

DOUG FLEENOR DESIGN

Sixteen Output Ethernet to DMX Interface

model: NODE16
technical data sheet



The NODE16 is a portable or rack mounted Ethernet to DMX bridging device. It accepts Artistic License's Art-Net or Streaming ACN (ANSI E1.31) protocols. There are sixteen DMX512 outputs, and each of the outputs are isolated from the Ethernet input and all other outputs. The Ethernet input connection is made via an Ethercon RJ45 connector, and the DMX512 output connections are made via 5-pin female XLRs. The NODE16 is powered by 100-240 VAC. NODE configuration takes place with a backlit graphical LCD and an encoder wheel.

DMX PORT SPECIFICATIONS

Port circuit: Protected EIA-485 receiver (LT1785)

NOTE: This product uses slew-rate-limited output drivers. Slew-rate-limited drivers minimize EMI and reduce reflections.

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

Connectors: 16 5-pin female XLRs on rear panel

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

Isolation: Optically isolated to 1,500 Volts from the input. Fully isolated DMX outputs.

ETHERNET SPECIFICATIONS

Input circuit: 802.3 Ethernet compliant input (LAN8720)

Input signal: Art-Net or sACN (ANSI E1.31) Ethernet protocols

Input connector: Ethercon RJ-45 on front panel

MDIX: Auto-negotiated

Doug Fleenor Design, Inc.

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MAIN SPECIFICATIONS

Power input:	100-240 VAC, 30W
Indicators:	1 Red POWER indicator 1 Green Ethernet link indicator 1 Yellow Ethernet activity indicator 16 Green MIMIC 1 indicators mimic the level of the first channel on each output (useful in troubleshooting) 16 Green SIGNAL indicators illuminate when DMX output signal is present on each port
Configuration:	Backlit graphical LCD and an encoder wheel.
Environmental:	0-40 °C (32-104 °F); 10-90% humidity, non-condensing
Cooling:	Convection cooling, no fan required
Color:	Top, bottom and sides: Silver hammer tone Front and back: Black
Size and weight:	1.7"H × 6.5"D × 16.5"W, 6.5 pounds (optional RK16-1 rack kit)

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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