

Fully Isolated Bi-Directional DMX Hub

model: BIDI8

technical data sheet



The DMX Hub offers isolation and signal buffering for bi-directional communication on a single pair of wires using pins 2 and 3 of a traditional DMX512 data link. The hub differs from an opto-splitter in that any of the eight ports can receive data, with the seven remaining ports re-transmitting that data. Each of the eight ports offers fully bi-directional optical isolation, fault protection to $\pm 60V$, and transient protection to $\pm 15KV$. The DMX hub is protocol independent, and currently supports equipment from High End Systems.

Other features include a universal power supply, optional terminal block connectors, gold plated XLR connectors (Neutrik), and a rugged tabletop, truss, or rack mountable enclosure.

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 one male, seven female), Terminal Blocks Optional
- Port protection: $\pm 60V$ continuous, $\pm 15KV$ transient
- Isolation: 600 volts
- Power input: 100 to 240 VAC 50/60 Hz, 1/2 Amp
- Color: Front, Back: Black
 Top, Bottom, Sides: Silver Hammertone
- Size and weight: 6.5" deep, 1.7" high, 16.5" wide 4.5 pounds

MANUFACTURER MEMBER

ESTA



ENTERTAINMENT SERVICES & TECHNOLOGY ASSOCIATION

Doug Fleenor Design, Inc.

396 Corbett Canyon Road
 Arroyo Grande, CA 93420
 (805) 481-9599 voice and FAX
 (888) 4-DMX512 toll free (888) 436-9512
 web site: <http://www.dfd.com>
 e-mail: info@dfd.com