

TECHNICAL SPECIFICATIONS	
<b>VIDEO</b>	
Format	DVI-D
Resolution	Up to 1080p (1920x1080 @60Hz)
TX Input	DVI-I (1)
TX Output	DVI-D (1)
RX Output	DVI-D (1)
Cable Length	Up to 40 feet
<b>USB</b>	
TX Input	USB Type B Female (1)
TX Output	USB Type A (2) Keyboard/Mouse
RX Output	USB Type A (2) Keyboard/Mouse
<b>AUDIO / MICROPHONE</b>	
Audio Format	Stereo
TX Input	Audio 3.5 mm (1), Microphone 3.5 mm (1)
RX Output	Audio 3.5 mm (1), Microphone 3.5 mm (1)
<b>NETWORK</b>	
TX Output	RJ45 LAN (1)
RX Input	RJ45 LAN (1)
Cable Requirements	CAT 5/5e/6
Max. Length	500 feet
<b>OTHER</b>	
Power	5VDC2A
Weight TX & RX	1.1 lbs
Dimensions TX & RX	8.75"W x 1.5"H x 3.5"D each
Operating Temp	41 to 122 °F (5 to 50 °C)
Operating Humidity	Up to 85% RH (no condensation)
Storage Temp	32 to 149 °F (0 to 65 °C)
Storage Humidity	Up to 90% RH (no condensation)

## WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
KLX-500-TX	1	DVI-KVM Extender Transmitter
KLX-500-RX	1	DVI-KVM Extender Receiver
PS5VD2A	2	Power Adapter
Quick Start Guide	1	Instructions/Specs

Brackets for mounting this device in a standard 19" rack can be ordered from SmartAVI.

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20170301



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**Smart-AVI**  
SMART AUDIO VIDEO INNOVATION

**DIREKTRONIK**

# 13-0232

# KLX-500

1080p DVI-D Video and



Extends HD Video & Keyboard,  
Mouse signals up to 500 ft using  
CAT 5/5e/6 cables

Quick Start Guide

## INTRODUCTION

The KLX-500 extender provides 500 feet of connectivity using CAT 5/5e/6 cables used in LAN infrastructure to extend KVM (Keyboard, Video and Mouse) operation of DVI input. Chain additional extenders to extend signals even further and transmit crystal clear audio-video signals in real-time. The KLX-500 is an ideal fit in pre-existing LAN infrastructures, like corporate office environments and data centers. The KLX-500 supports full USB emulation and 1080p HD video up to 1920x1080 resolution at 60Hz. The KLX-500 features dual control operation for local and remote KVM support, so managing workflow is never more than a mouse-click away. Built with plug-and-play functionality, setting up and running KLX-500 is simple and seamless. No drivers or software installations required. The KLX-500 compresses data to utilize CAT 5/5e/6 cables at no loss to performance or picture quality. For the best visual and control results when going the distance, KLX-500 has your KVM and HD video needs covered.

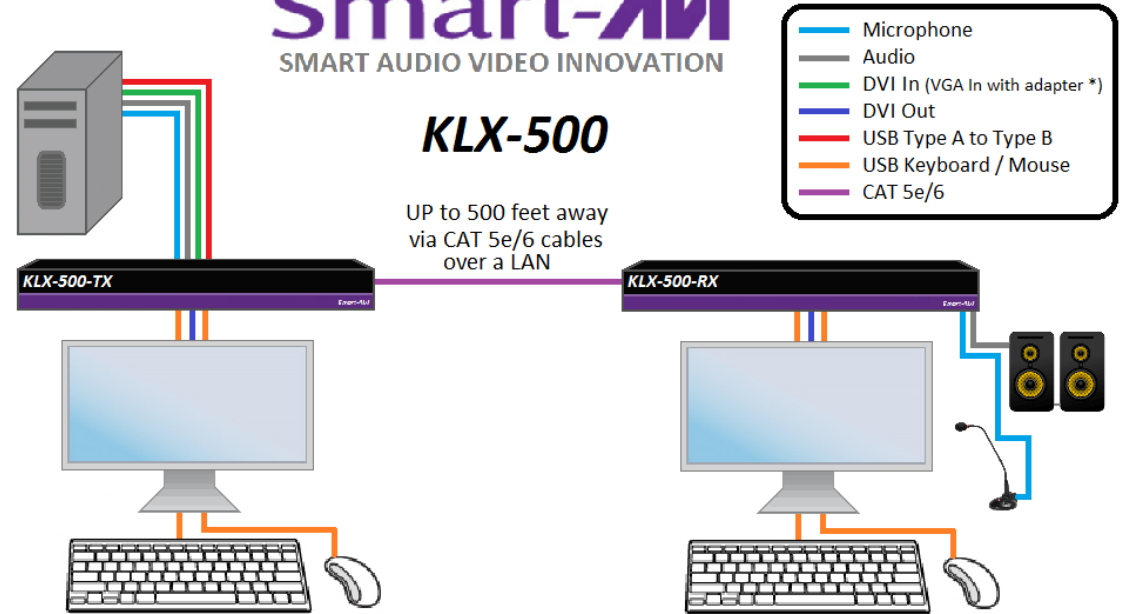
## FEATURES

- Extends KVM operation up to 500 feet via CAT 5/5e/6 cables
- Chainable for thousands of feet of extension
- Supports full USB emulation for keyboard-mouse operation
- Audio input and output
- Dual control operation, for local and remote use of KVM
- Supports 1080p up to 1920x1080 resolution at 60Hz
- Plug-and-Play ready
- No software or driver required
- 

## APPLICATIONS

- Digital Signage
- Public Presentations
- Security and Surveillance
- Healthcare Supervision
- Educational Spaces
- Hotel Displays
- Convention Centers
- Point of Sale and Retail
- Military and Government Systems

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## CONNECTING THE KLX-500

1. Power off all devices prior to connecting them.
2. Connect the KLX-500-TX transmitter to the computer with a USB Type A to Type B cable.
3. Connect the computers DVI output to the KLX-500-TX DVI input. See Note below if VGA output is required.
4. Optionally connect the computers audio and microphone jacks to the KLX-500-TX.
5. If you want local access you may optionally connect a DVI monitor to the DVI output on the KLX-500-TX and a USB keyboard and mouse to the KLX-500-TX USB ports marked for keyboard and mouse.
6. Connect a CAT 5/5e/6 cable to the KLX-500-TX.
7. Connect a CAT 5/5e/6 cable to the KLX-500-RX.
8. Connect a DVI monitor to the DVI output on the KLX-500-RX.
9. Connect a USB keyboard and mouse to the KLX-500-RX USB ports marked for keyboard and mouse.
10. Optionally connect speakers and a microphone to the KLX-500-RX.
11. Power on all devices.
12. Press and release the SW button on the KLX500-RX to learn EDID from the connected monitor. The Link LED will go out and come back on flashing once the EDID is learned.

\* NOTE: You can connect a computers VGA output port using a VGA to DVI-I Adapter on the TX DVI input port. The RX DVI output port is compatible with VGA. The TX DVI output port is not compatible with VGA.



**RX FRONT**



**RX BACK**



**TX FRONT**



**TX BACK**