What's in the Box?

PART NO.	QTY	DESCRIPTION
KLX-TX500S	1	DVI-I KVM with Audio Point-to-Point Transmitter
KLX-RX500S	1	DVI-I KVM with Audio Point-to-Point Receiver
Power Supply	2	PS5VDC2A

Technical Specifications*

VIDEO	
Format	DVI-D
Resolution	Up to 1080p (1920x1080 @60Hz)
Input Interface (TX)	DVI-I (1)
Output Interface (TX)	DVI-D (1)
Output Interface (RX)	DVI-D (1)
Cable Length	Up to 40 feet
USB	
Input Interface (TX)	USB Type B Female (1)
Output Interface (TX)	USB Type A (2) Keyboard/Mouse
Output Interface (RX)	USB Type A (2) Keyboard/Mouse
AUDIO / MICROPHONE	
Audio Format	Stereo
Input Interface (TX)	Audio 3.5 mm (1), Microphone 3.5 mm (1)
Output Interface (RX)	Audio 3.5 mm (1), Microphone 3.5 mm (1)
NETWORK	
Output Interface (TX)	RJ45 LAN (1)
Input Interface (RX)	RJ45 LAN (1)
Cable Requirements	CAT 5/5e/6
Max. Length	500 ft
OTHER	
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)

ORDER INFO	
Part No.	Description
KLX-500S	DVI-I KVM with Audio Point-to-Point Extender over LAN or CAT5e/6. Includes: [KLX-TX500, KLX-RX500, and 2 x PS5VD2A-Wall Mount]
KLX-TX500S	DVI-I KVM with Audio Point-to-Point Extender over LAN or CAT5e/6. Includes: [KLX-TX500 and PS5VD2A-Wall Mount]
KLX-RX500S	DVI-I KVM with Audio Point-to-Point Receiver over LAN or CAT5e/6. Includes: KLX-RX500, and PS5VD2A-Wall Mount]

For more information, visit www.smartavi.com.

Designed and Manufactured in the USA

Smart-AVI
SMART AUDIO VIDEO INNOVATION

KLX-500

1080p DVI-D Video and Keyboard, Mouse Extender

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 KLX500 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.
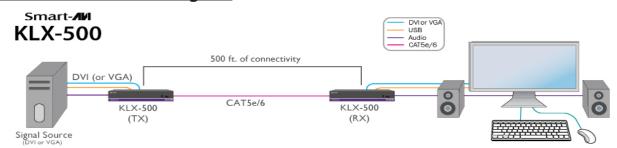
Features

- Extends KVM operation up to 500 feet via CAT5/5e/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

Application

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

Product - Installation Diagram

Smart-AVI
KLX-500

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.

KLX-TX500 Back

KLX-RX500 Back

KLX-TX500 Front

KLX-RX500 Front