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› Tripp Lite 2-Port VGA Splitter with Signal Booster B114-002-R Instruction Manual

Tripp Lite B114-002-R

Tripp Lite 2-Port VGA Splitter with Signal Booster (Model B114-002-R) Instruction Manual

INTRODUCTION

The Tripp Lite 2-Port VGA/SVGA Video Splitter with Signal Booster (Model B114-002-R) allows for the simultaneous display of a single video source on two separate monitors. Featuring a built-in booster, this device supports high-resolution video signals up to 2048x1536 at 60Hz and can extend the transmission distance up to 210 feet from the source. This manual provides essential information for proper installation, operation, and maintenance of your video splitter.

PACKAGE CONTENTS

- Tripp Lite 2-Port HD15 VGA/SVGA Video Splitter with Signal Booster
- External Power Adapter
- Owner's Manual



The Tripp Lite VGA splitter unit shown alongside its power adapter and the included user manual.

FEATURES

- Simultaneously displays video on 2 VGA/SVGA monitors.
- Built-in booster transmits video signals (up to 1920 x 1080 @ 60Hz) up to 210 ft. from the source.

- Supports bandwidth up to 350MHz.
- Rugged, fully shielded metal housing for durability.
- Expandable by cascading up to 3 levels of splitters.

SETUP INSTRUCTIONS

1. Connecting the Splitter

1. Ensure all devices (computer, monitors) are powered off.
2. Connect the VGA output from your computer or video source to the **INPUT** port on the Tripp Lite video splitter using a VGA cable. The splitter can be located up to 25 ft. from the connected computer.
3. Connect your two VGA monitors to the **OUTPUT** ports on the splitter using VGA cables. The monitors can be located up to 185 ft. from the splitter.



Rear panel of the VGA splitter, illustrating the DC9V power input, one VGA input port, and two VGA output ports.

2. Powering On

4. Connect the included external power adapter to the DC9V, 0.5A input on the splitter and then plug it into a standard AC outlet.
5. Power on your monitors, then power on your computer or video source.
6. Verify that the Power LED on the front of the splitter illuminates, indicating it is receiving power.



Front panel of the VGA splitter, featuring the Tripp Lite logo, model number B114-002-R, and a power indicator LED.

OPERATION

Basic Operation

Once properly connected and powered, the Tripp Lite 2-Port VGA Splitter will automatically duplicate the video signal from your source to both connected monitors. No additional software or drivers are required for basic operation.

Cascading Multiple Splitters

For applications requiring more than two displays, multiple B114-002-R splitters can be cascaded. Connect an output port from the first splitter to the input port of a second splitter. This allows for expansion of the number of connected monitors. Up to 3 levels of splitters can be cascaded together.

MAINTENANCE

The Tripp Lite B114-002-R video splitter requires minimal maintenance. Keep the unit in a clean, dry environment away from direct sunlight and extreme temperatures. Periodically wipe the exterior with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure proper ventilation around the unit to prevent overheating.

TROUBLESHOOTING

Issue	Possible Cause	Solution
No video display on monitors.	- No power to splitter. - Loose or incorrect cable connections. - Source device not outputting signal. - Monitors not powered on or set to correct input.	- Verify power adapter is securely connected and Power LED is on. - Check all VGA cables for secure connections at both ends. - Ensure computer/source is powered on and outputting a signal. - Confirm monitors are powered on and set to the correct VGA input.
Fuzzy, distorted, or weak video signal.	- Poor quality VGA cables. - Excessively long cable runs. - Incorrect resolution/refresh rate setting.	- Use high-quality, shielded VGA cables. - Ensure cable lengths are within recommended limits (up to 25 ft from source to splitter, up to 185 ft from splitter to monitor). - Adjust the resolution and refresh rate on your computer to a supported setting (e.g., 1920x1080 @ 60Hz).
VGA connector does not fit properly.	- Incorrect cable type. - Obstruction or bent pins. - Mounting screws on cable interfering.	- Ensure you are using standard HD15 VGA cables. - Inspect connectors for bent pins or debris. - If cable has large mounting screws, ensure they do not obstruct the splitter's female input.

SPECIFICATIONS

Feature	Specification
Model Number	B114-002-R
Connector Type	VGA (HD15)
Number of Ports	1 Input, 2 Outputs
Bandwidth	350 MHz
Maximum Resolution	2048x1536 (at 60Hz)

Feature	Specification
Maximum Distance (Source to Splitter)	25 ft.
Maximum Distance (Splitter to Monitor)	185 ft.
Power Input	DC9V, 0.5A (External Power Adapter Included)
Housing Material	Metal
Item Weight	1.55 Pounds

WARRANTY INFORMATION

This Tripp Lite product is covered by a 1-year limited warranty. Please refer to the warranty documentation included with your product for specific terms and conditions. The warranty does not cover misuse of the product.

TECHNICAL SUPPORT

For technical assistance, troubleshooting, or product information, please visit the official Tripp Lite website or contact their customer support. Have your product model number (B114-002-R) available when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

