

# DOUG FLEENOR DESIGN

## Four output DMX/RDM isolated splitter

models: 124-3, 124-5, 124-RJ, 124-TB  
technical data sheet



The 124 is an economical bi-directional DMX512/RDM splitter. It is available with 3 pin (model 124-3) or 5 pin (model 124-5) XLR connectors for all DMX512/RDM connections, as well as RJ45 connectors (model 124-RJ) and terminal block connectors (model 124-TB). These splitters have fully isolated inputs. The four outputs are separately driven, but are not isolated from one another.

The rugged chassis made from 0.1" thick aluminum is designed for portable use. A 1/2" hole is provided for truss or pipe mounting using a C-clamp or half coupler. Additional slots are provided for safety cables.

The power supply is permanently attached so it cannot be lost or separated from the splitter. It also has auto-switching universal voltage input selection allowing the splitter can be used around the world without changing any switches or jumpers.

Indicators are provided for power (red), and signal present (green).

**SPECIFICATIONS:** All specifications meet or exceed DMX512 requirements.

Input circuit: Protected EIA-485 receiver (LT1785).

Input protection: Undamaged by up to 60 Volts continuous, 15KV transients.

Input signal: DMX512, DMX512/1990, DMX512-A, or RDM.

Signal connectors: Gold plated 3 or 5 pin Neutrik 'A' XLR's (Phoenix terminal blocks or Neutrik RJ45 optional)

Termination: Input and all outputs are terminated per RDM specifications.

Power input: 100-240 VAC, 50-60 Hz., 0.5 Amps, auto-switching.

Indicators: Red LED for POWER. Green LED for presence of DMX512 or RDM.

Cooling: Convection cooling, no fan required.

Isolation: DMX512/RDM input is optically isolated to 1,500 Volts.

Color: Black. Laser engraved legends on top surface.

Size and weight: 1.6"H x 4.8"D x 5.5"W, 2 pounds

Environmental: 0-40 °C (32-104 °F), 10-90% humidity, non-condensing

Mounting: A 1/2" hole is provided for C-clamp or half coupler mounting.  
Two slots are provided for safety cables or other mounting techniques.

### Doug Fleenor Design, Inc.

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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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