

Linear®

Building On Innovation.

Super Booster For HDMI™ Cables

Model # HDMI-SB
USER MANUAL



1080P
PROGRESSIVE

HDMI

HDTV

HD DVD

Blu-ray Disc™

www.linearcorp.com



ASKING FOR ASSISTANCE

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Notice

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

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INTRODUCTION

The Linear Super Booster for HDMI is an attractive alternative to the traditional sender/receiver solutions for HD extension. The Super Booster for HDMI enables your standard “off the shelf” certified HDMI cable to transmit HDTV video plus multichannel digital audio in a single cable way beyond the limited HDMI specification of 15-feet.

Up to 200 feet can be easily traversed using your certified HDMI cable plus a Super Booster for HDMI. The Super Booster for HDMI corrects any digital degradation that occurs when HDMI is used to send digital audio/video signals beyond the HDMI specification of 15 feet.

How It Works

This plug and play installation takes mere seconds. You simply connect the certified HDMI cable on one side of the Super Booster for HDMI and the display’s cable on the other side. The Super Booster For HDMI sits between the end of your certified HDMI cable and your display. You also have the option of connecting another certified HDMI cable to the Booster, daisy chaining Boosters and cables for greater distances.

FEATURES

Features

- Perfect digital high definition video sent over long stretches of certified 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

Includes:

- (1) HDMI Super Booster
- (1) User's Manual



PANEL DESCRIPTIONS



Link LED

HDMI Out

EQ Trim Pot



HDMI In

CONNECTING AND OPERATING THE SUPER BOOSTER FOR HDMI

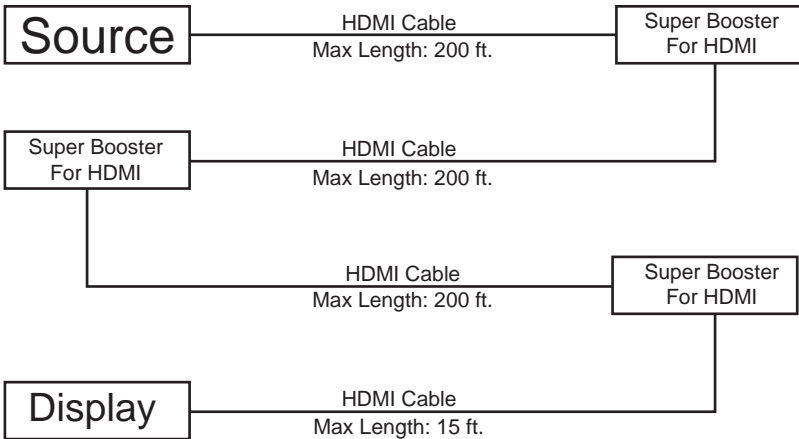
How to Connect the Super Booster For HDMI

1. Connect the long HDMI cable from the source into the “HDMI In” on the front of the Super Booster For HDMI. The Super Booster For HDMI is placed next to your display to regenerate the HDMI cable.
2. Connect a short HDMI cable from the “HDMI Out” connection in the back of the Super Booster For HDMI to your display or projector.
3. If there is no video signal or there is signal noise in the picture, adjust the EQ trim pot located on the front panel of the Super Booster For HDMI. Insert a small flat head device, such as a screw driver into the trim pot hole. Turn the trim pot in millimeter increments in either a clockwise or counterclockwise direction until the digital noise is tuned out and the image appears clear

NOTE: Source needs to supply 50 mA for maximum performance.

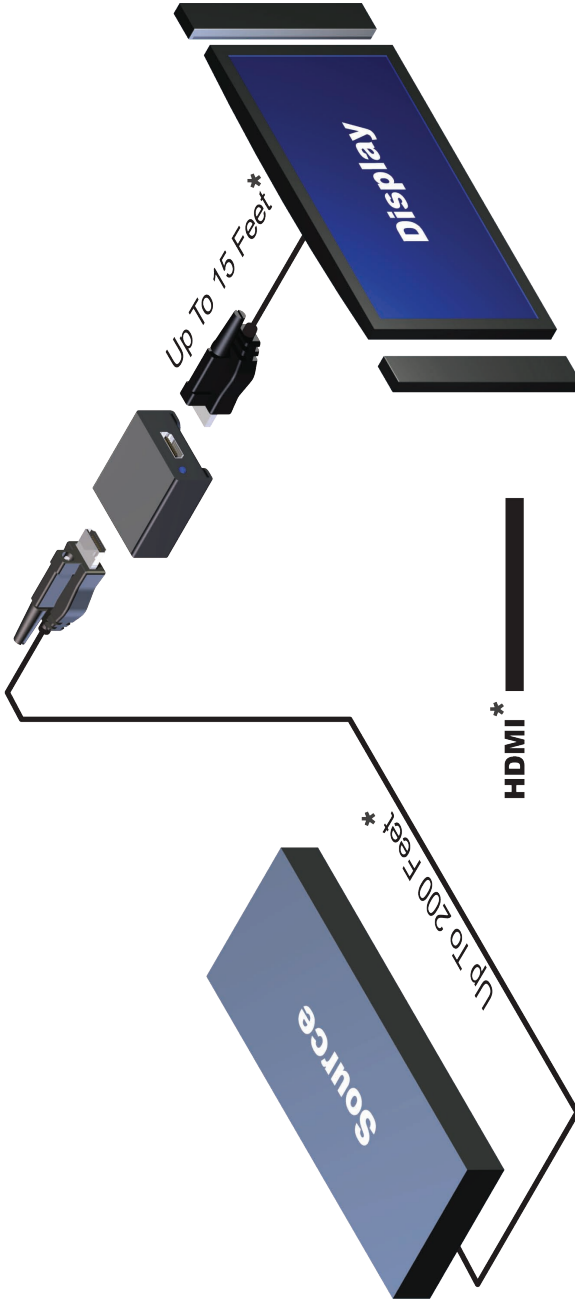
Application Diagram

Multiple Super Booster For HDMI devices can be daisy chained together.



NOTE: Maximum of 3 when HDMI video cables are 100 feet or more. Maximum of 8 when HDMI cables are 60 feet or less. Use certified HDMI cables for maximum performance.

WIRING DIAGRAM



* Certified HDMI cable required for maximum performance.

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
Input/Output Connector Type	HDMI Type A 19 pin Female
Power	Source needs to supply 50mA for maximum performance
Dimensions	1.625" W x 0.75" H x 1.75" D
Shipping Weight	0.5 lb.

WARRANTY

Note: These products are designed to be installed and serviced by trained professional installation companies.

Linear LLC warrants this product to be free from defects in material and workmanship. For the term of the warranty, see the list of products below. The Warranty Expiration Date is reflected by a date code that is affixed to all of Linear's products. This warranty extends only to wholesale customers who buy direct from Linear or through Linear's normal distribution channels. Linear does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer's warranty. There are no obligations or liabilities on the part of Linear LLC for consequential damages arising out of or in connection with use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation or reinstallation. All implied warranties, including implied warranties for merchantability and implied warranties for fitness, are valid only until warranty expiration date as labeled on the product. This Linear LLC Warranty is in lieu of all other warranties express or implied. Some states and countries do not allow limitations or how long an implied warranty lasts or the exclusion or limitation or incidental or consequential damages, so the above exclusions may not apply. The Linear LLC warranty gives specific legal rights in addition to other rights, which may exist and vary from state to state and country to country.

All products returned for warranty service require a Return Product Authorization Number (RPA#). Contact Linear Technical Services at 1-800-421-1587 for an RPA# and other important details.

Consumers: If you have trouble locating your installing company, please contact Linear LLC at 1-800-421-1587 and we will assist you with locating a service and Installation Company.

The following warranty period applies to this set of Linear branded products.

1. Linear High Definition Video products — Two (2) years. There is no warranty offered on the batteries supplied with the IR remote Control.

The warranty is limited to repair or replacement of products returned, freight prepaid, to Linear LLC. There is NO PROVISION FOR LABOR COST OR OTHER REIMBURSEMENTS OF ANY KIND.

1. Failures due to product abuse, negligence, improper installation, improper use, and electrical surge including damage from lightning, water damage or other damage due to natural disasters are not covered by the warranty.
2. The warranty shall also be voided by any tampering with the date code, labels or other markings on the product.
3. Products that are damaged in transit to Linear LLC due to improper packaging or by the carrier (shipping company) will not be covered under the warranty. If the product was damaged or lost by the carrier, it is the sender's responsibility to create a claim against the carrier.
4. The user is responsible for all labor costs associated with removing, reinstalling and returning the product to Linear LLC.
5. Linear LLC, at its option, will repair or replace the defective product.
6. Replacements will be made from B-Stock. If an exact replacement is not available Linear LLC, at its option will select the nearest equivalent product. The user is responsible for freight charges to Linear LLC.
7. Linear LLC will return warranted repaired or replacements by UPS Ground or an equivalent service. A customer may pay the additional costs for second day or next-day service.

HDMI-SB



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Rev A