

Gefen

DVI DL Super Booster Plus

EXT-DVI-141DLBP

User Manual



www.gefen.com

ASKING FOR ASSISTANCE

Rev A1

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INTRODUCTION

Congratulations on your purchase of the DVI DL Super Booster Plus. Your complete satisfaction is very important to us.

Gefen

Gefen delivers innovative, progressive computer and electronics add-on solutions that harness integration, extension, distribution and conversion technologies. Gefen's reliable, plug-and-play products supplement cross-platform computer systems, professional audio/video environments and HDTV systems of all sizes with hard-working solutions that are easy to implement and simple to operate.

The Gefen DVI DL Super Booster Plus

The DVI DL Booster Plus uses a plug-in power supply which helps to extend sparkling clear video images to great distances (up to 200 feet at 2560x1600). Rest assured that with this product you can enjoy your computer desktop as if the computer was in the same room as the display.

To go beyond the limited inherent DVI distance or if you'd like to use two or more cables, our Boosters are a perfect option. They replicate digital video signals, enabling you to "daisy chain" cables and Boosters as far as you need to go.

How It Works

This plug and play installation takes mere seconds. Simply place the DVI-DL Super Booster Plus in the middle of two Dual-Link cables or at the end of a long DVI-DL cable extension. Make sure all video cables are connected properly at the source and destination ends. Attach the power cable to the DVI-DL Super Booster Plus. Power up (or restart) all equipment.

FEATURES

Features

- Perfects video sent over long stretches of Dual-Link DVI cables
- Extends DVI Dual Link displays away up to 200 feet
- Supports resolutions up to 3840x2400 @ 60 Hz
- Supports DDWG standards for DVI compliant monitors
- DDC Signal is amplified for better robustness when interfacing
- HDCP compliant

Package Includes

- (1) DVI DL Super Booster Plus
- (1) 5V DC Power Supply
- (1) User's Manual

PANEL LAYOUT

Front Panel



Back Panel



CONNECTING AND OPERATING THE DVI DL SUPER BOOSTER PLUS

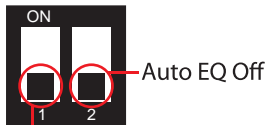
How to Connect the DVI DL Super Booster Plus

1. Connect the long DVI cable from the source into the “DVI In” on the front of the DVI DL Super Booster Plus. The DVI DL Super Booster Plus is placed next to your display to regenerate the DVI signal.
2. Connect a short DVI cable from the “DVI Out” connection in the back of the DVI DL Super Booster Plus to your display or projector
3. Plug the 5V DC power supply into the DVI DL Super Booster Plus.
4. Plug the 5VDC wall mount power supply into the wall outlet.

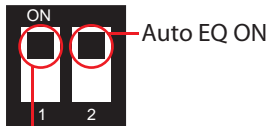
Manual Equalization

By default, DVI DL Super Booster Plus is set to manual equalization. The service Dip Switch 2, located on the underside of the unit behind a silver colored metallic sticker, must be in the OFF position for manual EQ to be enabled. Dip Switch 1 relates to manual EQ short and long cable settings. By default, Dip Switch 1 is in the long cable mode (OFF). Adjust the EQ Trim Pot on the front of the unit to eliminate video noise by inserting a small flat-head tool into the Trim Pot port. Turn the Trim Pot in very small increments to EQ the video signal until all video noise is eliminated. If a short cable is being used and there is either video noise that cannot be tuned out or no image at all in the long cable mode, change the manual EQ setting to short cable mode by turning Dip Switch 1 to the ON position. Re-insert the adjustment tool and EQ the video signal. Use the diagram on the next page to locate and view the location and settings of the Dip Switches.

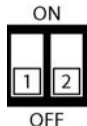
DIP SWITCH LOCATION



Manual EQ Long Cable



Manual EQ Short Cable



Dip Switch 2 can be used to turn on the automatic equalization function. Use this setting for ease of setup as this mode will automatically tune out unwanted video noise. To do this, turn Dip Switch 2 to the ON position. No manual adjustments to the EQ can be made in this mode using the EQ Trim Pot on the front of the unit. Dip Switch 1 will not have any effect in this mode. If video noise is still present in automatic EQ mode, return to manual EQ mode by turning Dip Switch 2 to the OFF position and manually tune the signal using the instructions on the previous page.

SPECIFICATIONS

Video Amplifier Bandwidth	2 x 165 MHz
Input Video Signal	1.2 Volts p-p
Input DDC Signal	5 volts p-p (TTL)
Maximum Dual Link Range	3840 x 2400 x 60hz
DVI Input/Output Connector Type	DVI-D (29 pin)
Power Consumption	5 Watts (max)
Power Supply.....	5V DC
Dimensions	2"W x 1"H x 2.5"D
Shipping Weight	2 Lbs