

LDX

LONG RANGE DVI-D AND RS-232 EXTENDER



USER MANUAL

LDX	DVI-D and RS-232 Extender
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Designed and Manufactured in the USA

Smart-AVI

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

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TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(1) DVI-D 29-pin female
Output Interface (RX)	(1) DVI-D 29-pin female
Resolution	Up to 1920 x 1200 @ 60 Hz
DDC	5 volts p-p (TTL)
Input DDC Signal	Automatic
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft
RS-232	
Input Interface (TX)	(1) DB9 (Female)
Output Interface (RX)	(1) DB9 (Female)
Speed	Up to 115 Kbps
IR CONTROL	
Input Interface (TX)	(1) 3.5 mm (Female)
Output Interface (RX)	(1) 3.5 mm (Female)
Frequency Response	30 KHz to 80 KHz
OTHER	
Power	External 100-240 VAC/5VDC4A
Dimensions	5.125 in W x 1 in H x 3.625 in D
Weight	1 lb (.5 lbs per unit)
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

WHAT'S IN THE BOX?

LDX	DVI-D and RS-232 Extender
PS5VDC2A-WLLMNT	5V DC, 2A (minimum) power adapter with center-pin positive polarity.
User Manual	

LDX TRANSMITTER REAR



LDX TRANSMITTER FRONT



LDX RECEIVER REAR



LDX RECEIVER FRONT

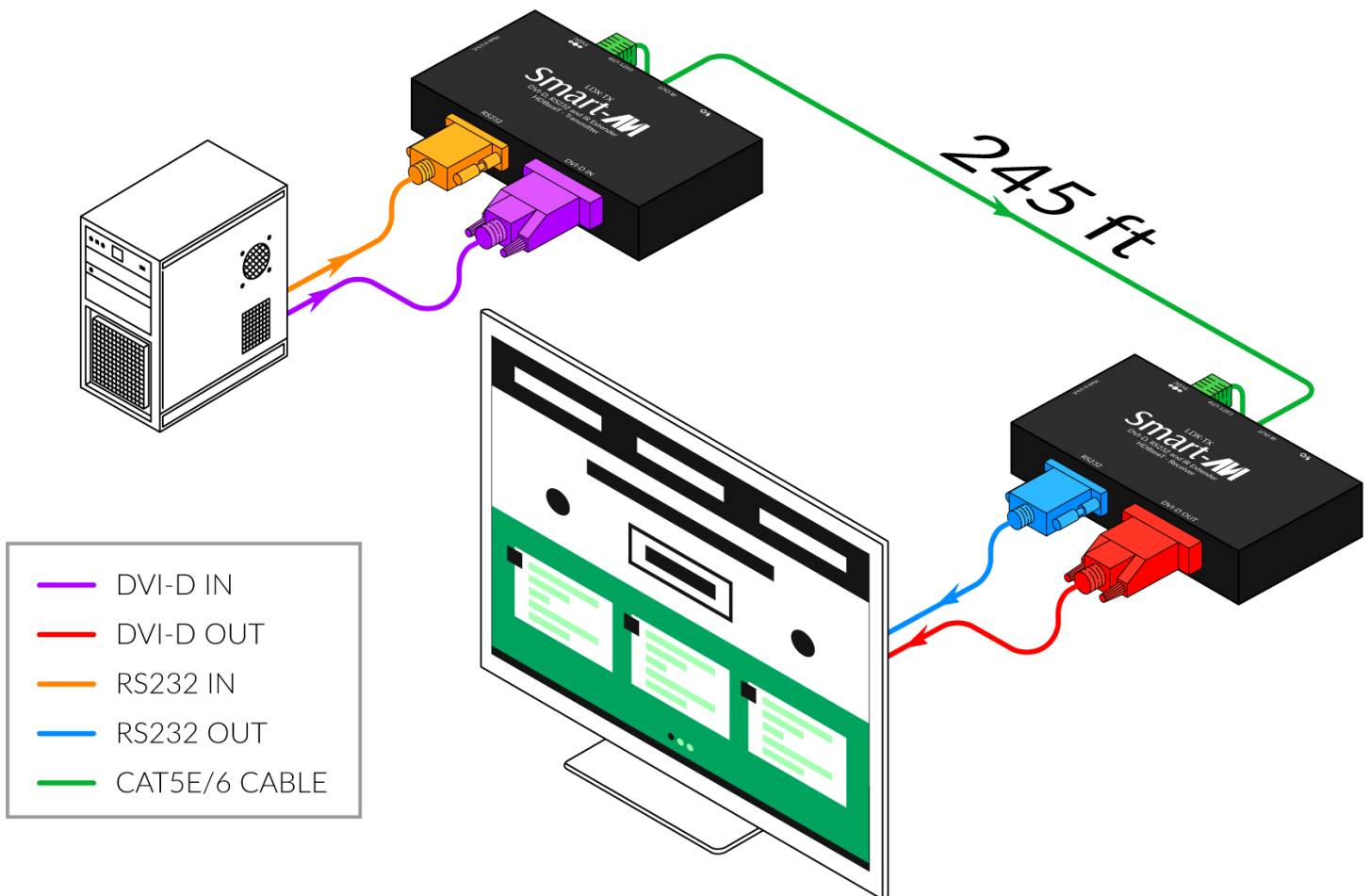


INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use a **DVI cable** to connect the DVI output port from each computer to the corresponding DVI-I IN ports of the unit.
3. Connect a monitor to the DVI-I OUT console port of the unit using a **DVI cable**.
4. Finally, power on the extender by connecting a **12VDC power supply** to the power connector, and then turn on all the computers.

APPLICATION DIAGRAM

The LDX DVI extender is capable of sending a DVI-D signal up to 245 ft over a single conventional and inexpensive Cat5e/6 cable. The LDX extender also features RS-232 signal extension, enabling long-distance control of displays or devices



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.

Smart-AVI

SMART AUDIO VIDEO INNOVATION

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Designed and Manufactured in the USA

Tel: (800) AVI-2131 • (702) 800-0005
2455 W Cheyenne Ave, Suite 112
North Las Vegas, NV 89032

www.smartavi.com