

DMX DECELERATOR II

model: DMX DECELERATOR II
technical data sheet



The *DMX DECELERATOR II* is a DMX512 isolator and re-timing device. It can receive any signal within the DMX512 specification and it can accept some signals outside of the specification. It produces a DMX output signal with “relaxed” timing characteristics which are required by some DMX receiving devices. In addition, a BYPASS mode is provided. When this mode is selected, the *DMX DECELERATOR II* copies the timing from the input signal to the isolated output directly with no changes. This can be useful for diagnosing problems with isolation versus timing.

The *DMX DECELERATOR II* is powered by a universal input supply. Its DMX512 input is fully opto-isolated and protected against transient voltages.

SPECIFICATIONS:

- Model: DMX DECELERATOR II - DMX re-timing device
- Input power: 100 - 240 VAC, 50 - 60Hz, 0.5A
- Environmental: Operating temperature: 0-40° C (32-104° F), 10-90% humidity, non-condensing, indoor use only.
- Input signal: DMX512, DMX512/1990, DMX512-A (250 Kb/s, 0.2 Volts min. 12 Volts max). Input is terminated.
- Input circuit: Transient protected EIA-485 transceiver (LT1785).
- Input protection: 15,000 Volt transient, \pm 60 Volt continuous.
- Input connector: Gold plated 5 pin male (Neutrik D-1 series).
- Input isolation: 600 Volts.
- Output signal: DMX512-A with variable timing characteristics.
- Output connector: Gold plated 5 pin female XLR (Neutrik D-1 series).
- Indicators: Green signal indicator, green MIMIC indicator (tracks the level of channel 1), 4 green output speed indicators, red power indicator.
- User controls: One recessed pushbutton switch used to select output timing characteristics or system bypass.
- Output timing: Below is a list of output settings and their corresponding timing characteristics.

Output setting	Break time	MAB time	Inter-byte time	Update rate
BYPASS	Copied from input	Copied from input	Copied from input	Copied from input
SLOW	272 μ s	120 μ s	52 μ s	20.5 Hz
MEDIUM	220 μ s	86 μ s	16 μ s	30.3 Hz
FAST	200 μ s	36 μ s	4 μ s	40.1 Hz

Color: Black with laser engraved nomenclature

Size and weight: Chassis: 1.8"H x 5.3"D x 3.2"W, 12 ounces. Power supply: 1.0"H x 2.2"D x 1.9"W, 5 ounces.

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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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