



INSTALLATION AND OPERATION MANUAL

FVT/FVR(X)MI[/M]

HD DIGITAL VISUAL INTERFACE MULTIMODE
FIBER LINK WITH HDCP / EDID / CEC

This manual serves the following ComNet Model Numbers:

FVT1MI
FVR1MI
FVT2MI
FVR2MI
FVTRMI
FVT1MI/M
FVR1MI/M

The ComNet™ FVT/FVR(X)MI[/M] features an HDMI™ fiber link for uncompressed high-resolution bi-directional communication with full HDCP copyright protection, EDID and CEC connection functionality. The high-resolution signal is transmitted over one multimode fiber using multiple wavelengths up to 1000m. Resolutions of up to 1080p60 are supported. HDCP encryption is not affected or compromised by the FVT/FVR(X)MI units.

The FVT/FVR(X)MI transmits pixel-for-pixel images and full 24-bit scan rate with no contouring or bit reduction. This unit is fully compatible with HDMI™ compliant sources and monitors, supporting all possible horizontal and vertical sync configurations. The CEC support provided by these units allows the user to communicate with up to ten CEC-enabled devices connected via HDMI™.

A locking HDMI™ screw prevents the connectors from accidental disconnection.

Packaged in either a small stand-alone housing or the exclusive ComNet ComFit housing, the FVT/FVR(X)MI standard size product may be either wall or rack-mounted, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate.

Bi-color (Red/Green) LED indicators are provided for rapidly ascertaining equipment operating status. **Figure 12 on Page 6** describes the indicators for each light on the unit.

The FVT/FVR(X)MI standard size (ComFit) unit is interchangeable between stand-alone or card mount configurations, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate. The FVT1MI/M has a small footprint, making it suitable for shelf- or wall-mounting where space is at a premium. See **Figure A on Page 7** for mounting instructions.

FIGURE 1 - FVT/FVR1MI SINGLE FIBER

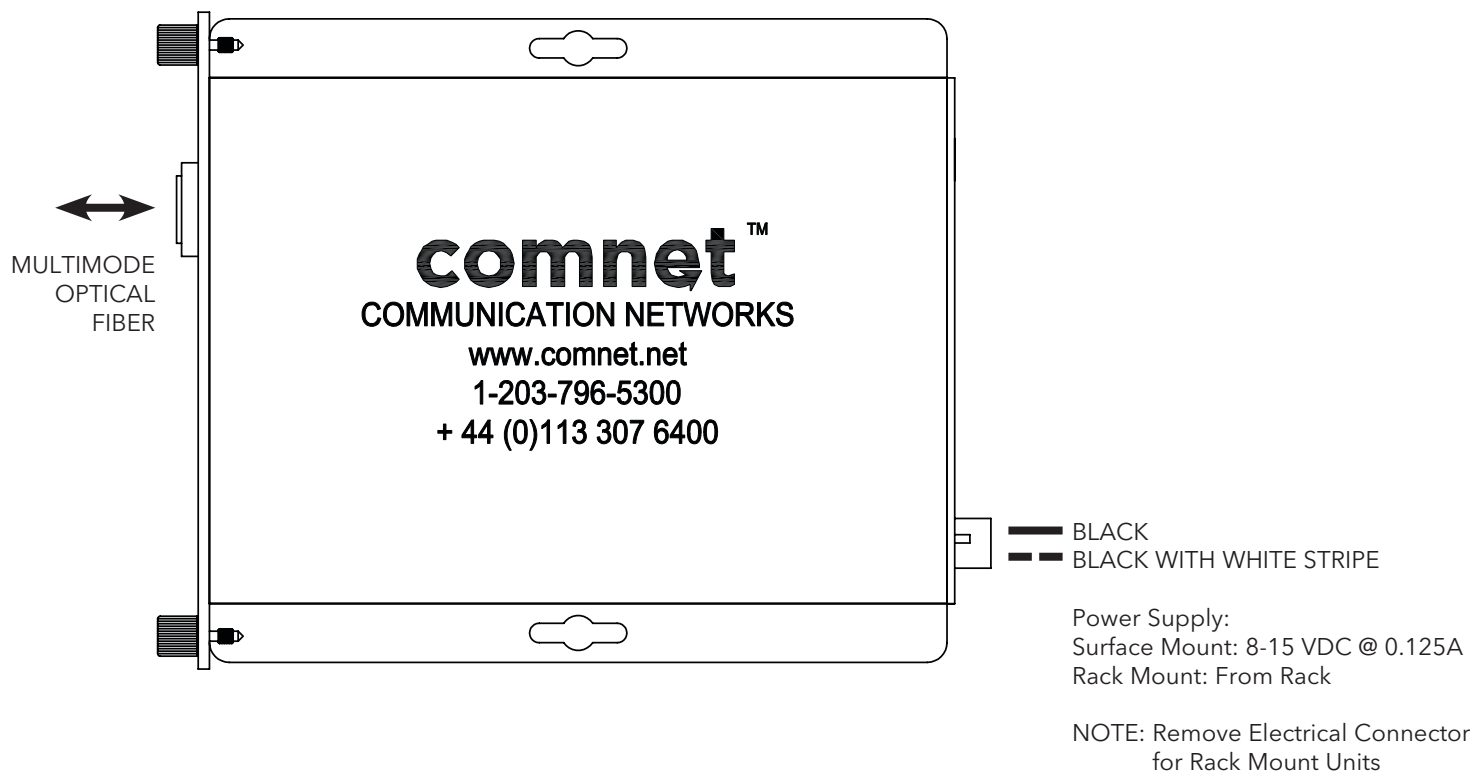


FIGURE 2 - FVR1MI RECEIVER

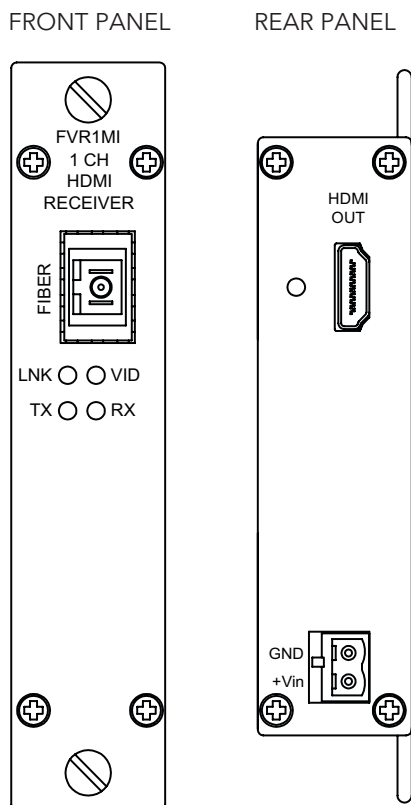


FIGURE 3 - FVT1MI TRANSMITTER

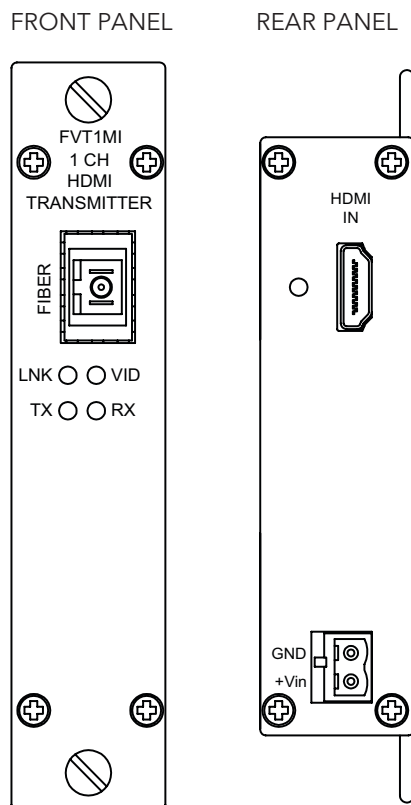


FIGURE 4 - FVT/FVR2MI TWO FIBER

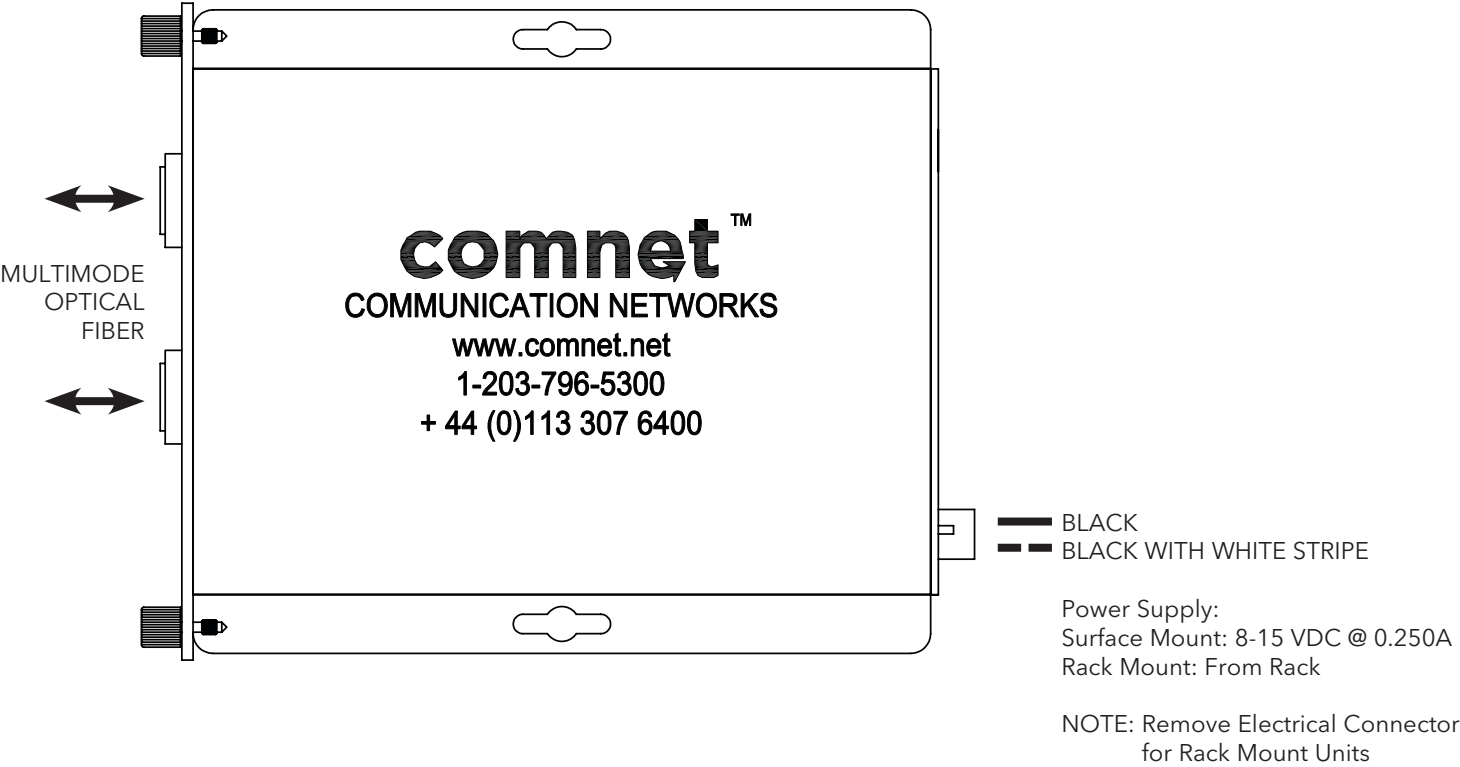


FIGURE 5 - FVR2MI RECEIVER

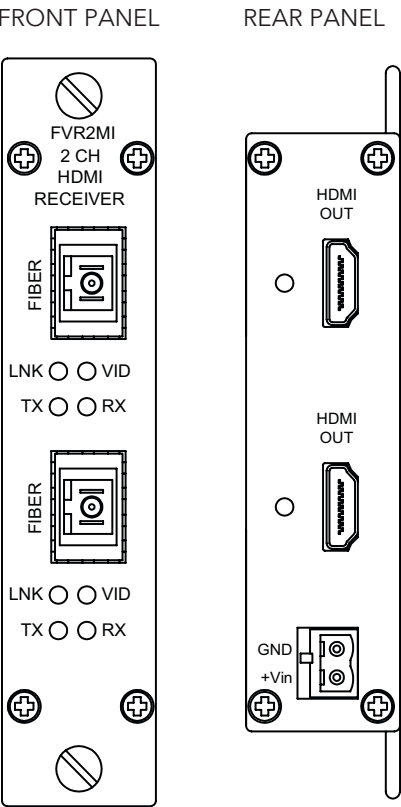


FIGURE 6 - FVT2MI TRANSMITTER

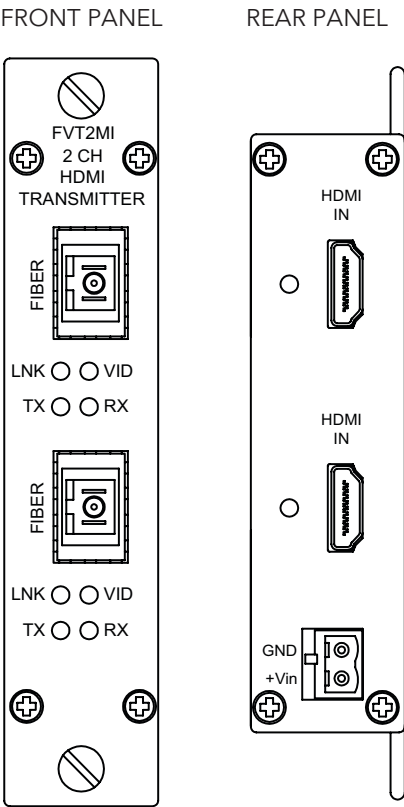


FIGURE 7 - FVTRMI TRANSCEIVER

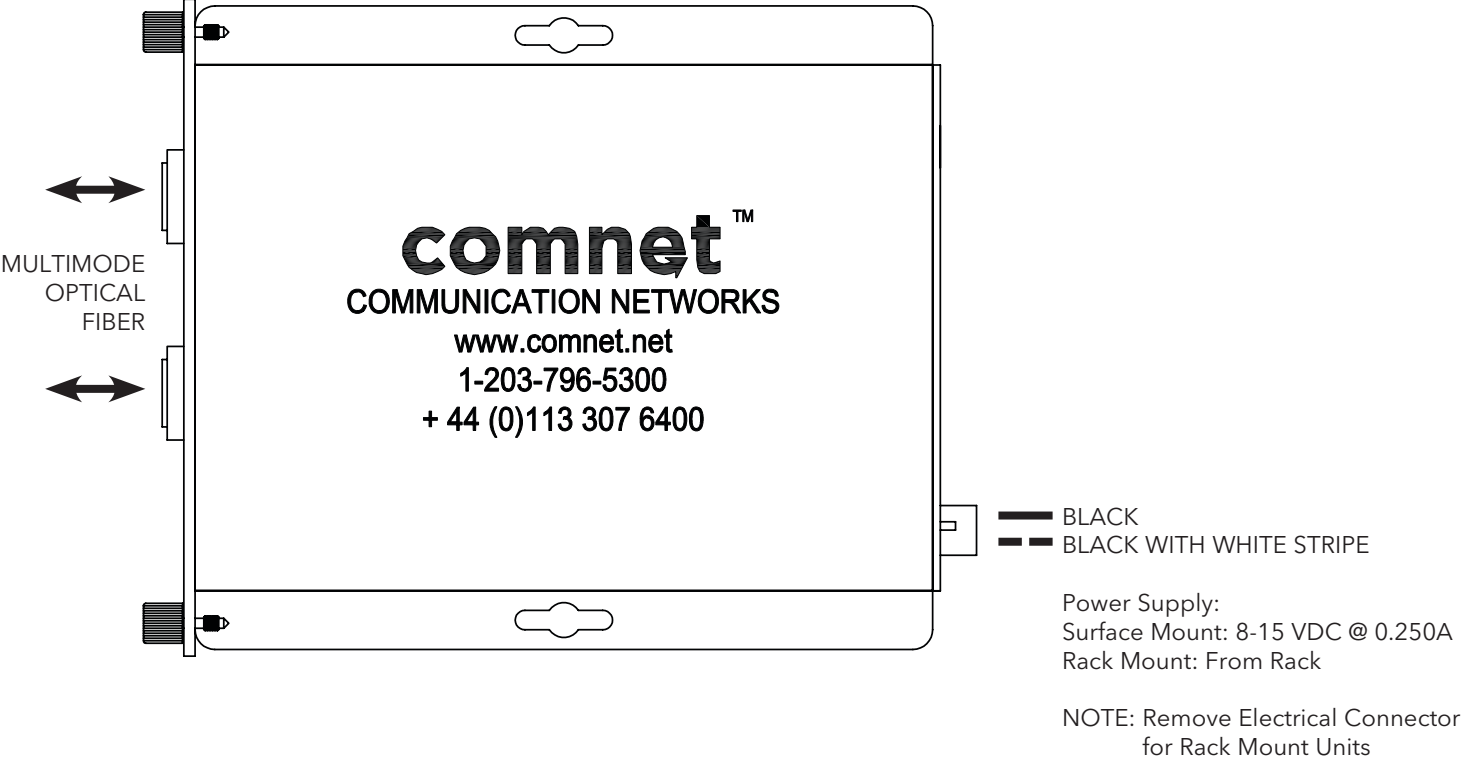


FIGURE 8 - FVTRMI

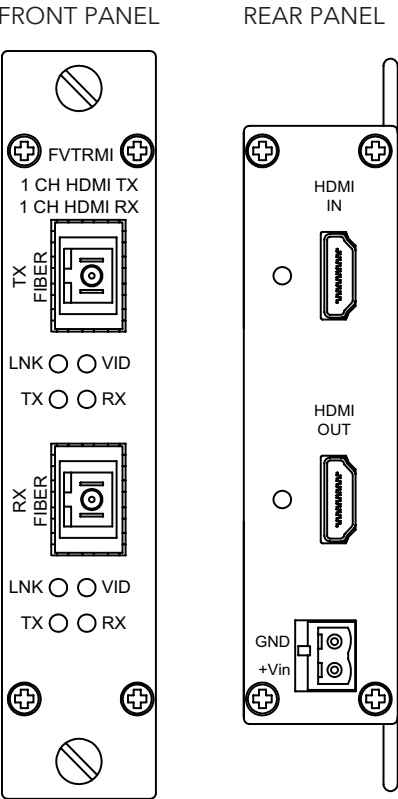


FIGURE 9 - FVR1MI/M MINI SINGLE FIBER RECEIVER

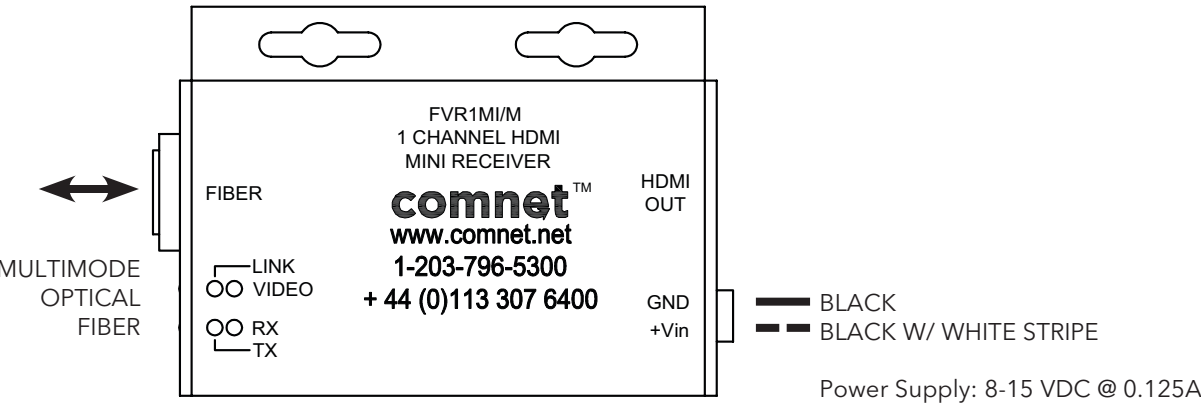


FIGURE 10 - FVT1MI/M MINI SINGLE FIBER TRANSMITTER

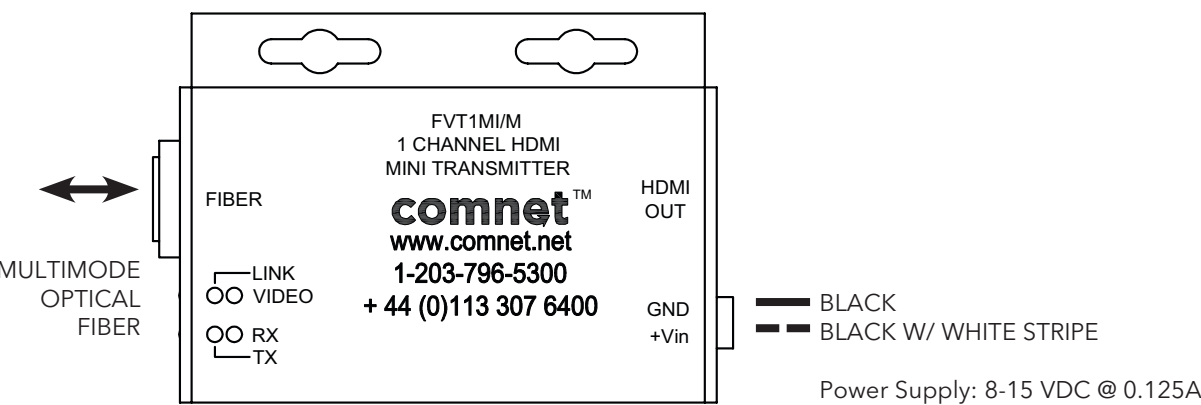


FIGURE 11 - FVT/FVR1MI/M MINI SINGLE FIBER

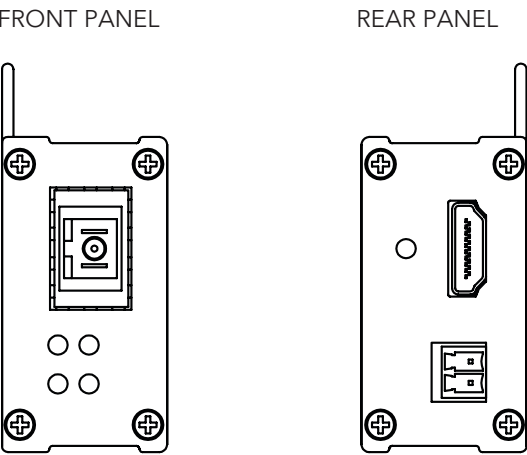


FIGURE 12 - LED INDICATORS

	LINK	VIDEO	TX	RX
SOLID GREEN	Communication link has been established over optical fiber	Sink Power On	Source Cable OK	Sink Cable OK
FLASH GREEN	Communication link has not been established over optical fiber	N/A	N/A	N/A
OFF	Unit powered down.	Sink Power Off	Source Cable Disconnected	Sink Cable Disconnected

NOTE: "Source" refers to the HDMI™ Input (e.g. Blu-Ray player, Camera or Set Top Box).

"Sink" refers to the HDMI™ output device, (e.g. Monitor).

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