

# Owner's Manual

## HDBaseT HDMI Over Cat5/Cat6 Extenders

### Extender Kit Models:

BHDBT-K-SI, BHDBT-K-SI-ER, BHDBT-K-SI-LR

### Matrix Transmitter Models:

BHDBT-T-SI-4X2, BHDBT-T-SI-4X4

### Transceiver Models:

BHDBT-TR-SI, BHDBT-TR-SI-ER, BHDBT-TR-SI-LR

### Receiver Models:

BHDBT-R-SI, BHDBT-R-SI-ER, BHDBT-R-SI-LR

### PROTECT YOUR INVESTMENT!

Register your product for quicker service  
and ultimate peace of mind.

You could also win an ISOBARGULTRA  
surge protector—a \$50 value!

[www.triplite.com/warranty](http://www.triplite.com/warranty)



1111 W. 35th Street, Chicago, IL 60609 USA • [www.triplite.com/support](http://www.triplite.com/support)

Copyright © 2015 Tripp Lite. All rights reserved.  
All trademarks are the sole property of their respective owners.

## Table of Contents

<b>Package Contents</b>	<b>2</b>
<b>Product Features</b>	<b>3</b>
<b>Optional Accessories</b>	<b>5</b>
<b>Mounting Instructions</b>	<b>5</b>
<b>Installation</b>	<b>6</b>
Standard Extender Kit Installation	6
Extender Kit with Transceiver Installation	8
Matrix Transmitter Installation	10
<b>RS-232 Serial Control (Matrix Transmitter Units Only)</b>	<b>13</b>
<b>Troubleshooting</b>	<b>14</b>
<b>Warranty and Product Registration</b>	<b>15</b>
<b>Regulatory Compliance</b>	<b>16</b>

## Package Contents

	BHDBT-K-SI	BHDBT-K-SI-ER	BHDBT-K-SI-LR	BHDBT-T-SI-4X4	BHDBT-T-SI-4X2	BHDBT-TR-SI	BHDBT-TR-SI-ER	BHDBT-TR-SI-LR	BHDBT-R-SI	BHDBT-R-SI-ER	BHDBT-R-SI-LR
Transmitter (T), Transceiver (TR), Receiver (R), Kit (K)	K	K	K	T	T	TR	TR	TR	R	R	R
External Power Supply (1, 2)	2	2	2	1	1	1	1	1	1	1	1
IR-In Cables (0, 1, 2)	1	1	1	0	0	0	0	0	1	1	1
IR-Out Cables (0, 1, 2)	1	1	1	0	0	0	0	0	1	1	1
Remote Control	N	N	N	Y	Y	N	N	N	N	N	N
IR Extension Cable	0	0	0	1	1	0	0	0	0	0	0
3.5 mm to DB9 M/F Adapter Cable	1	1	1	1	1	0	0	0	1	1	1
3.5 mm to DB9 M/M Adapter Cable	1	1	1	0	0	0	0	0	1	1	1
Mounting Hardware	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Owner's Manual	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

## Product Features

- Extends HDMI audio/video, RS-232 Serial and IR Control Signals over Cat5/6 cabling.
- Supports 7.1-channel surround sound, DTS-HD and Dolby True HD audio.
- Uses a 39 KHz IR frequency.
- Supports RS-232 Serial full-duplex baud rates up to 3 Mbps.
- EDID, HDCP and 3D compatible.
- Includes mounting hardware that allows unit to be wall-mounted, rack mounted or pole mounted.
- Matrix transmitter units allow multiple HDMI inputs to be connected and distributed among multiple outputs.
- Transceiver units extend and expand your installation, allowing for multiple monitor connections at different points in a chain. Up to five (5) transceivers and one (1) receiver can be connected in a chain, with each unit being able to extend its maximum distance from the previous unit (see the table below for details on maximum distances supported).
- Plug and play; no software or drivers required.

## Product Features

Model	Unit Type	4K Max Distance - Cat6a	4K Max Distance - Cat5e / Cat6	1080p Max Distance - Cat6a	1080p Max Distance - Cat5e / Cat6	Compatible Models
<b>A. BHDBT-K-SI</b>	Kit	130 ft. (40 m)	115 ft. (35 m)	230 ft. (70 m)	200 ft. (60 m)	F
<b>B. BHDBT-K-SI-ER</b>	Kit	N/A	N/A	500 ft. (150 m)	500 ft. (150 m)	G
<b>C. BHDBT-K-SI-LR</b>	Kit	328 ft. (100 m)	230 ft. (70 m)	328 ft. (100 m)	328 ft. (100 m)	H
<b>D. BHDBT-T-SI-4X4</b>	Matrix Transmitter	Install Based*	Install Based*	Install Based*	Install Based*	F, G, H, I, J, K
<b>E. BHDBT-T-SI-4X2</b>	Matrix Transmitter	Install Based*	Install Based*	Install Based*	Install Based*	F, G, H, I, J, K
<b>F. BHDBT-TR-SI</b>	Transceiver	130 ft. (40 m)	115 ft. (35 m)	230 ft. (70 m)	200 ft. (60 m)	A, D, E, I
<b>G. BHDBT-TR-SI-ER</b>	Transceiver	N/A	N/A	500 ft. (150 m)	500 ft. (150 m)	B, D, E, J
<b>H. BHDBT-TR-SI-LR</b>	Transceiver	328 ft. (100 m)	230 ft. (70 m)	328 ft. (100 m)	328 ft. (100 m)	C, D, E, K
<b>I. BHDBT-R-SI</b>	Receiver	130 ft. (40 m)	115 ft. (35 m)	230 ft. (70 m)	200 ft. (60 m)	D, E, F
<b>J. BHDBT-R-SI-ER</b>	Receiver	N/A	N/A	500 ft. (150 m)	500 ft. (150 m)	D, E, G
<b>K. BHDBT-R-SI-LR</b>	Receiver	328 ft. (100 m)	230 ft. (70 m)	328 ft. (100 m)	328 ft. (100 m)	D, E, H

\* The BHDBT-T-SI-4X4 and BHDBT-T-SI-4X2 are compatible with all transceiver and receiver units. The max distance that can be achieved will be determined by the transceiver and/or receiver being used.

## Optional Accessories

- N001-Series Cat5 Patch Cables
- N022-01K-GY Cat5 24 AWG Solid Wire Bulk Cable – 1,000 ft.
- N202-Series Cat6 24 AWG Solid Wire Patch Cables
- N222-01K-BL Cat6 24 AWG Solid Wire Bulk Cable – 1,000 ft.
- P520-006 RS232 Serial Extension Cable – 6 ft.
- P568-Series High Speed HDMI Cables

## Mounting Instructions

The HDBaseT HDMI Over Cat5 / Cat6 Extender products come with mounting hardware that allows them to be mounted in a variety of ways. The following images show the different ways the included mounting brackets can be attached for different mounting methods.

**Note:** The images below show a B126-1A1 unit, but mounting is the same for the HDBaseT extender products.

### Wallmount



### 19" rackmount



### Pole Mount

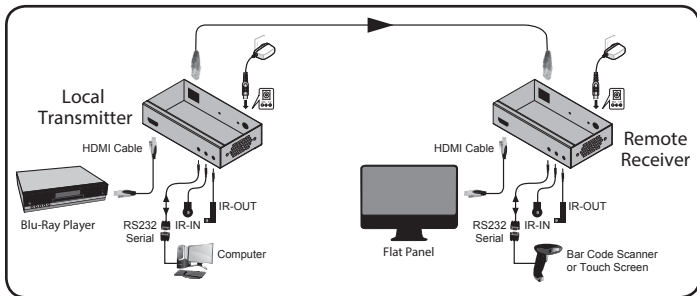


## Installation

### Standard Extender Kit Installation

#### Notes:

1. See the Product Features section of this manual for information on your model's maximum supported distances and resolutions.
2. Test to make sure the entire installation works properly before pulling cables through ceilings/walls.
3. To achieve maximum distance and performance, use 24 AWG solid wire Cat5e/6 or 23 AWG solid wire Cat6a cable. Using stranded wire cable or cable with a gauge (AWG) size higher than that recommended will result in a shorter extension distance. Higher gauge cabling such as 26 AWG has a more limited transmission capability than lower-gauge cabling. All Tripp Lite N202-Series Cat6 cables are made with 24 AWG solid wire cabling. Extended lengths of 23 AWG solid wire Cat6a cable are available from Tripp Lite as a custom order.
4. When using a 28 AWG HDMI cable and displaying video resolutions higher than 1080p, the HDMI cables connecting the source and the monitor must not exceed 6 feet. When using a 24 AWG HDMI cable, you must not exceed a 16-foot length.
5. The transmitter and receiver included in each kit are compatible with each other only. You cannot mix and match transmitters and receivers from different kits. For example, a BHDBT-K-SI transmitter will not work with a BHDBT-K-SI-ER receiver.
6. Each kit includes one set of IR-IN and IR-OUT cables. It is up to the user to determine whether the cables will be used to extend an IR signal from the transmitter side to the receiver side, or the receiver side to the transmitter side. In most installations, the cables will be used to control the HDMI source (e.g., Blu-ray player) from the same location as the monitor connected to the receiver.



## Installation

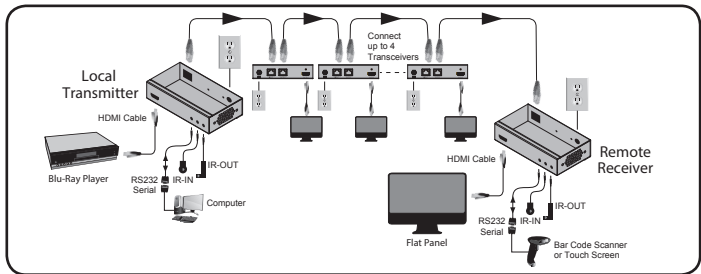
1. Make sure that the HDMI and RS-232 serial source is powered off.
2. Connect the HDMI source to the HDMI Input port on the local transmitter unit.
3. Connect the included 3.5 mm Male-to-DB9 female adapter cable to the RS-232 port on the local transmitter unit, then connect the computer to the adapter.
4. Connect the IR-IN cable to the IR-IN port on the local transmitter unit.  
**Note:** *The IR-IN unit accepts a signal from a remote control and sends it to a device that is controlled on the other end of the installation. Position the IR-IN unit in an unobstructed area that can easily accept a remote control signal.*
5. Connect the IR-OUT cable to the IR-OUT port on the local transmitter unit.  
**Note:** *The IR-OUT unit receives the signal from the remote control on the other end of the installation and sends it to the device being controlled. Locate the IR-OUT unit in an area close to the remote-controlled device (e.g., Blu-Ray player, TV).*
6. Connect the external power supply to the local transmitter unit and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
7. Connect the RJ45 Output port on the local transmitter unit to the RJ45 Input port on the remote receiver unit using Cat5e/6/6a cable.
8. Connect the HDMI monitor to the HDMI Output port on the remote receiver unit.
9. Connect the included 3.5 mm male-to-DB9 male adapter cable to the RS-232 port on the remote receiver unit, then connect the RS-232 device to the adapter.
10. Connect the IR-IN cable to the IR-IN port on the remote receiver unit.  
**Note:** *The IR-IN unit accepts a signal from a remote control and sends it to a device controlled on the other end of the installation. Position the IR-IN unit in an unobstructed area that can easily accept a remote control signal.*
11. Connect the IR-OUT cable to the IR-OUT port on the remote receiver unit.  
**Note:** *The IR-OUT unit receives the signal from the remote control on the other end of the installation and sends it to the device being controlled. Locate the IR-OUT unit in an area close to the remote-controlled device (e.g., Blu-ray player, TV).*
12. Connect the external power supply to the remote receiver unit and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
13. Turn on the power to the HDMI source and RS-232 serial source.

# Installation

## Extender Kit with Transceiver Installation

### Notes:

1. The below installation diagram and instructions are for an HDBaseT HDMI over Cat5 Extender Kit installation, though installation will be similar if you purchase the transmitter and receiver units separately.
2. See the Product Features section of this manual for models compatible with your transceiver and for information on the maximum supported distances and resolutions for your model.
3. Although transceiver units transmit RS-232 serial and IR Control signals from the transmitter to the receiver, they do not feature their own RS-232 and IR Control ports.
4. Test to make sure the entire installation works properly before pulling cables through ceilings/walls.
5. To achieve maximum distance and performance, use 24 AWG solid wire Cat5e/6 or 23 AWG solid wire Cat6a cable. Using stranded wire cable or cable with a gauge (AWG) size higher than that recommended will result in a shorter extension distance. Higher gauge cabling such as 26 AWG has a more limited transmission capability than lower gauge cabling. All Tripp Lite N202-Series Cat6 cables are made with 24 AWG solid wire cabling. Extended lengths of 23 AWG solid wire Cat6a cable is available from Tripp Lite as a custom order.
6. When using a 28 AWG HDMI cable and displaying video resolutions higher than 1080p, the HDMI cables connecting the source and the monitor must not exceed 6 feet. When using a 24 AWG HDMI cable, you must not exceed a 16-foot length.
7. Each kit includes one set of IR-IN and IR-OUT cables. It is up to the user to determine whether the cables will be used to extend an IR signal from the transmitter side to the receiver side, or the receiver side to the transmitter side. In most installations, the cables will be used to control the HDMI source (e.g., Blu-ray player) from the same location as the monitor connected to the receiver.



1. Make sure that the HDMI source and RS-232 serial source is powered off.
2. Connect the HDMI source to the HDMI Input port on the local transmitter unit.
3. Connect the included 3.5 mm male-to-DB9 female adapter cable to the RS-232 port on the local transmitter unit, then connect the computer to the adapter.



## Installation

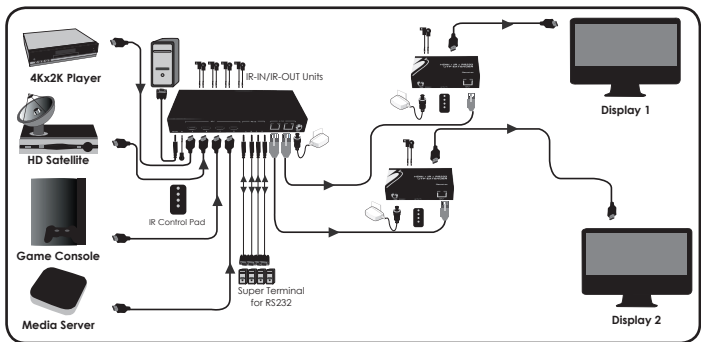
4. Connect the IR-IN cable to the IR-IN port on the local transmitter unit.  
**Note:** *The IR-IN unit accepts a signal from a remote control and sends it to a device controlled on the other end of the installation. Position the IR-IN unit in an unobstructed area that can easily accept a remote control signal.*
  5. Connect the IR-OUT cable to the IR-OUT port on the local transmitter unit.  
**Note:** *The IR-OUT unit receives a signal from the remote control on the other end of the installation and sends it to the device being controlled. Locate the IR-OUT unit in an area close to the remote-controlled device (e.g., Blu-ray player, TV).*
  6. Connect the external power supply to the local transmitter unit and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
  7. Connect the RJ45 Output port on the local transmitter unit to the RJ45 Input port on the transceiver unit using Cat5e/6/6a cable.
  8. **(Optional)** Connect the HDMI monitor to the HDMI Output port on the transceiver unit.
  9. Connect the external power supply to the transceiver unit and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
- Up to five transceiver units can be inserted in-between the transmitter and receiver units of your HDBaseT HDMI over Cat5 Extender Kit. To connect additional transceiver units, repeat steps **7** through **9**. To complete your installation with a receiver unit, proceed to step **10**.
10. Connect the RJ45 Output port on the last transceiver unit in the chain to the RJ45 Input port on the receiver unit using Cat5e/6/6a cable.
  11. Connect the HDMI monitor to the HDMI Output port on the remote receiver unit.
  12. Connect the included 3.5 mm male-to-DB9 male adapter cable to the RS-232 port on the remote receiver unit, then connect the RS-232 device to the adapter.
  13. Connect the IR-IN cable to the IR-IN port on the remote receiver unit.  
**Note:** *The IR-IN unit accepts a signal from a remote control and sends it to a device controlled on the other end of the installation. Position the IR-IN unit in an unobstructed area that can easily accept a remote control signal.*
  14. Connect the IR-OUT cable to the IR-OUT port on the remote receiver unit.  
**Note:** *The IR-OUT unit receives the signal from the remote control on the other end of the installation and sends it to the device being controlled. Locate the IR-OUT unit in an area close to the remote-controlled device (e.g., Blu-ray player, TV).*
  15. Connect the external power supply to the remote receiver unit and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
  16. Turn on the power to the HDMI source and RS-232 serial source.

## Installation

### Matrix Transmitter Installation

#### Notes:

1. The below installation diagram and instructions are for a standard HDBaseT HDMI over Cat5 Matrix Transmitter installation. For instructions on adding transceivers to your installation, refer to the Extender Kit with Transceiver Installation section.
2. The installation diagram below shows a BHDBT-T-SI-4X2. Installation will be the same for the BHDBT-T-SI-4X4, except for the number of HDMI Output ports.
3. See the Product Features section of this manual for models compatible with your Matrix Transmitter and for information on your model's maximum supported distances and resolutions.
4. Test to make sure the entire installation works properly before pulling cables through ceilings/walls.
5. To achieve maximum distance and performance, use 24 AWG solid wire Cat5e/6 or 23 AWG solid wire Cat6a cable. Using stranded wire cable or cable with a gauge (AWG) size higher than that recommended will result in shorter extension distance. Higher gauge cabling such as 26 AWG has a more limited transmission capability than lower gauge cabling. All Tripp Lite N202-Series Cat6 cables are made with 24 AWG solid wire cabling. Extended lengths of 23 AWG solid wire Cat6a cable is available from Tripp Lite as a custom order.
6. When using a 28 AWG HDMI cable and displaying video resolutions higher than 1080p, the HDMI cables connecting the source and the monitor must not exceed 6 feet. When using a 24 AWG HDMI cable, you must not exceed a 16-foot length.
7. Each receiver unit includes one set of IR-IN and IR-OUT cables. It is up to the user to determine whether the cables will be used to extend an IR signal from the transmitter side to the receiver side, or the receiver side to the transmitter side. In most installations, the cables will be used to control the HDMI source (e.g., Blu-ray player) from the same location as the monitor connected to the receiver.



## Installation

1. Make sure that the HDMI source and RS-232 serial source is powered off.
2. **(Optional)** Connect the 3.5 mm male-to-DB9 female adapter cable included with the transmitter unit to the RS-232 port on the left rear of the unit, then connect the cable to the computer that will be serially controlling the unit.
3. **(Optional)** Connect the IR extension cable included with the transmitter unit to the 3.5 mm jack to the right of the RS-232 serial port mentioned in step 2. Position the cable's infrared sensor in an area that allows a direct line of sight between it and the remote control that came with the unit.
4. Connect the first HDMI source to the port on the switch marked Source A.
5. Repeat step 4 for each additional source you are connecting.
6. Connect the IR-IN cable included with the receiver unit to the IR-IN port on the local transmitter unit, starting with IR-IN Port A.  
*Note: The IR-IN unit accepts a signal from a remote control and sends it to a device controlled on the other end of the installation. Position the IR-IN unit in an unobstructed area that can easily accept a remote control signal.*
7. Connect the IR-OUT cable included with the receiver unit to the IR-OUT port on the local transmitter unit, starting with IR-OUT Port A.  
*Note: The IR-OUT unit receives the signal from the remote control on the other end of the installation and sends it to the device being controlled. Locate the IR-OUT unit in an area close to the remote-controlled device (e.g., Blu-Ray player, TV).*
8. There are four sets of IR-IN and IR-OUT ports which gives you the ability to remotely control each source and the monitor connected to the transmitter. Repeat steps 6 and 7 for each additional set of IR-IN and IR-OUT units you will be using.
9. Connect the 3.5 mm male-to-DB9 female adapter cable included with the receiver unit to RS-232 Port A, then connect the computer to the adapter.
10. There are four RS-232 ports that allow connection of an RS-232 device for each receiver unit connected to the transmitter. Repeat step 9 for each of the remaining RS-232 ports you will be using.
11. Connect the external power supply to the transmitter unit and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
12. Connect the RJ45 port marked Output 1 on the transmitter unit to the RJ45 Input port on a receiver unit using Cat5e/6/6a cable.
13. Connect the HDMI monitor to the HDMI Output port on the receiver unit.

## Installation

14. Connect the 3.5 mm male-to-DB9 female adapter cable included with the receiver unit to the RS-232 port on the receiver unit, then connect the RS-232 device to the adapter.
15. Connect the IR-IN cable included with the receiver unit to the IR-IN port on the remote receiver unit.  
**Note:** *The IR-IN unit accepts a signal from a remote control and sends it to a device to be controlled on the other end of the installation. Position the IR-IN unit in an unobstructed area that can easily accept a remote control signal.*
16. Connect the IR-OUT cable included with the receiver unit to the IR-OUT port on the remote receiver unit.  
**Note:** *The IR-OUT unit receives the signal from the remote control on the other end of the installation and sends it to the device being controlled. Locate the IR-OUT unit in an area close to the remote-controlled device (e.g., Blu-Ray player, TV).*
17. Connect the external power supply to the remote receiver unit and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
18. Repeat steps **12** through **17** for each additional RJ45 Output port on the transmitter that you will be connecting to a receiver unit.
19. Turn on the power to all HDMI and RS-232 serial devices in the installation.
20. Press the switch next to each set of Output LEDs to change the source being displayed on the corresponding Output monitor. You can also use the included remote control to switch between sources. To switch the source being displayed, press the button on the remote control of the desired *Output* port.

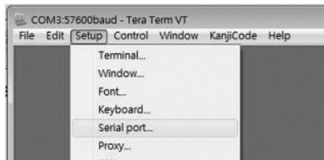
**Note:** *The same four-button remote control is included with both the BHDBT-T-SI-4X2 and BHDBT-T-SI-4X4. Buttons 3 and 4 will not be used for the BHDBT-T-SI-4X2.*

For details on using Terminal Emulation Software to control the switch, refer to the RS-232 Serial Control section of this manual.

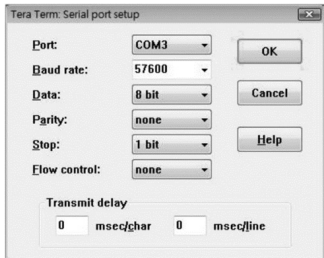
## RS-232 Serial Control (Matrix Transmitter Units Only)

Before using RS-232 serial control, you must first access Terminal Emulation Software and update the COM port settings.

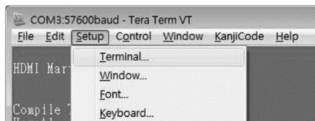
1. Go to the *Setup* drop-down menu and select the *Serial Port* option.



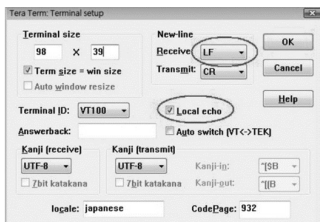
2. Select the COM port that is being used and update the remaining settings: Baud Rate (57600), Data (8 bit), Parity (none), Stop (1 bit), Flow Control (none).



3. Next, you will need to configure your software to allow input control. Go to the *Setup* drop-down menu and select the *Terminal* option.



4. Update the following settings: Receive (LF), Local Echo (enable). The other settings can remain unchanged.



5. Once these settings are updated, the Terminal Emulation Software will recognize the switch. Upon recognition, you will be able to enter commands to control the unit. The available commands are listed as follows:

Command	Action
sw[x] [n]	Switches the source being displayed on the selected output. [x] is the output (1, 2, 3, or 4) and [n] is the desired source (A, B, C, or D). For example, a command of sw1 A would display source A on output 1.
PWD	Turns power to the switch on/off.
STE	Displays the current output state, showing which source is being displayed on each output.

## Troubleshooting

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

- 1. Are the external power supplies that came with the product connected and plugged into a working power source?** For the product to function properly, it must be connected to and receiving power from the external power supply.
- 2. Was the power to the connected devices turned off prior to installation?** If not, restart them.
- 3. What resolution are you trying to reach?** Make sure that the desired resolution is supported by your model's maximum distance and resolution specifications as listed in the Product Features section of this manual. 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 to use cables that support the video resolution you are trying to obtain. To achieve maximum distance and resolution, 24 AWG solid wire Cat5e/6 cable or 23 AWG solid wire Cat6a cable must be used. Tripp Lite's N202-Series Cat6 cables are made with 24 AWG solid wire, as are the N022-01K-GY (Cat5) and N222-01K-GY bulk cables. Extended lengths of 23 AWG solid wire Cat6a cable is available from Tripp Lite as a custom order. The HDMI cables you are using must also support the video resolution you are trying to obtain. Inexpensive, low quality HDMI cables may not support the maximum resolution. When using a 28 AWG HDMI cable and displaying video resolutions higher than 1080p, the HDMI cables connecting the source and the monitor must not exceed 6 feet. When using a 24 AWG HDMI cable, you must not exceed a 16-foot length.
- 5. Test your cables to ensure they are working properly.** For example, connect your HDMI cables between a source and a monitor that you know works to see if the cable is functioning. For Cat5e/6 cable, connect it 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, repeater, and receiver units?** Tripp Lite's HDBaseT HDMI over Cat5 extender products are designed to be connected directly from the transmitter to the transceiver and/or receiver with UTP cable. The more connection points that are between the source and the remote monitor, the more likely it will be that 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. Check your cabling for any damages that may have occurred during installation.** If a cable connector is loosened from being pulled through ceilings/walls or the cable jacket is damaged causing the wiring to be exposed, you will not be able to achieve maximum performance.
- 8. Are the transmitter, transceiver, and/or receiver located in an area that exposes them to higher temperatures?** If the product is overheated, it will not function properly.
- 9. If you are having trouble getting your Terminal Emulation Software to recognize the switch, you may need to shut down your installation and start from the beginning.** The 3.5 mm to DB9 adapter cable must be connected first. Otherwise, the switch will not be recognized.
- 10. If you are still having trouble getting your Terminal Emulation Software to recognize the switch, check that your serial settings are set according to the instructions in the RS-232 Serial Control section of this manual.**

## 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.trippelite.com/warranty](http://www.trippelite.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.

## Regulatory Compliance

### 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

### WARNING

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 follows a policy of continuous improvement. Product specifications are subject to change without notice.



Manufacturing  
Excellence.

1111 W. 35th Street, Chicago, IL 60609 USA • [www.tripplite.com/support](http://www.tripplite.com/support)