

# Light-O-Rama



ShowTime

Cosmic Color PixieLink

Streaming-ACN Interface to Pixies

[www.lightorama.com](http://www.lightorama.com)

- One 10/100Mbps Ethernet interface
- Six PixieLink Ports (Async RS485)
- Each PixieLink Port has a guaranteed bandwidth of 16 170-pixel DMX universes being refreshed 44 times a second
- Standard E1.31 or Art-Net converted to PixieLink protocol, DMX, or Enhanced LOR. Works with non-LOR software.
- Processes broadcast messages and messages targeted to the PixieLink Adapter's specific IP address
- Maps an E1.31 universe to a pixel port on a Pixie. I.e. a universe is a pixel string
- Universe numbers may be reused on the PixieLink device if Pixie pixel strings are to perform the same effects
- DHCP or fixed IPV4 address
- Selectable host/NetBIOS name
- Configured using a web browser
- Maintains a variety of statistics that may be viewed on the home page
- Will compress an E1.31 universe into Enhanced LOR commands at all LOR network speeds for use with non-Pixie controllers
- Will convert an E1.31 universe to a DMX universe
- Port protocol is individually selectable (DMX, Enhanced LOR, or PixieLink)
- Built in test pattern generator to check outputs without network data



Two PixieLink Adapters showing front and back

The Light-O-Rama (LOR) PixieLink adapter converts standard Ethernet E1.31 (Streaming ACN) and/or Art-Net into six RS485 output networks. The six output ports can be configured as DMX universes, Enhanced LOR networks, or PixieLink protocol networks. The protocol of an output port (DMX, ELOR, or PixieLink) is individually configurable.

Users creating their shows with any software capable of outputting SACN or Art-Net can use any LOR G3 controller.

You can begin using pixels with inexpensive Pixie controllers, which operate on LOR networks, so no Ethernet LAN is required. If your show grows to a point where the data bandwidth of Ethernet becomes a requirement, you don't lose your investment in Pixies; you can move them to a PixieLink Adapter.

PixieLink is a high-speed protocol supported by Pixie controllers with firmware 1.05 or greater. PixieLink protocol has a guaranteed bandwidth per output port of 16 full (512 intensities) DMX universes being refreshed 44 times per second.

The PixieLink adapter provides Ethernet users with a simple, less expensive method of creating self-contained pixel props. You could make a small prop with one Pixie2 controller and put 8 of these props on one PixieLink port. On the other end, you could create larger props with Pixie16 controllers. Or, a mix of Pixies.

A prop being self-contained means simpler wiring. No need for downstream pixel power injection or null pixels often used to get value from larger LAN based pixel controllers. The ability to daisy-chain controllers eliminates the need for large numbers of LAN ports. One PixieLink adapter can support 24 4-string props.

## Specifications

Configuration	One 10/100 LAN Port Six RS485 Output Ports
Voltage	9-15vdc
Operating Temp	-40° F to 140° F
Controller dimensions	5"L x 4 1/4"W x 1"H (circuit board size)

Imagine it, then do it

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