



## Extend DVI up to 200 feet

### Optional Accessories



DVI Cables

### DVI Super Booster PLUS

#### Extend the reach of copper DVI cables effortlessly -- now with improved signal robustness

Like our DVI Super Booster, the new DVI Super Booster Plus allows the extension of HD digital video over copper DVI cable well beyond its specified 15-foot distance. Without such a device, sparkles or other objectionable mutations of the video signal can appear that indicate the signal has been degraded.

The DVI Super Booster Plus uses a plug-in power supply which helps to extend sparkling clear video of up to 1080p or 1920x1200 resolution at a maximum distance of 200 feet. Rest assured that with this product, you can kick back at the remote end and enjoy your video experience in the most precise, enthralling manner that it was intended to be.

With the new Plus model, improved DDC signal robustness is added, giving greater noise immunity to electrical signals vital for interfacing equipment at the receiver end. The result is that exceptionally long cable extensions of high-bandwidth HDTV video sources (such as Blu-Ray (tm)) will retain seamless electrical compatibility and spectacular picture.

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 Repeaters as far as you need to go.

#### How It Works

This plug and play installation takes mere seconds. Simply place the DVI Super Booster Plus at the end of your cable, then connect your monitor's cable to the DVI Super Booster Plus. Make sure all video cables are connected properly at the source and destination ends. Attach the power cable to the DVI Super Booster Plus. Power up all equipment. You will now see flawless video at your remote display as if you were sitting directly in front of a local HDTV monitor.

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

#### Features:

- Perfects digital video sent over long stretches of DVI cables
- Extends DVI displays away up to 200 feet from the source
- Supports resolutions up to 1920x1200 / 1080p
- Supports DDWG standards for DVI compliant monitors
- DDC Signal is re-clocked (amplified) for better robustness
- HDCP compliant

#### Specifications:

- Video Amplifier Bandwidth: 165 MHz
- Input Video Signal: 1.2 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- Single Link Range: up to 1920x1200, 2K, 1080p
- 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:

- DVI Super Booster Plus
- 5VDC power supply
- Users Manual



EXT-DVI-141SB

# Gefen

## DVI Super Booster Plus

USER MANUAL



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

## ASKING FOR ASSISTANCE

---

**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:**

Gefen Inc.  
C/O Customer Service  
20600 Nordhoff St.  
Chatsworth, CA 91311

support@gefen.com  
www.gefen.com

**Notice**

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

**The DVI Super Booster Plus** is a trademark of Gefen Inc.

© 2008 Gefen Inc., All Rights Reserved

# TABLE OF CONTENTS

---

- 1 Introduction
- 2 Features
- 3 Panel Layout
- 4 Connecting and Operating the DVI Super Booster Plus
- 5 Auto Equalization
- 6 Specifications
- 7 Warranty

## INTRODUCTION

---

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

The DVI Super Booster Plus extends the length of any DVI cable by regenerating the DVI signal before it is output to the DVI monitor or projector. The DVI Super Booster Plus will clean out the digital noise (sparkles) in your picture. The DVI Super Booster Plus is connected with a DVI (male to male) cable from the computer DVI graphic port to the DVI Super Booster input. The DVI Super Booster's output uses a second DVI (male to male) cable to go from the output to any DVI display or projector with a DVI connector. The DVI Super Booster Plus regenerates the video signal so it must be placed at the end of the cable run, close to the display.

# FEATURES

---

## Features

- Perfects digital video sent over long stretches of DVI cables
- Extends DVI displays away from the HDTV source
- Maintains highest Single Link resolutions up to 1080p/1920x1200
- Supports DDWG standard for DVI compliant monitors
- HDCP Compliant

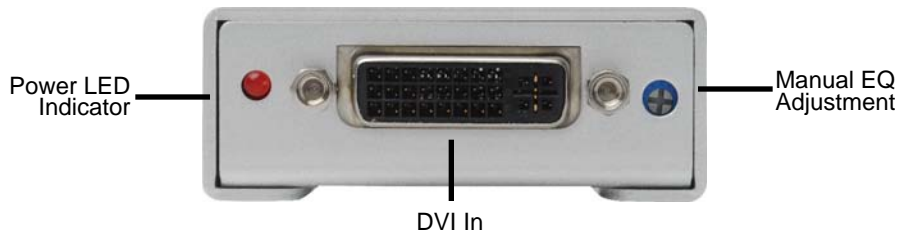
## Includes:

- (1) DVI Super Booster
- (1) 5VDC Power Supply
- (1) User's Manual

## PANEL LAYOUT

---

### Front Panel



### Back Panel



## **CONNECTING AND OPERATING THE DVI DETECTIVE**

---

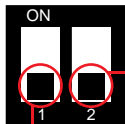
1. Connect the long DVI cable from the source into the “DVI In” on the front of the DVI Super Booster Plus. The DVI Super Booster Plus is placed next to your display to regenerate the DVI signal.
2. Connect a short DVI cable from the “DVI Out” connection in the back of the DVI Super Booster Plus to your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

### **Manual Equalization**

By default, the DVI 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.

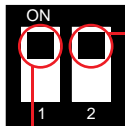
## AUTO EQUALIZATION

---



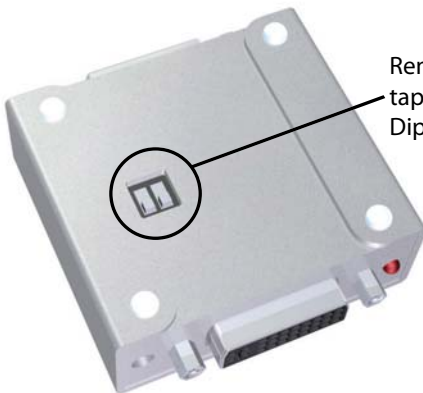
Auto EQ Off

Manual EQ Long Cable



Auto EQ ON

Manual EQ Short Cable



Remove the silver tape to expose the Dip Switch Bank

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 .....	165 MHz
Input Video Signal .....	1.2 volts p-p
Input DDC Signal .....	5 volts p-p (TTL)
Maximum Single Link Range .....	1920 x 1200 x 60hz
DVI Input/Output Connector Type .....	DVI-D
Power Consumption .....	5 Watts (max)
Power Supply.....	5VDC
Dimensions .....	1.75"W x 1"H x 2.25"D
Shipping Weight .....	2 Lbs