# FiberX Series
## FX-P350 | HDMI 2.0 Optical Extender

Highly flexible PVC jacket

HDMI connector with
Secure-Lock-System™

FX Core optical engine

Solid die-cast housing

Status LED

Opical SC connector

USB port for power and firmware

## DESCRIPTION

The FiberX HDMI 2.0 Optical Pigtail Extender FX-P350 transmits uncompressed audio and video signals up to 1000m distance, over a single SC MultiMode fiber cable.

This compact extender is designed for professional applications - it handles full 18 Gbps bandwidth with supreme 24/7 reliability while providing simple plug and play usability.

The FX-P350 supports CEC, transparent EDID and HDCP as well as zero frame delay, no latency, no compression. The end user experience is that of a short high quality copper cable.  Connect and perform.

## FEATURES AND PERFORMANCE

- Single optical fiber transmission at full 18 Gbps bandwidth

- Resolutions up to 4K@60Hz 4:4:4 incl. HDR 10, HDR 12 and Dolby Vision

- HDMI 2.0, HDMI 1.x and DVI 1.0 compliant

- HDCP 2.2, HDCP 1.4 compliant

- Supports CEC and transparent EDID

- Zero frame delay, no latency, no compression

- Single MultiMode fiber cable to up to 1000m via SC connector

- Supports all HDMI audio formats incl. Dolby TrueHD and DTS-HD Master Audio

- Easy Plug & Play installation

- Status LED for simple trouble shooting

- Metal housing for optimized EMI protection and cooling

- Secure-Lock™ HDMI connector

## APPLICATION

Plug & Play connection up to 1000 meters.

INPUT

Graphic Cards
Gaming Devices
Blu-ray
DVR
Computer
Set-top Box

OUTPUT

TV
Monitor
Projector

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## DETAILED TECHNICAL SPECIFICATION | TRANSMITTER / RECEIVER

| Audio, Video & Optical | |
| --- | --- |
| TX input | 1 x HDMI locking male<br>1 x USB (power & firmware) |
| TX output | 1 x OPTICAL (SC) |
| RX input | 1 x OPTICAL (SC)<br>1 x USB (power & firmware) |
| RX output | 1 x HDMI locking male |
| HDMI standard | HDMI2.0, HDCP2.2, HDR 10, HDR 12 and Dolby Vision incl. RGB, YCbCr 4:4:4, CEC, EDID |
| Bandwidth | 18Gbps (6 Gbps / colour) |
| Resolution | Up to 4K / UltraHD / 20160p (4096x2160) @60Hz, 4:4:4 |
| Supported audio | Up to Dolby Atmos / DTS HD Master Audio |
| Transmission mode | Optical multimode fiber |
| Laser wavelength | HSL: 780, 800, 825, 850 nm; LSL: 910, 980 nm |
| Status LED | Power, video and HDCP status |

| General | |
| --- | --- |
| Transmission distance | Up to 1000m |
| Operation / storage Temperature | -0~50°C / -40~85°C |
| Humidity | 10% ~ 90% RH |
| Power supply | TX Micro USB 5V1A or HDMI<br>RX Micro USB 5V1A |
| Power consumption | TX 1.5 / 2.0 W (max)<br>RX 0.8 / 1.0 W (max) |
| Dimensions (W*H*D) | 362mm x 11.5mm x 30.3mm<br>Housing<br>88.2mm x 11.5mm x 30.3mm |
| Net weight (g) | 127g |
| Certification | CE, FCC, REACH, ROHS |

## CONNECTION STEPS
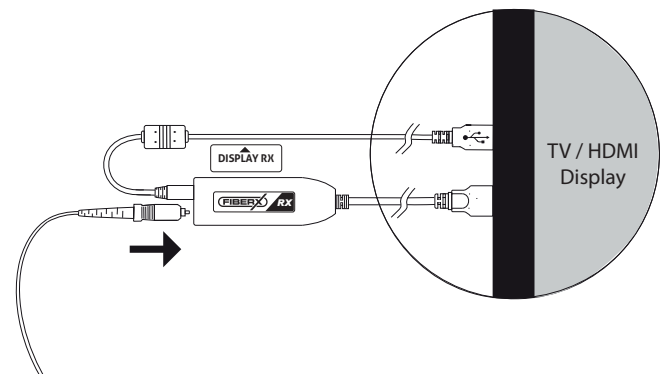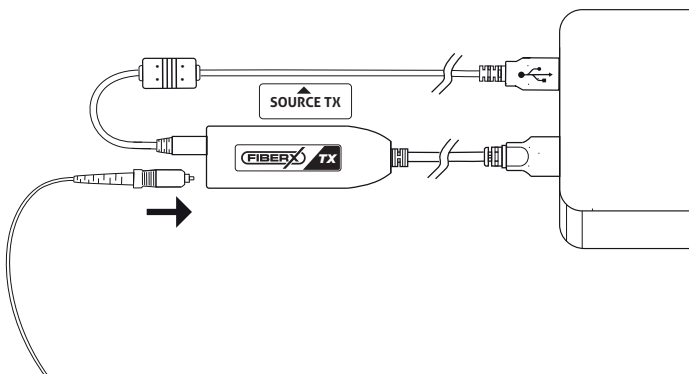


| Cable | | Link Status |
| --- | --- | --- |
| Off | ⚪ | Module end has no power |
| Red - steady / flashing | ☀️ | Module detects open fiber connection and has disabled the lasers |
| Yellow | 🟡 | Fiber link detected but link initialization failed |
| Green - flashing | 🟢 | Link functional with no HDCP video |
| Green - steady | 🟢 | Link functional with HDCP 1.x video |
| Blue | 🔵 | Link functional with HDCP 2.x video |
| Pink | 🔴 | Module detects open fiber connection and has disabled the lasers and USB is connected and ready for firmware update |

### Pre-assembled SC Multi-Mode Fiber Optic Cable

• Both sides pre-assembled with SC connectors in Germany
• 100% tested for professional AV applications
• Halogen-free and flame-retardant polyurethane

| | | | |
| --- | --- | --- | --- |
| FX-SC-005 | 5,00m | FX-SC-060 | 60,00m |
| FX-SC-010 | 10,00m | FX-SC-065 | 65,00m |
| FX-SC-015 | 15,00m | FX-SC-070 | 70,00m |
| FX-SC-020 | 20,00m | FX-SC-075 | 75,00m |
| FX-SC-025 | 25,00m | FX-SC-080 | 80,00m |
| FX-SC-030 | 30,00m | FX-SC-085 | 85,00m |
| FX-SC-035 | 35,00m | FX-SC-090 | 90,00m |
| FX-SC-040 | 40,00m | FX-SC-095 | 95,00m |
| FX-SC-045 | 45,00m | FX-SC-100 | 100,00m |
| FX-SC-050 | 50,00m | Special assembly on request | |
| FX-SC-055 | 55,00m | | |

## PRODUCT OVERVIEW

| Part Number | Color | Length | EAN | Weight | Quantity (PU) | Weight (PU) | Size (PU) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| FX-P350 | black | - | 4251364712146 | 0,13 kg | 10 pcs | 4.2 kg | 40 x 15 x 5 cm |

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