

What's in the Box?

PART NO.	QTY	DESCRIPTION
FDX-TX2500	1	FDX-2500 Transmitter Unit - DVI-D, Stereo Audio, PS/2 Keyboard/Mouse and RS-232 Extender over Fiber Optic Cable
FDX-RX2500	1	FDX-2500 Receiver Unit - DVI-D, Stereo Audio, PS/2 Keyboard/Mouse and RS-232 Extender over Fiber Optic Cable
Power Supply	2	PS5VDC4A

Technical Specifications

VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface	(1) DVI-D 29-pin female
Output Interface	(1) DVI-D 29-pin female
Resolution	Up to 1920 x 1200 @60Hz
DDC	Internal
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
AUDIO	
Frequency Response	20 Hz to 20 KHz
Impedance	600 ohm
Nominal Level	0-1.0 V
Common Mode	Rejection at 60dB
Input Interface	(1) 3.5 mm Stereo Audio
Output Interface	(1) 3.5 mm Stereo Audio
PS/2	
Signaling	PS/2 Keyboard and Mouse ONLY
Input Interface	(2) PS/2 Female
Output Interface	(2) PS/2 Female
OTHER	
Power	External 100-240 VAC/5VDC4A
Dimensions	4.5"W x 5.375"H x 1.75"D
Weight	1 lb.
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131°F (0-55 °C)
Storage Temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 95%
RS-232	Data up to 115,000 bps

© Copyright 2011 Smart-AVI, All Rights Reserved

NOTICE

The information contained in this document is subject to change without notice. Smart-AVI makes no warranty of any kind with regard to this material, including but not limited to, implied warranties of merchantability and fitness for any particular purpose.

Smart-AVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material.

No part of this document may be photocopied, reproduced or translated into another language without prior written consent from Smart-AVI.

For more information, visit www.smartavi.com.

Why Fiber Optic?

SmartAVI has created a full line of fiber optic extender products, understanding that this technology is superior to traditional cabling.

Fiber optic cables are:

- capable of transmitting over very long distances with no signal loss.
- immune to electromagnetic interference. In situations where there is considerable interference, fiber optic cabling is the only solution.
- much more secure because they cannot be easily tapped. For this reason, military and law enforcement agencies use fiber optic cables for the transmission of sensitive data.
- relatively inexpensive and small enough to be routed through small spaces.

Smart-AVI
SMART AUDIO VIDEO INNOVATION

Quick Start Guide

FDX-2500

DVI-D Video, Stereo Audio, PS/2 Keyboard/Mouse and RS-232 Extender over Fiber Optic Cable



The FDX-2500 consists of a transmitter and receiver that extend KVM, DVI-D, audio and RS-232 signals. It is a professional quality KVM capable of extending signals up to 15 kilometers over a single singlemode fiber optic cable.

Smart-AVI
SMART AUDIO VIDEO INNOVATION

SmartAVI, Inc. / Twitter: smartavi
11651 Vanowen St., North Hollywood, CA 91605
Tel: (818) 503-6200 Fax: (818) 503-6208
<http://www.SmartAVI.com>

www.smartavi.com

Introduction

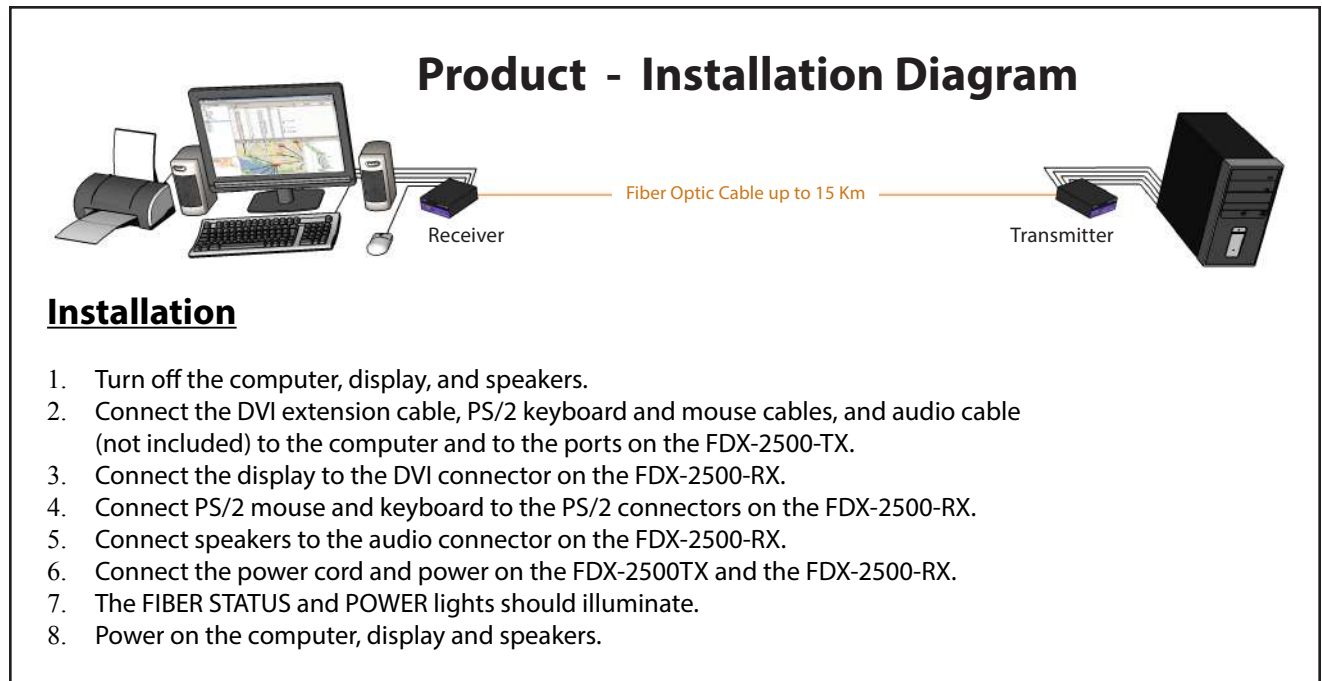
The FDX-2500 consists of a transmitter and receiver that extend KVM, DVI-D, audio and RS-232 signals. It is a professional quality KVM capable of extending signals up to 15 kilometers over a single singlemode fiber optic cable.

Features

- Top Signal Quality at Maximum Extension Over Singlemode Fiber (15 Km)
- 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 PS/2 Keyboard/Mouse
- Supports Stereo Audio
- Supports DVI-D
- Supports RS-232 Control from 300bps to 115,000bps
- Supports all PS/2 Keyboards
- Fiber Plug Type LC
- Compatible With all Operating Systems
- Compatible With all Major KVM Switches
- Compact Metal Casing

Applications

- Corporate or Educational Presentations
- Financial (Remote Servers/User Control)
- Call Centers
- Industrial (Long-Range Workstation Isolation)
- Information Terminals/Kiosks
- Airport Installations (Air Traffic Control/Passenger Information)
- KVM Extension where Exceptional Quality of Signal is Crucial
- Medical (Remote Operation Away from Sensitive/Magnetic Equipment)
- Recording (for Large Studios where Editing/Mixing Stations are Compact and/or Require Complete Silence)



FDX-2500 Receiver Front



FDX-2500 Receiver Rear



Learning the DDC

1. Plug in the fiber connection.
2. **DO NOT** connect the computer to the transmitter.
3. Power on the transmitter and receiver.
4. Verify the FIBER STATUS and POWER lights are illuminated.
5. Power off the transmitter and receiver.
6. Power on the display and plug it into the receiver.
7. Power on the receiver.
8. Power on the transmitter and wait for approximately 30 seconds. The VIDEO light on the transmitter will blink on and off for approximately 10 seconds indicating the DDC has been learned.
9. Plug the computer into the transmitter and power it on.

ABOUT DDC

DDC provides plug-and-play capability to your displays. When you plug a display into your computer, the DDC table in the display tells the computer the optimal resolution to use. In order to preserve this plug-and-play capability, we have integrated DDC learning into all of our DVI Solutions.