

# Owner's Manual

## UHD 4Kx2K HDMI Splitters

Models: B118-002-UHD, B118-004-UHD, B118-008-UHD

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Este manual esta disponible en español en la página de  
Tripp Lite: [www.tripplite.com](http://www.tripplite.com)

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## Product Features

- Simultaneously transmit video and audio from an HDMI source to multiple HDMI monitors
- Supports UHD 4Kx2K video resolutions up to 3840 x 2160 (24 Hz and 30 Hz) and 3D
- Supports 36-bit Deep Color (12 bits per channel)
- Supports DTS-HD, Dolby® TrueHD, Dolby Digital Plus™ and LPCM 7.1 Channel Surround Sound audio
- Supports video amplifier bandwidth of 340 MHz / 3.4 Gbps per channel (10.2 Gbps total)
- HDCP and EDID compatible
- Plug and play; no software or drivers required
- The B118-002-UHD features a built-in cable to connect to the source
- The B118-008-UHD includes an international power supply with compatible North American, UK, European and Australian plug adapters
- Supports lip sync pass-through
- Supports xvYCC and x.vColor
- Supports the use of DVI sources and displays with an optional DVI to HDMI adapter (sold separately)
- Supports a maximum distance of 16.4 ft. (5 m) from source to splitter, and 23 ft. (7 m) from splitter to display, for a total of up to 39.4 ft. (12 m)
- Cascade up to 3 levels of splitters to increase up to 512 connected monitors.

## Package Contents

- UHD 4K x 2K HDMI Splitter
- External Power Supply
  - B118-002-UHD (Input: 100-240V, 50/60Hz, 0.2A; Output: 5V 1A)
  - B118-004-UHD (Input: 100-240V, 50/60Hz, 0.35A; Output: 5V 2A)
  - B118-008-UHD (Input: 100-240V, 50/60Hz, 0.6A; Output: 5V 3A)\*
- Mounting Hardware (B118-008-UHD only)
- Owner's Manual

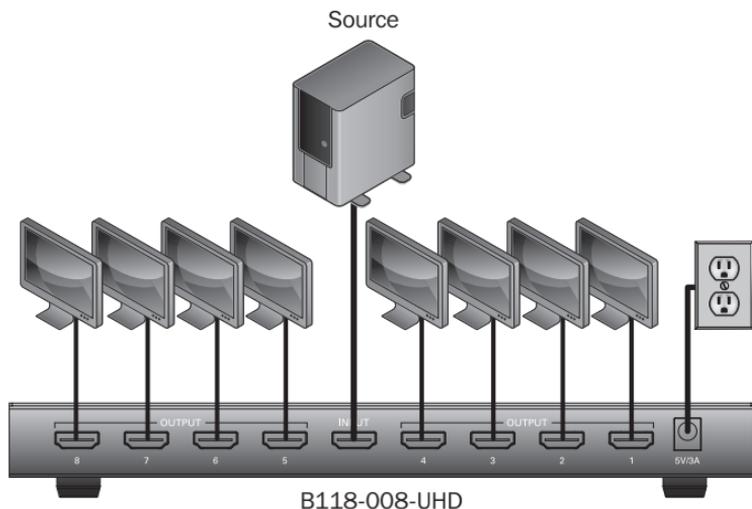
*\* Includes NEMA 1-15P (North America), CEE 7/16 Schuko (Europe), BS 1363 (UK) and AS/NZS 3112 (Australia) plugs.*

### Optional Accessories:

- P130-000 HDMI to DVI Adapter
- P566-Series HDMI to DVI Adapter Cables\*\*
- P568-Series High Speed HDMI Cables

*\*\*When using an HDMI to DVI adapter cable, only the video signal will be transmitted to the DVI monitor and video resolutions will be limited to those supported by the adapter.*

## Installation



### Notes:

- The maximum distances referenced in these instructions have been tested at a UHD 4K x 2K video resolution of 3840 x 2160 @ 24 Hz and 30 Hz with 36-bit (12 bits per channel) Deep Color using 28 AWG (0.08 mm<sup>2</sup>) HDMI cables. Longer distances between the splitter and connected monitors are achievable using 24 AWG (0.2 mm<sup>2</sup>) HDMI cables.
- When connecting monitors that support different maximum resolutions, the video resolution displayed will be limited to the lowest maximum resolution. For example, if connecting a combination of 1080p and 4K x 2K monitors, a 1080p video resolution will be displayed on all screens.

- 1** Make sure the power to all devices you will be connecting is turned off.
- 2** Connect the HDMI source to the Input port on the splitter.

**Note:** The length of the HDMI cable connecting the source to the splitter must not exceed 16.4 ft. (5 m).

## Installation

- 3 Connect an available Output port on the splitter to the HDMI input port of your display.

**Note:** The length of the HDMI cable connecting the splitter to the display must not exceed 23 ft. (7 m).

- 4 Repeat step 3 for the remaining Output ports on the splitter.
- 5 Connect the included power supply to the splitter, then plug it into a Tripp Lite Surge Protector, Power Distribution Unit (PDU), or Uninterruptible Power Supply (UPS).
- 6 Turn on the power to the HDMI source, splitter, and displays.

### Cascade Installation

The number of connected monitors can be expanded by cascading up to three levels of splitters together. Up to 512 displays can be connected by cascading a B118-008-UHD from each port in a three level installation. It is recommended you use Tripp Lite's P569-XXX-CERT Series Premium High-Speed HDMI cables.

- 1 Make sure the power to all the devices you will be connecting is turned off.

- 2 Connect the HDMI source to the Input port on the first level splitter.

**Note:** The length of the HDMI cable connecting the source to the splitter must not exceed 16 ft. (5 m).

- 3 Connect an available Output port on the first level splitter to the HDMI Input port on a second level splitter.

**Note:** The length of the HDMI cable connecting the first and second level splitters must not exceed 10 ft. (3 m).

- 4 Repeat Step 3 for each additional splitter you wish to add (no more than 3 levels of splitters can be cascaded).

- 5 Connect an available Output port on your splitter(s) to the display's HDMI Input port.

**Note:** The length of the HDMI cable connecting the splitter to the display must not exceed 16 ft. (5 m).

## Installation

- 6 Repeat Step 5 for the remaining Output ports in the installation.
- 7 Connect the included power supply to each splitter in the installation, then plug it into a Tripp Lite Surge Protector, Power Distribution Unit (PDU) or Uninterruptible Power Supply (UPS).
- 8 Turn on the power to the HDMI source and displays.

## Troubleshooting

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

- 1 **Press the reset button on the splitter** to reset the signal being sent to the connected displays.

*Note: The B118-002-UHD does not feature a reset button.*

- 2 **Is the external power supply 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.
- 3 **Was the power to the connected devices turned off prior to installation?** If not, restart them.
- 4 **What resolution are you trying to obtain?** Tripp Lite's UHD 4K x 2K HDMI splitters are tested to support video resolutions up to 3840 x 2160 @ 24 Hz and 30 Hz, at 36-bit Deep Color (12 bits per channel).
- 5 **What HDMI cable length are you using?** (See the **Installation** section in this manual for details on the maximum cable distance). The shorter the cable being used, the higher the resolution you will be able to obtain. If you are not able to receive an acceptable image, try using a shorter cable, or lowering your source's video resolution or color depth settings.

## Troubleshooting

- 6 What type of cabling are you using?** Inferior cabling can result in poor performance, so it is important you use cables that can support the video resolution you are trying to obtain. It is recommended you use Tripp Lite's P568-Series High Speed HDMI cables, as they have been tested to work with the B118-Series splitters.
- 7 Test your cables to ensure they are working properly.** For example, connect your HDMI cable between a source and monitor that you know works to see if the cable is functioning.
- 8 Is the unit located in an area that exposes it to higher temperatures?** If the product is overheated, it will not function properly.
- 9 Are you connecting monitors that have different maximum resolutions?** When doing so, the video resolution displayed will be that of the lowest maximum resolution supported among the connected monitors. For example, when connecting 1080p and 4K x 2K monitors, 1080p video will display.

## 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.

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# Warranty & Product Registration

## 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.

## 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.

## 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.

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



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