

## Distributed DMX512 Isolated Output Wall Plate

model: DFDNET  
technical data sheet



DFDNET is a buffered, optically isolated, DMX output wall plate, sized to fit a standard North American single gang electrical box. Machined from solid aluminum, the plate comes standard as black anodized with silver nomenclature. Custom colors are available on request.

DFDNET's circuitry requires a source of power. Since the power supply (not included) is typically located some distance from the wall plate, voltage loss must be accounted for. The maximum cable length PER WALL PLATE is given below. For two wall plates divide the length by two, for three wall plates divide by three, etc.

Voltage	16 gauge wire	22 gauge wire
12	2000 feet*	500 feet*
15	5000 feet*	1250 feet*
18	8000 feet*	2000 feet*
24	14000 feet*	3500 feet*

\* Divided by number of wall plates



If you would like assistance in your application, please give us a call. We like to talk with our customers.

**SPECIFICATIONS:** All specifications meet or exceed DMX512 requirements

Input circuit:	One unit load EIA-485 receiver (MAX483)
Input signal:	0.2 Volts minimum, DMX512, DMX512/1990, or DMX512-A
Input connectors:	Two 3 position screw terminal blocks (In and Thru); an unused Thru must be terminated
Output circuit:	Slew rate limited EIA-485 transmitter (MAX483)
Output signal:	2.5 Volts minimum, 5.0 Volts maximum (differential) into 120 Ohm load
Output connector:	Gold plated 5 pin female XLR (Neutrik D-1 series), 3 pin optional
Isolation:	1000 Volts input to output
Power connectors:	Two 2 position screw terminal blocks (In and Thru)
Power requirement:	9 to 24 Volts DC, 125 mA
Color:	Black anodized on grained surface with silver nomenclature
Size and weight:	4.5"H x 1.8"D x 2.75"W, 5 ounces (1.375" depth required in electrical box)

### Doug Fleenor Design, Inc.

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## 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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