

# Owner's Manual

## Wireless HDMI/DisplayPort Extender with IR Control

Model: B126-1D1-WHD1

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## Package Contents

- Mini Transmitter Unit
- Receiver Unit
- IR-In (Rx) Cable
- IR-Out (Tx) Cable
- USB-A to Micro-B Cable, 3 ft.
- DisplayPort to HDMI Adapter
- Right-Angle HDMI Adapter
- External Power Supply  
(Input: 100-240V, 50/60 Hz, 0.4A; Output: 5V 2A)\*
- Mounting Hardware
- Owner's Manual

\*Includes NEMA 1-15P (North America), CEE 7/16 Schuko (Europe), BS 1363 (UK) and AS/NZS 3112 (Australia) plugs

## Optional Accessories

- P568-Series High-Speed HDMI Cables
- U050-Series USB-A to Micro-B Cables
- U280-W01-QC3 USB Wall Charger with Quick Charge 3.0 Technology

## Product Features

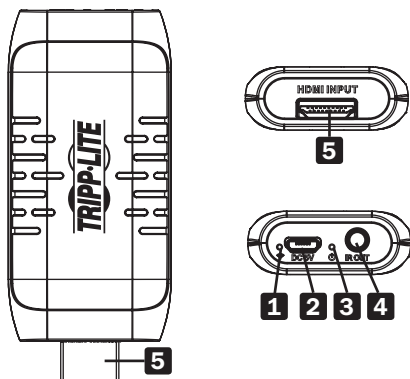
- All-in-one wireless extender kit extends 1080p (60 Hz) high definition video and stereo audio up to 165 ft./50 m
- IR control functionality lets you access the HDMI source device remotely
- Compatible with HDMI 1.3 and HDCP 1.2
- Supports up to 24-bit Deep Color (8 bits per channel)
- Supports maximum data transfer rate of 10.2 Gbps
- Uses a 5 GHz wireless frequency for faster data transmission and reduced interference from other wireless sources
- Plug-and-play functionality with no cabling infrastructure needed
  - o No software or drivers required
  - o Mini Transmitter Unit directly connects to a laptop or other source device
  - o Connect to a DisplayPort source using the included DisplayPort to HDMI Adapter
  - o Supports point-to-point connection

## System Requirements

- HDMI/DisplayPort Source Device
- HDMI Display Device

# Product Description

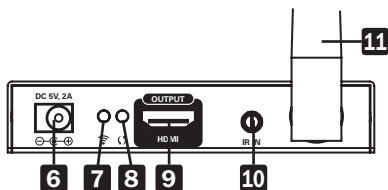
## Mini Transmitter Unit



- 1 Wireless Indicator:** LED will illuminate red when an HDMI signal is obtained and will blink when data is transmitting
- 2 Micro-B USB Port:** Use the included USB cable to connect the Mini Transmitter Unit to a powered device
- 3 Power Indicator:** LED will illuminate blue when power is being received
- 4 IR-Out (Tx) Port:** Use the included IR-Out (Tx) cable to connect to this port for remote control of the source device  
*Note: Make sure the source remote control is within the required range of IR transmitter*
- 5 HDMI Input (Male):** Connect to the HDMI port on the source device

# Product Description

## Receiver Unit

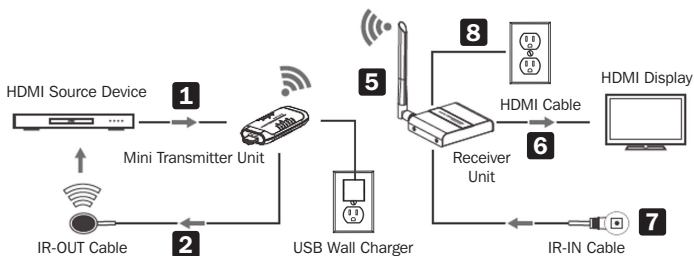


- 6 Power Input:** Connect the included power supply adapter to power the Receiver Unit
- 7 Wireless Indicator:** LED will illuminate green when a signal is received
- 8 Data Transmission Indicator:** LED will blink green when data is transmitting
- 9 HDMI Output (Female):** Use an HDMI cable (not included) to connect to the HDMI display
- 10 IR-IN (Rx) Port:** Use the included IR-IN (Rx) cable to connect to this port for remote control of the source device  
*Note: Make sure the source remote control is within the required range of IR receiver*
- 11 Antenna:** Connect the included antenna blade to receive wireless signals

# Installation

## Notes:

- Make sure all equipment being connected is powered off prior to installation.
- Make sure to position the IR cables near the source device and HDMI display for best results.
- If the wireless signal is obstructed by walls (especially brick or glass) or other sources of interference, the quality and distance of the signal will likely be reduced.



## Mini Transmitter Unit

- 1** Connect the built-in HDMI connector on the Mini Transmitter Unit to the HDMI source device.

**Note:** If experiencing a weak signal or signal loss, use the Right-Angle HDMI Adapter to connect the Mini Transmitter Unit to the HDMI source device. The Right-Angle HDMI Adapter will put the Mini Transmitter Unit in a vertical position to strengthen the signal.

## Installation

- 2 Connect the IR-OUT (Tx) cable to the IR-OUT port on the Mini Transmitter Unit.

**Note:** IR-OUT (Tx) cable has “IR-OUT” marked on the bottom of the IR bulb. Place the bulb of the IR-OUT (Tx) cable in an area with a direct line of sight to the HDMI source device.

- 3 To power the unit, connect the included USB Micro-B cable between the transmitter and a USB wall charger or a USB port on the source.

### Receiver Unit

- 4 **Optional:** Attach the included mounting hardware to the receiver unit and mount it to a desired location.

- 5 Attach the included antenna blade to the antenna port on the receiver unit.

- 6 Connect the HDMI display to the HDMI Output port on the receiver unit using a P568-Series High-Speed HDMI Cable (sold separately).

- 7 Connect the IR-IN (Rx) cable to the IR-IN port on the receiver unit.

**Note:** IR receiver cable has IR-IN marked on the bottom of the IR bulb. Place the bulb of the IR receiver cable in the general area you will be using the source device's remote control.

- 8 Connect the external power supply to the receiver unit, and plug it into a Tripp Lite Surge Protector, Uninterruptible Power Supply (UPS) or Power Distribution Unit (PDU).
- 9 Turn on power to the connected equipment.

## Troubleshooting

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

- 1. Is the included external power supply connected and plugged into a working power source?** For the product to function properly, the receiver must be connected to and receiving power from an external power supply.
- 2. Is the included USB cable connected between the USB Micro-B port on the mini transmitter unit and a power source?** The USB Micro-B port on the mini transmitter unit must be connected to a USB port on the source device or on a USB wall charger in order to power the unit.
- 3. Was the power to the HDMI source turned off prior to installation?** If not, restart.
- 4. What resolution are you trying to reach?** See the **Product Features** and **Installation** sections in this manual for details on maximum distance and resolution. If you are not able to get an acceptable image, try lowering the source device's video resolution or adjusting the refresh rate.
- 5. Is your mini transmitter unit and receiver unit not connecting to one another?** If the wireless connection LED indicators are not blinking correctly, restart either the mini transmitter or receiver unit, then reconnect the HDMI connector or cable. Also, make sure the mini transmitter and receiver units have a direct line of site to one other. If the line of sight between them is blocked by windows or walls, or there is no direct line of sight, the mini transmitter and receiver units will not be able to establish a connection.



## Troubleshooting

- 6. Is the Wi-Fi indicator on the receiver unit off and there is no output signal on the display?** If so, check that the HDMI signal connection on the mini transmitter unit is illuminating solid. If the signal is not solid, connect the source device directly to the display device to see if the issue is with the source, display or HDMI cable you are using.
- 7. Is the HDMI display transmitting a choppy picture?** If so, make sure the position of the mini transmitter and receiver units are in the required range, then restart the units and reconnect the HDMI connector and cable. If this does not work, check for other signal disturbances between the transmitter and receiver.
- 8. Is the Mini Transmitter Unit experiencing signal loss or a weak signal?** If so, make sure to connect the included Right-Angle HDMI Adapter between the HDMI source device and the Mini Transmitter Unit. The Right-Angle HDMI Adapter will put the Mini Transmitter Unit in a vertical position to strengthen the signal.
- 9. Test your cables to ensure they are working properly.**
- 10. Are the mini 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.

## Specifications

Input Ports	HDMI (Male), USB Micro-B (Female), 3.5 mm (Female)
Output Ports	HDMI (Female), 3.5 mm (Female)
IR Frequency	20-60 Hz Wide Range
Transmission Distance	165 ft. / 50 m
External Power	Mini Transmitter Unit: 5V 1A Receiver Unit: 5V 2A
Power Consumption	Mini Transmitter Unit: 3W Receiver Unit: 5W
HDMI Version	1.3
HDCP Version	1.2
Maximum Video Resolution	1920 x 1080 / 1080p @ 60 Hz
Input Maximum Transfer Rate	10.2 Gbps
Transmission Method	5 GHz Wireless Transmission
MTBF	>30,000 hours
Operating Temperature	32 to 104°F / 0 to 40°C
Storage Temperature	-4 to 158°F / -20 to 70°C
Humidity	0 to 90% RH, Non-Condensing
Unit Dimension (H x W x D, in inches)	Mini Transmitter Unit: 0.60 x 3.50 x 1.53 Receiver Unit: 0.74 x 3.82 x 3.07
Unit Dimension (H x W x D, in mm)	Mini Transmitter Unit: 15.2 x 88.9 x 39 Receiver Unit: 18.8 x 97 x 77.9
Unit Weight (lb.)	Mini Transmitter Unit: 0.07 Receiver Unit: 0.49
Unit Weight (g)	Mini Transmitter Unit: 30 Receiver Unit: 220

# 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.

# Warranty and Product Registration

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.

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



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