

Gefen

HDMI™ Super Booster Cable

EXT-HDMISB

User Manual



www.gefen.com

1080P
PROGRESSIVE

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

HDTV

ASKING FOR ASSISTANCE

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Notice

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INTRODUCTION

Congratulations on your purchase of the HDMI Super Booster Cable. 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 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. You 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

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

- A 5V DC power supply is not included. In normal scenarios, the source outputs the 5V needed to power the cable. If a sufficient 5V is not present, a separate 5V DC 1 Amp power supply is available for purchase (part# EXT-PS5US/EXT-PS51AIP). 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.
- HDMI 1.3 Compliant*. Please see the next page for supported HDMI 1.3 features.
- HDCP Compliant.

***HDMI 1.3 compliancy is only valid for lengths up to 100ft of the HDMI Super Booster Cable. 150ft and 200ft HDMI Super Booster Cables are HDMI 1.2 compliant.**

FEATURES

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

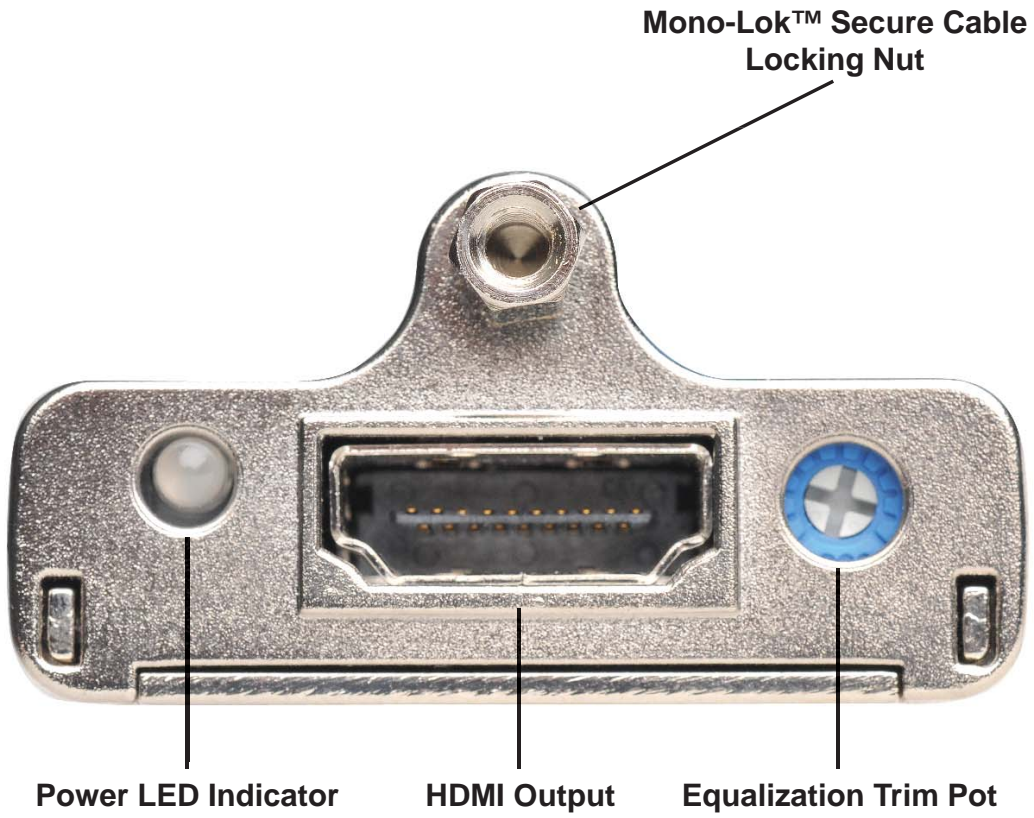
Package Includes

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

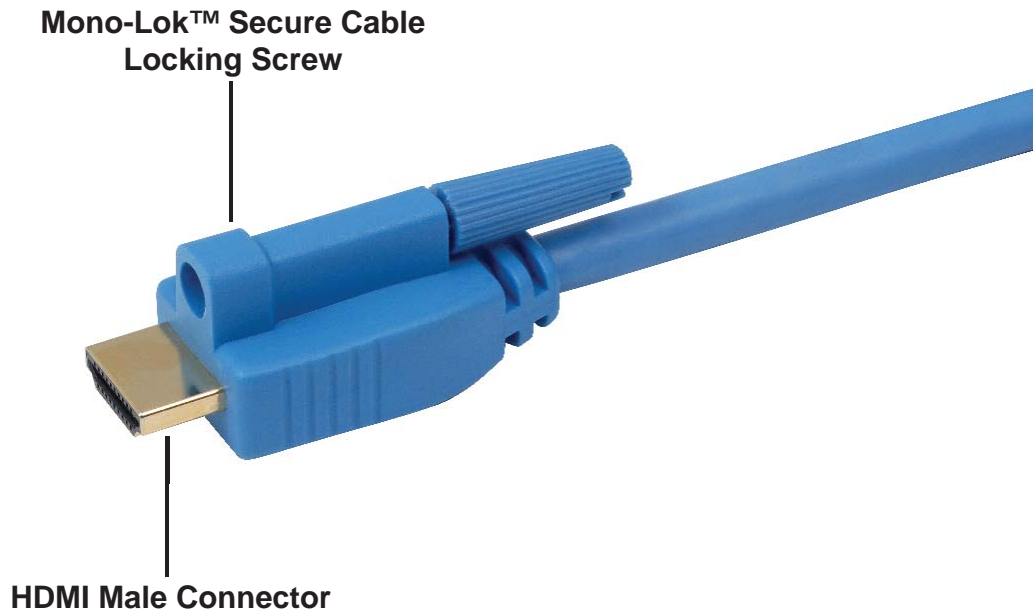


PANEL LAYOUT

Female Side



Male Side



CONNECTING THE HDMI SUPER BOOSTER CABLE

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 source outputs the 5V needed to power the cable. If a sufficient 5V is not present, the included 5V DC 1 Amp power supply can be connected (Gefen part # EXT-PS51AIP). 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. If the power LED is not active, the source is not supplying the requisite 5V needed to power the HDMI Super Booster Cable and the EXT-PS51AIP power adapter will need to be connected.

USING VIDEO EQUALIZATION TO GET AN OPTIMAL PICTURE

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

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