

BALBOA SPAMONITOR

Operating Instructions



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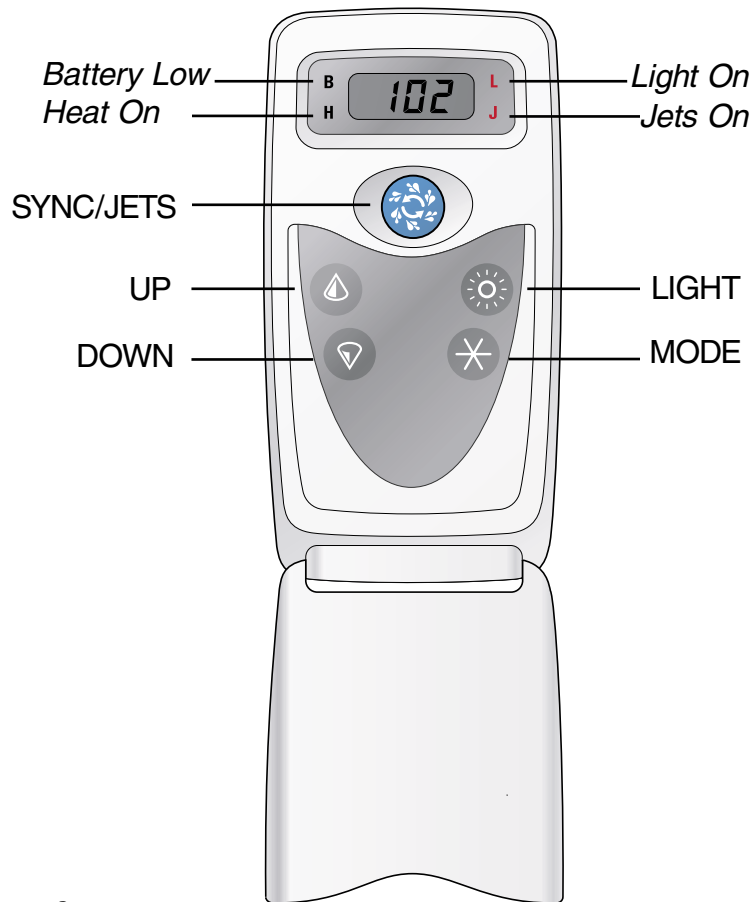
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IMPORTANT:

The user is cautioned that changes not expressly approved by Balboa Instruments, Inc. could void the user's authority to operate the equipment.



←
CAUTION:
Pull carefully
with your
fingernail
from the top
right corner to
open.



Mode



This button is used to switch between standard, economy, and sleep modes. Press **MODE** to enter mode programming, press “Down” to cycle through to desired mode (LCD flashes until confirmed), then press **MODE** to confirm selection.

Standard mode maintains the desired temperature. Note that the last measured spa temperature displayed is current only when the pump has been running for at least 2 minutes. “Std” will appear on the display momentarily when you switch into Standard Mode.

Economy mode heats the spa to the set temperature only during filter cycles. “Ecn” will appear solid when the temperature is not current and will alternate with the temperature when the temperature is current.

Pressing **SYNC/JETS** while in Economy mode puts the spa in **Standard-In-Economy mode**, (“SE”) which operates the same as Standard Mode, then reverts to Economy Mode automatically after 1 hour. Press **DOWN** or **UP** followed by **LIGHT** to revert the mode to Economy immediately.

Sleep mode heats the spa to within 20°F (11°C) of the set temperature only during filter cycles. “SLP” will appear on the display until mode is changed.

Sync/Jets



The **SYNC/JETS** button on the SpaMonitor works like the **JETS1** button on your main panel (or like the **JETS** button if your main panel has only one Jets button).

Diagnostic Messages

Message	Meaning	Action Required
<i>Std</i>	The spa is operating in Standard Mode.	Temperature display is current after pump has been running for at least 2 minutes.
<i>Ecn</i>	The spa is operating in Economy Mode.	“Ecn” will appear solid on the display when the temperature is not current. “Ecn” will alternate with the temperature when the temperature is current.
<i>SE</i>	The spa is operating Standard-in-Economy Mode.	Operates the same as Standard mode, then reverts to Economy mode after 1 hour. Press MODE to switch directly to Economy mode.
<i>SLP</i>	Sleep Mode has been activated by pressing a button combination on the user panel.	“SLP” will appear solid on the display when the temperature is not current. “SLP” will alternate with the temperature when the temperature is current.
<i>tSt</i>	The spa is operating in Test Mode. The Spa Monitor is unable to operate normally in Test Mode.	Contact your distributor or authorized dealer to have the spa switched back to User Mode.

Consult your main panel documentation for the meaning and required action that corresponds to any additional three-letter diagnostic or reminder messages that may appear on the SpaMonitor display. If you use an ML900 main panel, consult the ML900 Cross-Reference Table on the next page to correlate the three-character message on the SpaMonitor with the 12-character message on the ML900.

ML900 Message Cross-Reference Table

Diagnostic Messages

<u>SpaMonitor</u>	<u>ML900</u>	<u>SpaMonitor</u>	<u>ML900</u>
<i>dr</i>	HEATER MAY BE DRY-- WILL RETEST SHORTLY	<i>PHH</i>	PH IS HIGH LOWER PH
<i>dry</i>	HEATER DRY SERVICE REQ	<i>PHL</i>	PH IS LOW RAISE PH
<i>HFL</i>	HTR FLOW LOW	<i>Pr</i>	PRIMING MODE
<i>ICE</i>	FREEZE COND	<i>SAH</i>	SANITIZER HIGH
<i>LF</i>	LOW FLOW	<i>SAL</i>	SANITIZER LOW
<i>QHH</i>	HTR TEMP LMT SERVICE REQ	<i>Sby</i>	STANDBY MODE
<i>QHS</i>	SPA TEMP LMT	<i>SnA</i>	SENSOR A SERVICE REQ

ML900 Message Cross-Reference Table

Diagnostic Messages (Continued)

<u>SpaMonitor</u>	<u>ML900</u>	<u>SpaMonitor</u>	<u>ML900</u>
Snb	SENSOR B SERVICE REQ	SnS alone	SENSOR SYNC
		SnS alternating with temperature	SENSOR SYNC SERVICE REQ

Reminder Messages

<u>SpaMonitor</u>	<u>ML900</u>	<u>SpaMonitor</u>	<u>ML900</u>
rCH	NEW FILTER	rPH	CHECK PH
rCL	CLEAN FILTER	rSA	CK SANITIZER
rCO	CLEAN COVER	rTG	TEST GFCI
rdr	DRAIN WATER	rTr	TREAT WOOD

Sounds

The Spa Monitor sounds an alarm when it detects the spa offline for more than 3 hours* or when the spa detects a condition that may require your attention (i.e. overheat). Press any button to reset the alarm.

*The SpaMonitor detects the spa offline when it cannot communicate with the base unit. This can occur when the Spa Monitor is out of range or if there is a connection or power problem.

Things to Avoid

Be careful not to press multiple buttons together in normal use. Certain combinations of buttons put the SpaMonitor into special modes which are covered in the Installation Manual.