

TECHNICAL SPECIFICATIONS

VIDEO

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

USB

TX Input	USB Type B Female (1)
TX Output	USB Type A (2) Keyboard/Mouse
RX Output	USB Type A (2) Keyboard/Mouse

AUDIO / MICROPHONE

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)

NETWORK

TX Output	RJ45 LAN (1)
RX Input	RJ45 LAN (1)
Cable Requirements	CAT 5/5e/6
Max. Length	500 feet

OTHER

Power	External 100-240 VAC
Weight TX & RX	1.2 lbs. each
Dimensions TX & RX	17.125"W X 3.75"D X 2"H 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-500-1U-TX	1	DVI-KVM Extender Transmitter
KLX-500-1U-RX	1	DVI-KVM Extender Receiver
CCPWR06	2	6' Power Plug Cable
EN-QKVM-EAR-P	4	Rack mount brackets
Quick Start Guide	1	Instructions/Specs

NOTICE

The information contained in this document is subject to change without notice. SmartAVI makes no warranty of any kind with regard to this material, including but not limited to, implied warranties of merchantability and fitness for particular purpose.

SmartAVI will not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material.

No part of this document may be photocopied, reproduced, or translated into another language without prior written consent from SmartAVI Technologies, Inc.

20170301



Designed and Manufactured in the USA

800.AVI.2131

Tel: (818) 503-6200 | Fax: (818) 503-6208
11651 Vanowen St. North Hollywood, CA 91605

SmartAVI.com

Smart-AVI

SMART AUDIO VIDEO INNOVATION

KLX-500-1U

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-500-1U 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-500-1U is an ideal fit in pre-existing LAN infrastructures, like corporate office environments and data centers. The KLX-500-1U supports full USB emulation and 1080p HD video up to 1920x1080 resolution at 60Hz. The KLX-500-1U 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-500-1U is simple and seamless. No drivers or software installations required. The KLX-500-1U 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-500-1U has your KVM and HD video needs covered.

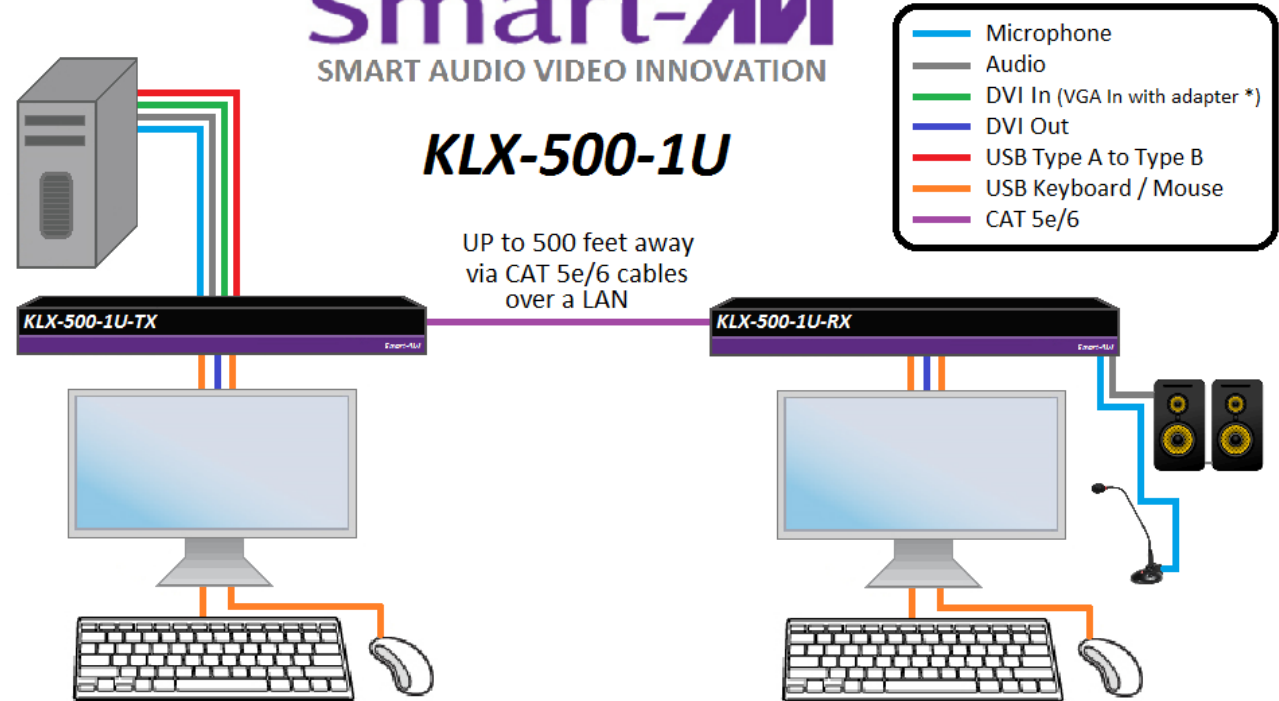
FEATURES

- 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

Smart-AVI
SMART AUDIO VIDEO INNOVATION



CONNECTING THE KLX-500-1U

1. Power off all devices prior to connecting them.
2. Connect the KLX-500-1U-TX transmitter to the computer with a USB Type A to Type B cable.
3. Connect the computers DVI output to the KLX-500-1U-TX DVI input. See Note below if VGA output is required.
4. Optionally connect the computers audio and microphone jacks to the KLX-500-1U-TX.
5. If you want local access you may optionally connect a DVI monitor to the DVI output on the KLX-500-1U-TX and a USB keyboard and mouse to the KLX-500-1U-TX USB ports marked for keyboard and mouse.
6. Connect a CAT 5/5e/6 cable to the KLX-500-1U-TX.
7. Connect a CAT 5/5e/6 cable to the KLX-500-1U-RX.
8. Connect a DVI monitor to the DVI output on the KLX-500-1U-RX.
9. Connect a USB keyboard and mouse to the KLX-500-1U-RX USB ports marked for keyboard and mouse.
10. Optionally connect speakers and a microphone to the KLX-500-1U-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-500-1U RX Front



KLX-500-1U TX Front



KLX-500-1U RX Rear

KLX-500-1U TX Rear