



## DMX512 test box

model: Gizmo

technical data sheet

The Gizmo is a DMX512 test tool with features useful for lighting system setup, testing, troubleshooting, and commissioning. With the Gizmo you can transmit, receive, save, playback scenes and perform a variety of data and cable tests. It is housed in a rugged chassis made of 0.1" thick aluminum. A fitted carrying case and wall transformer/battery charger are included with each Gizmo. Direct channel access while sending or receiving DMX512 signals is possible through the use of the numeric keypad. The display is a back lit 16 character by 2 line LCD. The Gizmo has a fully opto-isolated DMX512 input. The DMX512 output can function as an isolated pass-thru which also re-times the signal.

- **Transmit Up to 512 Channels of DMX512** - Select individual channels using the channel check mode, or select groups of channels using the AND and THRU buttons. Adjust levels with the Up/Down arrows, or press the AT key followed by the level to set a specific value. Press CLEAR to deselect channels leaving levels unchanged. Use the GIZMO as a stand-alone console for all your DMX emergencies. Even change the start codes if desired.
- **Receive DMX512** - Receive and display data in several formats. The operator can view all 512 channel levels, selected levels, non-zero channels, the refresh rate, number of channels transmitted, received start codes, flicker, and pass through mode for troubleshooting problems.
- **Save and Recall 100 Scenes** - Save and restore snapshots of DMX512 levels. The GIZMO can save and recall up to 100 scenes of either the currently received DMX levels or transmitted data.
- **Continuity, Pin Correctness and Data Reliability** - Tests check cables for shorts, open connections, and data reliability.
- **LCD Display** - Two line back light display, visible in the dark or direct sunlight with the low power back light display.
- **9 Volt Battery or AC Power Operation** - Uses a typical 9 volt battery or included A/C (wall mount) supply.
- **Durable Metal Housing** - The .10" aluminum enclosure can withstand on the road travel
- **Padded Carry Case Included** - Manufactured by REELINE features a layer of closed cell foam to protect against moisture.
- **25 Button Key pad** - Full keypad with CLEAR, ENTER, ALL, AND, THRU and TOP buttons.
- **Five Year Warranty** - We want you to know it works great.

### 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](mailto:info@dfd.com)

## Specifications

Input baud rate:	250 Kb/s
Input circuit:	ESD protected EIA-485 transceiver (LT1785)
Input signal:	3 volts minimum, 12 volts maximum
Input connector:	Male Gold plated 5 pin XLR (Neutrik D-1 series). Pin 1 = common, Pin 2 = Data-, Pin 3 = Data+. Cable check on pin 4 and pin 5
Output isolation:	600 Volts
Output baud rate:	250 Kb/s
Output circuit:	ESD protected EIA-485 transceiver (LT1785)
Output signal:	DMX512-A
Output connector:	Female Gold plated 5 pin XLR (Neutrik D-1 series). Pin 1 = common, Pin 2 = Data-, Pin 3 = Data+ Cable check on pin 4 and pin 5
User interface:	25 button keypad and two line 16 character backlit LCD display
Battery:	Provided with 9 Volt NiMH rechargeable or User provided 9 Volt Alkaline (see "Notes On The Battery")
Wall power supply:	Input: 100 - 240VAC 0.5A Max. 50/60 Hz Output: +15V DC 0.666A Connector: 2.5mm type with the center conductor as positive
Power input:	15VDC 0.075A Connector: 2.5mm type with the center conductor as positive
Color:	Front black anodized, rear red clear powder coat
Size and weight:	Chassis                    6.75"l X 3.5"w X 1.4"h, 16 ounces Power supply            2.2"l X 1.9"w X 1.0"h, 5 ounces

## Warranty

Products manufactured by Doug Fleenor Design carry a five year parts and labor warranty against manufacturing defects. The Gizmo battery is not covered by this warranty. It is the customer's responsibility to return the product to Doug Fleenor Design (at the customer's expense). Doug Fleenor Design will repair the unit and return it to the customer (at Doug Fleenor Design's expense). 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. Note that this warranty is against Manufacturing Defects. It does not include damage due to misuse or abuse. Most non-warranty repairs are made for a fixed \$30.00 fee.