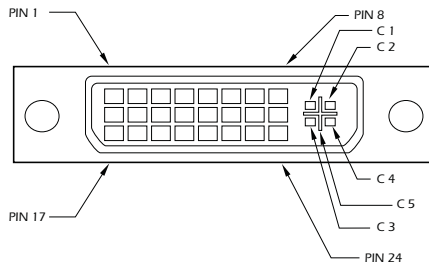## Specifications

DVI	
Video Interface	DVI-D
Resolution	1920 x 1200@60Hz, Resolution up to 1280 x 1024 min. 75Hz
Input Interface	DVI-D (Single-Link)
Upgradeable	Onboard Flash
USB	
CAT6 (STP)	Maximum Range 220ft
USB Data	Data Rate of 12Mbps Compatable with USB version 1.1
USB Connectors	USB-TX-DVX-2P, Type A USB-TX-DVX-2P, Type B
RS232 and Audio	
RS232	(TX-DB9Female) (RX-DB9Male)
CAT6	STP CAT6
Protocol	Full duplex, transparent to all baud rate
Audio	Signal Type Stero Audio Bandwidth 15MHz.0db Impedance 100 Ohm Connector 3.5 mini jack,
Power	110/120V - 5VDC - 5A
Dimension (inches)	10.81" (L) x 3.38" (W) x 1.06" (H)
Weight (lbs)	2lb

Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock -
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	5VDC 1.6A	C4	Analog Horz Sync
15	GND	C5	Analog Ground

Smart-AVI

Smart-AVI
SMART AUDIO VIDEO INNOVATION
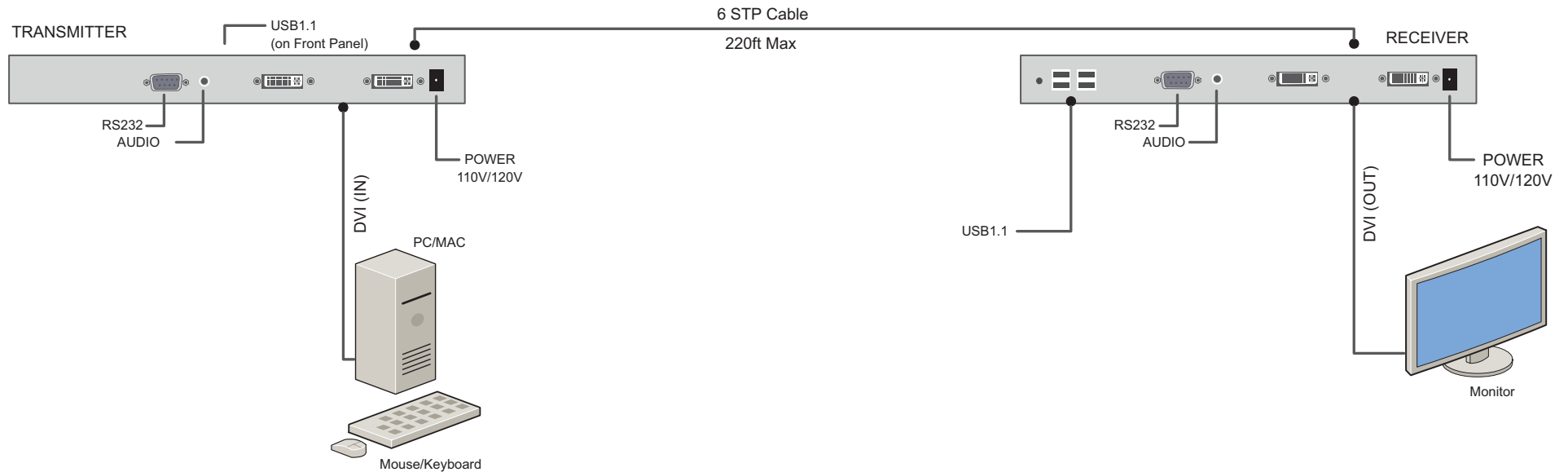
User Manual

Touchboards
205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

DVX-2P

Extend 2 DVI-D, RS232, Stero Audio and USB1.1 using a Single Enclosure

Connection Diagram

TRANSMITTER

USB1.1
(on Front Panel)

6 STP Cable

220ft Max

RECEIVER

RS232

AUDIO

POWER
110V/120V

DVI (IN)

PC/MAC

Mouse/Keyboard

RS232

AUDIO

USB1.1

DVI (OUT)

POWER
110V/120V

Monitor

Connecting the DVI

1. Turn off computer and monitor.
2. Connect DVI male to male cable between the computer and the transmitter.
3. Connect monitor or projector to the DVI port on the receiver.
4. Connect a shielded Cat 6 STP cable between port 1 on the transmitter and port 1 on the receiver.
5. Repeat for 2 other ports.

Connecting the USB In/Out

1. Connect the transmitter to the host using the A-B USB cable (included with the unit).
2. The A side of the connector would go to the computer host and the B side would be connected to the transmitter.
3. Connect the receiver to the peripheral.
4. Connect the CAT6 STP Cable.

Note: *The receiver provides remote power up to 500 mA to the connected peripherals. This power comes from the host computer and is passed by the transmitter to the receiver. In some applications, and external power supply is required. SmartAVI can provide a power supply for such cases with the receiver and transmitter units.*
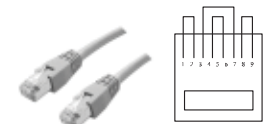
A

B

Connecting the Audio and RS232

1. Connect an RS232 cable and/or audio cable to the souce unit.
2. Connect the Audio using 3.5mm cable at the transmitter
3. Connect the Speaker/s. at the Receiver.
4. Connect the last CAT6 STP Cable.

Preparing & Connecting System CAT5 Cable
Following is the wiring standard for terminating CAT 5 cable using RJ-45 connector:

Pair 1   Pins 1 & 2
Pair 2   Pins 3 & 6
Pair 3   Pins 4 & 5
Pair 4   Pins 7 & 8

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

Connecting the TX/RX

1. Connect DVI, USB (In/Out) and Audio/RS232 as outlined.
2. Connect Power Supply (5VDC - 5A).
3. Turn on TX and RX.