

# Owner's Manual

## HDMI + RS232 Serial and IR Control over Cat5 Extender Kit

Model: B126-1A1SR

### Table of Contents

Package Contents	2
Optional Accessories	2
Product Features	3
Mounting Instructions	4
Installation Instructions	5
Warranty & Warranty Registration	7

### PROTECT YOUR INVESTMENT!

Register your product for quicker service and ultimate peace of mind.  
You could also win an ISOBAR6ULTRA surge protector—a \$50 value!

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



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

## **Package Contents**

- Local Transmitter and Remote Receiver Units
- Two sets of IR-IN Cables
- Two sets of IR-OUT Cables
- 3.5 mm Male-to-DB9-Female Adapter Cable
- 3.5 mm Male-to-DB9-Male Adapter Cable
- Two sets of External Power Supplies (Input: 100-240V, 50/60 Hz, 0.5A Output: 5V, 3A)
- Two sets of Mounting Hardware Kits
- Owner's Manual

## **Optional Accessories**

- N202-Series Cat6, 24 AWG, Solid Wire Patch Cables
- P520-006 6 ft. RS232 Serial Extension Cable
- P568-Series High Speed HDMI Cables

## Product Features

- Transmits a 1080p (60 Hz) signal past the standard 16 ft. (5 m) distance limitation over a single Cat5e/6 cable
- IR functionality allows you to use your HDMI source's remote control in the same location as your extended monitor
- Uses an IR frequency of 39 KHz
- Extend a 1080p signal up to 328 ft. (100 m) from the source
- Extend a full duplex RS232 Serial signal, such as from a touchscreen monitor, up to 328 ft. (100 m) from the source
- Supports RS232 Serial baud rates up to 3Mbps full duplex
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- HDCP- and 3D-compatible
- Plug and play; no software or drivers required
- Includes mounting hardware, allowing each unit to be wall mounted, rack mounted or pole mounted

## Mounting Instructions

The B126-1A1SR comes with mounting hardware that allows it 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 photos below are of the B126-1A1 HDMI extender, but the mounting brackets can be attached to the B126-1A1SR in the same way.

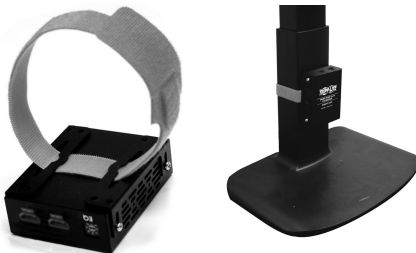
### Wallmount



### 19" Rackmount

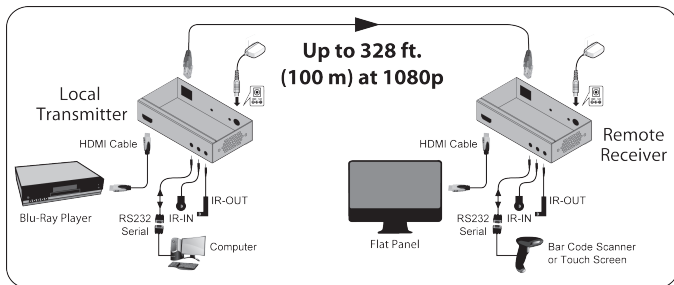


### Pole Mount



## Installation Instructions

**Note:** Test to make sure the entire installation works properly before pulling cables through ceilings/walls. To achieve maximum distance and performance, use a 24 AWG solid wire Cat5e/6 cable. Using a stranded wire Cat5e/6 cable, or a 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.



- 1** Make sure that the HDMI and RS232 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 RS232 port on the local transmitter unit, and then connect the computer to the adapter using a DB9 Serial cable.
- 4** Connect the IR-IN cable to the IR-IN port on the local transmitter unit.  
**Note:** Locate the IR-IN and IR-OUT units together in an area close to the source being controlled by remote (e.g., Blu-Ray player).
- 5** Connect the IR-OUT cable to the IR-OUT port on the local transmitter unit.  
**Note:** Locate the IR-IN and IR-OUT units together in an area close to the source being controlled by remote (e.g., Blu-Ray player).
- 6** Connect the external power supply to the local transmitter unit, and plug it into a Tripp Lite Surge Suppressor, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).

## Installation Instructions

- 7** Connect the RJ45 Output port on the local transmitter unit to the RJ45 Input port on the remote receiver unit using a Cat5e/6 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 RS232 port on the remote receiver unit, and then connect the RS232 device to the adapter using a DB9 Serial cable.
- 10** Connect the IR-IN cable to the IR-IN port on the remote receiver unit.  
**Note:** *Locate the IR-IN and IR-OUT units together in an area accessible to the remote control being used.*
- 11** Connect the IR-OUT cable to the IR-OUT port on the local transmitter unit.  
**Note:** *Locate the IR-IN and IR-OUT units together in an area accessible to the remote control being used.*
- 12** Connect the external power supply to the remote receiver unit, and plug it into a Tripp Lite Surge Suppressor, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
- 13** Turn on power to the HDMI and RS232 Serial source.

# Warranty & 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.

## 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.



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

15-01-270 • 933163\_RevB