



Technical Support Hotline: 888-756-2699

Troubleshooting Guide

Problem

Solution

Single LED is off or out of sync with the other LEDs.

Most likely a cable problem;
1.) Find problem LED and the attached cable.
2.) Unplug cable and replace with new cable.

Many LEDs are off or out of sync.

Most likely a connector issue.
1.) Find first cable in daisy chain where cables are having a problem.
2.) Inspect connectors where problem occurred.
3.) Disconnect and reconnect connector where problem occurred.
4.) Replace cable where problem occurred if necessary.

None of the LEDs turn on.

Most likely the power going into the LED controller.
1.) Check fuse located on the red wire of the LED control box.
2.) Check the 12 VAC going into the controller from the spa pack.
3.) If the stereo power supply is used to power the LED control box then check the 12 V DC from the stereo power supply.

All LEDs turn on but one color doesn't light.

Most likely a shorted cable.
1.) Disconnect the cables one at a time starting at the open end of the daisy chain.
2.) Check LEDs after disconnecting each cable. If LEDs start to work properly then the last cable removed is the bad cable. Replace this cable.

Controller Software Functions

The LED controller has multiple functions which can be selected through the following sequence via the on-off button on the top-side control.

- | | | | |
|--|------------|---|---------------------|
| 1.) Color wheel - slowly changes from one color to the next. | 4.) Purple | 7.) Green | 10.) Strobe - White |
| 2.) White (music modulated when equipped) | 5.) Blue | 8.) Red | |
| 3.) Turquoise | 6.) Orange | 9.) Flashing through the above color sequence | |

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Contact SloanLED for Additional Information and Product Updates

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Spa Lighting Tech Guide

LiquaLED Bullet Modules and Cable Sets

Item Description	Quad-LED Cable Set	Dual-LED Cable Set	Single-LED Cable Set
Part Number	701564-4-DL	701564-2-DL	701564-1-DL
# Modules (Individual Points of Light)	4	2	1
Typical Maximum Current	80 mA	40 mA	50 mA
Cable Length (connector-to-connector)	48 inch	48 inch	48 inch

LiquaLED Cluster Main Lights

Item Description	21-LED Cluster	14-LED Cluster	7-LED Cluster
Part Number	701570-21-DL	701570-14-DL	701570-7-DL
LEDs per Cluster	21	14	7
Typical Max Current	240 mA	160 mA	80 mA
Diameter of PCB	2.9"	2.4"	1.6"
Fits Lens Size (Approx)	~ 5.0"	~ 3.5"	~ 2.0"
Cable Length	36"	36"	36"

LiquaLED Controllers

Item Description	Control 100	Control 40
Part Number	701712	701678
Max Number of LEDs (Not including clusters)	100	40
Required Voltage	12 V DC External Supply	12 V AC from Spa Pack
Typical Max Current	2 Amps	1 Amp
Typical Max Power	24 Watts	12 Watts
Controller Dimensions	5.5"W X 3.5"H X 1.5"D	4.4"W X 2.4"H X 1.1"D
On/Off Control	Spa pack light on/off switch on top-side control panel	
Aux Control for Accessory Plug-Ins	Yes	Yes

Spa Pack Connector Adaptors

Part Number	410120	410119
Connects LiquaLED Controllers to:	3-Prong MTA Connector	¼" QC Terminal

LiquaLED Music Modulator

Item Description	LiquaLED Music Modulator
Part Number	701690
Controller	
Dimensions	4.4"W X 2.4"H X 1.1"D

Jumpers

Item Description	2' Jumper	5' Jumper
Part Number	410117-24	410117-60
Cable Length (connector-to-connector)	24 inch	60 inch

Perimeter and Skirt Lights

18" Standard Perimeter String, 1 modules each	701755-1-9
6' Standard Perimeter String with Track, 4 modules, 18" on center	701755-T4-18
6' Premium Perimeter String, 4 modules, 18" on center (High-Brightness Modules with Integrated RGB)	701755-M4-18
Skirt Light	701787

UltraBRITE LED Light

12-LED UltraBRITE Cluster	701739-S
UltraBRITE Expansion Cable	410121

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Spa Lighting Products



09/1/06