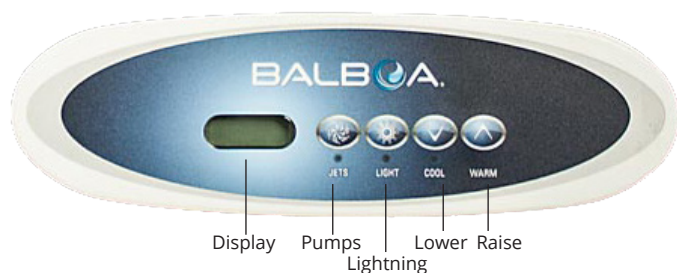


Manual to Balboa series

For systems with v41 software



Opstart

When you turn on your outdoor spa, the display enters "Priming Mode" (*Pr*)

During Priming Mode, press the pump button repeatedly to ensure that the pump is empty of air pockets.

Priming Mode lasts less than 5 minutes. Press the up or down arrow to cancel Priming Mode.

After Priming Mode, the spa goes into Standard Mode (see section Mode).

Temperature control (26 ° C - 40 ° C)

The display shows the last measured water temperature. The current temperature is only displayed when the pump has been running for at least one minute.

Press the up or down button once to display the set temperature. To change the set temperature, press the button again before the display stops flashing. Each press of the up or down button changes the temperature by one degree.

After three seconds, the display stops flashing and shows the current temperature again.

Pumps

Press the pump button to turn the pump on or off. Press again to get the pump at high speed.

The pump will run for a predetermined period, which can be as long as two hours at low speed.

If the pump switches on automatically at low speed, the pump cannot be switched off on the display. High speed can be turned on or off. If an ozonator is installed, it will run while the pump is operating at low speed. Circulation for filtration and heating also runs at low speed.

If the buttons are pressed too quickly, the display may not detect the subsequent presses.

Lighting

Press the light button to turn the light on / off. It will automatically turn off after four hours.

Mode

Depending on the configuration of your spa, you can run several modes (modes) on your outdoor spa. If your spa cannot switch modes, it will run in Standard Mode, indicated by *St* on the display.

To switch, press an up or down button and then the light button.

In Economy Mode, the spa only heats up to the set temperature during the filtration cycle (low speed). It says *Ec* in the display and the displayed temperature is not current but changes to the water temperature during the cycle.

In Sleep Mode, the spa heats up to 10 ° C during the filtration cycle. It says *SL* in the display and the displayed temperature is the water temperature during the cycle.

Preset filtering cycles

The first preset filtration cycle begins 6 minutes after the spa is turned on.

The next cycle begins 12 hours later.

Filtration cycles can be programmed for 1 - 8 hours in hourly intervals. Default is one hour.

To set the cycle, first press the up or down key, and then the pump button. Then use the up or down keys to set the time and press the pump button to exit.

Error codes

Error codes	Status	Solution
	No message in the display. There is no electricity at the spa.	The display will be turned off until the spa is powered. All settings are saved until next time.
--	Unknown temperature.	The current temperature only shows after approx. a minute.
HH	"Overheating" - The spa is turned off. * One of the sensors has measured a temperature above 47.8 ° C at the heater.	DO NOT GO IN THE WATER. Remove the cover and allow the spa to cool. When the spa has cooled down again, press any button to reset the display. If the display does not reset, turn off the power and call for service.
OH	"Overheating" - The spa is turned off. * One of the sensors has measured a temperature of 43.5 ° C in the water.	DO NOT GO IN THE WATER. Remove the cover and allow the water to cool. When the water reaches a temperature of 41.7 ° C, the display restarts automatically. If the display does not reset, turn off the power and call for service.
SA	The spa is turned off. * The sensor in the "A" socket does not work.	If this problem persists, call for service. The condition may be temporary during overheating.
Sb	The spa is turned off. * If the message changes with the temperature display, it may be temporary. If messages flash alone, the spa is turned off *.	If this problem persists, call for service. The condition may be temporary during overheating.
Sn	The sensors are not in balance. If the message changes with the temperature display, it may be temporary. If messages flash alone, the spa is off. *	If this problem persists, call for service.
HL	There is a significant difference between the measured temperatures at the sensors. This can be a flow problem.	If the water level is normal, make sure there are no air pockets in the pumps. If this problem persists, call for service.
LF	Persistent low water flow (Appears on the fifth display of HL within 24 hours). The heater is off, but other spa functions are normal.	Do the same as with the HL message. Reset by pressing any button. If this problem persists, call for service.
dr	There may be too little water, poor flow or air pockets in the heater. The spa is off for 15 minutes.	If the water level is normal, make sure there are no air pockets in the heater. Press a button to restart. The message will turn off within 15 minutes. If this problem persists, call for service.
dy	There is not enough water in the heater. (Appears after third door message) The spa is turned off. *	Do the same as for the dr message. The spa does not restart automatically. Press a button to restart.
IC	"Ice". There is a risk of frostbite.	Nothing needs to be done. All equipment starts automatically regardless of the mode of the spa. The equipment runs until four minutes after the sensors have measured a temperature of 7.2 ° C or more.

* Even when the spa is turned off, the equipment will start in case of danger of frost damage.