

Jumper Settings for 6600-180/6600-398

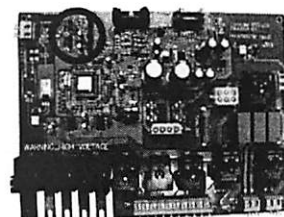
Universal LCD Circuit Boards (North America 60Hz)

The following circuit boards are available as a replacement for the spas outlined in the table below:

6600-180 PWA: LCD 60Hz COMBO SW 2012 (For 1 And 2 Pump Spas)

6600-398 PWA: LCD 60Hz 3-PMP 2012 (For 3 Pump Spas)

These boards use the same mounting footprint as older circuit boards to simplify replacement. Refer to the table below for compatibility information and complete jumper selection details. To ensure optimum performance, always remember to verify all circuit board jumper settings and spa functions before leaving the work site.



Compatible LCD Spas		Incompatible LCD Spas
2006-2009 J-400 Models (2.0 Logic*)	880 Models (2.0 Logic*) 880 Maxxus Models (3.0 Logic*)	J-385 3-Pump Models
J-300 LCD Models (4.0 Logic*)	2002+ 850 1 & 2 Pump Models (4.0 Logic*)	Pre-2002 850 Models 850 Maxxus 3-Pump Models

**Software logic is verified on the topside Control Panel display when spa power is first applied.*

Circuit Board Jumper Table				
JP19 Jumper Bank	Jumper	Function	ON	OFF
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Jumper Bank 1 <input type="checkbox"/> <input type="checkbox"/> JP19 3 <input type="checkbox"/> <input type="checkbox"/> 5 <input type="checkbox"/> <input type="checkbox"/> 7 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 9 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 11 <input type="checkbox"/> <input type="checkbox"/> </div> <div style="text-align: center; margin-top: 10px;"> Place Jumpers Across Pins As Illustrated </div>	JP19-1	Selects temperature display type	°C	°F
	JP19-3	Selects 50Hz or 60Hz power setting	Enables Export 50Hz power setting	Enables North American 60Hz power setting
	JP19-5	Selects light output signal type	Enables LED light output (On-Off)	Enables Incandescent light output (Hi-Med-Low-Off)
	JP19-7	Not Used		
	JP19-9	Not Used		
	JP19-11 (See Note 1)	Selects Jets Pump 1 Logic	4.0 Logic Enables 2-Speed Pump 1 Logic (Replaces 6600-092 Board)	2.0 Logic Enables 1-Speed Pump 1 Logic (Replaces 6600-098, -161 Boards)

Note 1: JP19-11 is not used on the 6600-398 Maxxus 3-Pump Circuit Board with 3.0 Logic.

JP9 Jumper Bank	Jumper	Function	ON	OFF
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Jumper Bank 1 <input type="checkbox"/> <input type="checkbox"/> JP9 3 <input type="checkbox"/> <input type="checkbox"/> 5 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 7 <input type="checkbox"/> <input type="checkbox"/> 9 <input type="checkbox"/> <input type="checkbox"/> 11 <input type="checkbox"/> <input type="checkbox"/> 13 <input type="checkbox"/> <input type="checkbox"/> 15 <input type="checkbox"/> <input type="checkbox"/> </div> <div style="text-align: center; margin-top: 10px;"> Place Jumpers Across Pins As Illustrated </div>	JP9-1	Trouble Log	Enables Trouble Log display	Disables Trouble Log display
	JP9-3	ILOC function	Disables function	Enables function
	JP9-5	Not Used		
	JP9-7	Selects 50A or 60A logic	Enables 60A logic: Allows 2 jet pumps and the heater to operate at the same time	Enables 50A logic: Forces the heater to turn off when more than 1 jet pump is running.
	JP9-9	Selects jet pump 2 and 3 logic	Enables pump 2 on 6600-180 board Enables pump 3 on 6600-398 board	Disables pump 2 on 6600-180 board Disables pump 3 on 6600-398 board
	JP9-11 (See Note2)	Selects 40A Logic	Enables 40A logic: Forces Heater to turn off if any jets pump is running in high speed.	Disables 40A Logic
	JP9-13	Selects blower and pump logic (used for export models only)	2.0 Sundance Logic Only Allows only one jets pump and the blower to operate at the same time.	Allows blower, jets pump 1 and jets pump 2 to operate at the same time.
	JP9-15	Software Reset	Recalls all factory settings (Install momentarily then remove)	The jumper must remain off during normal operation.

Note2: This jumper has priority over JP9-7 when installed.