

# Gefen®

## HDMI® Super Booster Cable

EXT-HDMISB

User Manual



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

## ASKING FOR ASSISTANCE

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### Notice

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

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**Rev A2**

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# INTRODUCTION

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

## **Gefen**

Gefen delivers innovative, progressive AV, 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 HDMI® Super Booster Cable**

The HDMI Super Booster Cable runs between your HDMI video source and your HD display in order to regenerate an HDMI signal over long distances without signal loss.

The HDMI Super Booster Cables are a copper cable based HDMI signal extension solution with an integrated Gefen HDMI Super Booster available in the lengths of 50, 75, 100, 125 and 150 feet. The HDMI Super Booster cables will offer the highest resolution possible at any desired length with support for all resolutions up to 1080p. Embedded multichannel HDMI Digital Audio is also supported by this cable and allows for the highest possible quality A/V experience.

## **How It Works**

This plug and play installation takes mere seconds. Simply connect the HDMI cable end to your HDMI source and the HDMI Super Booster end to the display's cable or a small mating cable. A vibrant, beautiful HD picture emerges on the display. That's all there is to it.

## OPERATION NOTES

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### **READ THESE NOTES BEFORE INSTALLING OR OPERATING THE HDMI SUPER BOOSTER CABLE**

- A 5V DC power supply is included. In normal scenarios, the source powers the cable by providing a 5V signal within the cable. If the necessary voltage is not present, the included 5V DC power supply may be used to provide power. Please see page 5 for more information.
- The HDMI Super Booster Cable must be connect as instructed on page 5. The metal booster head should be located on the display side. The HDMI cable that connects the display to the unit should not exceed 15 feet.
- The HDMI Super Booster Cable is HDMI 1.3 Compliant\*. Please see the next page for supported HDMI 1.3 features.
- The HDMI Super Booster Cable is HDCP Compliant.

**\*This cable meets HDMI 1.3 bandwidth requirements at lengths of up to 100ft. The 150ft and 200ft HDMI Super Booster Cables only support HDMI 1.2 specifications.**

# FEATURES

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## Features

- Perfect digital high definition video sent over long stretches of HDMI cables
- Locate an HDMI display up to 200 feet away from any HDTV source
- Supports resolutions up to 1080p, 2K, and 1920 x 1200
- HDMI/HDCP compliant

## HDMI 1.3 Features Supported (for lengths up to 100ft):

- Deep Color (XV Color)
- Dolby TrueHD & DTS Master Audio
- 225 MHz (up to 12 bit YUV 444 @ 1080p)
- Color Space Conversion
- CEC Pass Through
- Lip-Sync Pass Through

## Package Includes

- (1) HDMI Super Booster Cable
- (1) 5V DC Power Supply
- (1) User's Manual

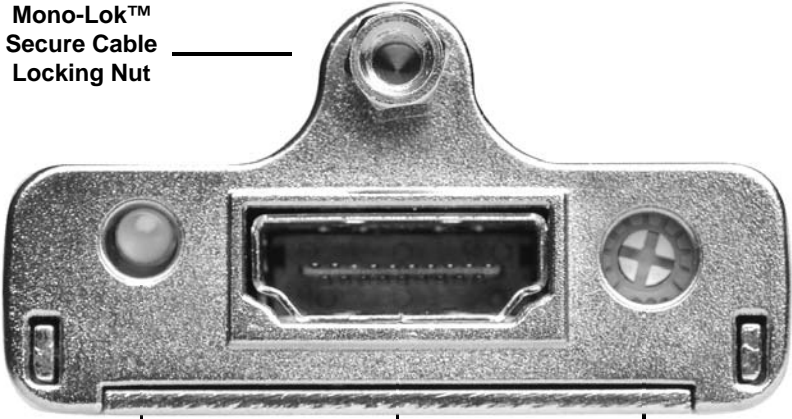


# PANEL LAYOUT

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## Female Side

Mono-Lok™  
Secure Cable  
Locking Nut



Power LED Indicator

HDMI Output

Equalization Trim Pot

## Male Side

Mono-Lok™ Secure Cable  
Locking Screw



HDMI Male Connector

# CONNECTING THE HDMI SUPER BOOSTER CABLE

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## How to Connect the HDMI Super Booster Cable

1. Connect the HDMI Super Booster Cable's male end to the HDMI source. The male end has no lights or adjustment controls on it and is considerably smaller than the larger female end.
2. Connect the HD display to the large female end of the HDMI Super Booster Cable using a short user-supplied HDMI cable. The female end of the HDMI Super Booster has the LED Power Indicator and the EQ Trim Pot control plainly visible.
3. Should it be necessary (see NOTE below), plug the power supply into the female end of the HDMI Super Booster Cable.

**NOTE:** In normal scenarios, the AV source device outputs the 5V signal needed to power the cable. If a sufficient voltage is not provided by the source, the included 5V DC power supply can be connected to the Super Booster Cable. To determine if this is necessary, look to see if the power LED indicator on the front of the HDMI Super Booster Cable head is active (see page 4). If the power LED is not active, the AV source is not supplying the requisite 5V needed to power the HDMI Super Booster Cable and the included power adapter will need to be connected to the power jack on the rear of the Super Booster Cable head (Female Side) as shown below.

### *Female Side (Rear)*



Rear of Female Side Showing  
5V Power Jack for the  
included Power Supply

## ***Video Equalization using the internal DIP switches***

There is a small bank of switches underneath the booster chassis known as DIP switches. To use them to adjust the video behavior, use a small pointed object to push the switches ON or OFF as follows:

DIP Switch 2 is not used. DIP Switch 1 turns on automatic video equalization (tuning out of unwanted noise) when in the OFF position. If video noise is still present, turn DIP Switch 1 to the ON position and then manually tune the signal using the manual equalization (EQ) Trim Pot control. Gently adjust the EQ Trim Pot control using the techniques described immediately below.

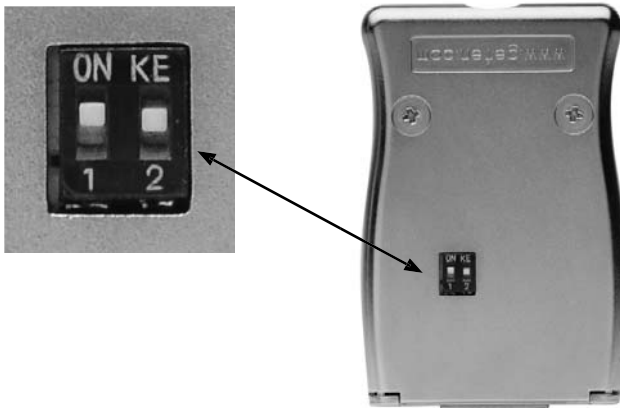
## ***Manual Video Equalization with the Trim Pot Control***

The equalization Trim Pot (Potentiometer) can be used to manually fine tune the video signal coming from the source device. If there is noise or no picture, adjusting the Trim Pot can resolve the issue.

1. Locate the Trim Pot adjustment port on the HDMI Super Booster Cable head. Insert a small flat-head tool into the port.
2. Gently turn the Trim Pot in either a clockwise or counter-clockwise direction in very small increments until all video noise has been eliminated. The position in which noise is eliminated can be easy to miss.
3. Once the desired video image is obtained, remove the adjustment tool.

**NOTE:** Do not force the Trim Pot past the point where it stops turning. This may break the adjustment dial and render the HDMI Super Booster Cable useless.

## **USING DIP SWITCHES TO TOGGLE AUTO EQ:**



## SPECIFICATIONS

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Video Amplifier Bandwidth .....	165 MHz
Input Video Signal .....	1.2 Volts p-p
Single Link Range .....	1080p/1920 x 1200
HDMI™ Connector .....	Type A 19 Pin Female
Female Connector Dimensions .....	1.563"W x 1.008"H x 1.05"D

## WARRANTY

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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. 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.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and 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 web 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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