

Best.nr: 20104153

One (1) Fiber HDMI 2.0 Optical Detachable Extender With Copper Extension



User Manual

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Installation

Important: Please keep the installation procedure below. Failure in operation may result if the start-up sequence is not correctly followed.

Step 1

Carefully unpack the contents in the shipping group.

Step 2

Power on the HDMI source and display. The external power is recommended for the stable power supply for both the transmitter and receiver.

Step 3

The Power LED will be turned on and the Status LED will blink three (3) times. Then the Status LED will blink again when the whole connection is made.

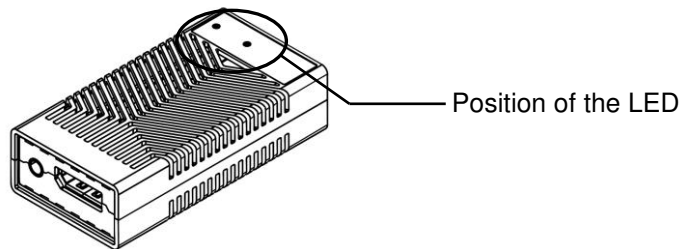


Figure 2 – Position of the LED

Step 4

Connect one (1) LC optical fiber between the transmitter and the receiver. Ensure the connectors are fully engaged and then, the top LED will begin to blink regularly.

Step 5

Connect the transmitter and the receiver to the source and the display respectively via 2m copper cable provided in the shipping group.

Note: If the connectors are fully engaged, the bottom LED will turn on.

1-3 Installation

Note: If HDFX-500 module is used as its pair for HDFX-700, connect HDFX-500 module directly into the HDMI port on the source or display.

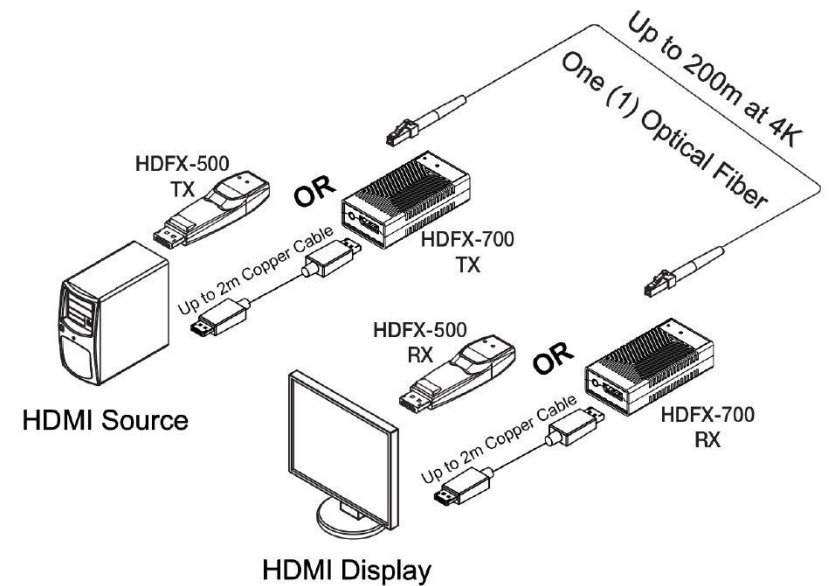


Fig Figure 3 – Connection of optical fiber

Step 6

If the system does not work properly, go to the page 1-5 for trouble shooting.

Note1: Please DO NOT look directly into the LC receptacles of the Transmitter, while it is powered on. Although this product is regulated strictly enough to operate under the LASER Class I, classified by CDRH/FDA for eye safety, it is not recommended to do so.

Note2: The maximum extension length by OM3 fiber is 200 meters (656ft.).

Note3: It is recommended NOT to use any intermediate cable or adapter that is not provided in the shipping group between the modules to avoid undesirable performance degradation.

1-4 Installation

Troubleshooting

The display shows black screen.

- Ensure that all the plugs and jacks used by DC power supplies are firmly connected. Ensure that the LED is ON.
- Ensure that the HDMI cables are firmly plugged into the HDMI source and display.
- Ensure that the transmitter and receiver modules are plugged correctly to the source and display, respectively.
- Check if the HDMI source and display are powered on and properly booted.
- Reset the system by de-plugging and re-plugging the transmitter or receiver, or by de-plugging and re-plugging the DC power adapters that are plugged to the transmitter and receiver module.
- Re-boot up the system while connecting the module.

Screen is distorted or displays noises.

- Check if the graphic resolution is properly set. Go to the display Properties and tap the Settings. Ensure that the resolution sets less than WQUXGA (3840x2400) at 60Hz refresh ratio.
- Reset the system.
- Power down, disconnect and reconnect the optical system cable or DC power adaptors, and power up again.

Maintenance

No special maintenance is required for the optical system cables and power supplies. Ensure that the cables and power modules are stored or used in a benign environment free from the liquid or dirt contamination.

There are no user serviceable parts. Refer all service and repair issues to Opticis or its authorized distributor.

Technical Support and Service

For commercial or general product support, contact your reseller. For technical service, contact Opticis by email techsupp@opticis.com or visit its website at www.opticis.com

Product Specifications

- Compliance with HDMI standard:** supports HDMI 2.0
- Extension limit:** 200m (656feet) for 4K (4096x2160) at 60 Hz refresh rate over one (1) **LC OM3** fiber (50/125um).
- Graphic Transmission Bandwidth:** Supports total data rate 18Gbps (6Gbps per lane).
- Supports **HDR at 10bit or 12bit speed** respectively within 18Gbps
- Extra Copper Extension** available up to **2m** on each side (TX/RX)
- Supports** ARC up to 200m
- Selectable Option: full compatibility with **HDFX-500-TR** as a pair
- Firmware upgradable** via micro USB port
- Support **CEC, EDID, and HDCP 2.2 / 1.4**
- Mechanical specifications of transmitter and receiver**
 - **Dimensions(WDH):** 39mm x 76mm x 20mm
- Environmental Specifications**
 - Operating temperature: 0°C to 50°C
 - Storage temperature: -30°C to 70°C
 - Humidity: 10% to 85%

AC/DC Power Adapter

- Power Input:** AC 100-240V, 50/60Hz.
- Power Output:** +5 V, 1A SMPS DC-power Adapter

LED indicator

- Status LED**
 - **RED:** No connection with the Fiber
 - **AMBER:** No data signal
 - **GREEN:** Signal ON
 - **BLUE:** ARC ON
- Power LED**
 - **BLUE:** Power connected

Warranty Information

1 (One) Year Warranty

Opticis warrants this optical HDMI module to be free from defects in workmanship and materials, under normal use and service, for a period of one (1) year from the date of purchase from Opticis or its authorized resellers.

If a product does not work as warranted during the applicable warranty period, Opticis shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item, or refund to customer the purchase price paid for the defective product.

All products that are replaced will become the property of Opticis.

Replacement products may be new or reconditioned.

Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

Opticis shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to Opticis for repair under warranty or not.

Warranty Limitation and Exclusion

Opticis shall have no further obligation under the foregoing limited warranty if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or service other than by Opticis or its authorized agents, causes other than from ordinary use or failure to properly use the product in the application for which said product is intended.

Dispose of Old Electrical & Electronic Equipment

(Applicable in the European Union and other European countries with separate systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

1-7 Warranty Information

Certifications

CE / FCC, Class 1 Laser Eye Safety

Certification of Eye Safety

This laser product is inside implemented by using 780, 825, 850, 930, 960, 990nm LD Transceivers, manufactured by Opticis Co., Ltd., which are all certified by CDRH/FDA referred as classified in Laser Class 1 (IEC60825-1).



Caution – Use of controls or adjustments or performances of procedures other than those specified herein may result in hazardous radiation exposure.

1-8 Certifications

Opticis Locations

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For order support, please contact your Distributor or Reseller.

For technical support, check with the Opticis web site www.opticis.com or contact techsupp@opticis.com

The logo for DIREKTRONIK is displayed in a bold, italicized, sans-serif font. The letters are white with a thick red outline, set against a yellow background that curves upwards from the bottom right corner of the page.

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