

## Boost your dual link DVI

### DVI DL Booster PLUS

#### Extend the range of your Dual-Link video -- with increased signal robustness

Like our DVI DL Booster, the new DVI DL Booster Plus allows the extension of massive desktop resolutions over dual-link digital video cable well beyond its default limit of a 15-foot distance. Without such a device, sparkles or other objectionable mutations of the video signal can appear. Such degradations are completely unacceptable, especially where computer applications are concerned, where desktop images must be sharp, clear and bright for productive work to take place.

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.

With the new Plus model, improved DDC signal robustness is added, giving robustness to electrical signals that negotiate delicate resolution and frequency settings, for even greater precision than ever before.

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. You should now see flawless video at your remote desktop. That's all there is to it!

**Note:** The DVI-DL Super Booster Plus is HDCP pass-through.

#### 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

#### Specifications:

- Video Amplifier Bandwidth: 2 x 165 MHz
- Input Video Signal: 1.2 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- Dual Link Range: up to 3840x2400 @ 60 Hz
- DVI Connector: DVI-I (29 pin) female (digital only)
- Power Supply: 5V DC
- Power Consumption: 5 watts (max)
- Dimensions: 1.75"W x 1"H x 1.875"D
- Shipping Weight: 1 lb.

#### Package Includes:

- 1x 5V DC power supply
- 1x Users Manual



EXT-DVI-141DLBP

# Gefen

## DVI DL Super Booster Plus

EXT-DVI-141DLBP

User Manual



[www.gefen.com](http://www.gefen.com)

## ASKING FOR ASSISTANCE

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### Technical Support:

Telephone (818) 772-9100

(800) 545-6900

Fax (818) 772-9120

### Technical Support Hours:

8:00 AM to 5:00 PM Monday thru Friday.

### Write To:

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c/o Customer Service

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Chatsworth, CA 91311

[www.gefen.com](http://www.gefen.com)

[support@gefen.com](mailto:support@gefen.com)

### Notice

Gefen Inc. reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

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# INTRODUCTION

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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

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## 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

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*Front Panel*



*Back Panel*



# **CONNECTING AND OPERATING THE DVI DL SUPER BOOSTER PLUS**

## **How to Connect the DVI DL Super Booster Plus**

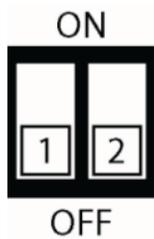
1. Connect the long DVI cable from the source into the “DVI In” on the front of the DVI DL Super Booster Plus. The DVI DL Super Booster Plus is placed next to your display to regenerate the DVI signal.
2. Connect a short DVI cable from the “DVI Out” connection in the back of the DVI DL Super Booster 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**

There are service Dip Switches located on the underside of the unit. To access these Dip Switches remove the metallic colored tape covering them. Dip Switch 1 relates to equalization and Dip Switch 2 is not used. By default, the DVI DL Super Booster Plus is set to auto equalization (Dip Switch 1 in the OFF position). Use this setting for ease of setup as this mode will automatically tune out unwanted video noise. No manual adjustments to the EQ can be made in this mode using the EQ Trim Pot on the front of the unit. If video noise is present in automatic EQ mode, go to manual EQ mode by turning Dip Switch 1 to the ON position and manually tune the signal using the EQ Trim Pot on the front of the unit. 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.

## DIP SWITCH LOCATION

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## SPECIFICATIONS

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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