

LIGHT PACK™

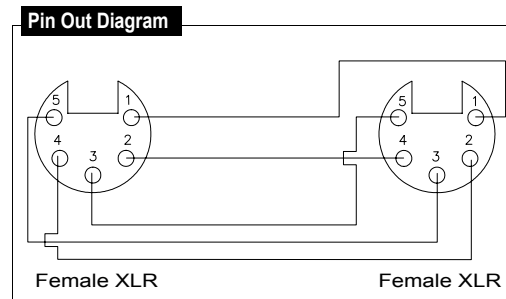
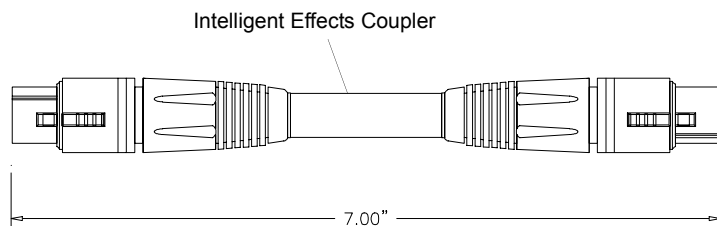
Intelligent Effects Network User Guide



This document explains how to set up and use the **Light Pack™ Intelligent Effects Network** and what components are needed to connect multiple Light Pack Dimming Modules to the network.

Light Pack™ Intelligent Effects Coupler

The Light Pack™ Intelligent Effects Coupler (Strand Lighting Catalog #71347) makes it possible for a single Light Pack IGBT Dimming Module to drive/control up to 64 additional Light Pack modules. The Light Pack Intelligent Effects Coupler is a cross-over cable that takes the Intelligent Effects Signal from the first Light Pack module and outputs the signal to the other Light Pack modules on the network.

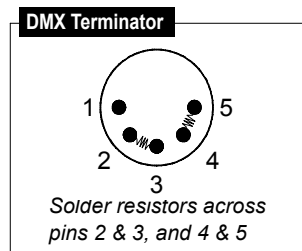


Termination Connector

A XLR termination connector is required at the first and last Light Pack module to prevent signal reflections. Signal reflections may cancel out the signal at certain line lengths, resulting in errors. To construct your own connector, you will need the following components:

- 5-pin, male XLR connector.
- Two 1/4W 5% 120 ohm resistors.

NOTE: A male termination connector (Strand Lighting Catalog #71346) is available as an accessory from Strand Lighting. Contact your Authorized Strand Lighting Dealer or Strand Lighting Customer Service at 1-800-733-0564 for more details.

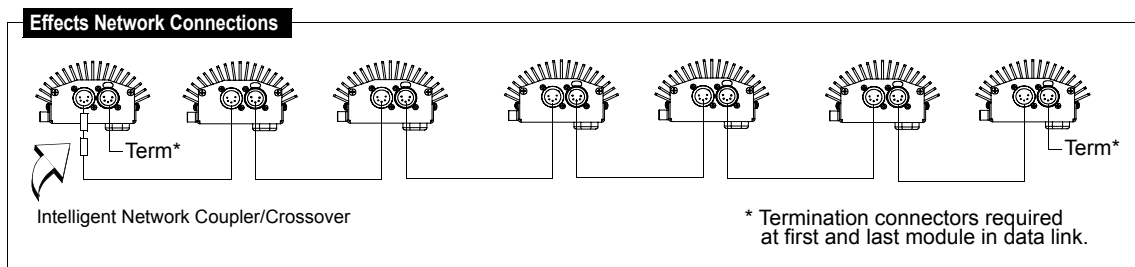


Intelligent Effects Network Set Up

Effects can be synchronized across a network of Light Pack modules to create chase, runway and wave sequences. For this purpose, eight unique phase shifts are output from the first module in the data link, transmitting on DMX512 addresses 002-008. To utilize this feature, an Intelligent Effects Network Coupler is required at the first module in the link.

To create effects using the Intelligent Effects Network, do the following:

- Step 1. Using data cables, connect Light Pack modules as shown below. At first module data input, install the Intelligent Effects Network Coupler. At first and last module, install termination connector.



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Step 2. The first Light Pack™ module's address (slot) will automatically be considered as 001. Set subsequent module addresses to any number between 002 and 008. These can be in numerical order or out of sequence. The address setting will determine the delay and execution order of the effect at that particular module. Refer to the **Light Pack Installation and Operations Guide** that came with your Light Pack Dimming Module for instructions on setting the address.

Effects Network Addressing

Intelligent Effects Network - Up to 64 Light Pack Modules									
Example Address Settings	001	002	003	004	005	006	007	008 ...	To the next multiple of eight units
	001	008	002	007	003	006	004	005 ...	
	001	003	005	007	002	004	006	008 ...	

Step 3. At first module, using rotary dials, set to desired effect (7XX). When set to 7XX, the rotary DIP switch settings can be used to create simple effects without DMX512 control. Refer to the **Light Pack Installation and Operations Guide** that came with your Light Pack Dimming Module for instructions on setting effects. Effect parameters can be set as follows:

Dial Settings	Effect	Description
70X - where X is ramp time	Bounce Up	Ramp up, instant off (100% intensity)
71X - where X is ramp time	Bounce Down	Instant on, ramp down (100% intensity)
72X - where X is ramp time	Saw Tooth	Ramps up, ramps down
73X - where X is toggle time	Bump	50% on/off toggle
74X - where X is time off	Blink On	12% on, 88% off
75X - where X is time on	Blink Off	12% off, 88% on
76X - where X is speed	Strobe	Variable speed strobe
77X - where X is lamp intensity	Flame Flicker	Random flicker and intensity
78X - where X is rate	Bell Curve	Ramps up, holds, ramps down
79X	<i>For future use</i>	<i>N/A</i>

Step 4. Apply power. Effect will execute across network.

Step 5. Adjust address settings to vary effect execution as required.

3 YEAR LIMITED WARRANTY

Strand Lighting warrants that this product will be free from defects in workmanship or materials. This warranty is void on any electronic controls which have been overloaded, abused, improperly installed or altered in any manner.

Strand Lighting's sole obligation will be at its option to repair or replace any electronic controls product proven defective if it is returned, postage prepaid, to Strand Lighting, 6603 Darin Way, Cypress, CA 90630. Strand Lighting will not pay for any charge-back or charge for labor or material that does not have its prior written approval.

This warranty shall be in lieu of any other warranty, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. Some states do not allow limitations on how long an implied warranty lasts and do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Exchange of products covered by warranty should be handled through your original supply source.

Light Pack™ IGBT Dimming Module Intelligent Effects Network User Guide | Document Number: 2-450192-010 | Version as of December 01, 2006
Light Pack™ is a trademark of of Strand Lighting, Inc.

This product may be covered by one or more of the following U.S. Patents: #4,413,211; 4,430,576; 4,465,956; 4,733,138; 4,792,731; 4,880,950; 4,988,840; 4,992,709; 5,004,969; 5,128,654; 5,153,816; 5,189,259; 5,194,858; 5,239,255; 5,371,439; 5,371,444; 5,636,111; 5,642,104; 5,646,490; Des. 307,578; Des. 333,124; License 4,482,844 and corresponding foreign patents. Other Utility, Design and Foreign Patents Pending.

We reserve the right to change details of design, materials and finish in any way that will not alter the installed appearance or reduce function performance.

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