

What's in the Box?

PART NO.	QTY	DESCRIPTION
RK-DVX2U-TX4S		Powered Rack/Chassis with DVI/USB CAT6 Transmitter, 4 Card Package. Includes: [RK-DVX2U-TX4 and CCPWR06]
RK-DVX2U-TX8S		Powered Rack/Chassis with DVI/USB CAT6 Transmitter, 8 Card Package. Includes: [RK-DVX2U-TX8 and CCPWR06]
RK-DVX2U-TX16S		Powered Rack/Chassis with DVI/USB CAT6 Transmitter, 16 Card Package. Includes: [RK-DVX2U-TX16 and CCPWR06]
User Manual	1	

Technical Specifications*

VIDEO	
Format	DVI-D Single Line
Maximum Pixel Clock	165 MHz
Input Interface (TX)	16 x (2) DVI-D 29-pin female
Output Interface (RX)	(2) DVI-D 29-pin female
Resolution	Up to 1920 x 1200 @60Hz
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.

USB	
Signal Type	USB 1.1 (Fully Transparent)
Input Interface (TX)	16 x (1) USB Type B (Female)
Output Interface (RX)	(4) USB Type A (Female)

OTHER	
Power	Internal 110-240 VAC
Dimensions	17 in W x 8.5 in H x 3.25 in D
Weight	10 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

*specifications shown are for 16-Port option

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Installation Manual

RK-DVX2U 16-Port Dual DVI-D and USB 1.1 Extender over STP



16-Port Dual DVI-D and USB 1.1 Extender up to 275 feet over STP Cable

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Introduction

The RK-DVX2U is the perfect solution for extending dual DVI-D displays and USB 1.1 devices to a remote location up to 275 feet away. It is the ideal way to consolidate up to 16 workstation computers into one location. The RK-DVX2U features dual DVI-D extension up to 275 feet over STP. It is fully compatible with MAC, PC and LINUX DVI standards.

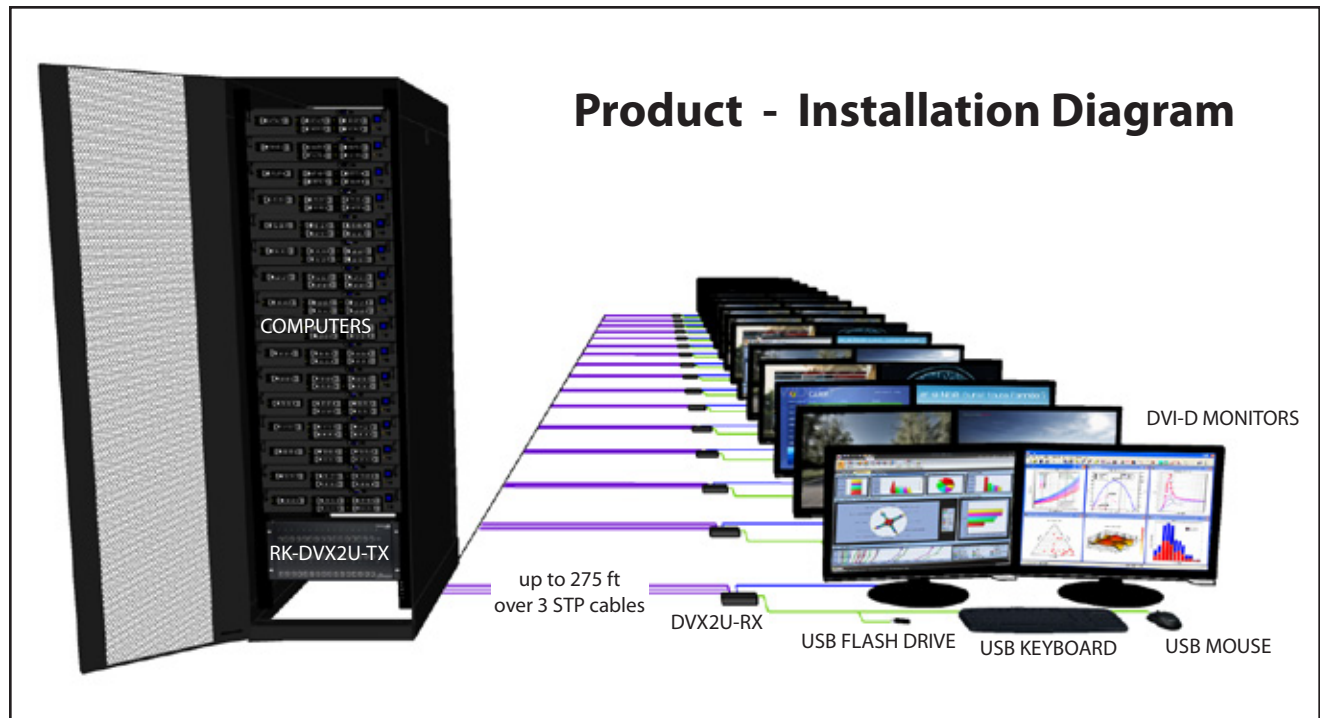
The RK-DVX2U also features transparent USB 1.1 signal extension, with full support for all USB 1.1 devices and an integrated 4-port hub in the receiver. Flash Drives, Printers, Cameras, Scanners, etc. may all be used with the RK-DVX2U.

Features



- Supports up to 2 DVI-D single-link sources
- Supports Mac, PC, and Linux DVI
- Supports High Resolution 1920x1200 60Hz WUXGA
- Distance: 275 feet with three CAT6 STP cables
- Uses universal DVI Single Link connectors
- Zero pixel loss with TMDS signal correction
- DDC from internal table for Mac/PC
- Supports all USB 1.1 Devices Transparently (Flash Drives, Printers, etc.)
- Supports USB 1.1 keyboard and mouse
- Compatible with all operating systems
- Compatible with all major KVM switches
- Rack Mountable Solution
- Data recovery for digital video
- Supports 1.5 and 12Mbps data rates
- Plug-and-play


Applications

- Medical Applications
- Industrial Work Areas
- Home Theater Integration
- Digital Signage Deployment
- Information Kiosks/Displays
- Film/Recording Studios

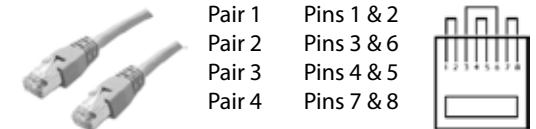


Connecting the RK-DVX2U

1. Power off all devices.
2. Connect two DVI-D sources (computer) to each of the 16 DVI-D ports on the rear of the RK-DVX2U-TX labeled **1** and **2**.
3. Connect two USB sources to each of the 16 USB ports on the rear of the the RK-DVX2U-TX labeled .
4. Connect the RK-DVX2U-TX to the the DVX2U-RX with three STP (Sheilded Twisted Pair) cables using each the front ports labeled **1**, **2** and **3**.
5. Connect a DVI monitor to the ports on the rear of the DVX2U-RX labeled **1** and **2**.
6. Connect up to 4 USB 1.1 devices to the ports on the DVX2U-RX labeled .

7. Connect the power to the ports labeled **POWER 110-240V** on the RK-DVX2U-TX and  on the DVX2U-RX.
8. Power on the computers, displays and USB 1.1 devices.

The following is the wiring standard for terminating UTP/STP cable using RJ-45 connector:



Connectors: RJ-45
 Capacitance: 14 pf/ft (46.2 pf/m)
 Conductor Gauge: 24 AWG
 Impedance: 100 +/- 15 ohms