

# Owner's Manual

## HDMI Splitters

Models: B118-002, B118-004

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## Product Features

- Supports video resolutions up to 1080p at 36-bit Deep Color (12 bits per channel)
- Supports DTS-HD, Dolby True HD and 7.1 channel surround sound audio
- Supports High-Speed HDMI and 3D
- HDCP and EDID compatible
- Expands the number of connected displays by cascading multiple splitters
- Plug-and-play; no software or drivers required

## Package Contents

- B118-002 or B118-004 HDMI Splitter
- External Power Supply  
(Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A)
- Owner's Manual

## Optional Accessories

- 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.

## EDID Management

A dipswitch is located on the front of the splitter, allowing for EDID setting adjustments. See the **EDID Management Tables** section for the different settings options.

**Note:** The default factory setting is EDID mode 1. When in this mode, the unit will detect the first HDMI output's EDID settings and record them in the unit's memory. If there is no display on HDMI output 1, the device will switch to EDID mode 4 for the B118-002 or EDID Mode 6 for the B118-004.

## Standard Installation

**Note:** The maximum distances referenced in these instructions have been tested at a video resolution of 1080p (60Hz) with 36-bit Deep Color (12 bits per channel) using 28 AWG HDMI cables. Longer distances between the splitter and connected monitors are achievable using 24 AWG HDMI cables and/or a source set to display a lower video resolution.

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

**Note:** The length of the HDMI cable connecting the source to the splitter must not exceed 13 ft. (4 m).

3. Connect an available Output port on the splitter 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).

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

## Cascaded Installation

**Note:** The maximum distances referenced in these instructions have been tested at a video resolution of 1080p (60Hz) with 36-bit Deep Color (12 bits per channel) using 28 AWG HDMI cables. Longer distances between the splitter and connected monitors are achievable using 24 AWG HDMI cables and/or a source set to display a lower video resolution.

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 first level splitter.  
**Note:** The length of the HDMI cable connecting the source to the splitter must not exceed 13 ft. (4 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 16 ft. (5 m).
4. Repeat Step 3 for each additional splitter you wish to add (no more than six levels of splitters).
5. Connect an available Output port 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).
6. Repeat Step 5 for the remaining Output ports in the installation.
7. Connect the included power supply to each splitter, then plug 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 get an acceptable image after following the installation instructions, try these tips:

- 1. Press the reset button on the front of the splitter** to reset the signal being sent to the connected displays.
- 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 achieve?** Tripp Lite's HDMI splitters are tested to support up to 1080p @ 60Hz video resolution at 36-bit (12 bits per channel) Deep Color.
- 5. What HDMI cable length are you using?** (See the **Installation** section in this manual for details on 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.
- 6. What quality of cable are you using?** Inferior cabling can result in poor performance. It is important to use cables capable of supporting the video resolution you are trying to obtain. It is recommended you use cables that have been tested to work with the B118-Series splitters (like Tripp Lite's P568-Series High Speed HDMI cables).
- 7. Test your cables to ensure they are working properly.** For example, connect your HDMI cable between a trusted source and monitor to determine if the cable is functioning properly.
- 8. Is the unit located in an area that exposes it to higher temperatures?** The product will not function properly when overheated.

## EDID Management Tables

### B118-002

Mode	DIP Switch 1	DIP Switch 2	DIP Switch 3	DIP Switch 4	EDID Info
1	0	0	0	0	Copy HDMI output 1 EDID
2	1	0	0	0	Copy HDMI output 2 EDID
3	0	1	0	0	1080P/60Hz 24 bit, 7.1 ch. audio
4	1	1	0	0	1080P/60Hz 24 bit, 2 ch. audio
5	0	0	1	0	1080p/60Hz 36 bit, 7.1 ch. audio
6	1	0	1	0	1080p/60Hz 36 bit, 2 ch. audio
7	0	1	1	0	1080p/30Hz, 1080i/60Hz, 720p/60Hz, 24 bit 7.1 ch. Audio
8	1	1	1	0	1080p/30Hz, 1080i/60Hz, 720p/60Hz, 24 bit, 2 ch. audio
9	0	0	0	1	1080P/60Hz 24 bit, 3D, 2 ch. audio
10	1	0	0	1	Reserve
11	0	1	0	1	Reserve
12	1	1	0	1	Reserve
13	0	0	1	1	Reserve
14	1	0	1	1	Reserve
15	0	1	1	1	Reserve
16	1	1	1	1	Reserve

## EDID Management Tables

### B118-004

Mode	DIP Switch 1	DIP Switch 2	DIP Switch 3	DIP Switch 4	EDID Info
1	0	0	0	0	Copy HDMI output 1 EDID
2	1	0	0	0	Copy HDMI output 2 EDID
3	0	1	0	0	Copy HDMI output 3 EDID
4	1	1	0	0	Copy HDMI output 4 EDID
5	0	0	1	0	1080P/60Hz 24 bit, 7.1 ch. audio
6	1	0	1	0	1080P/60Hz 24 bit, 2 ch. audio
7	0	1	1	0	1080p/60Hz 36 bit, 7.1 ch. audio
8	1	1	1	0	1080p/60Hz 36 bit, 2 ch. audio
9	0	0	0	1	1080p/30Hz, 1080i/60Hz, 720p/60Hz, 24 bit, 7.1 ch. audio
10	1	0	0	1	1080p/30Hz, 1080i/60Hz, 720p/60Hz, 24 bit, 2 ch. audio
11	0	1	0	1	1080P/60Hz 24 bit, 3D, 2 ch. audio
12	1	1	0	1	Reserve
13	0	0	1	1	Reserve
14	1	0	1	1	Reserve
15	0	1	1	1	Reserve
16	1	1	1	1	Reserve

# Warranty and Product Registration

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.

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\* 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.
- 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.

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



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