

Owner's Manual

DisplayPort v1.2 Multi-Display Splitter/Expander

Model: B156-002

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Product Features

- Split or expand a DisplayPort signal on two DisplayPort monitors
- DisplayPort v1.2 compliant*
- Supports video resolutions up to 4K UHD, 3840 x 2160 @ 60Hz
- Supports up to 48-bit Deep Color (16 bits per channel)
- Supports HDCP, EDID and DDC
- Locate a monitor up to 25 ft. from the splitter when displaying video resolutions up to 1920 x 1080 @ 60Hz
- Locate a source up to 6 ft. from the splitter when displaying video resolutions from 1920 x 1080 @ 60Hz to 4K UHD, 3840 x 2160 @ 60Hz
- 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

** Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror mode only). Compatibility with older graphics cards is not guaranteed.*

System Requirements

- A computer with a DisplayPort v1.2 compatible graphics card. Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror mode only). Compatibility with older graphics cards is not guaranteed.
- A monitor with a DisplayPort port

Package Contents

- B156-002 Splitter
- Mounting Hardware
- External Power Supply (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A)
- Owner's Manual

Optional Accessories:

- P583-Series Mini DisplayPort to DisplayPort Cables
- P580-Series DisplayPort Cables

Mounting Instructions

The B156-002 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 images below show a B140-1A0, but the mounting hardware installation is the same for the B156-002.

Wall-mount



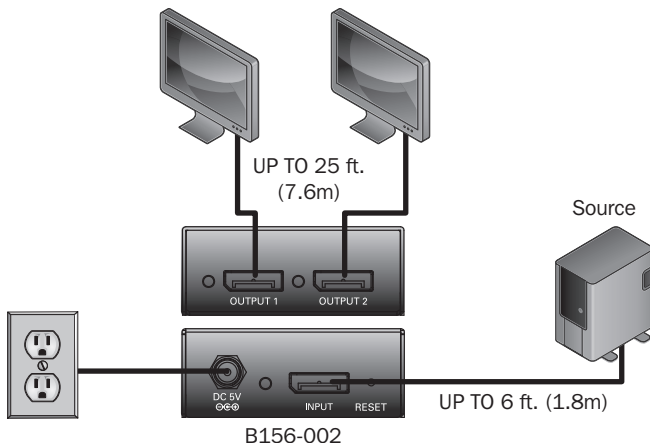
19" Rackmount



Pole Mount



Installation Instructions



Notes:

1. Prior to installation, make sure that your graphics driver is up-to-date by installing the latest driver available.
2. DisplayPort splitter is backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror mode only). Compatibility with older graphics cards is not guaranteed.

Installation Instructions

- 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:** *It's recommended that the distance between the source and splitter be no greater than 6 ft. (1.8m). Distances up to 16 ft. (5m) may be achievable, but are not guaranteed.*
- 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 cable. **Note:** *See the Optional Accessories listing in this manual (beneath the Package Contents section) for recommended cables. When displaying video resolutions up to 1920 x 1080 @ 60Hz, the distance between the splitter and the monitor must not exceed 25 ft. (7.6m). When displaying video resolutions from 1920 x 1080 @ 60Hz to 4K UHD, 3840 x 2160 @ 60Hz, the distance between the source and the splitter must not exceed 6 ft. (1.8m).*
- 5** Repeat step 4 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** Use your video cards display settings screen to make adjustments to the way video is displayed on the connected monitors. **Note:** *The DisplayPort splitter is backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror mode only). Compatibility with older graphics cards is not guaranteed.*

Troubleshooting

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

- 1** Is your equipment running the latest graphics driver? If not, download the latest graphics drivers for your equipment. Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror mode only). Compatibility with older graphics cards is not guaranteed.
- 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 DisplayPort source turned off prior to installation? If not, restart your computer.
- 4** What resolution are you trying to reach? Tripp Lite DisplayPort Splitters are tested to support video resolutions up to 4K UHD, 3840 x 2160 @ 60Hz. If you are not able to get an acceptable image, try lowering your computer's video resolution or adjusting the refresh rate.
- 5** What length cables are you using? The maximum cable lengths that can be used between the source and the splitter, and between the splitter and the monitors, is called out in the Installation section of this manual.
- 6** 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.
- 7** 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.

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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PRODUCT REGISTRATION

Visit 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. 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 & Product 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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