Technical Specifications

SPECIFICATIONS FDX-AV
Systems: Windows 2000, XP and 2003 and Linux
Video Interface DVI-D female Single link Resolution: 1920 x 1200 @ 60 Hz DDC internal table can be reprogrammed
Audio Signal Type Stereo Audio Bandwidth 15MHz, 0dB Impedance 100 Ohm Connector 3.5mm mini jack, Female
RS232 RS232 Data up to 57,600 DB9 Support TXD, RXD, GND
Dimensions (Inches)
Power Supply   110/240 -5VDC-3A
Fiber • 700 ft. @ Multimode 62,5µ • 1,400 ft @ Multimode 50µ Fibre-Plug type SC
Compatible with all operating systems
Rack Mount options (19"): available

ORDER INFO	
Model	**Description**
FDX-AV	Point to point DVI-D, Stereo Audio and RS-232 fiber esxtender. Includes: [FDX-TXAV, FDX-RXAV, 2 x (PS5V3A)]

Smart-AVI

m_fdx-AV-110409

Smart-AVI
Smart Audio Video Integration

User Manual

FDX-AV

The FDX-AV is a Powerful Fiber Optic Digital Signage and Multimedia Signal Extender that Transmits Stereo Audio, DVI-D and RS-232 Data up to 1,400 Feet

www.smartavi.com

Introduction

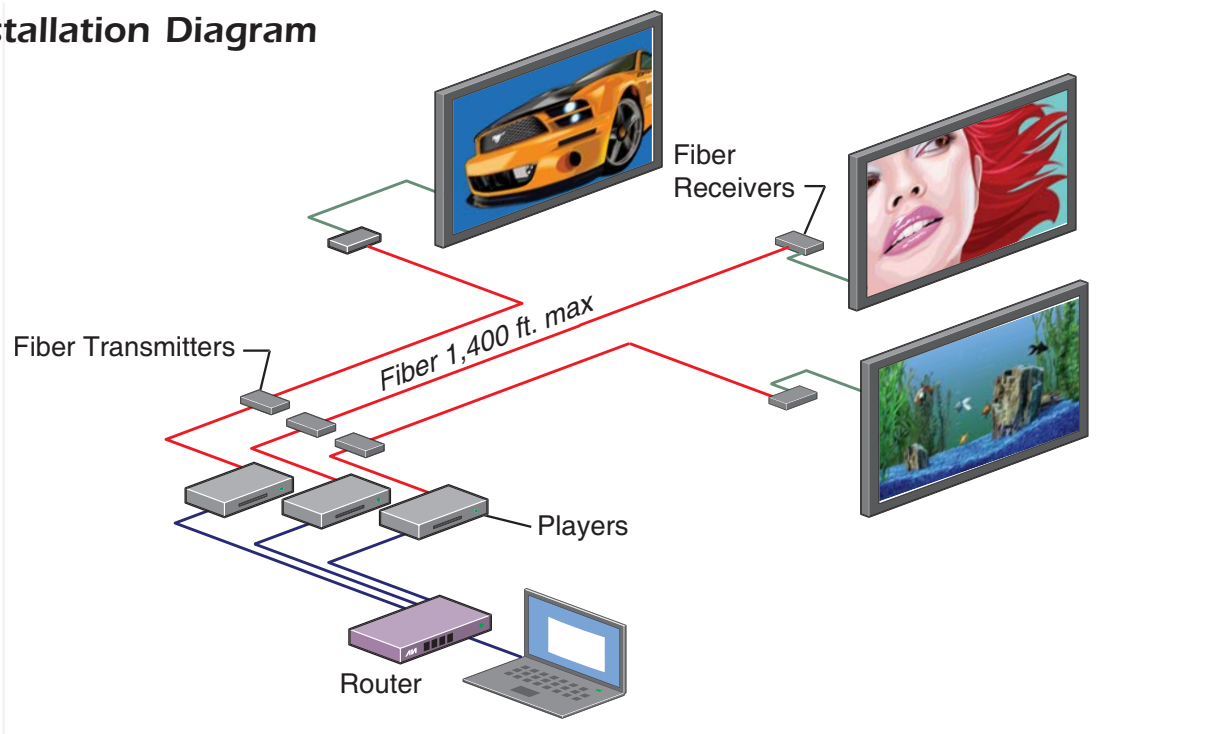The FDX-AV extends any DVI-D signal and audio up to 1400 feet with fiber cable.

Features

- Top Signal Quality at Maximum Extension Over Multimode Fiber (1,400 ft.)
- Superior Image Quality at all Resolutions
- Video Resolutions up to 1920 x 1200 at 60Hz (1280 x 1024 at 75Hz)
- Customizable/Programmable DDC Table
- Supports Stereo Audio
- Supports DVI-D
- Supports RS-232 Control from 300bps to 19,200bps
- Fiber Plug Type LC
- Compatible With all Operating Systems
- Compact Metal Casing

Installation Diagram

Fiber Receivers

Fiber Transmitters

Fiber 1,400 ft. max

Players

Router

Applications

- **Sharing:** Enables easy access to one server from location.
- **Security:** Safeguards the servers by storing them in a secure and climate controlled environment.
- **Savings:** Saves equipment costs, physical space and utilities.
- **Productivity:** Increases productivity by facilitating testing and performance evaluation of software and equipment, on multiple servers.
- **Multimedia:** Can be used in multimedia presentations where the presentation information is broadcast to various KNM's.

Installation

1. Before installing any SmartAvi products, verify that the computer's DVI, and sound all work properly when connected directly.

2. Power off computer and monitor.

3. Using compatible cables, connect the DVI, sound from the PC to the FDX-TXAV.

4. Connect and run 2 SC fiber from the FDX-TXAV to the FDX-RXAV's location.

5. Plug in the DVI monitor and sound to the FDX-RXAV.

6. Connect the power supplies to the transmitter and receiver.

7. Turn on the computer and monitor.

Installing and preparing the Fiber

1. Fiber used, SC type
2. 62.5μ fiber optic cable , 800 ft.
3. 1400μ fiber optic cable, 1,400 ft SC Fiber