



## DVI-D and USB 2.0 Extender

### Quick Start Guide.

Extend video and USB up to 328 feet (100 m) over CAT5 or better cable.



#### What's Included

Your package should contain the following items. If anything is missing or damaged, contact Black Box Technical Support at 724-746-5500 or [info@blackbox.com](mailto:info@blackbox.com).

- (1) local extender unit
- (1) remote extender unit
- (2) 5-VDC power adapters
- (1) 6-foot (1.8-m) USB cable
- (1) 5-foot (1.5-m) DVI cable
- This printed quick start guide

*NOTE: You can also access the complete user guide at [www.blackbox.com](http://www.blackbox.com).*

#### Additional Items You Will Need

To complete the installation, you will also need the following items that are not included with the product:

- A computer with a DVI-D/DVI-I output
- USB 1.1 or 2.0 compatible computer (host computer) with a USB compliant operating system

- USB 1.1 or 2.0 compatible device(s)
- CAT5 UTP cable with two RJ-45 connectors (if using surface cabling) OR CAT5 cabling with two information outlets and two CAT5 patch cords with RJ-45 connectors (if using premise cabling)

#### Compatibility and Recommended Setup

This extender is compatible with many graphics cards, operating systems, and monitors supporting up to a 1920 x 1200 resolution.

The extender complies with USB 1.1 and USB 2.0 specifications. It supports USB 1.1 and low-bandwidth USB 2.0 devices, including keyboards, mice, flash drives, microphones, speakers, printers, and USB 1.1 Web cameras. Contact Black Box Technical Support at 724-746-5500 or [info@blackbox.com](mailto:info@blackbox.com) to determine if your USB 2.0 device(s) can be supported.

#### Compatible Host Operating Systems:

- Windows® 7, Windows Vista®, or Windows XP (32-bit and 64-bit)
- Mac® OS X
- Linux®

For installation instructions, turn this page over...

#### Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
 FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746  
 Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018  
 Web site: [www.blackbox.com](http://www.blackbox.com) • E-mail: [info@blackbox.com](mailto:info@blackbox.com)

## Compatible Cables

**CAUTION:** Make sure that DVI cables used with the extenders have connection between each connector's shield. If not, the extenders might be damaged.

**NOTE:** Minimum cable required is CAT5 solid-core. We recommend using CAT6 STP cable for best performance. Cables must be terminated with CAT6 connectors to qualify as CAT6.

Table 1. Maximum cable distances.

Cable Type	Installation Type	Maximum Distance
Solid-core CAT5e	Uncoiled	328 ft. (100 m)
Solid-core CAT5e UTP	Coiled	229 ft. (70 m)
Solid-core CAT5e STP	Uncoiled	328 ft. (100 m)
Solid-core CAT5e STP	Coiled	262 ft. (80 m)
Solid-core CAT6 UTP	Uncoiled	328 ft. (100 m)
Solid-core CAT6 UTP	Coiled	328 ft. (100 m)
Solid-core CAT6 STP	Uncoiled	328 ft. (100 m)
Solid-core CAT6 STP	Coiled	328 ft. (100 m)

## Installation Steps

**Step 1.** Connect the local extender unit to a computer using DVI cable (included) and USB cable (included).

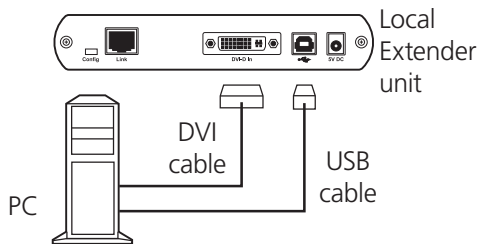


Figure QS-1. Step 1.

**Step 2.** Connect the remote extender unit to a monitor with a DVI cable (not included). Connect your keyboard and mouse to the remote unit.

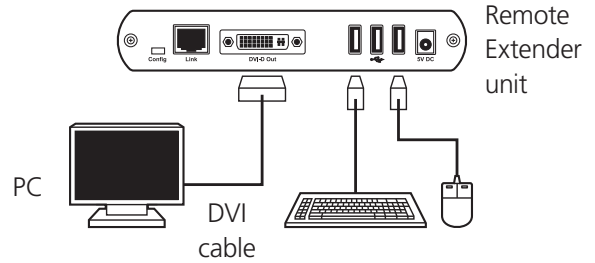


Figure QS-2. Step 2.

**Step 3.** Place the units where desired and directly connect the local extender to the remote extender via solid-core CAT5 cabling (not included).

**NOTE:** We recommend using solid-core CAT6 STP for best performance.

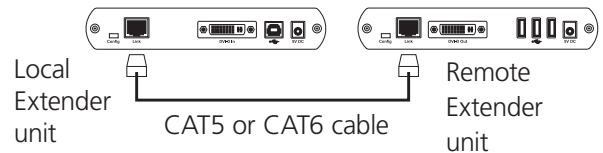


Figure QS-3. Step 3.

**Step 4.** Power on the local extender unit with the included 5-VDC adapter.

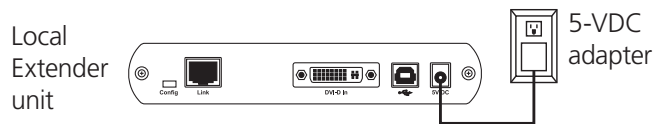


Figure QS-4. Step 4.

**Step 5.** Power on the remote extender unit with the included 5-VDC adapter.

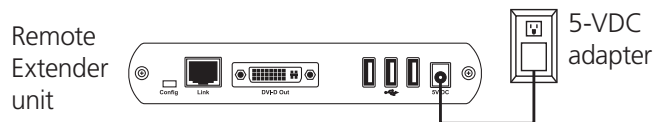


Figure QS-5. Step 5.

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