



DigiView[™] Video Link

MT/MR-1DM/1IR-x Optical HDMI Extender

User Manual

FEATURES

Features

- Extend HDMI Video up to 1080p, 60Hz and Graphic Resolutions up to 1920x1200 Over One Fiber
- HDMI 1.3A and HDCP V1.2 Compliant
- No Settings or Adjustments Necessary, Automatically Recognizes HDCP, EDID & CEC
- IR Bi-directional Data Channel Over Same Fiber
- Local LEDs for Link Activity Status
- Available for Both Singlemode and Multimode applications
- Multimode Distances Available in Excess of 300 Meters (Fiber Dependent)
- Single-mode Unit Supports Distances up to 25km
- Uses Small, Reliable LC Optical Connector

Package Includes

- MT-1DM/1IR-x TX (Transmitter, To Video Source)
- MR-1DM/1IR-x RX (Receiver, To TV)
- 5V AC/DC Power Adapter (2 pcs.)
- Micro-USB cable (100 cm) (2 pcs.)
- User's Manual

Please verify all items are included in the box. If anything is missing, please contact vendor for replacement.

MT/MR-1DM/1IR-x LAYOUT

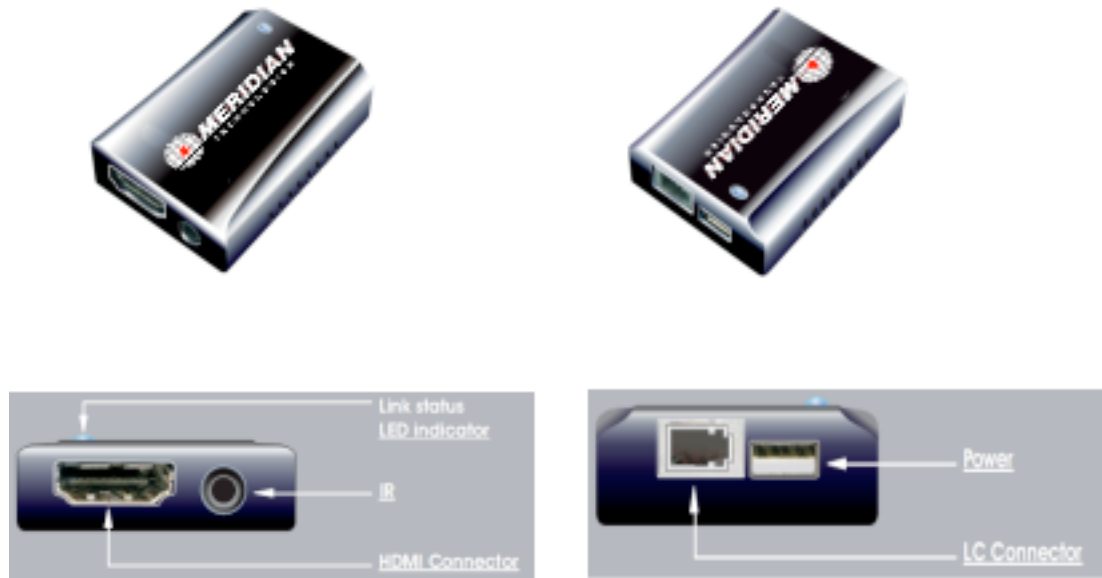


Figure 1 MT/MR-1DM/1IR-x Optical HDMI transmitter and receiver

CONNECTING AND OPERATING MT/MR-1DM/1IR-x

MT/MR-1DM/1IR-x System Connections

Figure 2 shows MT/MR-1DM/1IR-x Connection Diagram.

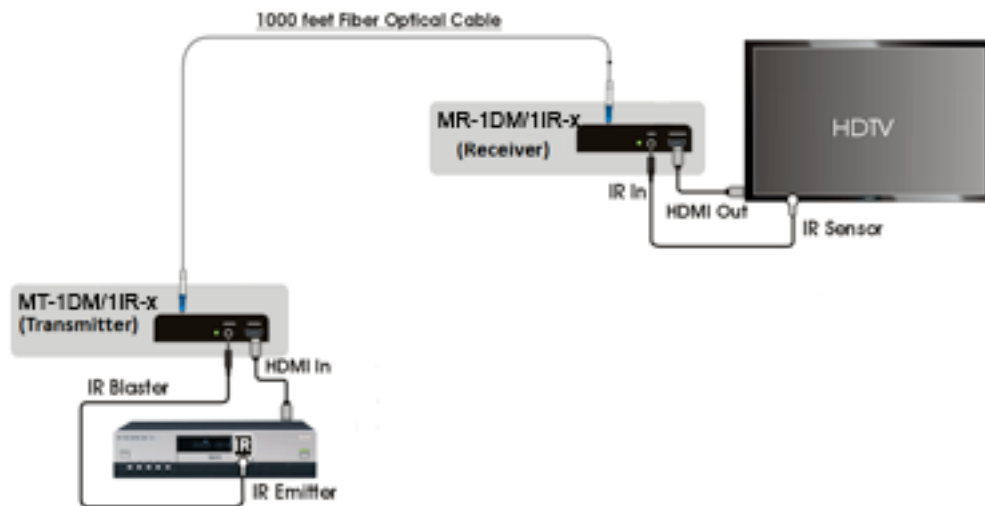


Figure 2. Connection of MT/MR-1DM/1IR-x Optical HDMI Extender

1. Using the HDMI cable connects the HDMI OUT port on the rear of the video source (DVD, STB, A/V).
2. Connects the HDMI cable to the HDMI IN port on the front panel of MT-1DM/1IR-x TX (Transmitter).
3. Using the IR emitter connects the IR OUT port on the front panel of MT-1DM/1IR-x TX (Transmitter).
4. Locate IR sensor window on DVD or other video source device you intend to control.
(*You may use the remote control to locate the IR sensor)
5. Secure the IR emitter on DVD or other source devices.
6. Connect power to the 5V DC port on the rear panel of MT-1DM/1IR-x TX (Transmitter) using provided power adapter.

TROUBLE SHOOTING

Q1: Where do the MT/MR-1DM/1IR-x TX and RX go?

A1: MT-1DM/1IR-x is the transmitter, and it is connected to video source devices

(PC, DVD, etc.).

MR-1DM/1IR-x is the receiver, and it is connected to HD display

(TV, monitor, projector, etc).

Q2: What is the maximum distance between source device and HD monitor?

A2: MT/MR-1DM/1IR-x can support distances:

- Multimode fiber – in excess of 300 meters (1000 feet) at 1920x1200 video resolution.
- Single-mode fiber – up to 25 Km (15.5 miles) at 1920x1200 video resolution.

Q3: Can I use the HD monitor's USB power for MR-1DM/1IR-x RX?

A3: Yes, if the HD monitor's USB power output can provide +5V and 0.5A current.

Note that MR-1DM/1IR-x RX may not work during HD monitor's power-saving mode.

Q4: What does MT/MR-1DM/1IR-x LED light meaning?

A4: MT/MR-1DM/1IR-x LED Indicates four types of the link status:

Regular On/Off – The system failed to boot properly. Unplug and plug power supply.

Fast Blinks – The system is booting properly.

Gradually On/Off — No communication between TX and RX system. Check for fiber connection between the systems.

Solid – Communication between TX and RX system is established.

Ready for proper operation.

Q5: I can't see the video image, and both status LEDs on MT/MR-1DM/1IR-x are solid. Why is that not working when both lights are solid?

A5: 1) Check the HDMI connections to display and to source are securely connected.

2) Check both source and display supports HDCP. If one side does not support HDCP, then there will be no picture.

Q6: Does MT/MR-1DM/1IR-x support HDCP (High-bandwidth Digital Content Protection)?

A6: Yes, MT/MR-1DM/1IR-x supports HDCP.

LIMITED WARRANTY

Meridian Technologies warrants this product to be in good working order for a period of one year from the date of purchase. If this product is not in good working order as warranted above, or should this product fail to be in good working order at any time during the warranty period, Meridian Technologies shall provide repair or replacement.

This warranty does not cover incidental or consequential damages incurred by consumer misuse, or modification of said product. For limited warranty service during the warranty period, please contact the retailer/distributor or call (516) 285-1000 to obtain an RMA number and instructions for returning the product.

The information contained herein is provided to the user as a convenience. While every effort has been made to ensure accuracy, Meridian Technologies is not responsible for damages that might occur because of errors or omissions, including any loss of profit or other commercial damage. The specifications described herein were current at the time of publication, but are subject to change at any time without prior notice.



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