

# FDX-3000-PRO

SINGLE-MODE DVI-D, STEREO AUDIO & USB K/M FIBER EXTENDER



## USER MANUAL

FDX-3000-PRO | Single-Mode DVI-D, Audio, RS-232, and USB K/M Fiber Extender



Designed and Manufactured in the USA

# Smart-AVI

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www.smartavi.com

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# TECHNICAL SPECIFICATIONS

VIDEO	
Format	Single-Link DVI-D
Input interface	(1) DVI-D Female (Single-Link)
Output interface	(1) DVI-D Female (Single-Link)
Max. Pixel Clock	165 MHz
Max. Data Rate	6.75 Gbps
Max. Resolution	Up to 1080p (1920x1080 @ 60Hz)
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft
AUDIO	
Input interface	(1) 3.5 mm Stereo Audio
Output interface	(1) 3.5 mm Stereo Audio
USB	
Signaling	USB Keyboard-Mouse Only
Input interface	(1) USB Type-B
Output interface	(2) USB Type A
RS232	
Signal Direction	Unidirectional
Max. Baud Rate	115200bps (self-adaptive)
Data Bits	8
OTHER	
Power	12VDC2A
Dimensions	6.25" W x 1.875" H x 5.0" D
Weight TX/RX	1.45 lbs (0.725 lbs per unit)
Approvals	UL, CE, ROHS Compliant
Fiber Interface & Type	LC Single-Mode Fiber
Transmission Distance	Up to 10km (6.2 miles)
Operating temperature	32-131 °F (0-55 °C)
Storage temperature	-4-185 °F (-20-85 °C)
Humidity	Up to 95% (non-condensing)

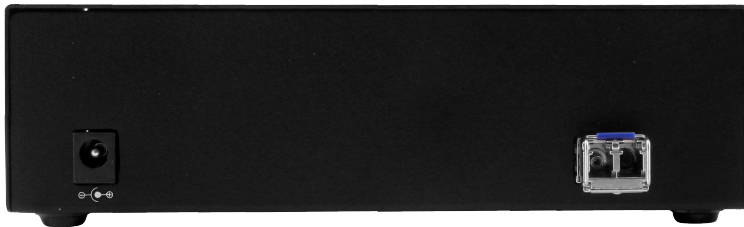
# WHAT'S IN THE BOX?

PART NO.	Q-TY	DESCRIPTION
FDX-3000-PRO-TX-S	1	Single-Mode DVI-D, Stereo Audio, RS-232, and USB K/M Fiber Transmitter
FDX-3000-PRO-RX-S	1	Single-Mode DVI-D, Stereo Audio, RS-232, and USB K/M Fiber Receiver
PS5VD2A	2	PS5VD2A Power Supply
User Manual	1	

## FDX-3000-PRO-TX REAR



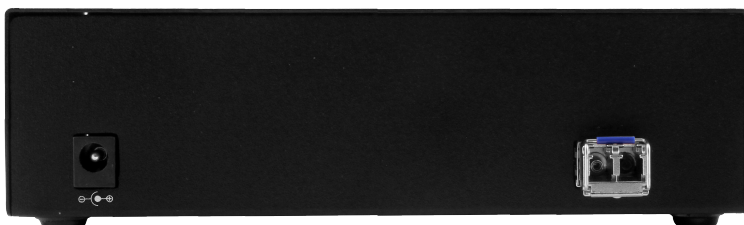
## FDX-3000-PRO-TX FRONT



## FDX-3000-PRO-RX REAR



## FDX-3000-PRO-RX FRONT

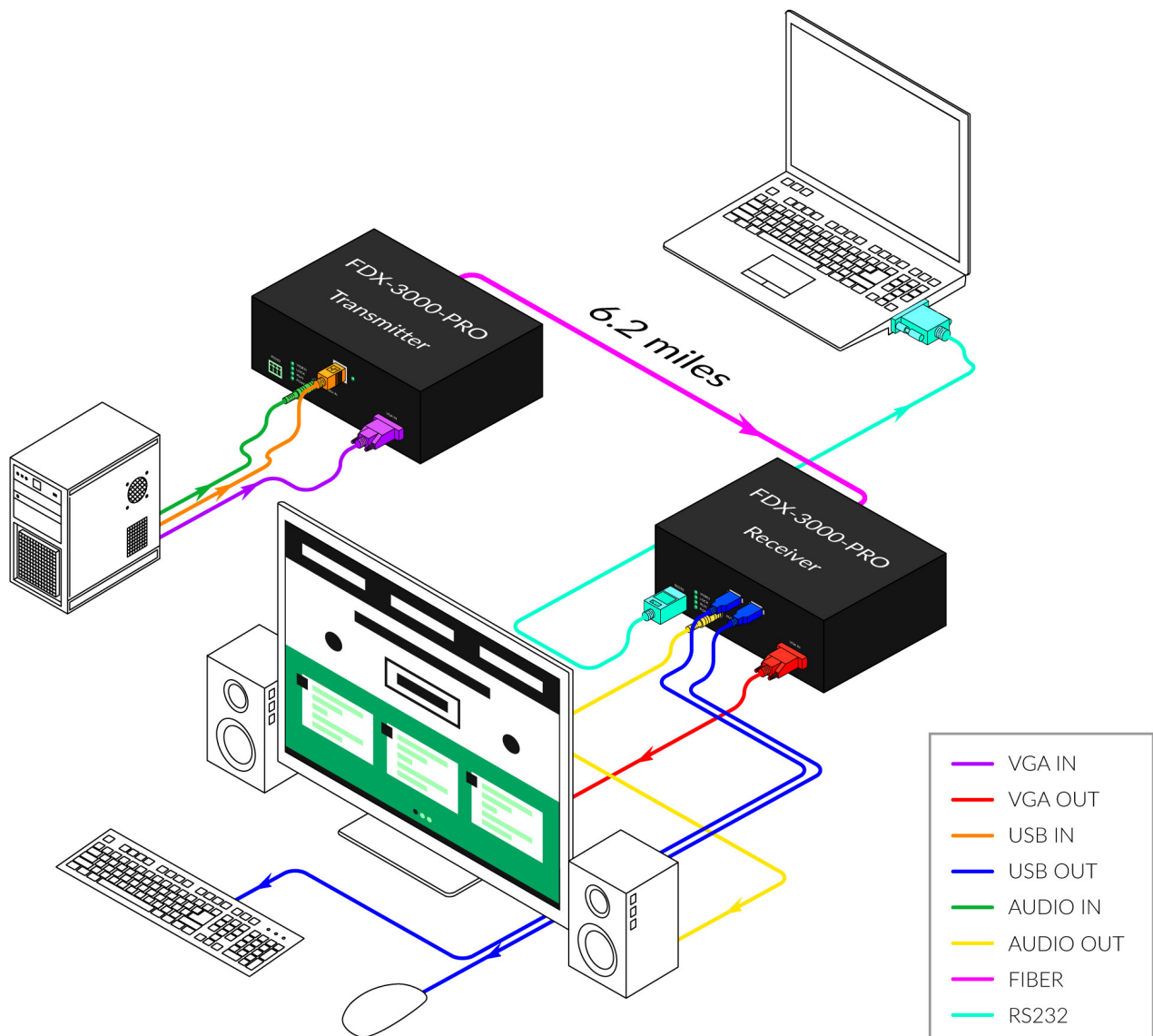


# INSTALLATION

1. Turn off all devices.
2. Connect a multimode fiber optic cable between the TX and RX (maximum cable length is 6,2 m).
3. Connect the DVI-D cable, RS-232 cable (optional), and USB cable from the computer to their appropriate ports on the TX .
4. Power on the computer and connect the provided 5VDC power supply to the TX.
5. Connect a USB keyboard and Mouse to the USB ports on the RX.

**Note:** Only a keyboard and a mouse may be connected to these ports. Connecting other devices to these USB ports may cause damage to the unit. Optionally connect an RS-232 control-enabled device to the DB9 connector on the RX.

6. Connect the monitor or display to the DVI-D out of the RX and power on the monitor only.
7. Connect the supplied 5VDC power supply to the RX.



# 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](mailto: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.

# Smart-**AVI**

SMART AUDIO VIDEO INNOVATION

## NOTICE

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