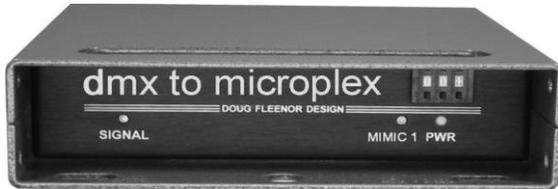


DMX512 to NSI Microplex

model: DMX2MPX
technical data sheet



The DMX to Microplex interface is capable of converting DMX512 to NSI, Leprecon or Lightronics versions of Microplex. Since each of these manufactures uses unique timings the DMX to Microplex interface provides jumpers to configure the Microplex output.

DMX512 input is received via 5-pin male XLR connector. Microplex output is via a 3 pin female XLR connector. A "pass-thru" 5-pin female XLR is also provided for the DMX signal. LED indicators display DMX input signal, power and a Mimic of Microplex channel 1. A three digit thumbwheel switch is provided to set the starting address as well as access single channel diagnostic mode (601-728).

SPECIFICATIONS:

Input signal: 250 Kilobaud, 0.2 volts minimum, 12 volts maximum

Input circuit: ESD protected EIA-485 transceiver (LT1785)

Input connector: Gold plated 5 pin male (Neutrik D-1 series)

Input pass through: Gold plated 5 pin female (Neutrik D-1 series)
All five pins are passed through

| Option jumpers: | INSTALLED | REMOVED |
|-----------------|--|----------------------------|
| JP1 | DMX times out in 1 second (Default) | Hold last look |
| JP2 | 64 Channel Output (Default) | 128 Channel Output |
| JP3 | Fast Output (Default) | Slow Output |
| JP4 | Enable MPX (Default) | Disable MPX |
| JP5 | Do not install | |
| JP6 | Low current output driver (Default) | High current output driver |
| JP7 | High current output driver | Low current output driver |

Note:

- Install a jumper in either JP6 or JP7. Installing a jumper in both positions simultaneously will damage the output circuits.
- Be sure to disconnect the unit's power before changing any jumper settings.

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DOUG FLEENOR DESIGN

SPECIFICATIONS: (Continued)

| | | |
|----------------------|--|-----------------|
| Output signal: | FAST | SLOW |
| 64 Channel | 70 Hertz | 37 Hertz |
| 128 Channel | 38 Hertz Output | 20 Hertz Output |
| Output circuit: | Hi-speed operational amplifier (LF347) (low current mode) Push – Pull transistors (2N3904 & 2N3906) (high current mode) | |
| Output connector(s): | Gold plated 3 pin female (Neutrik D-1 series) | |
| Output Pinout: | Pin 1 Common Pin 2 N/C Pin 3 signal | |
| Power input: | 100 - 120 volts, 50/60 hertz, 12 watts (208 - 240 volt optional) | |
| Color: | Top, bottom and sides: Silver hammer tone Front and back: Black | |
| Size and weight: | 1.7"H x 6.5"D x 6.5"W, 2.7 pounds (19" rack adapter available) | |

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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