

DMX Decelerator

model: DMX DECELERATOR

technical data sheet



The *DMX DECELERATOR* 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.

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

SPECIFICATIONS: Model DMX DECELERATOR - DMX re-timing device

- Input power: 90V - 260VAC, 50/60 Hz. 5 Watts.
- Environmental: Operating temperature: 0-40⁰ C, 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, ± 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), red power indicator.
- User controls: One slide switch used to select slow or fast output timing characteristics.
- Output timing : Below is a list of switch settings and their corresponding timing characteristics.

Switch setting	Break time	MAB time	Inter-byte time	Update rate
SLOW	284 µs	116 µs	52 µs	20 Hz
FAST	202 µs	36 µs	4 µs	40 Hz

- Color: Black with laser engraved nomenclature
- Size and weight: Chassis: 5.3" d X 3.2" w X 1.8" h, 12 ounces, Power supply: 2.2" l X 1.9" w X 1.0" h, 5 ounces

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