

Owner's Manual

DVI over Cat5 Extender Kit

Model: B140-101X-U

- Extends a DVI-D signal up to 125 ft. at 1920 x 1200 @ 60Hz, including 1080p
- Receiver unit features built-in Equalization control for video adjustment
- USB Micro-B port supplies power to the receiver unit; no external power supply required
- Compatible with all operating systems
- Plug and play; no software or drivers required
- HDCP compatible

Package Includes

- B140-101X-U Transmitter Unit
- B140-101X-U Receiver Unit
- USB Micro-B Cable – 3 ft.
- Screwdriver
- Owner's Manual

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Optional Accessories

- N202-Series Cat6 24 AWG Solid Wire Patch Cables
- UR05C-Series USB Micro-B Charge-Only Cables
- U280-002-W12 2-Port USB Wall Charger
- UAC-1B 1-Port USB Wall Charger

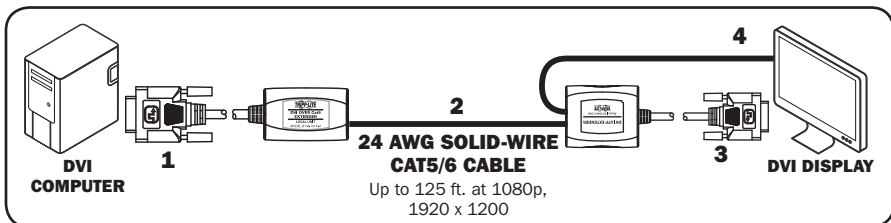
System Requirements

- Computer with a DVI output port
- Display with a DVI input port

Installation

Notes:

1. Test to make sure the entire installation works properly before pulling cables through ceilings/walls.
2. To achieve maximum distance and performance, 24 AWG solid wire Cat5e/6 cable must be used. The use of stranded wire Cat5e/6 cable or cable with a gauge size higher than 24 AWG will result in a shorter extension distance. All Tripp Lite N202-Series Cat6 cables are made with 24 AWG solid-wire cabling.
3. Make sure the power to all connected devices is turned off prior to installation.



1. Connect the transmitter unit's built-in DVI cable to the computer's DVI output port.
2. Connect the RJ45 port on the transmitter to the RJ45 port on the receiver using Cat5e/6 cable.
Note: See the installation diagram for maximum extension distance and video resolutions.
3. Connect the receiver unit's built-in DVI cable to a DVI monitor input port.
4. Connect the included USB Micro-B cable to the receiver unit and a USB port on the display or a USB wall outlet.
5. Power on the DVI source and DVI display. The green LEDs on the transmitter's and receiver's RJ45 ports will illuminate to indicate they are receiving power. The orange LEDs on the receiver's RJ45 ports will illuminate to indicate it is receiving a signal from the source.
Note: The orange LED on the transmitter's RJ45 port does not illuminate.
6. If necessary, adjust the Equalization control on the remote unit to improve the video image.
Note: An improper Equalization setting can cause the monitor to not display a picture. Try each Equalization setting until an acceptable image is displayed.

Troubleshooting

If you are unable to get an acceptable image after following the installation instructions, try the troubleshooting tips below:

- 1. Is the USB Micro-B cable that shipped with the product connected and plugged into a working power source?** For the product to function properly, the receiver must be connected to and receiving power from the USB Micro-B cable.
- 2. Was the power to the DVI source turned off prior to installation?** If not, restart your computer.
- 3. What resolution are you trying to reach?** See the **Installation** section in this manual for details on maximum distance and resolution. The shorter the extension distance, the higher the resolution you will be able to obtain. If you are not able to get an acceptable image, try lowering your computer's video resolution or adjusting the refresh rate.
- 4. What type of cabling are you using?** Inferior cabling can result in poor performance, so it is important that you use cables that can support the video resolution you are trying to obtain. To achieve maximum distance and resolution, 24 AWG solid-wire UTP cable (such as Tripp Lite's N202-Series cables) must be used.
- 5. Test your cables to ensure they are working properly.** For example, connect your Cat5e/6 cable between a computer and a network to verify that it establishes a network connection.
- 6. Do you have any patch panels or other devices in between the transmitter and receiver units?** Tripp Lite's DVI over Cat5 Extender Kit is designed to be connected directly from the transmitter to the receiver via UTP cable. The more connection points that are between the source and the remote monitor, the more likely signal degradation will occur, causing poor performance. If you have a patch panel or other device in between, it should be removed from the installation.
- 7. Do you have a splitter, switch or other device in between the computer and transmitter, or in between the receiver and display?** Tripp Lite's DVI over Cat5 Extender Kit is designed for the transmitter to connect directly with the source computer and for the receiver to connect directly to the display. If you have a splitter, switch, or other device in between, it should be removed from the installation.
- 8. Check your cabling for any damage that may have occurred during installation.** If a cable connector is loosened from pulling through ceilings/walls or the cable jacket is damaged, causing the wiring to be exposed, you will not be able to achieve maximum performance.
- 9. Are the transmitter and/or receiver units located in an area that exposes them to elevated temperatures?** If the product is overheating, it will not function properly.

Warranty and Product Registration

1-YEAR LIMITED WARRANTY

TRIPP LITE warrants its products to be free from defects in materials and workmanship for a period of one (1) year from the date of initial purchase. TRIPP LITE's obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. To obtain service under this warranty, you must obtain a Returned Material Authorization (RMA) number from TRIPP LITE or an authorized TRIPP LITE service center. Products must be returned to TRIPP LITE or an authorized TRIPP LITE service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment, which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

EXCEPT AS PROVIDED HEREIN, TRIPP LITE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

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PRODUCT REGISTRATION

Visit www.tripplite.com/warranty today to register your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

FCC Notice, Class B

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B 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.

Any changes or modifications to this equipment not expressly approved by Tripp Lite could void the user's authority to operate this equipment.

WEEE Compliance Information for Tripp Lite Customers and Recyclers (European Union)



Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Tripp Lite they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended. Do not use this equipment in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.



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