

DOUG FLEENOR DESIGN

Seven output DMX/RDM isolated splitter

model: 127-3, 127-5, 127-RJ, 127-TB
technical data sheet



The model 127 is a bi-directional DMX512/RDM splitter. It is available with 3 pin (model 127-3) or 5 pin (model 127-5) XLR connectors, RJ45 connectors (model 127-RJ) or terminal block connectors (model 127-TB). Each of the eight ports is fully

isolated, and bi-directional with optical isolation, fault protection to $\pm 60V$, and transient protection to $\pm 15KV$. The unit has a universal voltage power supply and uses slew-rate-limited output drivers. Slew-rate-limited drivers minimize EMI and reduce reflections caused by improperly terminated cables.

SPECIFICATIONS:	All specifications meet or exceed DMX512 requirements.
Input circuit:	EIA-485 transceiver with 120 ohm fail safe termination between +Data and -Data
Input protection:	Undamaged by up to ± 60 Volts continuous, $\pm 15KV$ transients.
Input signal:	DMX512, DMX512/1990, DMX512-A, or RDM. 0.2 volts minimum, 12 volts maximum
Signal connectors:	Gold plated 5 pin Neutrik D-1 Series (3 pin connectors, terminal blocks, or RJ45 optional)
Termination:	Input and all outputs are terminated per RDM specifications.
Power input:	100 to 240 VAC 50/60 Hz, $\frac{1}{2}$ Amp
Indicators:	Red LED for POWER. Green LED for presence of DMX512 or RDM.
Isolation:	All eight ports are electrically isolated from each other to 1000 Volts.
Color:	Front, Back: Black Top, Bottom, Sides: Silver Hammertone
Size and weight:	1.7"H x 6.5"D x 16.5"W, 4.5 pounds
Environmental:	0-40° C (32-104° F), 10-90% humidity, non-condensing
Mounting:	Capable of being installed in a standard rack with a rack kit (model RK16-1).

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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