TECHNICAL SPECIFICATION

VIDEO

Format	DVI-D Single Line
Maximum pixel clock	165 MHz
Input interface (TX)	(1) DVI-D 29-pin female
Output interface (RX)	(1) DVI-D 29-pin female
Resolution	Up to 1920 x 1200 @ 60 Hz
DDC	5 volts p-p (TTL)
Input equalization	Automatic
Input cable length	Up to 20 ft
Output cable length	Up to 20 ft

RS-232

Input interface (TX)	(1) DB9 (Female)
Output interface (RX)	(1) DB9 (Female)
Speed	Up to 115 Kbps

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 audio
Bandwidth	15 MHz, 0 dB
Impedance	10 kOhm
Connector	3.5 mm stereo mini female

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 Supply	External 100-240 VAC/5VDC4A @ 20 W
Dimensions	8.5" W x 1.85" H x 5.4" D
Weight	1.5 lbs
Operating temp.	32-131 °F (0-55 °C)
Storage temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 95% (non-condensing)

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
SFX-M-S	1	DVI-D, Audio, USB and RS-232 Multimode Fiber Extender.
PS5VD4A	2	PS5VD4A Power Supply
Quick Start Guide	1	

NOTICE

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DESIGNED AND MADE IN THE USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

SFX

DVI-D & USB 2.0 Fiber Extender

DVI-D, STEREO AUDIO, USB 2.0/1.1, RS-232 MULTIMODE FIBER EXTENDER UP TO 1,500 FT

Quick Start Guide

ABOUT SFX

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.
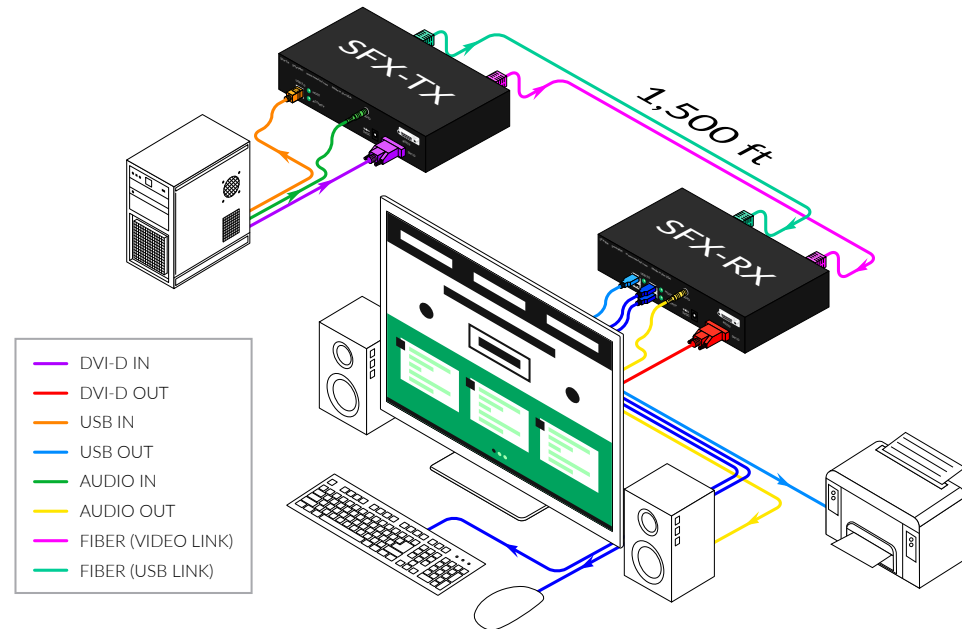
The SFX is immune to electromagnetic interference, making it ideal for use in situations where there is considerable interference. The SFX is also very secure because it's fiber optic signals cannot be easily tapped.

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 60 Hz
- 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

HARDWARE INSTALLATION

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.
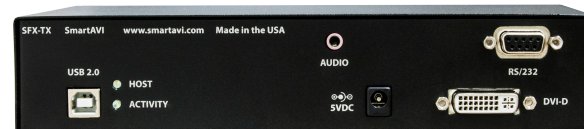12. Power on the computer, display, USB devices, speakers and RS232 devices.

- DVI-D IN
- DVI-D OUT
- USB IN
- USB OUT
- AUDIO IN
- AUDIO OUT
- FIBER (VIDEO LINK)
- FIBER (USB LINK)

SFX-TX FRONT

SFX-RX FRONT

SFX-TX BACK

SFX-RX BACK