

Gefen

®

DVI DL Super Booster Plus EXT-DVI-141DLBP User Manual



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Notice

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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 3840x2400). 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 @ 30 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

DVI In

Power
LED

EQ Trim
Control



Back Panel

DVI Out



CONNECTING & OPERATING THE DVI DL SUPER BOOSTER PLUS

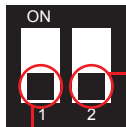
How to Connect the DVI DL Super Booster Plus

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

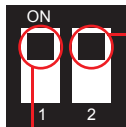
By default, DVI DL Super Booster Plus is set to manual equalization. The service Dip Switch 2, located on the underside of the unit behind a silver colored metallic sticker, must be in the OFF position for manual EQ to be enabled. Dip Switch 1 relates to manual EQ short and long cable settings. By default, 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



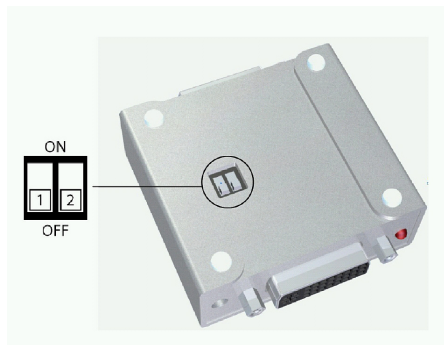
Auto EQ Off

Manual EQ Long Cable



Auto EQ On

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, 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 30hz
DVI Input/Output Connector Type	DVI-D (29 pin)
Power Consumption	5 Watts (max)
Power Supply.....	5V DC
Dimensions	2.2"W x 0.8"H x 2.3"D
Shipping Weight	1 Lbs

WARRANTY

Gefen warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications. The two year warranty is only valid on new products purchased as of January 2007. All products purchased before this date still retain their 1 year warranty. Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed. Please note that if a product is returned for repair, proof of sale may be required in order to claim the warranty. Customers returning products for repair from locations outside the USA are responsible for shipping charges to and from Gefen. The warranty for copper cables is limited to 30 days and returned cables must be in their original condition.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the features and specifications is subject to change without notice.

For the latest warranty coverage information, please visit Gefen's Warranty page at <http://www.gefen.com/kvm/aboutus/warranty.jsp>

PRODUCT REGISTRATION

Please register your product online by visiting Gefen's web site at <http://www.gefen.com/kvm/Registry/Registration.jsp>

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