

Technical Specifications

DVI-D VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	DVI-D 29-pin (Female)
Output Interface (RX)	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	External 100-240 VAC/5VDC4A @20W
Dimensions	8.5 in W x 1.85 in H x 5.375 in D
Weight	1.5 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

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What's in the Box?

PART NO.	QTY	DESCRIPTION
SFX-TX	1	DVI-D + USB2.0 + Audio + RS232 Extender Transmitter
SFX-RX	1	DVI-D + USB2.0 + Audio + RS232 Extender Receiver
PS5VDC4A	2	5 Volt 4 Amp Power Supply

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SMART AUDIO VIDEO INNOVATION

Installation Manual

SFX



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

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Introduction

The SFX is a perfect solution for extending 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 is immune to electromagnetic interference, making it ideal for use in situations where there is considerable interference. The SFX is also very secure because it's 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
- Automatic Learning DDC for Mac/PC
- 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

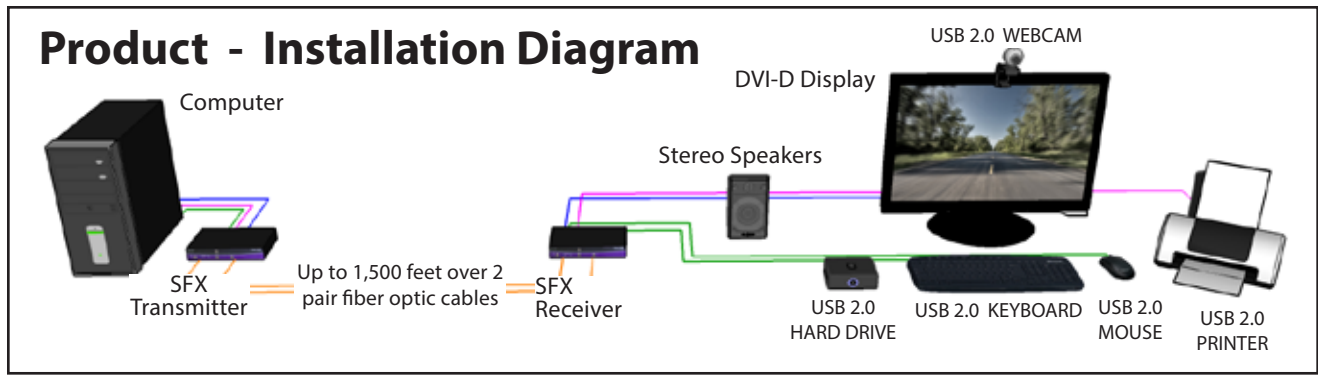
SFX-TX Front



SFX-TX Rear



Product - Installation Diagram



Connecting the SFX

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

Learning the DDC

1. Connect a DVI-D display to the DVI-D port on the SFX-RX (receiver).
2. Connect the power supply to the SFX-RX (receiver).
3. Power on the display.
4. Connect the SFX-TX (transmitter) to the SFX-RX (receiver) using 2 fiber optic cables up to 1,500 feet in length.
5. Connect the power supply to the SFX-TX (transmitter).
6. Wait 30 seconds until the VIDEO light on the SFX-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 source (computer) to the SFX-TX and power it on.

SFX-RX Front



SFX-RX Rear

