

DOUG FLEENOR DESIGN

Two port DMX512/Ethernet interface

model: NODE2
technical data sheet



NODE2 is an Ethernet to DMX interface. The two DMX512 ports can be configured as inputs, outputs, or one of each. The standard unit is provided with two female DMX output connectors.

Each port has an associated two-digit display with up/down buttons to select the DMX universe (1 thru 99) for that port. To prevent accidental or unauthorized changing of a port's universe, the up/down buttons are locked out whenever a cable plug is connected. Universe assignments may also be locked at time of installation (jumper selectable). This is especially useful when a DMX input port's assigned universe is not to be changed.

NODE2 can also be configured using a web browser. When ports are assigned universe numbers above 99, the local buttons are locked out and the display shows - -.

NODE2 mounts in a two-gang electrical box. It is powered by Power Over Ethernet (PoE) which provides both data and power for the interface using a single category 5 (or higher) cable. The default protocol is sACN, but Art-Net, ShowNet, and KiNET are also supported.

SPECIFICATIONS: All specifications meet or exceed DMX512 and IEEE 802.3 (Ethernet) requirements.

DMX512 circuit:	Protected EIA-485 transceiver (LT1785)
DMX512 protection:	Undamaged by up to 60 Volts continuous, 15,000 Volt transients
DMX512 connectors:	Gold plated 5 pin XLR (Neutrik D-1 series)
Ethernet:	100BASE-TX Fast Ethernet, MDIX, and Auto Negotiation
Ethernet connector:	8P8C modular connector (RJ45) on rear of unit
Isolation:	All three ports (two DMX and one Ethernet) are electrically isolated to 1,000 Volts
Power input:	Power Over Ethernet (PoE), 802.11af, 3 Watts
Displays:	Two green 7 segment readouts which extinguish after 10 seconds of inactivity
User controls:	Four universe selection buttons, UP and DOWN for each port
Color:	Black anodized machined aluminum
Size and weight:	4.5"H × 2.25"D × 4.6"W, 0.75 pounds A 2 gang electrical box with a minimum depth of 2.25" is required for mounting

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DOUG FLEENOR DESIGN

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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