

DFX-XT-2P

DUAL HEAD 4K DISPLAYPORT WITH AUDIO AND USB 2.0 KVM EXTENDER



USER MANUAL



Designed and Manufactured in the USA

Smart-AVI

1-888-994-7427
www.smartavi.com

OVERVIEW

TECHNICAL SPECIFICATIONS	3
WHAT'S IN THE BOX?	4
FRONT AND BACK	4
INSTALLATION	5
TROUBLESHOOTING	6
TECHNICAL SUPPORT	6
LIMITED WARRANTY STATEMENT	7

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DisplayPort 1.2
Video Resolution	Resolution: high definition 3840 x 2160 @ 30Hz Color Depth: 10-bit color depth Latency: less than 4 ms
Video Bandwidth	21.6 Gbps
Input Interface	(2) DP 20-pin (female)
Output Interface	(2) DP 20-pin (female)
Max Output Distance	Up to 10 ft
Equalization	Automatic
Data Rate	1.65 Gbps per color (17.28 Gbps)
AUDIO	
HDMI format	Stereo
Input Interface	(1) 3.5mm L/R jacket (female)
Output Interface	(1) 3.5mm L/R jacket (female)
USB	
Input Interface (TX)	(1) USB Type B
Output Interface (RX)	(2) USB 1.1 Type A for KM Devices; (2) USB 2.0 Type A Transparent
Keyboard and mouse	Keyboard and mouse emulation
SYSTEM	
Interface & Type	Single-Mode Fiber
Cable Requirements	Dual Fiber
Maximum Length	Single mode: 10 km (6.2 miles) Multi mode: 500 m (1640 feet)
SERIAL	
Format	DB9 (TX - female, RX - male)
OTHER	
Power	100-240 VAC/ 5VDC @ 3A/15W
Dimensions	7.2" W x 1.6" H x 3.25" D
Weight	2.3 lb (1.15 lbs per unit)
Approvals	UL, CE, ROHS Compliant
Operating Temperature	+32 to +104°F (0 to +40°C)
Operating Humidity	20% to 80% (non-condensing)
Storage Temperature	-4 to 140°F (-20 to +60°C)
Storage Humidity	Up to 95% (No Condensation)
Compliance EMC	FCC (Class A), CE (Class A), ICES-003
Environmental Compliance	RoHS2 (CE)
Support Warranty	1-year

WHAT'S IN THE BOX?

Product Name	Q-ty	Description
DFX-XT-2P-TX	1	Dual Head 4K HDMI with Audio and USB 2.0 KVM Transmitter
DFX-XT-2P-RX	1	Dual Head 4K HDMI with Audio and USB 2.0 KVM Receiver
5VDC3A	2	5V DC, 3A power adapter with center-pin positive polarity.
User manual	1	

FRONT AND BACK



DFX-XT-2P-TX (Front)



DFX-XT-2P-TX (Back)



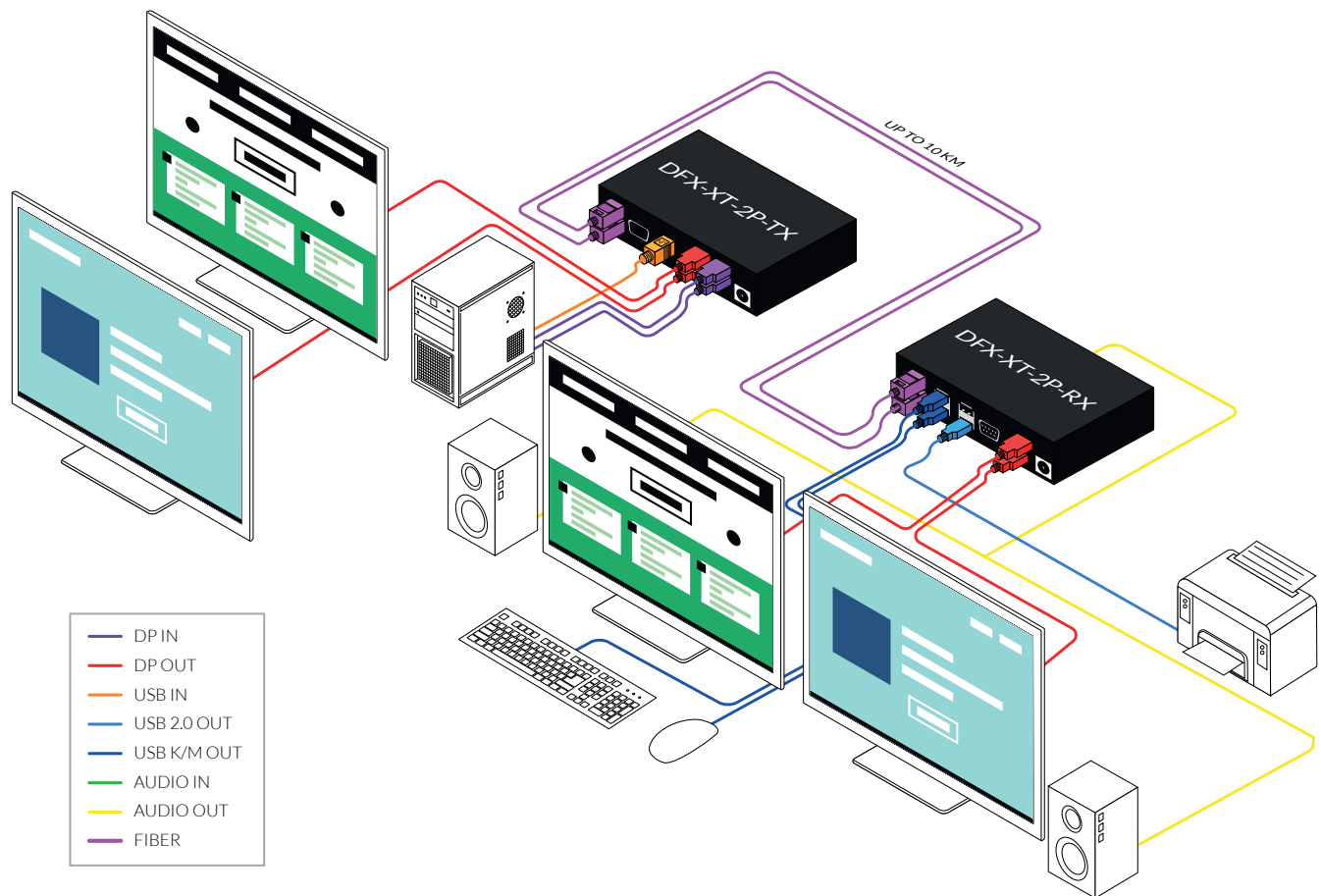
DFX-XT-2P-RX (Front)



DFX-XT-2P-RX (Back)

INSTALLATION

Refer to the following steps and diagram for the DFX-XT-2P installation.



1. Ensure that power is turned off or disconnected from the units and the computers.
2. Use a dual fiber optic cable to connect between the single mode fiber ports of the DFX-XT-2P-TX and the DFX-XT-2P-RX. The vertical position of each fiber port determines which DisplayPort output will be used when connecting fiber cables between the transmitter and receiver.
3. Use a DisplayPort cable to connect the DP OUT port from each computer to the corresponding DP IN port of the DFX-XT-2P-TX.
4. Use a USB cable (Type-A to Type-A) to connect a USB port on each computer to the respective USB port of the DFX-XT-2P-TX.
5. Optionally connect a stereo audio cable (3.5mm to 3.5mm) to connect the audio output of the computers to the Audio Input port of the DFX-XT-2P-TX.
6. Connect a monitor to the DP OUT console port of the DFX-XT-2P-RX using a DisplayPort cable.
7. Connect a USB keyboard and mouse and the USB devices in the four USB ports of the DFX-XT-2P-RX.
8. Optionally connect stereo speakers to the Audio Out port of the DFX-XT-2P-RX.
9. Optionally connect an RS-232 cable from a PC to the RS-232 port on the DFX-XT-2P for additional control
10. Finally, power on the KVM by connecting a 5VDC power supply to the power connector, and then turn on all the computers.

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 5VDC.
- 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 extent 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 extent 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.



NOTICE

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

20180109



Designed and Manufactured in the USA

Tel: (888)-994-7427 • (702) 800-0005
2917 E Alexander Road
North Las Vegas, NV 89030

www.smartavi.com