

DMXter 4 RDM

GODDARD DESIGN

Data Sheet



Features

- Physical layer support for DMX512A & RDM
- Simultaneous send and receive
- Isolated USB port for external data
- Software updates via USB download
- Uses PC for extended output display

Latest Software

V4.20 - View the release notes on our site

The DMXter4 RDM provides expanded DMX testing along with support for RDM testing and configuration. (Who else would you trust to support RDM?)

The DMXter4 is simple to use. Eight buttons run its menu-driven software. The DMXter4 uses a back lit 40-character display. Some functions can output to a PC using the USB port. Software updates are done via the USB port. The unit comes in a rugged water-resistant case, tough enough to ride in your tool kit or cable hamper. The DMXter4 should be easily used by anyone who has used a Lil'DMXter; however you will see and feel many subtle (and some not so subtle!) improvements.

RDM Support

All DMXter4 RDM units discover, query status, perform device configuration, and test RDM responders. The software now supports 67 E1.20 PIDs. The list is posted on our website.

Designers and evaluators of RDM equipment will want our optional Advanced RDM controller software. See the DMXter4 RDM software page for the latest details on standard and Advanced packages. RDM monitor (sniffer) software is an optional part of the software.

Transmit

The DMXter4 supports nine different user controlled transmit modes. The major transmit parameters, or flavors, can be set over a wide range to allow simulation of almost all DMX controller timings. The DMXter4 supports all START Codes.

Receive

The DMXter4 maintains and expands our industry leading receive and analysis routines for DMX512. It measures more parameters to a higher precision than earlier DMXters. Slot levels are now displayed in either a numeric or graphic display format. The graphic interface allows 32 slots to be viewed at once.

Receive and Transmit at the same time

Our Intercept & Modify feature lets you work on any slot without interrupting the guy at the console programming the movers. With the DMXter4 RDM you can re-time any DMX data stream to one of three conservative flavors that even the pickiest color scroller will accept.

View Levels on your PC

If you are monitoring a system with your DMXter4 and even the Bar Graph display is a bit cramped you can now view 128 slots at once using your PC as an add on.

View Levels in 3 Number Formats

Slot levels and most other displays are available in three display formats - percent, decimal or hexadecimal. If you would like details on our binary to percentage conversion routines, they are posted on the Web.

Cable Tester

Testing a cable for electrical continuity is not the same as testing it for data transmission continuity. The DMXter4 tests cables using actual data.

Flicker Finder

Goddard Design pioneered Flicker Finder to verify system stability. If your lighting system is haunted, this is the routine that you need!

Multichannel Mode

Test multichannel devices with the Multichannel mode. Particularly helpful when working with multichannel devices (like moving lights), Multichannel mode lets you define a number of similar fixtures in a contiguous block.

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ShowSaver™ - ShowPlayer™

You have a handy source of back up data for your console with ShowSaver (built in) or ShowPlayer (optional). ShowPlayer is a simple show controller storing up to 277 cues you can trigger manually, externally or by time. See the ShowPlayer data sheets for details. Automatic switch-over on data failure is available with both routines. Both routines store all cue data in nonvolatile memory.

Receive Scope Trigger

All DMXters provide an output that may be used to sync an oscilloscope to the DMXter. Optionally you can use our hardware kit to sync an oscilloscope to any DMX512 data stream.

Power supply

The DMXter4 is still the only tester to operate or charge from the AC mains without an external supply. The DMXter4 has a computer controlled charger and battery management system. This allows better battery protection. As an option, the DMXter4 can be ordered with a world wide compatible supply that accepts 90 volts to 260 VAC without adjustment.

USB port

The DMXter4 supports USB connection to personal computers. This is used for software updates which can be installed in the field. It will be used to support more detailed data views than can easily be viewed on a 20 by 2 line display. It will also allow full alpha numeric entry when appropriate. The most up to date information on using the USB port is posted on our web site.

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