

# Owner's Manual

## HDMI over Cat5 Active Extender

Models: B126-1A1-U and B126-1A0-U

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## Product Features

- Extends a 1080p HDMI audio/video signal up to 125 ft. from the source
- B126-1A0-U works with a B126-002\* or B126-004\* extender/splitter transmitter unit
- Additional HDMI port allows for the connection of a local monitor (B126-1A1-U only)
- 3D and HDCP compliant
- Receiver units feature a built-in equalization control to adjust video image
- USB Micro-B ports supply power to the B126-1A1-U and B126-1A0-U; no external power supplies required
- Supports stereo audio
- Compatible with all operating systems
- No software or drivers required

\*For details on the B126-002 and/or B126-004, reference the owner's manual included with the unit. The manual can also be found at [www.tripplite.com/support](http://www.tripplite.com/support).

## Package Includes

- Transmitter\* and Receiver units
- USB Micro-B Cable(s) – 3 ft.\*
- Screwdriver for Equalization adjustment
- Owner's Manual

\*The B126-1A1-U comes with both Transmitter and Receiver units, as well as two USB Micro-B cables. The B126-1A0-U comes with a Receiver unit and one USB Micro-B cable.

## Optional Accessories

- N202-Series Cat6 24 AWG, solid wire patch cables
- P568-Series High Speed HDMI cables
- UR05C-Series USB Micro-B Charge-Only Cables
- U280-002-W12 2-Port USB Wall Charger
- UAC-1B 1-Port USB Wall Charger

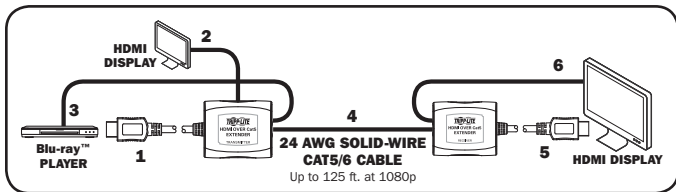
## System Requirements

- Computer, Blu-ray™, or other source with an HDMI output port
- Display with an HDMI port

## Extender Kit 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 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 devices you are connecting is turned off prior to installation.



1. Connect the built-in HDMI cable of the transmitter unit to the HDMI source.
2. **Optional:** Connect an HDMI monitor to the LOCAL port on the B126-1A1-U transmitter using a Tripp Lite P568-Series HDMI Cable.
3. Connect the included USB Micro-B Cable between the transmitter unit and a USB port on the source or a USB wall outlet.
4. Connect the RJ45 port on the transmitter to the RJ45 port on the receiver using Cat5e/6 cable.

**Note:** See the installation diagrams for maximum extension distance and video resolutions.

5. Connect the built-in HDMI cable of the receiver unit to an HDMI monitor input port.
6. Connect the included USB Micro-B cable between the receiver unit and a USB port on the display or a USB wall outlet.

## Extender Kit Installation

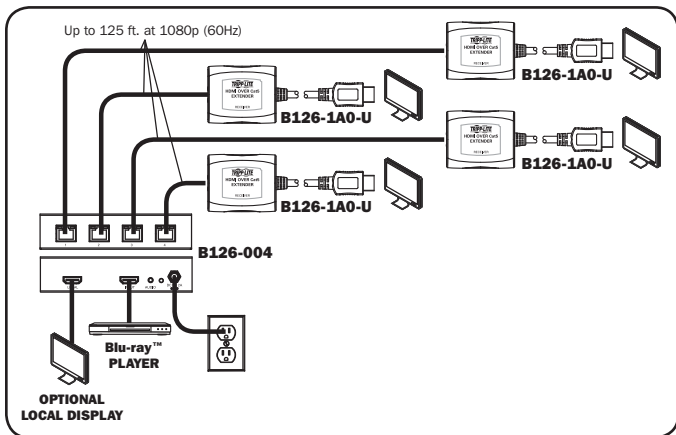
7. Turn on the power to the HDMI source and HDMI display. The green RJ45 LEDs on the transmitter and receiver units will illuminate to indicate they are receiving power. The orange RJ45 LEDs on the transmitter and receiver units will illuminate to indicate they are receiving a signal from the source.
8. If necessary, adjust the Equalization control on the receiver unit to improve the video image.

**Note:** An improper Equalization setting can cause the monitor to display no picture at all. Try each Equalization setting until an acceptable image is displayed.

## Extender/Splitter 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 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 devices you are connecting is turned off prior to installation.
4. The installation diagram shows the B126-004 local transmitter unit. The B126-002 installation is the same, except there are only 2 remote ports and no local monitor port.



## Extender/Splitter Installation

1. Connect the HDMI source to the INPUT port on the B126-002 or B126-004 using a Tripp Lite P568-Series HDMI Cable.
2. **Optional for B126-004:** Connect an HDMI monitor to the LOCAL port on the B126-004 using a Tripp Lite P568-Series HDMI Cable.
3. Connect the external power supply to the transmitter unit and plug it into a Tripp Lite Surge Protector, PDU or UPS. The green LED illuminates to indicate the unit is receiving power from the external power supply.
4. Using Cat5e/6 cable, connect one of the RJ45 output ports on the transmitter unit to the RJ45 input port on the B126-1A0-U.
5. Connect the B126-1A0-U to a monitor using its built-in HDMI Cable.
6. Connect the included USB Micro-B cable to the port on the B126-1A0-U and a USB port on the display or a USB wall outlet. The green LED will illuminate, indicating the unit is receiving power from the USB Micro-B port.
7. Repeat Steps 4-7 for each additional B126-1A0-U in the installation.
8. Turn on the power to the HDMI source and HDMI displays. The orange RJ45 LEDs illuminate on both transmitter and receivers to indicate the unit is receiving a signal from the source. The screen should now be displayed on the connected monitors.
9. If necessary, use the Equalization control on the B126-1A0-U to adjust the video image.

**Note:** An improper Equalization setting can cause the monitor to display no picture at all. Try each Equalization setting until an acceptable picture 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 came with the product connected and plugged into a working power source? For the product to function properly, the transmitter and receiver must be connected to and receiving power from the USB Micro-B cable.
2. Was the power to the HDMI source turned off prior to installation? If not, restart.
3. What resolution are you trying to reach? See the **Product Features** and **Installation** sections 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 HDMI over Cat5 extender kits were 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.



## Troubleshooting

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 HDMI over Cat5 extender kits were 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.

EXCEPT AS PROVIDED ABOVE, IN NO EVENT WILL TRIPP LITE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, TRIPP LITE is not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise.

## Product Registration

Visit [www.tripplite.com/warranty](http://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.

## Warranty and Product Registration

- 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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