

VL801D Quick Reference Guide



INITIAL START-UP

When your spa is first activated (Powered up) it will go into Priming Mode indicated by "PR" on the LCD readout. The Priming Mode will last for up to 4 minutes and then the spa will run in Standard Mode.

Temperature Adjustment

The last measured temperature is consistently displayed on the LCD. Press "Warm" or "Cool" once to display the set temperature. Each time either button is pressed again, the set temperature will increase or decrease depending on which button is pressed. After three seconds, the LCD will automatically display the last measured temperature. Temperature adjustments can only be made from the Main Touch Panel.

Setting the Time of Day

When the spa is first powered up, the words "SET TIME" will flash on the display. Press "Time", then "Mode/Prog", then "Warm" or "Cool". The time will begin changing in one-minute increments. Press "Warm" or "Cool" to stop the time from changing. Press "Time" to confirm.

Jets 1

Press "Jets 1" to turn Pump 1 On and Off. If left "On" Pump 1 will turn off after 15 minutes.

If a 2 Speed Pump (option) is utilised in your spa, low speed automatically turns on during filter cycles. It cannot be de-activated during filter cycle but high speed may be activated.

Jets 2 /Jets 3

Press "Jets 2/3" to turn pump 2 On/Off. If left on Pump 2/3 will turn off after 15 minutes.

Blower

This pad turns the Blower On/Off. The Blower automatically turns off after 15 minutes.

Light

Press the "Light" button to turn the Spa Light On/Off. If left on, the Light automatically turns off after 4 hours.

SETTING STANDARD/ECONOMY & SLEEP MODE

Mode/Prog

Mode is changed by pressing "Warm" or "Cool", then pressing the "Mode/Prog" button.

Standard Mode maintains set temperature and the Standard icon will be displayed.

Economy Mode heats the spa to set temperature only during filter cycles. **ECON** will display when water temp is not current, and will alternate with water temp when

the pump is running. The Economy icon will be displayed.

Sleep Mode heats the spa to within 20°F/10°C of the set temperature only during filter cycles. **SLEEP** will display when water temp is not current, and will alternate with current water temp when the pump is running.

OPTIONAL FILTER CYCLE PROGRAMMING

You are not required to change the filter cycles, but if you wish to, press "Time", "Mode/Prog", "Mode/Prog" within 3 seconds. Set "START FILTER 1 (AM)" will appear. Press "Warm" or "Cool" to reset the filter start time.

Press "Mode/Prog" to see "SET STOP FILTER 1" and adjust the time with "Warm" or "Cool" as per above. Press "Mode/Prog" to see "SET START FILTER 2 (PM)" and proceed as above. Press "Mode/Prog" to see "SET STOP FILTER 2" and proceed as above. Press "Mode/Prog" to confirm.

Preset Filter Cycles

The first preset filter cycle starts at 8.00am and ends at 10.00am. The second preset filter cycle starts at 8.00pm and ends at 10.00pm.

For non-circulation systems, low-speed pump 1 and the ozone generator (if installed) run during filtration.

For 24 hour circulation systems, the circ pump and the ozone generator (if installed) run 24 hours per day. In hot environments, the circulation pump may turn off for 30 minute periods, except during filter cycles.

For non-24 hour circulation systems, the circulation pump and ozone generator (if installed) run during filtration (and may also run automatically at other times).

At the beginning of each filter cycle, all other equipment will run briefly to purge the plumbing.

Locking the Panel

Press "Time", "Blower," and "Warm" within 3 seconds. The Panel is now locked. To unlock the panel, press the "Time", "Blower", and "Cool" within 2 seconds.

Locking the Set Temperature

Press "Warm", "Time", "Blower", and "Warm" within 3 seconds. The "Warm" and "Cool" buttons are now disabled. To unlock the temperature, press "Time", "Blower", and "Cool" within 2 seconds. Note: On some systems, "Jets 1", instead of "Blower" is used in Lock/Unlock sequences.

Freeze Protection

If the temperature sensors inside the heater detect a drop of water temperature to approx 6.7°C, then the pumps will automatically activate to provide freeze protection. The equipment will remain on for 4 minutes after the sensors detect the water temperature at approx 7.2°C. In colder climates, an optional freeze sensor may be added to protect against freeze conditions. See your Authorised Spa Dealer for details.

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DIAGNOSTIC MESSAGES

Message	Meaning	Action Required
	No message on display. Power has been cut off to the spa.	The Control Panel will be disabled until power returns. Time of day will be preserved for 30 days with a battery backup.
DHH	'Overheat' - The spa has shut down. One of the sensors has detected (approximately 47.8°C) at the Heater.	DO NOT ENTER THE WATER. Remove the Spa Cover and allow water to cool. Once the Heater has cooled, reset by pushing any button. If Spa does not reset, shut off the power to the spa and call your Authorised Spa Dealer or Service Technician.
DHS	'Overheat' - The spa has shut down. One of the sensors has detected that the spa water is (approximately 43.3°C).	DO NOT ENTER THE WATER. Remove the spa cover and allow water to cool. At 43°C, the spa should automatically reset. If spa does not reset, shut off power to the spa and call your Authorised Spa Dealer or Service Technician.
ICE	'Ice' - Potential freeze condition detected.	No action required. The Pump and Blower will automatically activate regardless of spa status.
SNA	Spa is shut down. The sensor that is plugged into the Sensor 'A' jack is not working.	If the problem persists, contact your Authorised Spa Dealer or Service Technician (May appear temporarily in an overheat situation and disappear when the heater cools). If the problem persists, contact your Authorised Spa Dealer or Service Technician. (May appear temporarily in an overheat situation and disappear when the heater cools).
SNB	Spa is shut down. The sensor that is plugged into the Sensor 'B' jack is not working.	
SMS	Sensors are out of balance. If this is alternating with the temperature, it may just be a temporary condition. If the display shows only this message (periodically blinking), the spa is shut down.	If the problem persists, contact your Authorised Spa Dealer or Service Technician.
HFL	A substantial difference between the temperature sensors was detected. This could indicate a flow problem.	Check water level in spa. Refill if necessary. If the water level is correct, make sure the pumps have been primed. If problem persists, contact your Authorised Spa Dealer or Service Technician.
LF	Persistent low flow problems. (Displays on the fifth occurrence of the 'HFL' message within 24 hours.) Heater is shut down, but other spa functions continue to run normally.	Follow action required for 'HFL' message. Heating capacity of the spa will not reset automatically; you may press any button to reset. Remove filters if clears, dirty filters. Potential airlock, pumps may need to be purged.
DR	Inadequate water detected in Heater.	Check water level in spa. Refill if necessary. If the water level is correct, make sure the pumps have been primed. Press any button to reset.
DRY	Inadequate water detected in heater (Displays on third occurrence of 'DR' message.) Spa is shut down.	Follow action required for 'DR' message. Spa will automatically reset; you may press any button to reset. Potential airlock, pumps may need to be purged.
PR	When the spa is first activated it will go into Priming Mode.	Priming Mode will last for up to 4 minutes and then the spa will begin to heat and maintain the water temperature in the Standard Mode.