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# ST-FOHD-SC50

## HDMI Extender via One SC Multimode Fiber Optic Cable

### User Manual



**ST-FOHD-SC50 Transmitter and Receiver**

## Introduction

The XTENDEX® HDMI Extender via Fiber Optic Cable locates an HDMI display up to 980 feet (300 meters) away from a video source using a simplex SC multimode fiber optic strand. Each extender consists of a transmitter that connects to a video source and a receiver that connects to a display.

- Signal transmission via single-strand multimode SC fiber optic cable – no RF interference.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200.
- Compact and durable design — allowing for easy connection and placement.
- HDMI features supported:
  - 36-bit Deep Color
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
  - Bandwidth up to 4.46 Gbps
- HDCP compliant.
- Supports the DDC2B protocol.
- Supports full 60fps video.
- No software to install.
- Cables can be installed in conduit prior to extender installation.

### Material Supplied with this kit:

ST-FOHD-SC50 Transmitter and Receiver Unit  
1- Power supply- In:100 to 240V, 50/60Hz ; Out: DC 5V, 2A or 3A  
URL Slip with Web location of this manual

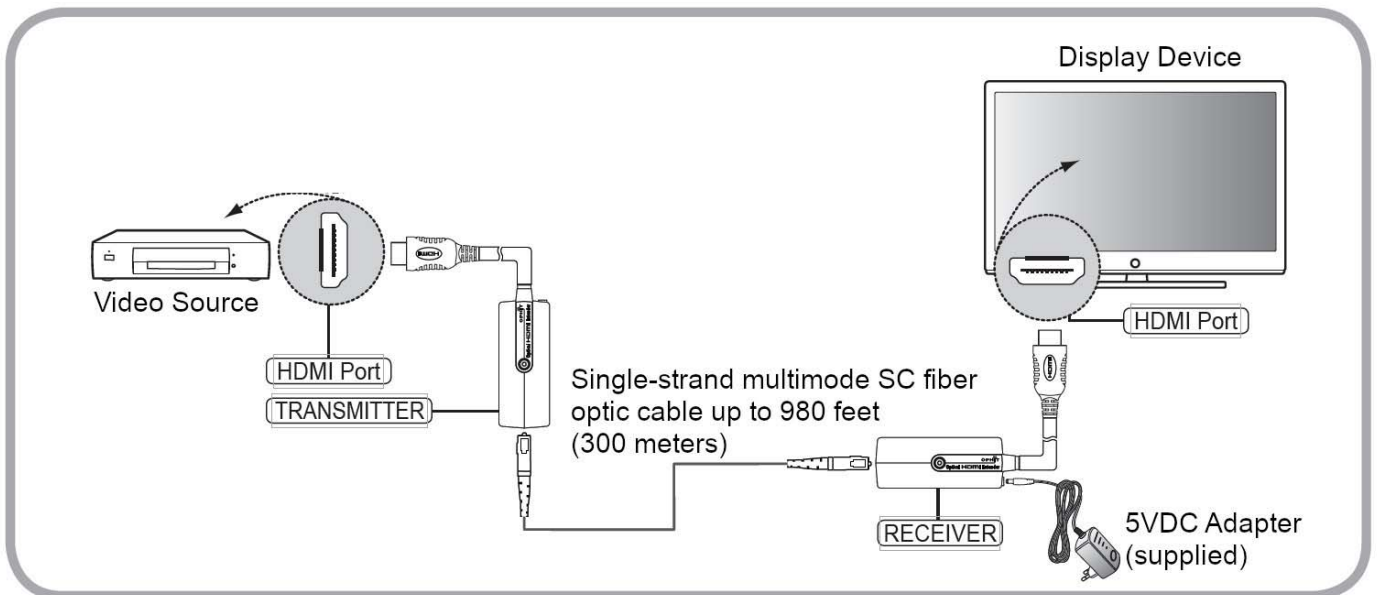
### Available Material sold separately:

Use a simplex SC multimode 50-micron fiber optic cable (FIBER-S-SCSC-50-xxM) or 62.5µm multimode (OM2 or better recommended) fiber optic cable to extend the Receiver from the Transmitter up to 980 feet (300 meters).

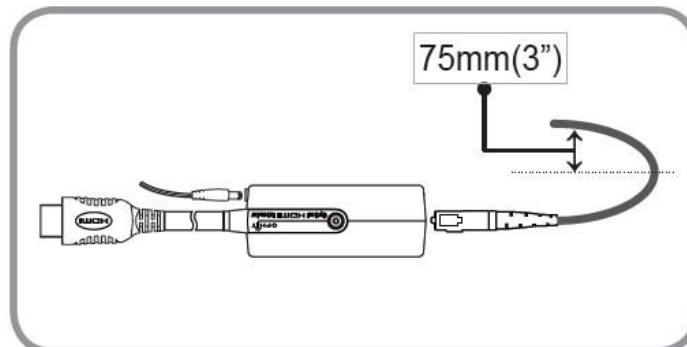
## Installation

This extender system is composed of two individual units, the Transmitter and the Receiver, interconnected by fiber optic cable. A simplex SC multimode 50-micron or 62.5µm (OM2 or better recommended) fiber optic cable is required for extension up to 980 feet (300 meters).

1. Connect the Transmitter to the HDMI port on the video source device.
2. Connect the Receiver to the HDMI port on the video display device.
3. Connect the multi-mode SC type 1 channel standard fiber optic cable from Transmitter to the Receiver.
4. Connect the included +5VDC power supply to the receiver.
5. The Green Power LED indicator on the Transmitter and Receiver will illuminate after all connections are complete.  
LED ON = Power is being supplied and signals are transferring between the Transmitter and Receiver  
LED Blinking = Power is being supplied but signals are not transferring between the Transmitter and Receiver. (Connections are not complete.)



**Note: The minimum bend radius of the fiber optic cable is 75mm (3")**



## Specifications

Transmitter and Receiver Connectors	<ul style="list-style-type: none"> <li>• One male HDMI connector for source/display.</li> <li>• One simplex SC fiber optic port for sending/receiving high-definition video/audio signals and DDC signal.</li> <li>• HDCP compliant.</li> <li>• Supports full 60fps video</li> </ul>
Supported Video Resolutions	Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 @ 60Hz up to 980 feet (300 meters)
EDID	Pass through
HDCP	Compliant
Operating Temperature	32 to 122°F (0° to 50°C )
Storage Temperature	-4 to 158°F (-20° to 70°C)
Humidity	20-80% Operating, 10-90% Storage Relative Humidity Non-condensing
Power -Local	Powered by attached video source
Power-Remote	<ul style="list-style-type: none"> <li>• Input: 100 to 240 VAC at 50 or 60Hz via AC adapter (US, UK, EU or AUS adapter included.)</li> <li>• Output: 5VDC, 2A or 3A</li> </ul>
Cables	<p>Use a simplex SC multimode 50-micron fiber optic cable (FIBER-S-SCSC-50-xxM) or 62.5µm multimode (OM2 or better recommended) fiber optic cable to extend the receiver from the transmitter up to 980 feet (300 meters).</p> <ul style="list-style-type: none"> <li>• Cables not included.</li> </ul>
Max Distance	980 feet (300 meters) over 50µm or 62.5µm multimode SC fiber optic cable.
Dimensions (Local and Remote) WxDxH	3.33x1.31x0.46 in (85x33x11 mm) with 8.5-inch (216-millimeter) male HDMI cable attached
Power Consumption	Transmitter: 1.3W (Max.), Receiver: 1.1W (Max.)
Eye Safety	CLASS 1 LASER PRODUCT-IEC60825-1:2007 (2nd Edition)
Approvals	CE, UL, FCC, TAA compliant