

Technical Specifications

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QUICK START GUIDE

DVX Plus



DVI-D and USB extension via Twisted Pair

www.smartavi.com

DVX PLUS SPECIFICATIONS	
Video Interface	Single Link Range
Video Data Rate	1.65 Gbps
Resolution	1920 x 1200 @ 60 Hz, Resolution up to 1280 x 1024 min. 75H
Power Supply	Universal Switch mode PSU (90-240V Input) 5VDC 2A
Input Interface	DVI-D
USB Data	
USB max data rate	12Mbps
USB compatibility	1.0 and 1.1
Connector Type	Type A (Transmitter) Type B (Receiver)

Notice

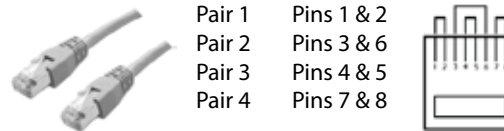
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The following is the wiring standard for terminating UTP/STP cable using RJ-45 connector:



Connectors: RJ-45
Capacitance: 14 pf/ft (46.2 pf/m)
Conductor Gauge: 24 AWG
Impedance: 100 +/- 15 ohms



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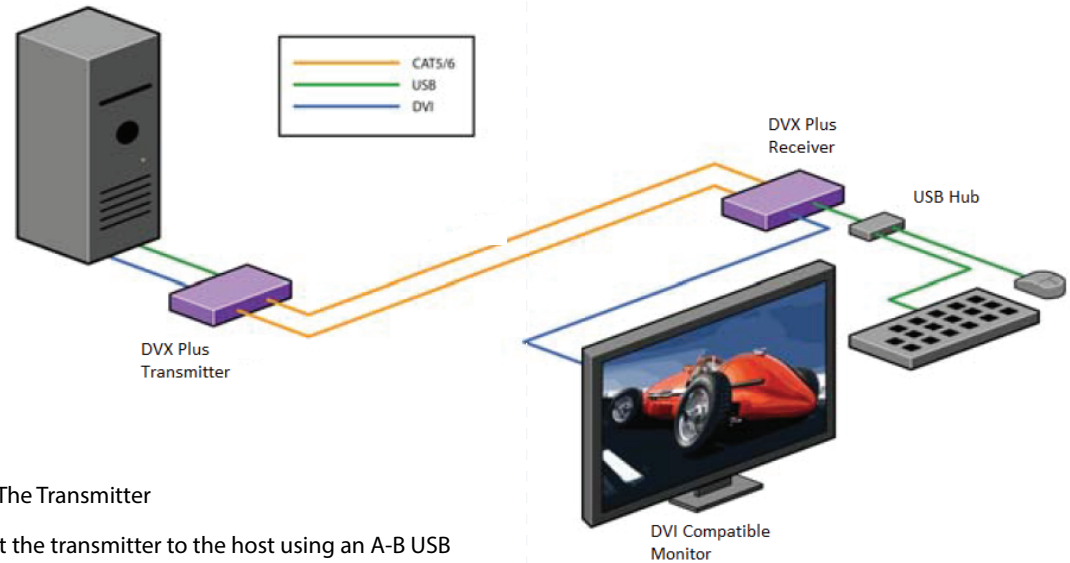
Introduction

DVX Plus extends Universal Serial Bus (USB 1.1) and Digital Visual Interface (DVI-D) signals via common twisted pair cable. Using a unique method of transparent data transfer, the system allows a USB peripheral and a DVI display to be located up to 225 feet from the CPU.

Features

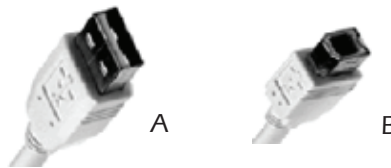
- Extends USB and DVI-D signals up to 225ft from the computer.
- Uses easy to install, inexpensive twisted pair cable.
- Data recovery for digital video.
- Supports 1920x1200 digital video resolution.
- Fully compliant with USB 1.1 specifications.
- Supports 1.5 and 12 Mbps data rates.
- Compatible with all operating systems.
- External power adapter for transmitter and receiver unit.
- Fully transparent (does not use any emulation).
- Plug and play.

Installation Diagram



Connecting The Transmitter

1. Connect the transmitter to the host using an A-B USB cable.
2. Connect the transmitter to the host DVI-D using male to male DVI cable.
3. The A side of the USB connector would go to the computer host and the B side would be connected to the transmitter.
4. Check that power LED is lit. The TX/RX LED should not be flashing at this time.
5. In the back of the unit connect the CAT5 cable that will connect to the receiver (DVXU-RX).



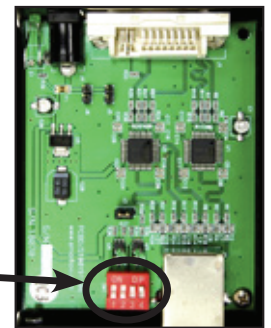
Connecting The Receiver

1. Connect the receiver to the peripheral device using A-B USB cable. In this case the A side of the connector will go to the receiver unit and the B side of the connector will go to the peripheral. Use a USB Hub if needed.
2. Connect the receiver unit to the monitor.
3. Join the DVX Plus units using shielded cable for DVI-D and standard CAT6 STP cable for USB. Once connected check that the Power LED on both receiver and transmitter is on and the **RX LED goes OFF**, indicating that communication exists between the two units. If receiver LED is not on, make sure the power supply is connected.

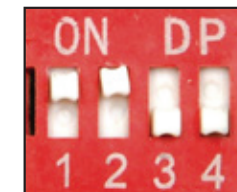
Setting the DDC

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. This device is capable of supporting two primary types of displays: PC and Mac. The default setting is PC.

To change this setting, first remove the top cover from the TRANSMITTER by removing the four side screws. Next, locate the DIP switches near the rear of the device next to the Data Port (RJ45 Ethernet Port).

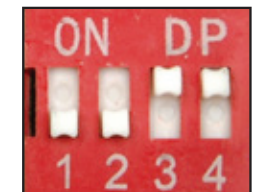


For PC, configure the switches as shown below:



1&2 ON, 3&4 OFF

For Mac, configure the switches as shown below:



1&2 OFF, 3&4 ON

DVX Plus Package Contents

Qty	Items	Part No.
1	DVX Plus Transmitter unit	DVXU-TX
1	DVX Plus Receiver unit	DVXU-RX
2	5 volt dc power supply	PS5VDC2A