WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and it's subsidiaries are fully tested prior to shipment and are warranted against defective materials and workmanship for a period of two full years from the date of the original shipment. Should a problem occur, a Return Material Authorization Number (RMA) must be obtained from Liteway Inc. at (516) 931-2800 and the item returned to Liteway, Inc. 166 Haverford Road, Hicksville, NY 11801, USA, prepaid. Liteway Inc. will then, at its option repair or replace the defective item.

Liteway, Inc. maximum liability under this warranty is limited to the cost of the defective item only. No contingent liabilities of any kind are either assumed or implied.

Any items returned to Liteway, Inc. that have been misused, abused, damaged, modified, connected or adjusted in any way contrary to the instructions furnished by Liteway, Inc. or repaired by unauthorized personnel will not be covered by this warranty. Any non-warranty repairs required will be quoted at the current rate for such services.

Important Notices

CAUTION ! AVOID DIRECT EXPOSURE TO BEAM.
All -7,-8, and -9 Models use laser diodes. These solid-state laser diodes are located in the optical ports of these units. Laser diodes produce invisible radiation that may be harmful to human eyes. Never look directly into the optical port of any fiber optic unit designed to operate with single-mode optical fiber.

NOT FOR LIFE SUPPORT SYSTEMS
Liteway, Inc. does not authorize or warrant any of its products or accessories for use in critical life support systems or applications of any kind.

134197 Rev C

OPERATING INSTRUCTIONS

Fiber Optic DMX-512-A Transmission System

Model DMXT-7001, DMXP-7001

The DMXT-7001 and DMXP-7001 are designed to transmit, receive and repeat standard ANSI E1.11-2008 (DMX-512-A) signals at data rates from DC to 1Mb/s on a single optical fiber. The unit may be used for point-to-point or in drop and repeat applications.

Technical Specifications

Data Rate	DC-1 Mb/s
Operating Modes	Simplex or Drop and Repeat
Interface/Protocol	ANSI E1.11-2008 (DMX-512-A)
Optical Wavelength (nm)	850 (-1), 1300 (-3,-7), 1550 (-9)
Fiber Compatibility	-1, -3 multimode, -7 single-mode
Optical Connectors	-1, -3 ST, -7, FCPC
Signal Connectors	Standard 5 position XLR (male/female)
Transmission Range *	-1, 1 mile, -3, 3 miles, -7,20 miles
Temperature Range	-35º to +75ºC
Power Requirements	10-18 VAC/DC @250 ma.
Physical Size (mm)	5.0"(127)L x 1.5" (38.1)W x 3.0"(7)D

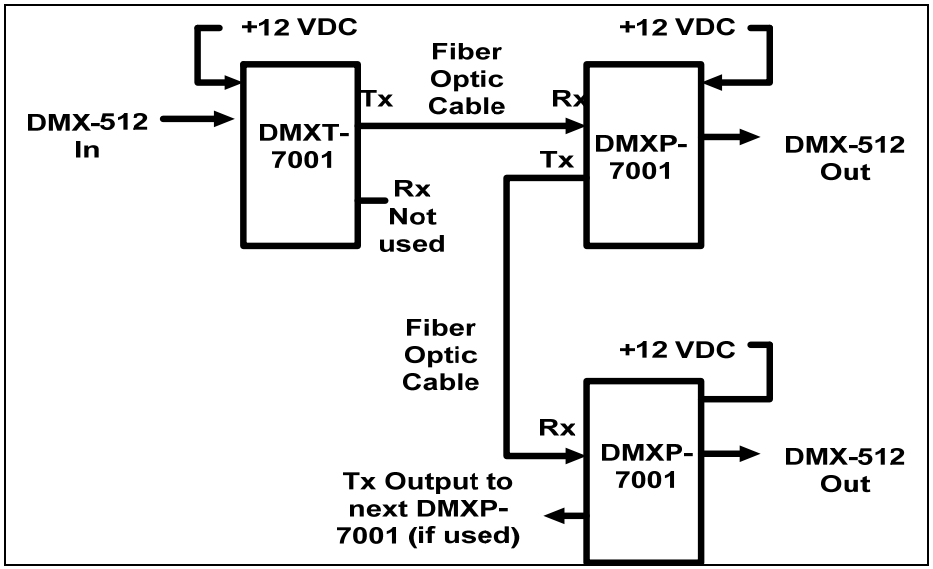
* unit to unit

All specifications are subject to change without prior notice.

LuxLink®
Fiber Optic Transmission Systems
www.LuxLink.com
USA 516-931-2800

Installation Instructions

The diagrams below show the fiber optic and signal connections for the DMXT-7001 and DMXP-7001 when used as a signal source and a drop-and-repeat signal distribution application. For proper operation, the DMXT-7001 and DMXP-7001 units must always be connected exactly as shown. Note that at least 10 DMXP-7001 units can be connected in a single run.



Signal Connector (5 Position Standard XLR)

Note that the input or output function of the pins are the same for both the input and output connectors. The transmit (input) connector on the DMT-7001 is a standard 5 position male XLR and the receive/repeat (output) connector on the DMX)-7001 is a standard female 5 position XLR. The Tx optical output is not used at the last DMXP-7001 unit in a system

Pin	Connection
1	Ground (Shield)*
2	Negative Signal Input or Output
3	Positive Signal Input or Output
4	No Connection
5	No connection

*Ground (common) is also connected to the housing.

Power Terminal Block Connections

Pin	Function
1	Alarm Output for use with optional ALM-1000
2	10 to 24 VAC/DC (250 mA max)
3	DC return (common)*

Pin 1 is used to enable an optional ALM-1000 which will provide a visible and audible indication as well as an external set of contact closures in the event of a loss of signal or invalid optical link.

*Ground (common) is also connected to the housing.

Indicator Lights

Indicator	Lights when
Pwr	Proper power is present.
Tx	DMX-512 Data is being Transmitted
Rx	DMX-512 Data is being Received
Link	A valid optical link is present
Alm	A valid optical link is not present

Note that the Rx LED will light on the DMXT-7001 indicating the presence of an input DMX signal. The Tx LED will light indicating the transmission of a DMX signal. Both the Tx and Rx LEDs will light for the DMXP-7001 when DMX signals are being received and retransmitted.

The LINK LED indicator will light on the DMXT-7001 when the internal circuitry is operating properly and transmit data is present. The LINK LED will light on the DMXP-7001 when a valid optical link is present.

The Alarm LED will light on either unit when there is no DMX signal or when there is no valid optical link.

Be certain to check all connections and voltages before applying operating power.