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Owner's Manual

DisplayPort Multi-Display Splitter/Expanders

Models: B156-002, B156-002-DVI, B156-002-HDMI

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Product Features

- Split or expand a DisplayPort signal on two DisplayPort (B156-002), DVI (B156-002-DVI), or HDMI (B156-002-HDMI) monitors
- Supports video resolutions up to 1920 x 1080 @ 60Hz (or 3840 x 1080 @ 60Hz when monitors are set to extended mode)
- Supports 30-bit Deep Color (10-bits per channel)
- Supports HDCP, EDID and DDC
- B156-002-HDMI supports DTS-HD, Dolby True HD and 7.1 channel surround sound audio
- Monitor(s) can be located up to 35 ft. from the splitter (25 ft. for the B156-002)
- Comes with mounting hardware that allows the unit to be wall-mounted, rackmounted or pole mounted
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Contents

- B156-002, B156-002-DVI, or B156-002-HDMI Splitter
- Mounting Hardware
- External Power Supply (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A)

Optional Accessories:

- P583-Series Mini DisplayPort to DisplayPort Cables
- P580-Series DisplayPort Cables
- P568-Series High Speed HDMI Cables
- P566-Series HDMI to DVI Adapter Cables*
- P561-Series DVI-D Single-Link Cables

* When converting from DVI to HDMI, only a video signal will be transmitted. DVI does not support audio.

Mounting Instructions

The B156-002, B156-002-DVI, and B156-002-HDMI 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 B140-1A0, but the mounting hardware installation is the same for the B156-002, B156-002-DVI, and B156-002-HDMI.

Wallmount



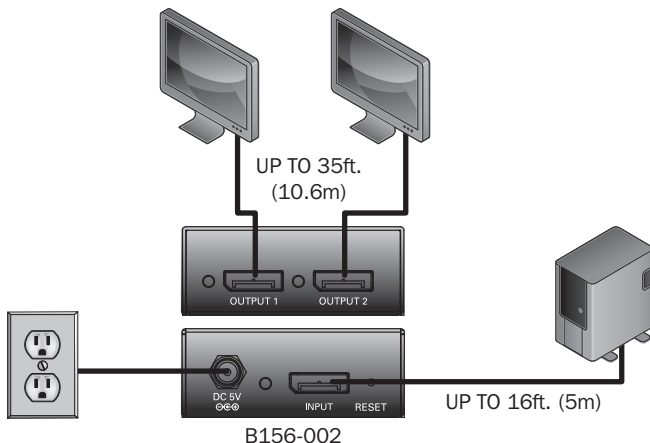
19" Rackmount



Pole Mount



Installation Instructions



Note: The installation diagram shows a B156-002, but installation will be the same for the B156-002-DVI and B156-002-HDMI.

- 1** Make sure the DisplayPort source is powered off.
- 2** Connect the source to the input port on the splitter using a P580-Series DisplayPort cable (or a P583-Series Mini DisplayPort to DisplayPort Cable). Note: The distance between the source and splitter must not exceed 16 ft. (5 m).
- 3** Connect the included external power supply to the splitter, and plug it into a Tripp Lite Surge Suppressor, Power Distribution Unit (PDU), or Uninterruptible Power Supply (UPS). The Green Power LED on the splitter will illuminate to indicate the unit is receiving power.
- 4** Connect a monitor to the Output 1 port on the splitter using a DisplayPort (for B156-002), DVI (for B156-002-DVI), or HDMI (for B156-002-HDMI) cable. Note: See the Optional Accessories listing in this manual (under Package Contents) for recommended cables. The distance between the splitter and monitor must not exceed 35 ft. (10.6 m).

Installation Instructions

- 5** Repeat step 3 to connect a monitor to the Output 2 port on the splitter.
- 6** Turn on the power to the source and connected monitors. The Orange port LEDs will illuminate to indicate that a signal is being received and video will appear on the connected monitors.
- 7** The connected monitors can be set to display in Mirror (Clone) or Extended modes. When in Mirror (Clone) mode, the maximum supported video resolution is 1920 x 1200 @ 60Hz. When in Extended mode, the connected monitors will be treated as one monitor, and the maximum supported video resolution will double to 3840 x 1200 @ 60Hz. When in Extended mode, you will need to make sure that your monitors are positioned accordingly, so that the video appears correctly and the mouse pointer moves from screen to screen in the proper order.

Troubleshooting

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

- 1** 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.
- 2** Was the power to the DisplayPort source turned off prior to installation? If not, restart your computer.
- 3** What resolution are you trying to reach? Tripp Lite's DisplayPort Splitters are tested to support up to 1920 x 1080 @ 60Hz video resolution (or 3840 x 1080 @ 60Hz when monitors are set to Extended mode). If you are not able to get an acceptable image, try lowering your computer's video resolution or adjusting the refresh rate.

Troubleshooting

- 4** What length cables are you using? The B156-Series splitters have been tested at a maximum distance of 16 ft. between the source and splitter, and 35 ft. (25 ft. for B156-002) between the splitter and connected monitors. Exceeding these lengths can decrease performance
- 5** What type of cabling are you using? Inferior cabling can result in poor performance, so it is important that you use cables that can support the video resolution you are trying to obtain. It is recommended that you use the Tripp Lite cables shown in the Optional Accessories listing in this manual, as they have been tested to work with the B156-Series Splitters.
- 6** Test your cables to ensure they are working properly. For example, connect your DisplayPort cables between a source and monitor that you know works to see if the cable is functioning.
- 7** Are you using a VGA to DVI adapter with the B156-002-DVI? The B156-002-DVI supports DVI-D (Digital) only, and will not function if connected to a VGA monitor.
- 8** If using a DVI to HDMI adapter with the B156-002-DVI or B156-002-HDMI, you will only be able to transmit a video signal. DVI does not support audio, and will not be able to send or receive an audio signal.

Warranty & Warranty 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.

WARRANTY REGISTRATION

Visit www.tripplite.com/warranty today to register the warranty for 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. 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.

Warranty & Warranty Registration

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.



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