

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 -5, -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

MIDI Transmission System

Model MIDI-1001



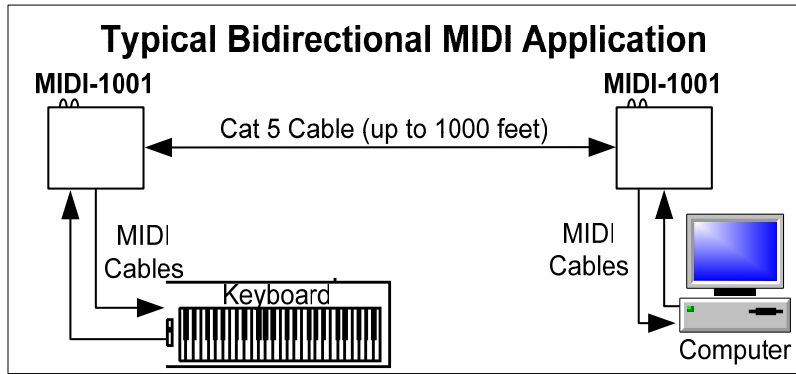
The *MidiExtender*TM MIDI-1001 system consists of two MIDI-1001 transceivers. These units utilize transmission techniques that allow standard MIDI data signals to be transmitted and received over a standard CAT5 data transmission cable over distances of 1000 feet.

Technical Specifications

Protocol	MIDI 1.0
Input Termination	Opto-isolated per MIDI 1.0
Output	per MIDI 1.0
Data Rate	0 to 100 Kbaud (31.250 Kbaud standard)
MIDI connectors	5 position 180 ° DIN
MIDI ports	MIDI IN, MIDI OUT
Transmission Media	CAT5 data transmission cable
Transmission Connectors	RJ-45
Transmission Distance	0 to 1000 feet (330m)
Temperature Range	-20° to +75°C
Power Requirements	11-24 VAC/DC @150 mA
Power Connector	Removable terminal block
Physical Size (mm)	5.0"(127)L x 1.0" (25.4)W x 3.0"(7)D

Installation Instructions

The diagram below shows the typical installation of the MIDI-1001 transmission system.



Step by Step Installation Procedure

1. Set the front panel DIP switch on one MIDI-1001 unit to "A" and the front panel DIP switch on the other MIDI-1001 to "B".
2. Connect Power to both MIDI-1001 units. Note that the **Pwr** and **Alm** indicators on one unit will light and that the **Pwr** and **Link** indicators on the other unit will light. The **Rd** indicator may also come ON at this point.
3. Connect the CAT 5 data transmission cable between the two units. Note that the **Link** indicator lights on both units and that the **Alm**, **Td** and **Rd** indicators are OFF on both units.
4. Connect the MIDI cables to the appropriate equipment to be used.

Be certain to use CAT 5 (or better) data transmission cable. Also be sure that one MIDI-1001 units is set to "A" and the other to "B"

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)

Note that the terminal blocks are removable to allow easy wire hookup.

Indicator Lights

Indicator	Lights when
Pwr	Proper power is present.
Alrm	The loss of link alarm is activated and there is no link present.
Link	A valid communications link is present
Td	MIDI signals are being transmitted.
Rd	MIDI signals are being received.

Note that the **Td** and **Rd** indicators may blink with the data or remain OFF if no data is being sent.