

DOUG FLEENOR DESIGN

Four port DMX/Ethernet interface

model: NODE4
technical data sheet



The NODE4 is an Ethernet to DMX interface. It accepts E1.31 sACN, draft sACN, Art-Net, Strand ShowNet, and KiNET. There are four fully isolated DMX ports. Each port can be configured as either an input or as an output. All of the data connectors can be mounted on either the front or rear panel. Their location can be changed in the field to accommodate fixed or touring installations.

The factory default configuration covers most applications. An easy to use control panel gives access to all network settings if a change is needed. The back lit 2 line by 20 character LCD and LED indicators give quick status feedback.

Configuration is a breeze, just choose what you want to setup by selecting the port or network adapter via the "SELECT" keys. Use the arrow keys to find the option you want to change hit "ENTER" use the arrows to change the value and "ENTER" again to save. You can use "BACK" at any time to disregard changes and return to the above menu.

The NODE4 features a universal input power supply and a rugged enclosure. An optional rack mounting kit is available (model RK16-1). Holes are provided for easy truss mounting using a C- clamp or half-coupler.

PORT SPECIFICATIONS

Port circuit: EIA-485 transceiver with 120 ohm fail safe termination between +Data and -Data

NOTE: This product uses a slew-rate-limited output drivers. Slew-rate-limited drivers minimize EMI and reduce reflections caused by improperly terminated cables.

Input signal: 0.2 volts minimum, 12 volts maximum

Output signal: 1.5 volts (minimum) into 120 Ohm Termination

Connectors: Gold plated 5 pin XLR (typically four female connectors, male on request)

Port protection: +60V continuous, +15KV transient

Isolation: 600 volts

ETHERNET SPECIFICATIONS

Ethernet Circuit:	100BASE-TX Fast Ethernet, Auto detects if crossover or regular cable is used, and speed negotiation up to 100Mbits.
Connector:	Neutrik Ethercon
Isolation:	1500 Volts
Network Protocols:	E1.31 sACN, draft sACN, Art-Net, Strand ShowNet, KiNET

MAIN SPECIFICATIONS

Power input:	6W, 100 to 240 VAC 50/60 Hz
Color:	Top, bottom, and sides: Silver hammertone Front and back: Black
Size and weight:	1.7"H x 10.375"D x 16.5"W, 6 pounds

Limited Manufacturer's Warranty

Products manufactured by Doug Fleenor Design (DFD) carry a five-year parts and labor warranty against manufacturing defects. It is the customer's responsibility to return the product to DFD at the customer's expense. If covered under warranty, DFD will repair the unit and pay for return ground shipping. If a trip is necessary to the customer's site to solve a problem, the expenses of the trip must be paid by the customer.

This warranty covers manufacturing defects. It does not cover damage due to abuse, misuse, negligence, accident, alteration, or repair by other than by Doug Fleenor Design.

Most non-warranty repairs are made for a fixed \$50.00 fee, plus shipping.

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