

HFX-LT

HDMI, USB 2.0 AND AUDIO KVM VIA DUAL FIBER EXTENDER



USER MANUAL



Designed and Manufactured in the USA

Smart-AVI

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TECHNICAL SPECIFICATIONS

VIDEO	
Format	HDMI2.0
Video Resolution	Up to 3840 x 2160 @ 30 Hz
Video Bandwidth	Single-link 340 MHz (10.2 Gbps)
Input Interface (TX)	(1) HDMI 19-pin
Output Interface (RX)	(1) HDMI 19-pin
Max Output Distance	Up to 20 ft
Equalization	Automatic
Input TMDS Signal	1.2 Volts [peak-to-peak]
Input DDC Signal	5 Volts [peak-to-peak, TTL]
Data Rate	1.65 Gbps per color
AUDIO	
Format	Stereo
Input Interface (TX)	(1) 3.5 mm Jack Socket (female)
Output Interface (RX)	(1) 3.5 mm Jack Socket (female)
USB	
Input Interface (TX)	(1) USB Type A
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	
Extension Type	Fiber (LC-LC Duplex)
Cable Requirements	Dual Fiber
Maximum Length	Single mode: 10 km (6.2 miles) Multi mode: 500 m (1640 feet)
OTHER	
Power Adapter	100-240 VAC/ 5VDC @ 3A/15W
Dimensions	7.8" W x 1.15" H x 3.65" D
Weight	1 lb (.5 lbs per unit)
Approvals	UL, CE, ROHS Compliant
Operating Temperature	+32 to +104°F (0 to +40°C)
Storage Temperature	-4 to 140°F (-20 to +60°C)
Humidity	Up to 95% (No Condensation)
Compliance EMC	FCC (Class A), CE (Class A), ICES-003
Envr. Compliance	RoHS2 (CE)
Support Warranty	1-year

WHAT'S IN THE BOX?

PART NO.	Q-TY	DESCRIPTION
HFX-LT	1	HDMI, USB 2.0, Audio via Dual Fiber Extender
PS5VD3A-WLLMNT	1	5V DC, 3A (minimum) power adapter with center-pin positive polarity.
	1	User Manual

FRONT AND BACK



HFX-LT-TX Front



HFX-LT-RX Front



HFX-LT-TX Back

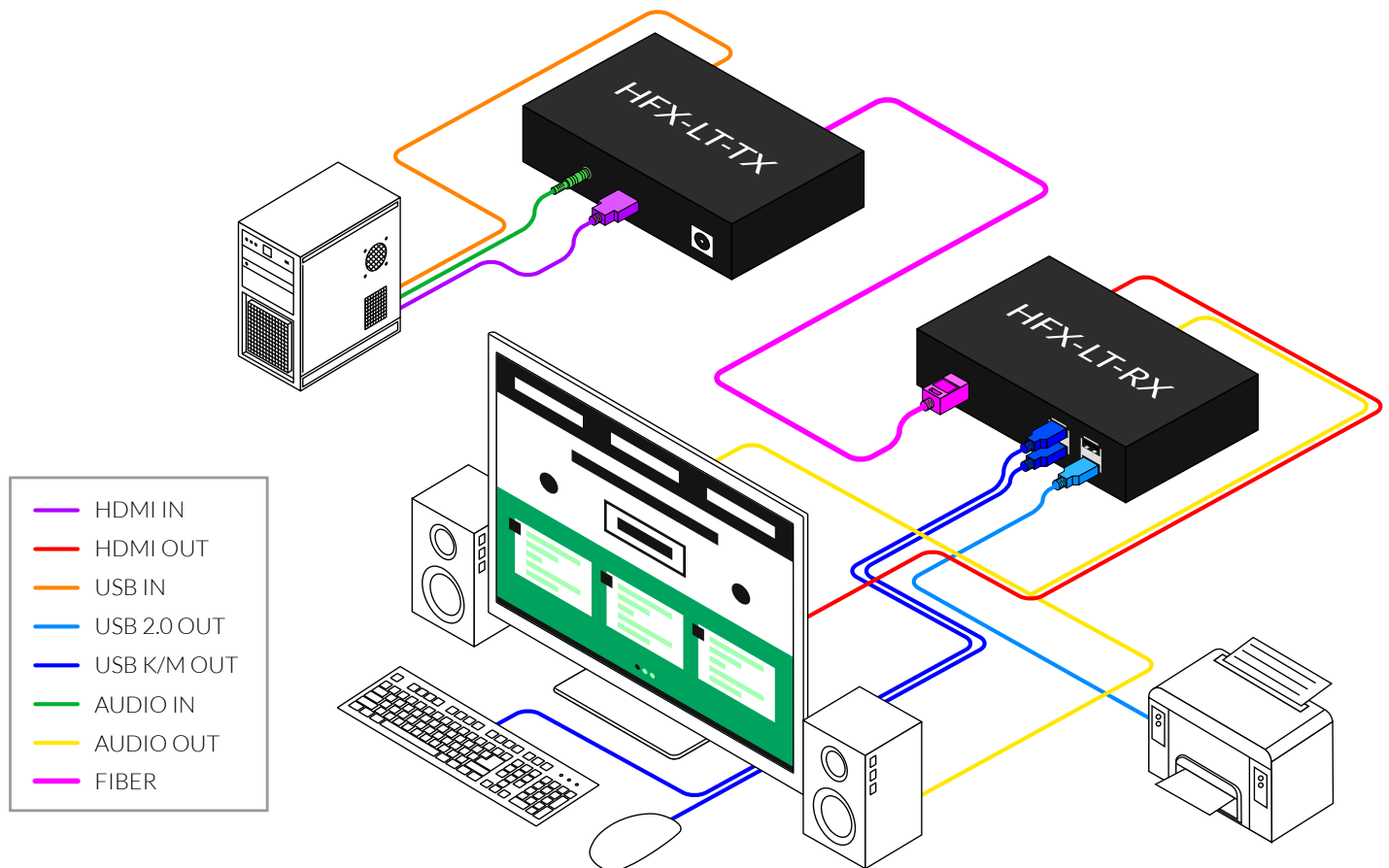


HFX-LT-RX Back

INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use a HDMI cable to connect the HDMI output port from a computer to the HDMI IN port of the transmitter.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on the computer to the respective USB port of the transmitter.
4. Optionally connect a stereo audio cable (3.5mm to 3.5mm) to connect the audio output of the computer to the AUDIO IN port of the transmitter.
5. Connect the transmitter and receiver to each other using a single-mode duplex fiber optic cable.
6. Connect a monitor to the HDMI OUT console port of the receiver using a HDMI cable.
7. Connect a USB keyboard and mouse to the two USB console ports of the receiver.
8. Optionally connect peripheral USB devices, such as a printer or a camera to the other two USB console ports of the receiver.
9. Optionally connect stereo speakers to the AUDIO OUT port of the receiver.
10. Finally, power on the transmitter and receiver by connecting a 5VDC power supply to the power connector, and then turn on the computer.

APPLICATION DIAGRAM



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 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.

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SMART AUDIO VIDEO INNOVATION

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