

# Technical Specifications

DVI-D VIDEO	
Format	DVI-D Single Link
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(4) DVI-D 29-pin (Female)
Output Interface (RX)	(4) DVI-D 29-pin (Female)
Resolution	Up to 1920 x 1200 @60Hz
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	EHCI (USB 2.0) and OHCI/UHCI (USB 1.1)
Input Interface (TX)	(1) USB Type B (Female)
Output Interface (RX)	(4) USB Type A (Female)
AUDIO	
Signal Type	Stereo Unbalanced
Input Interface (TX)	3.5 mm Jack Socket (Female)
Output Interface (RX)	3.5 mm Jack Socket (Female)
RS232	
Input Interface (TX)	DB9 (Female)
Input Interface (RX)	DB9 (Male)
Speed	Up to 115 Kbps
OPTICAL	
Fiber Type	Duplex, multi mode
Connector Type	Duplex LC
Wavelength	1310 nm/1550 nm (Dual wavelength)
Data Rate	2x2.5 Gbps (2.5 Gbps per single wavelength)
Transmission Power	-5 dB Min.
Receiver Sensitivity	-21 dB Max
Distance	500 m Max.
OTHER	
Power	Internal 100-240 VAC
Dimensions	17 in W x 1.75 in H x 7 in D
Weight	8 lbs.
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

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# Installation Manual

## SFX-4P



4-Port DVI-D, USB 2.0, Audio and RS232 Fiber Extender

## What's in the Box?

PART NO.	QTY	DESCRIPTION
SFX-4P-TX	1	4-Port DVI-D + USB2.0 + Audio + RS232 Extender Transmitter
SFX-4P-RX	1	4-Port DVI-D + USB2.0 + Audio + RS232 Extender Receiver
CCPWR06USA	2	6 ft. Power Cable



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## Introduction

The SFX-4P is a perfect solution for extending 4 DVI-D and USB 2.0 signals from a computer in a remote location up to 1,500 feet away. It supports high-resolution DVI-D video and all USB device types from high-speed web cams, hard drives, printers, scanners, audio devices, touch screens, digital cameras and game controllers. The SFX-4P is immune to electromagnetic interference, making it ideal for use in situations where there is considerable interference. The SFX-4P is also very secure because its fiber optic signals cannot be easily tapped.

## Features

- Top Signal Quality at Maximum Extension Over Multimode Fiber (1,500 ft.) Plug Type LC
- DVI-D Video Resolutions up to 1920 x 1200 WUXGA at 60Hz
- DDC Learning
- Supports USB 1.1 (12 Mbps) and USB 2.0 (480 Mbps) data rates
- Supports all USB device types transparently (no emulation) from high-speed web cams, hard drives, printers, scanners, audio devices, touch screens, game controllers and more Integrated Four-Port Hub in the receiver
- Compatible with all operating systems
- Extends Stereo Audio
- Extends RS-232
- Plug and play

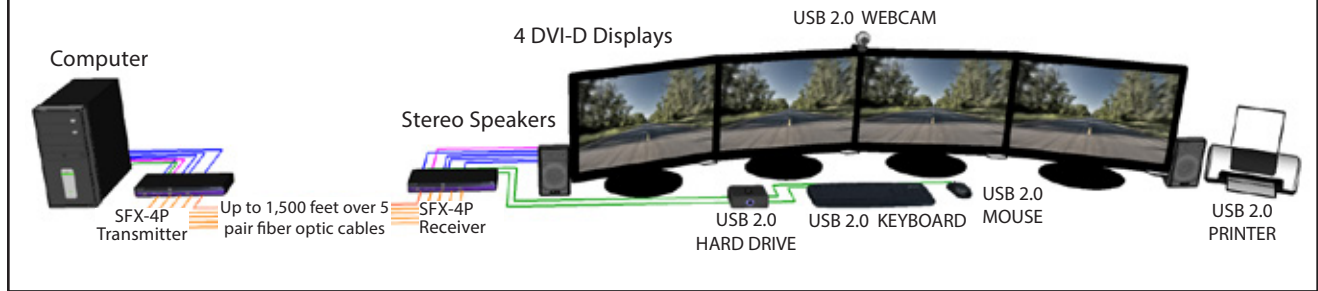
SFX-4P-TX Front



SFX-4P-TX Rear



## Product - Installation Diagram



## Connecting the SFX-4P

1. Connect up to 4 DVI-D displays to the DVI-D ports on the SFX-4P-RX (receiver).
2. Connect up to four USB 1.1 or 2.0 devices to the integrated 4-port USB hub on the SFX-4P-RX (receiver).
3. Connect speakers to the audio port on the SFX-4P-RX (receiver).
4. Connect RS232 devices to the RS232 port on the SFX-4P-RX (receiver).
5. Connect the power supply to the SFX-4P-RX (receiver).
6. Power on the displays, USB devices, speakers and RS232 devices.
7. Connect the SFX-4P-TX (transmitter) to the SFX-4P-RX (receiver) using 5 fiber optic cables up to 1,500 feet in length.
8. Connect up to 4 DVI-D sources (computer) to the DVI-D ports on the SFX-4P-TX (transmitter).
9. Connect the USB source (computer) to the USB port on the SFX-4P-TX (transmitter).
10. Connect an audio source (computer) to the Audio port on the SFX-4P-TX (transmitter).
11. Connect the RS232 source (computer) to the RS232 port on the SFX-4P-TX (transmitter).
12. Connect the power supply to the SFX-4P-TX (transmitter).
13. Power on the computer or source.

## Learning the DDC

1. Connect up to 4 DVI-D displays to the DVI-D ports on the SFX-4P-RX (receiver).
2. Power on the SFX-4P-RX (receiver).
3. Power on the displays.
4. Connect the SFX-4P-TX (transmitter) to the SFX-4P-RX (receiver) using 5 fiber optic cables up to 1,500 feet in length.
5. Power on the SFX-4P-TX (transmitter).
6. Wait 30 seconds until the VIDEO light on the SFX-4P-TX (transmitter) begins to blink.
7. The VIDEO light will continue to blink for approximately 10 seconds, then it will be steady for another 10 seconds.
8. The DDC has been learned.
9. Connect the video sources (computer) to the SFX-4P-TX and power them on.

SFX-4P-RX Front



SFX-4P-RX Rear

