

DMXter4 RDM™

The New STANDARD DMX Tester

GODDARD DESIGN

The New Hardware



Micro-controller speed	-18 times faster
Data storage memory	-264 times larger
Physical layer support	- DMX512A & RDM
Simultaneous send / receive	- Yes
External data port	- Isolated USB port
Software update method	- Download via USB
External UI	- Uses PC for input and output
Software for RDM field and lab use under development.	
Free software updates for 1 year.	



For nearly 20 years the Lil'DMXter™ and the Lil'DMXter2™ have been the standard of DMX512 testing. The DMXter4 RDM™ takes the next step in protocol testing.

The DMXter4 is simple to use. Eight buttons run its menu-driven software. The DMXter4 uses a backlit 40-character display. Some functions can drive a PC using the USB port. Software updates 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. It is the only DMX tester that includes a built-in AC charger for its internal rechargeable battery. Slot levels and most other displays 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. The DMXter4 should be easily used by anyone who has used a Lil'DMXter; however you will see and feel many subtle improvements.

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.

The DMXter4 will support a growing set of Remote Device Management (E1.20 RDM) routines. See our RDM data sheet for details.



Standard Numeric Display

Receive

The DMXter4 continues 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. RDM analysis programs are under development.



Graphic Display of 32 Slots

Receive and Transmit

One major difference is that the DMXter4 can receive and transmit DMX simultaneously, allowing you to intercept and modify routines. DMX timing clean up routines are under development.



**Graphic Display of 16 Slots
with a numeric readout of
the first displayed slot**

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. DMXter4 provides two different ways to check DMX cables. One mode allows you to test cables when both ends are not available in the same place.

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. For details see our website.

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 on our website 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 DMX12 data stream.

New power supply design

The DMXter4 is still the only tester to operate or charge from the AC mains without an external supply. The DMXter4 has a new computer controlled charger and battery management system. This allows faster charging and better battery protection. The DMXter4 can operate from AC immediately, even with a discharged battery.

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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