is in use), your touchscreen will display a static standard mode label and flashing economy mode label. This is normal.

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Light Settings

Press the button to turn the light on and off and change the colour.

Jets / Blower

+ To turn the jets on, press the jet1 button.

+ If you have a spa with two massage pumps, you will also be able to turn on jet2. Note that if you have a one pump spa, the touchpad will still have the jet2 button, but it will not be operational.

+ Your spa does not have an airblower, so the blower button will not be operational.

The default timer turns the jets off after 15 minutes.

You can modify this:

Press and to reset the automatic turn off time. There are three options: 15 minutes, 30 minutes, and 60 minutes. This will show as P15, P30, or P60 on your screen.

Other Functions

Plumbing (hose and pipe) clearing cycle.

The system will turn on the massage pump/s at high speed for three to four minutes at the beginning of the filtration cycle to purge the jets and clean the hose and pipes. If your spa has a designated separate circulation pump, this will kick in for the rest of the cycle.

Memory function.

The system will revert to the last setting after each power on.

Default settings.

Temperature: 38°C.

Mode: standard.

First filtration cycle (filter 1): 8.00AM - 10.00AM.

Second filtration cycle (filter 2): 8.00PM - 10.00PM.

Digital Diagnostics Function

Your SpaTech control system will automatically detect any errors and display an error message on your screen, before going into protective mode. Refer to the troubleshooting guide below.

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Protection / Fault	Fault Display	Reason	Elimination Methods
Communication malfunction	E0	The connection between the control panel and the main PCB is loose.	1. Tighten the connection between the control panel and the main PCB. 2. If the problem persists, contact your dealer and replace the PCB or control panel.
Water temperature sensor 1 protection	E1	1. The connection between temperature sensor 1 and the main PCB is loose. 2. Temperature sensor 1 fault.	1. Tighten the temperature sensor 1 and control panel following the wiring diagram. 2. If the problem persists, replace the temperature sensor.
Water temperature sensor 2 protection	E2	1. The connection between the temperature sensor 2 and the main PCB is loose. 2. Temperature sensor 2 fault.	1. Tighten the temperature sensor 2 and control panel following the wiring diagram. 2. If the problem persists, replace the temperature sensor.
Heat pump copper tube temperature sensor protection	E3	1. The connection between the copper tube temperature sensor and the main PCB is loose. 2. The copper tube temperature sensor fault.	1. Tighten the copper tube temperature sensor and control panel following the wiring diagram. 2. If the problem persists, replace the copper tube temperature sensor.
Water flow switch protection	E4	1. The connection between the water flow switch and the main PCB is loose. 2. Water flow switch fault. 3. Circulation tube blocked with air. Unscrew the slipknot of the circulation pump to drain out the blocked air in the plumbing.	1. Tighten the connection between the water flow switch and the main PCB. 2. Replace the water flow switch. 3. Check and make sure all the side check valves are fully open.
High voltage or low voltage protection	E5	1. Power supply voltage is higher/ lower than the spa-rated voltage. 2. Power receptor in PCB fault.	Cut off the power supply, check and make sure the power supply is set according to spa-rated power supply requirements.
Inadequate water flow or incorrect water level protection	E9	Inadequate water flow or incorrect water level protection.	1. Check and make sure all the side check valves are fully open. Cut off the power supply, uptight the slip knot of the circulation pump or dual speed pump to drain out the blocked air in the plumbing and power on again. 2. Check if the heater sensors are broken. 3. If the problem persists, contact your dealer.
Low-temperature protection	C	1. Actual water temperature ≤ 6°C. 2. Temperature sensor fault.	1. Heater will heat till the spa water temperature has risen to 9°C, then the message 'C' disappears. 2. If the actual temperature stays below 6°C, please contact your dealer.
High-temperature protection	H	1. The detected water temperature is ≥ 47°C. 2. The temperature sensor fault.	1. Shut off the power and wait till the spa water temperature is ≤ 41°C. 2. If the problem persists, contact your dealer.
Overheat protection	HH	1. The detected water temperature is ≥ 47°C. 2. The temperature sensor fault.	1. Cut off the power supply, and wait for the water to cool down ≤40°C. 2. If the problem persists, contact your dealer for help.
Control panel locked	PL	The panel is locked.	To unlock the panel, press "up" and "down" simultaneously.

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