DVI USB KVM Console Extender with USB 2.0 and Audio - 500m

SV565UTPDUA

*actual product may vary from photos

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Packaging Contents

- 1 x Local Unit
- 1 x Remote Unit
- 2 x Universal Power Adapter
- 1 x USB cable
- 1 x DVI-D cable
- 1 x Instruction Manual

System Requirements

- USB and DVI-D enabled KVM switch or computer system
- A DVI-D (digital) enabled display device (i.e. monitor, projector, HDTV, etc)
- A standard 104-key wired USB keyboard
- A standard 3-button wired USB mouse
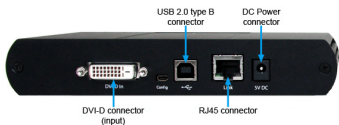
Front View

Local Unit

Status LEDs

Remote Unit

USB 2.0 type A connectors

Status LEDs

Rear View

Local Unit

USB 2.0 type B connector

DC Power connector

DVI D In

5V DC

DVI-D connector (input)

RJ45 connector

Remote Unit

3.5mm mini-jack Speaker/MIC connector

DC Power connector

DVI-D Out

24V DC

DVI-D connector (output)

RJ45 connector

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Connecting Your KVM Extender

Preparing Your Site

Before you can install the product, you need to prepare your site.

1. Determine where the host computer will be located and set up the computer.

2. Determine where the console devices (mouse, keyboard, monitor) will be located and place them appropriately.

3. a) If you are using surface cabling, ensure you have enough Category 5 unshielded twisted pair (UTP) network cabling to connect the Local unit to the Remote unit's location, and that each end is terminated with a RJ45 connector. The cabling should not go through any networking equipment (i.e. router, switch).

OR

b) If you are using premises cabling, ensure that the Category 5 unshielded twisted pair (UTP) network cabling between the Local unit and the Remote unit has been properly terminated in a wall outlet in each location and there is a patch cable long enough to connect the Remote Unit and the Local unit to their respective outlets. The cabling should not go through any networking equipment (i.e. router, switch).

Local Unit Installation

1. Switch off the computer and disconnect any unnecessary devices/peripherals.

2. Using the provided cables, connect the USB cable from the USB type B connector on the Local unit to an available USB port on the computer system. Connect the DVI-D cable from the Local unit to the DVI connector on the computer system.

NOTE: If using audio, no separate cables are required, as it will be carried over USB.

3. Connect the UTP cable connection for the Remote unit to the RJ45 connector on the Local unit. If using premises cabling, connect the opposite end of the patch cable to the terminated wall outlet.

Installing the Remote Unit

1. Place the Remote Unit near the remote station.

2. Using a DVI-D cable (not included) connect a monitor to the DVI-D connector on the Remote unit.

3. Connect a USB keyboard and/or mouse to any of the USB Hub ports on the Remote unit.

4. OPTIONAL: Connect any additional USB peripherals you wish to use to the Remote unit. An external USB hub (powered) may be connected to the Remote unit, if additional USB ports are required.

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5. Connect the UTP cable connection from the Local unit to the RJ45 connector on the Remote unit. If using premises cabling, connect the opposite end of the patch cable to the terminated wall outlet.

6. Connect the power adapters to the Local and Remote units. Each unit uses a specific power adapter (5VDC for Local, 24VDC for Remote), so ensure the correct power adapter is connected, otherwise damage may occur.

7. The "Status" LED should light up on both units to indicate power. The "Link" LED should also light up to indicate a connection between the Local and Remote units is established.

Note: It may take up to one minute for the system to boot up.

How to Use
Audio

The audio component of the extender uses a built-in USB Audio Device to transmit audio from the Host computer to the Remote unit. The Host computer system should detect and automatically install the audio adapter once the USB cable is connected, usually setting it as the default audio adapter for the system. Check in the Audio Properties of the operating system (i.e. "Sound and Audio Devices" in Control Panel for Windows XP or "Sound" in System Preferences for Mac OS X) to verify the installation and status of the USB audio adapter. If the audio component of the extender will not be used, then you may wish to set the default audio device back to the onboard audio.

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LEDs

LEDs	Description
Status	• Solid green indicates ready status. • Flashing green indicates the unit is booting up. • Off indicates no power.
Link	• Solid green indicates a connection between the Local and Remote units. • Off indicates no connection between the Local and Remote units.
Video	• Solid green indicates a connection to the Remote unit and the Host computer. • Flashing green indicates a video signal from the Host computer is being transmitted. • Solid amber indicates that no video source is connected to the Local unit or no monitor isconnected to the Remote unit. • Flashing amber indicates an incompatible video resolution is detected. • Off indicates no connection between the Local and Remote units.
USB	• Solid green indicates a successful USB connection to the Host computer. • Flashing green indicates USB data transmission. • Solid amber indicates no USB connection to the Host computer. • Flashing amber indicates over-current (short) on one of the USB connections. • Off indicates no connection between the Local and Remote units.

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Compatibility

The product is compatible with many graphic cards, Operating Systems, and monitors. There is no guarantee that all devices are compatible with the product, as there are a number of different configurations that may impact the operation of the KVM Extender. The product complies with USB 1.1 and USB 2.0 specifications governing the design of USB devices. There is no guarantee that all USB devices are compatible with the product, as there are a number of different configurations that may impact the operation of USB devices over extended distances.

Setup & Equipment

The following devices are recommended to be used in the system.

Monitors
- Samsung • Dell • HP
- Viewsonic • Acer • BENQ
- ASUS

Discrete Graphics Cards
- ATI Radeon HD 2000 Series and Above
- NVIDIA ION • Intel GMA 950 and GMA HD
- Matrox P-Series • ATI FireGL/FirePro Series
- NVIDIA Quadro Series • NVIDIA Geforce 6000 Series and Above
- NVIDIA Geforce Mobility 9000

Resolutions
- 640 x 480 (4:3) • 1280 x 1024 (5:4)
- 800 x 600 (4:3) • 1360 x 768 (16:9)
- 1024 x 768 (4:3) • 1366 x 768 (16:9)
- 1280 x 720 (16:9) • 1440 x 900 (16:10)
- 1280 x 768 (5:3) • 1680 x 1050 (16:10)
- 1280 x 800 (16:10)

Host Operating Systems
- Windows 7 (32 bit & 64 bit) • Windows XP (32 bit)
- Windows Vista (32 bit & 64 bit) • Linux
- Mac OS X (Leopard/Snow Leopard)

Peripherals
- Keyboard
- Mouse
- Mass Storage Device
- Speakers
- Printer/Scanner
- High Compression/Low Resolution Web Camera
- DAQs

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Specifications

Video Signal	DVI-D (digital)
Connectors	Local Unit:
	1 x 25-pin DVI-D female
	1 x USB type B female
	1 x RJ45 Ethernet female
	1 x DC Power
	Remote Unit:
	1 x 25-pin DVI-D female
	3 x USB type A female
	1 x RJ45 Ethernet female
	2 x 3.5mm mini-jack Audio female
	1 x DC Power
LEDs	Local Unit:
	1 x Status
	1 x Link
	1 x Video
	1 x USB
	Remote Unit:
	1 x Status
	1 x Link
	1 x Video
	1 x USB
Compatible Cabling	Cat 5/5e/6, UTP
Maximum Cable Length	500m / 1640ft
Maximum Video Resolution	1680 x 1050
Maximum Data Transfer Rate	USB 2.0: 80Mbps
Audio Support	Yes (via built-in USB audio adapter)
DDC Support	Yes

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Power Adapter	Local Unit:
	5VDC, 3000mA, center positive
	Remote Unit:
	24VDC, 1000mA, center positive
ESD Protection	4kV Contact, 8kV Air
Operating Temperature	0℃ ~ 50℃ (32℉ ~ 122℉)
Storage Temperature	-20℃ ~ 70℃ (-4℉ ~ 158℉)
Humidity	20% ~ 80% RH
Dimensions (LxWxH)	175.0mm x 112.0mm x 30.0mm
Weight	400g

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Technical Support

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For the latest drivers/software, please visit **www.startech.com/downloads**

Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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