

USER MANUAL

Complex CMX-FMCH001 4K/2K HDMI 2.0 Fiber Extender



Features:

- Automatic EDID
- RS232 Bi-Directional Pass Through
- Bandwidth up to 18Gbps
- Video Resolutions: up to 4kx2k@60hz, YUV4:4:4 HDR

TRANSMITTER



- 1 HDMI LED Indicator
- 2 Link TX/RX LED Indicator
- 3 Power LED Indicator
- 4 EDID Reset



- 5 Power Supply Port
- 6 RS-232 Input
- 7 Factory Use Only
- 8 HDMI Input
- 9 Fiber Output
- 10 Ground

RECEIVER



- 1 HDMI LED Indicator
- 2 Link TX/RX LED Indicator
- 3 Power LED Indicator



- 4 Power Supply Port
- 5 RS-232 Output
- 6 Factory Use Only
- 7 HDMI Output
- 8 Fiber Input
- 9 Ground

SPECIFICATIONS

Compliance	HDCP 2.2, HDCP 1.4	Transmission Distance	SFP module Dependent up to: Single Mode 37 miles (60km) Multimode 984 feet (300m)
Certification	FCC, CE	Power Consumption	3W Each Unit
Video Bandwidth	Up to 18Gbps	Powdered-Coated Unit Dimensions	5-7/8 x 3-1/4 x 7/8 inches Each Unit
Video Formats	4K2K@60Hz(YUV4:4:4) 4K@60Hz, 1080P, 720P, 576P, 480P/ VESA Resolution	Weight Both Units	1 lb
Audio Formats	LPCM 7.1 Dolby TrueHD DTS-HD Master Audio	Includes	2-12VDC/1A Power Supplies 2 Phoenix Plugs

NOTE: Duplex SFPs are NOT included

EDID RESET TO DEFAULT STATUS

1. Default EDID: 1080P, audio 2 channel PCM.
2. Press the EDID Reset button for 5 seconds using the end of a paper clip.
3. The Power LED indicator will go out and turn on again.
4. Connect the extender to the 4K display.

RS232 PASS THROUGH FUNCTION

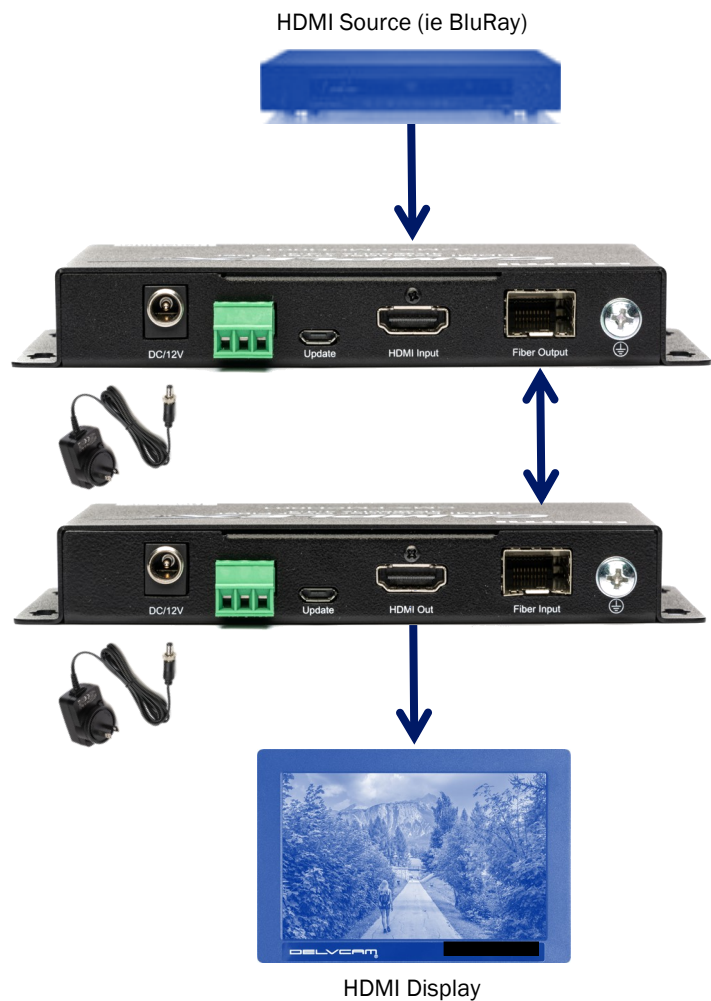
1. Default baud rate: 115200
2. Open the serial port interface on the computer or other RS232 device to set the baud rate manually.
3. Supported baud rates:

115200	14400
57600	9600
38400	4800
19200	2400

CONNECTION DIAGRAM

1. Connect the HDMI input source to the HDMI input on the Transmitter.
2. Connect the fiber cable to the SFPs on both units (SFPs are NOT included).
3. Connect HDMI display to the HDMI Output on the Receiver.
4. Connect RS232 as needed with Phoenix plugs.
5. Connect the 12VDC power supplies to the Transmitter and the Receiver (included).

NOTE- Duplex SFP modules required





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BROADCAST FIBER OPTIC SOLUTIONS

SAFETY PRECAUTIONS

1. To prevent fire or shock hazard, do not expose this equipment to high humidity and/or dust. Do not use in an unprotected outdoor installation nor any area classified as overly damp or wet.
2. The temperature for installation should be between 32°F to 140°F (0°C to 60°C). Avoid direct sunlight exposure or extreme changes of temperature over a short period of time.
3. Do not disassemble the unit or place it on an unstable base.
4. Do not drop the unit and avoid heavy impact.
5. This unit should not be placed in a built-in installation unless proper ventilation is provided. Any openings in the enclosure must not be blocked or covered as they protect the unit from overheating.
6. Before cleaning, unplug the unit from all connections. Use a clean, slightly damp cloth. Do not use liquid or aerosol cleaners. Use appropriate cleaning kits for fiber optic cables.
7. Do not overload outlets and extension cords as this could result in a fire or electric shock.
8. Enclosure entry is dangerous. Never push objects of any kind, including liquids, into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
9. Do not attempt to open or service this unit yourself as opening or removing covers may expose you to dangerous voltage and other hazards.
10. There are no user-serviceable parts inside the unit. If the unit requires service contact your authorized dealer, or an authorized repair service company.