

DMXter4A RDM™

The STANDARD DMX Tester

GODDARD DESIGN



The DMXter family of testers inaugurated the field of DMX testing. Both rugged enough for use at a load in and accurate enough for the leading design labs, the DMXters are the world standard for testing and verifying DMX512 and RDM.

Our most recent software is V4.36 - see attached release notes

Recent DMX512 features: fill Snapshot with 13 pre-recorded patterns - generate packets with framing errors to test receiver's error handling - added a 485 "logic probe", useful in debugging DMX hardware

Expanded RDM features: supporting all approved PIDs - includes a simple RDM custom-packet generator for building manufacturer-specific PIDs - expanded RDM diagnostic

responder generates both Status and Queued messages - responder generates challenges to stress a controller's error handling

Advanced RDM: send RDM packet with framing error - increased number of specific tests to stress responder's error handling

The DMXter4A is simple to use. Eight buttons run its menu-driven software. The DMXter4A 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 sturdy water-resistant case, tough enough to ride in your tool kit or cable hamper.

RDM Support

All DMXter4A RDM units discover, query status, perform device configuration, and test RDM responders. The software supports all approved E1.20 and E1.37 PIDs.

RDM Inserter allows you to insert RDM into a DMX512 signal coming from a separate controller.

Designers and evaluators of RDM equipment will want our optional Advanced RDM controller software. The RDM Sniffer option allows you to capture up to 500 RDM request/reply transactions, including all timing.

Transmit

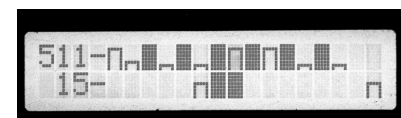
The DMXter4A supports nine different user controlled transmit modes. The major transmit parameters, or flavors, can be set over a wide range to simulate almost all DMX controller timings. The DMXter4A supports all START Codes.



Standard numeric display

Receive

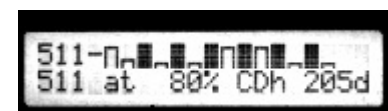
The DMXter4A maintains and expands our industry leading receive and analysis routines for DMX512. Measures more parameters to a higher precision than earlier DMXters. Display Slot levels in either a numeric or graphic display format. The graphic interface allows 32 slots to be viewed at once.



Bar graph of 32 slots

Intercept and Modify feature

This feature lets you work on any slot without interrupting the guy at the console programming the movers. With the DMXter4A RDM you can re-time any DMX data stream to one of three conservative flavors that even the pickiest color scroller will accept.



Graph with readout of slot 511

View Levels on your PC

If you are monitoring a system with your DMXter4A and even the Bar Graph display is

a bit cramped, view 128 slots at once using your PC as an add on.

View Levels in 3 Number Formats

Choose the display format you prefer - percent, decimal or hexadecimal. To view details on our binary to percentage conversion routines, refer to our website.

Cable Tester

Testing a cable for electrical continuity is not the same as testing it for data transmission continuity. The DMXter4A 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

Multichannel mode lets you define a number of similar fixtures in a contiguous block - particularly helpful when working with moving lights.

ShowSaver and 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 227 cues you can trigger manually, externally or by time. Automatic switch-over on data failure is available on both routines. ShowSaver and ShowPlayer 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.

USB port

The DMXter4A supports USB connection to personal computers. This facilitates software updates in the field. Use it to support more detailed data views than can easily be viewed on a 20x2 line display. This will also allow full alphanumeric entry when appropriate. The USB enables the use of third party software where the DMXter4A is the engine.

Goddard Design Co. is the North American distributor of Benjamin Electric's RDM Integrity. This software can be run on any DMXter4/4A RDM or MiniDMXter4. RDM Integrity uses Goddard Design's industry-standard timing measurements.

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PRICE LIST - As of August 2018		
PART #	DESCRIPTION	UNIT PRICE
FD DMX-4A	DMXter4A RDM with manual download	\$1025.
	Paper Manual	\$ 15.
	ShowPlayer Option	\$ 25.
	Colortran Protocol Option	\$100.
	Advanced RDM Software option	\$200.
	Advanced RDM Sniffer software option (must have Advanced RDM to run)	\$100.
FD DMX STCIA	Receive Scope Trigger hardware kit(for DMX512 use only - RDM scope trigger built into unit)	\$195.
	3 ft. DMX Cable	\$ 25.