

WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and its 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.

OPERATING INSTRUCTIONS

CAT-5 MIDI

Transmission System

MIDI-1001 Transceiver



The MIDI-1001 system consists of the two MIDI-1001 transceivers. This system will transmit all standard MIDI 1.0 data signals beyond the specified 50 foot (15 meter) limit without signal loss or interference.

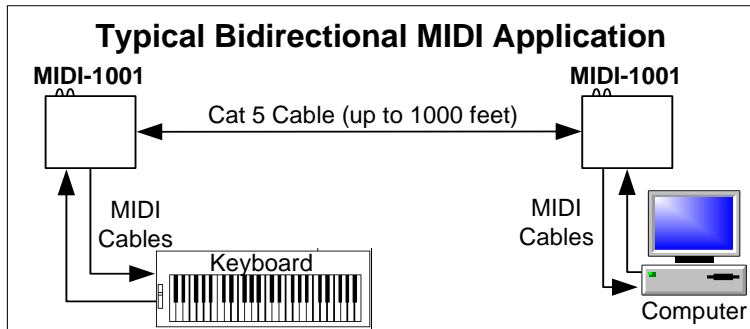
Technical Specifications

Bandwidth	DC – 1.0 Mb/s (Includes 31.25 Kbaud)
Protocol supported	MIDI 1.0 (all formats)
Rise / Fall Time	Less than 100 nanoseconds
Bit-error Rate	1 x 10 ⁻⁹ (worse case)
Signal Connectors	5 pin 180° DIN
Input Isolation	Optical Isolation 10 KV/us
Output Drive	25mA maximum (5 times MIDI 1.0)
Interconnection Cable	CAT 5
Transmission Distance	16 to 1000 feet
Temperature Range	-35° to +75°C
Power Requirements	11-24 VAC/DC @160 mA
Physical Size (mm)	5.0”(127)L x 1.0” (25.4)W x 3.0”(7)D

All specifications are subject to change without prior notice.

Installation Instructions

A typical application is shown below.



Power must be supplied to both MIDI transceiver locations.

Any MIDI signal applied to the MIDI IN connector on one MIDI-1001 transceiver will appear at the MIDI OUT connector on the other MIDI-1001 transceiver.

One MIDI-1001 must be set to A and the other MIDI-1001 to B. This is accomplished by setting both DIP switches on one unit to position A and both position B on the other.

Power Terminal Block Connections

Pin	Function
1	Alarm output for use with optional Alarm Sensing Unit ALM-1000. No other connections should be made to this terminal.
2	+11 to 24 DC or AC Volts input
3	AC or DC return (Common to Housing)

Be certain to check all connections, settings and voltages before applying power

Indicator Lights

Indicator	Lights when
Pwr	Proper power is present.
Alrm	There is no valid CAT 5 cable connection between the units.
Tx, Rx	A MIDI data signal is being transmitted or received. At low data rates these indicators may blink with data.
Link	A valid CAT 5 cable connection exists between the two MIDI units connected together. If the Link light is not on MIDI data will not be transmitted