

## e-Node/dmx<sup>™</sup> Quick Reference Installation Guide

The Converging Systems e-Node™/dmx is a network color computer enabling up to 32 DMX fixtures to be controlled from third-party automation and lighting systems. The built-in web Pilot application is used to set various setup and addressing parameters to map Converging Systems' Zone/Group/Node (**Z/G/N**) addresses to a specific DMX fixture types and fixture address (1-512) within a single DMX universe. For each set of 1-32 DMX Fixtures added to the system (up to 128 DMX addresses), just one e-Node/dmx is required. More fixtures or more DMX address require additional e-Node/dmx devices. For more information refer to full installation Manual for the e-Node/dmx refer to http://www.convergingsystems.com/lighting\_install\_library.php.



<u>e-Node/dmx to Network connections</u>. Interconnect the LAN (silver) port on your e-Node/dmx next to the 2-pin power connector to your network switch using standard CAT5 or better cabling. The maximum distance from the switch to the e-Node is 100m (328ff). The e-Node requires external power. A POE option is available optionally.

**Note**: The RJ-45 marked Port 1 or Port 2 is **not** the LAN port and should not be used here.

Optional WI-FI Adapter. See separate Quick Start Guide for information on this adapter.

**e-Node/dmx power connection.** Connect the e-Node/dmx to an available DC power source (12v-24vdc 90 ma) using two-conductor cabling (22 awg or larger). Pay attention to the polarity markings on the e-Node. If you have obtained the optional e-Node DC power supply, simply plug in the supplied two-pin connector into the e-Node. With the optional POE daughtercard, no external power adapter is required.

Step 2 e-Node/dmx – DMX Fixture Connectivity



**DMX Fixture wiring.** Port **1 or 2** on the e-Node/dmx is used for data connection to the first DMX fixtures. Additional fixtures should be daisy-chained to the first fixture (max 32 fixtures on chain). Consult the table below for creating your own RJ-45 to DMX Fixture cable (cable not supplied).



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Pin 3	RJ-45 Pin 1	RJ-45 Pin <b>2</b>
Pin 2	RJ-45 Pin 2	RJ-45 Pin 1
Pin 1	RJ-45 Pin 7	RJ-45 Pin 7
N/C	*Std wiring	N/C
	Pin 3 Pin 2 Pin 1 N/C	Pin 3 RJ-45 Pin 1   Pin 2 RJ-45 Pin 2   Pin 1 RJ-45 Pin 7   N/C *Std wiring







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## Each CSI product, except as otherwise provided herein, will be free from defects in materials and workmanship for a period of one (1) year from the date of delivery to the end-user.

## ILLUMINAIRE WARRANTY

Each CSI FLLA luminaire product will be free from defects in materials and workmanship for a period of three (3) years from the date of delivery to the enduser including coverage of the following performance criteria:

- LED Light Output will be maintained above 50% of initial output
- Tri-colored (RGB) output will consist of all three color components (red, green, and blue)
- Quad-channel (RGBW) output will consist of three color components (red, green, and blue) and white.
- Monochrome output will consist of a single color output (white)

Additional Terms and Conditions and exclusions are available on the Converging Systems website

Note: e-Node/dmx are equipped with dual functionality—standard DMX compatibility as well as CS-Bus compatibility (for ILC-x00 and FLLA LED applications). To reboot into CS-BUS mode, depress Discovery button behind removable plastic shroud next to 2-pin power connector and hold until on-board LED on e-Node flashes the **second** time and release. To reconfigure into DMX mode, hold down Discovery button for **three** flashes and then release. (Programming within each mode will be lost when transitioning to the alternative mode.)