SDX SERIES

EXTEND DVI-D, RS232, STEREO AUDIO & USB

USER MANUAL

SDX-2P	Dual DVI-D, USB K/M, Audio and Dual RS-232 Extender
SDX-4P	Quad DVI-D, USB K/M, Audio and Dual RS-232 Extender
SDX-PLUS	Single DVI-D, USB K/M and RS-232 Extender

Designed and Manufactured in the USA

Smart-AVI

1-800-284-2131
www.smartavi.com

OVERVIEW

TECHNICAL SPECIFICATIONS

VIDEO		
Format	DVI-D Single Link	
Max. Pixel Clock	165 MHz	
Input Interface (TX)	SDX-2P	(2) DVI-D (Single-Link)
	SDX-4P	(4) DVI-D (Single-Link)
	SDX-PLUS	(1) DVI-D (Single-Link)
Output Interface (RX)	SDX-2P	(2) DVI-D (Single-Link)
	SDX-4P	(4) DVI-D (Single-Link)
	SDX-PLUS	(1) DVI-D (Single-Link)
Resolution	Up to 1920 x 1200 @ 60 Hz	
DDC	5 volts p-p (TTL)	
Input Equalization	Automatic	
Input/Output Cable Length	Up to 20 ft	
AUDIO		
Signal Type	Stereo	
Bandwidth	15MHz, 0dB	
Impedance	100 Ohm	
Connector	3.5 mini jack (female)	
USB		
Signal Type	OHCI/UHCI (USB1.1)	
Input Interface (TX)	(1) USB Type-B (female)	
Output Interface (RX)	(2) USB Type-B (female)	
RS232		
Input Interface (TX)	DB9 (female)	
Output Interface (RX)	DB9 (female)	
Speed	@ 115 Kbps	
OTHER		
Approvals	UL, CE, ROHS Compliant	
Operating Temperature	32-131°F (0-55 °C)	
Storage Temperature	-4-185 °F (-20-85 °C)	
Humidity	Up to 95%	

WHAT'S IN THE BOX?

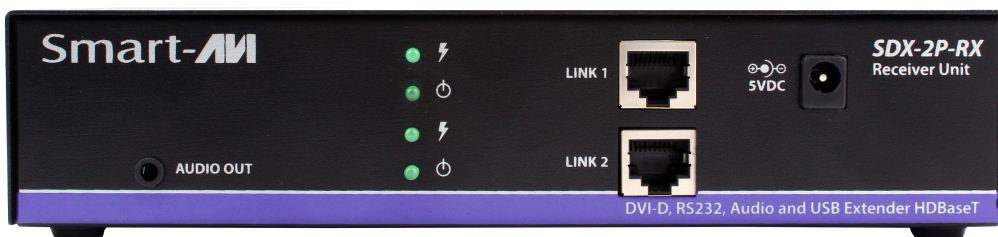| PART NO.	Q-TY	DESCRIPTION
SDX-TX Unit	1	1/2/4 Port DVI-D, USB 1.1, Audio and RS-232 Transmitter
SDX-RX Unit	1	1/2/4 Port DVI-D, USB 1.1, Audio and RS-232 Receiver
PS5VD2A	2	PS5VD2A Power Supply
User Manual	1	

SDX-2P-TX REAR


SDX-2P-TX FRONT
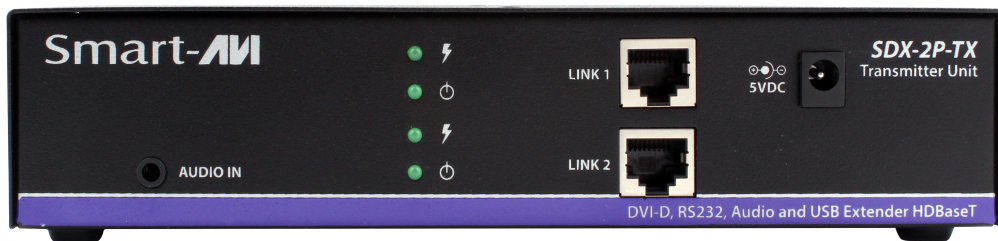
# SDX-2P-RX REAR

SDX-2P-RX FRONT

INSTALLATION

1. Power off all devices.
2. Connect two DVI-D sources (computer) to the two DVI-D ports on the back of the SDX-TX2P.
3. Connect a USB source (computer) to the USB port on the SDX-TX2P.
4. Optionally connect RS-232 and IR for control functions.
5. Connect the SDX-TX2P to the SDX-RX2P with two CAT5 UTP (Unshielded Twisted Pair) cables.
6. Connect a DVI-D compatible display to each of the two DVI-D ports on the back of the SDX-RX2P.
7. Connect USB keyboard and mouse to the USB ports on the SDX-RX2P.
8. Optionally connect RS-232 and IR for control functions.
9. Connect the power to the SDX-RX2P and the SDX-TX2P.
10. Power on the display and then the computer
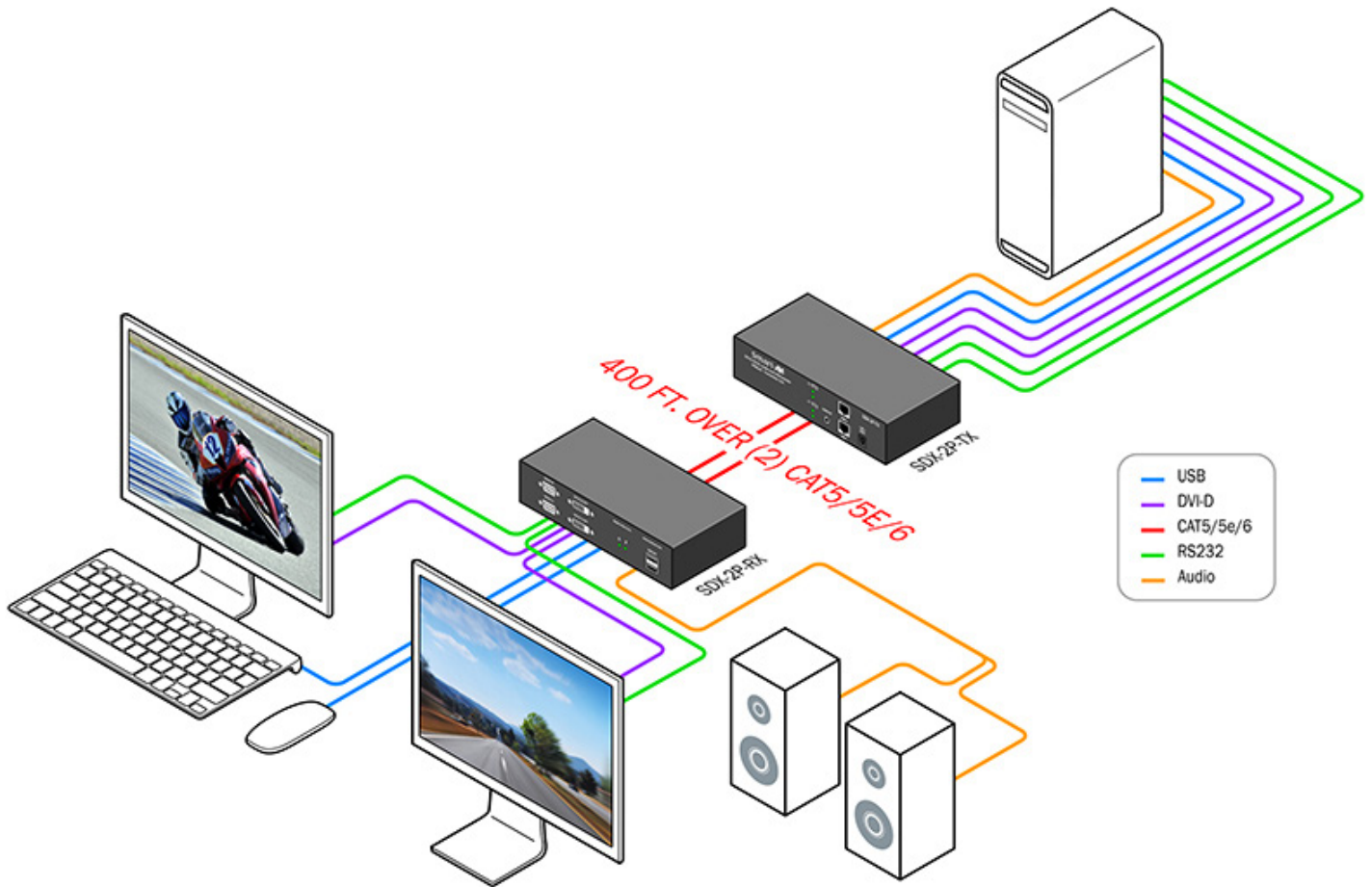
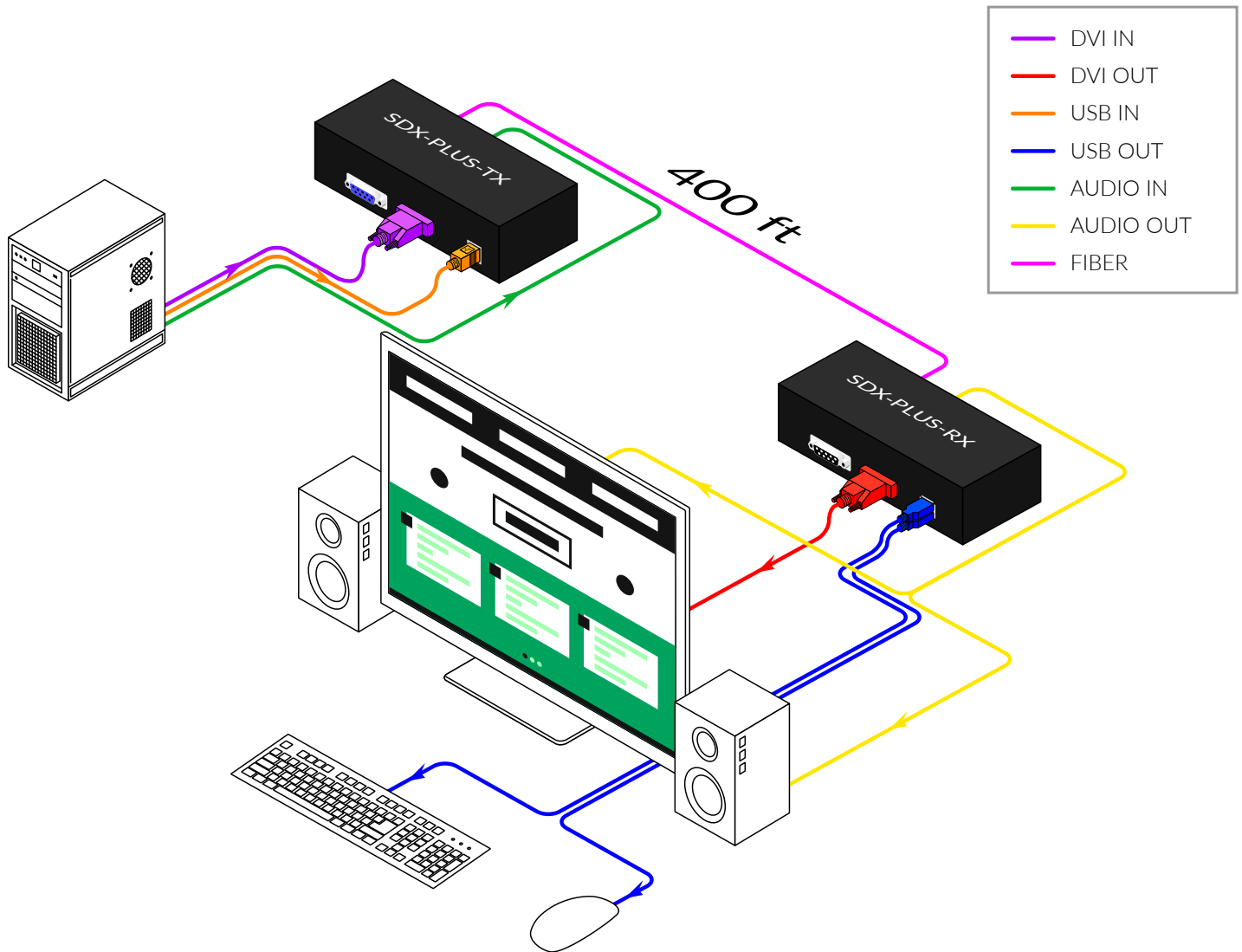| PART NO.	DESCRIPTION
SDX-2P-S	2 Port DVI-D, USB 1.1, Audio and RS-232 Extender. Includes: [SDX-2P-TX-S, SDX-2P-RX-S, PS5VD2A-WLLMNT]
SDX-2P-TX-S	2 Port DVI-D, USB 1.1, Audio and RS-232 Transmitter. Includes: [SDX-2P-TX-S, PS5VD2A-WLLMNT]
SDX-2P-RX-S	2 Port DVI-D, USB 1.1, Audio and RS-232 Receiver. Includes: [SDX-2P-RX-S, PS5VD2A-WLLMNT]

INSTALLATION (CONTINUE)

1. Power off all devices.
2. Connect four DVI-D sources (computer) to the four DVI-D ports on the back of the SDX-TX4P.
3. Connect a USB source (computer) to the USB port on the SDX-TX4P.
4. Optionally connect RS-232 and IR for control functions.
5. Connect the SDX-TX4P to the SDX-RX4P with twoCAT5 UTP (Unshielded Twisted Pair) cables.
6. Connect a DVI-D compatible display to each of the two DVI-D ports on the back of the SDX-RX4P.
7. Connect USB keyboard and mouse to the USB ports on the SDX-RX4P.
8. Optionally connect RS-232 and IR for control functions.
9. Connect the power to the SDX-RX4P and the SDX-TX4P.
10. Power on the display and then the computer
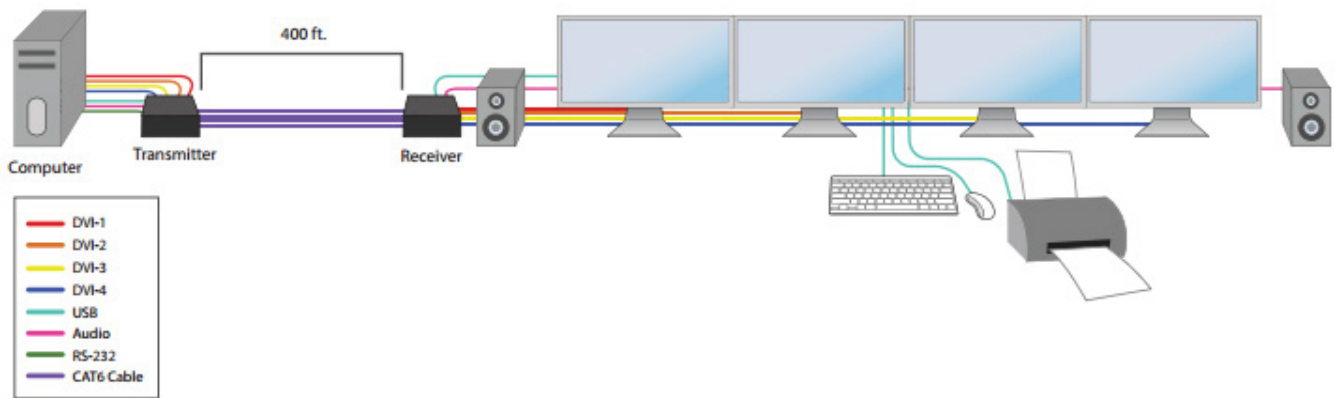
PART NO.	DESCRIPTION
SDX-4P-S	4 Port DVI-D, USB 1.1, Audio and RS-232 Extender. Includes: [SDX-4P-TX-S, SDX-4P-RX-S, PS5VD2A-WLLMNT]
SDX-4P-TX-S	4 Port DVI-D, USB 1.1, Audio and RS-232 Transmitter. Includes: [SDX-4P-TX-S, PS5VD2A-WLLMNT]
SDX-4P-RX-S	4 Port DVI-D, USB 1.1, Audio and RS-232 Receiver. Includes: [SDX-4P-RX-S, PS5VD2A-WLLMNT]

INSTALLATION (CONTINUE)

1. Power off all devices.
2. Connect a DVI-D source (computer) to the DVI-D port on the SDX-Plus-TX.
3. Connect a USB source (computer) to the USB port on the SDX-Plus-TX.
4. Optionally connect RS-232 and IR for control functions.
5. Connect the SDX-Plus-TX to the the the SDX-Plus-RX with one CAT5 UTP (Unsheilded Twisted Pair) cable.
6. Connect a DVI-D compatible display to the DVI-D port on the rear of the SDX-Plus-RX.
7. Connect USB keyboard and mouse to the USB ports on the SDX-Plus-RX.
8. Optionally connect RS-232 and IR for control functions.
9. Connect the power to the SDX-Plus-RX and the SDX-Plus-TX.
10. Power on the display and then the computer.

PART NO.	DESCRIPTION
SDX-PLUS-S	DVI-D and USB 1.1 Extender. Includes: [SDX-PLUS-TX-S, SDX-PLUS-RX-S, PS5VD2A-WLLMNT]
SDX-PLUS-TX-S	DVI-D and USB 1.1 Transmitter. Includes: [SDX-PLUS-TX-S, PS5VD2A-WLLMNT]
SDX-PLUS-RX-S	DVI-D and USB 1.1 Receiver. Includes: [SDX-PLUS-RX-S, PS5VD2A-WLLMNT]

TROUBLESHOOTING

No Power
- Make sure that the power adapter is securely connected to the power connector of the unit.
- Check the output voltage of the power supply and make sure that the voltage value is around 12VDC.
- Replace the power supply.

No Video
- Check if all the video cables are connected properly.
- Connect the computer directly to the monitor to verify that your monitor and computer are functioning properly.
- Restart the computers.

Keyboard is not working
- Check if the keyboard is properly connected to the unit.
- Check if the USB cables connecting the unit and the computers are properly connected.
- Try connecting the USB on the computer to a different port.
- Make sure that the keyboard works when directly connected to the computer.
- Replace the keyboard.

Mouse is not working
- Check if the mouse is properly connected to the unit.
- Try connecting the USB on the computer to a different port.
- Make sure that the mouse works when directly connected to the computer.
- Replace the mouse.

No Audio
- Check if all the audio cables are connected properly.
- Connect the speakers directly to the computer to verify that the speakers and the computer audio are functioning properly.
- Check the audio settings of the computer and verify that the audio output is through the speakers.

TECHNICAL SUPPORT

For product inquiries, warranty questions, or technical questions, please contact info@smartavi.com.

LIMITED WARRANTY STATEMENT

A. Extent of limited warranty
SmartAVI, Inc. warrants to the end-user customers that the SmartAVI product specified above will be free from defects in materials and workmanship for the duration of 1 year, which duration begins on the date of purchase by the customer. Customer is responsible for maintaining proof of date of purchase.

SmartAVI limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:
      a. Improper or inadequate maintenance or modifications
      b. Operations outside product specifications
      c. Mechanical abuse and exposure to severe conditions

If SmartAVI receives, during applicable warranty period, a notice of defect, SmartAVI will at its discretion replace or repair defective product. If SmartAVI is unable to replace or repair defective product covered by the SmartAVI warranty within reasonable period of time, SmartAVI shall refund the cost of the product.

SmartAVI shall have no obligation to repair, replace or refund unit until customer returns defective product to SmartAVI.

Any replacement product could be new or like new, provided that it has functionality at least equal to that of the product being replaced.

SmartAVI limited warranty is valid in any country where the covered product is distributed by SmartAVI.

B. Limitations of warranty
To the extant allowed by local law, neither SmartAVI nor its third party suppliers make any other warranty or condition of any kind whether expressed or implied with respect to the SmartAVI product, and specifically disclaim implied warranties or conditions of merchantability, satisfactory quality, and fitness for a particular purpose.

C. Limitations of liability
To the extent allowed by local law the remedies provided in this warranty statement are the customers sole and exclusive remedies.

To the extant allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event will SmartAVI or its third party suppliers be liable for direct, indirect, special, incidental, or consequential damages whether based on contract, tort or any other legal theory and whether advised of the possibility of such damages.

D. Local law
To the extent that this warranty statement is inconsistent with local law, this warranty statement shall be considered modified to be consistent with such law.

Smart-AVI

SMART AUDIO VIDEO INNOVATION

NOTICE

20180109

Designed and Manufactured in the USA

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