



**HDTV CAT-5  
Extender  
USER MANUAL**

## ASKING FOR ASSISTANCE

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### Notice

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

**The HDTV CAT-5 Extender** is a trademark of Gefen Inc.

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## OPERATION NOTES

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### READ THESE NOTES BEFORE INSTALLING OR OPERATING THE HDTV CAT-5 EXTENDER

- The HDTV CAT-5 Extender is housed in a metal box for better RF shielding.
- Your CAT5 cable should not exceed 150 feet.
- \* CAT6 cable is suitable for high resolutions at 50 meters.

# INTRODUCTION

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The HDTV CAT-5 Extender sender unit sits next to your computer, DVD player or any set-top box with a HDMI output. The cable supplied with the HDTV CAT-5 Extender connects your HDMI source to the send unit. The HDTV CAT-5 Extender receiver unit sits next to your HDMI display - up to 150 feet away. The display plugs into the back of the HDTV CAT-5 Extender receiver unit. Two CAT-5 cables connect the HDTV CAT-5 Extender-S and the HDTV CAT-5 Extender-R units to each other.

## **CONTENTS**

The HDTV CAT-5 Extender system consists of:

- (1)HDTV CAT-5 Extender-S
- (1) HDTV CAT-5 Extender-R
- (1) HDMI to HDMI 6 foot
- (1) 5 volt power supply

# HDTV CAT-5 Extender SENDER FRONT PANEL DESCRIPTIONS



Connects to 5 volt power supply

HDMI input connects to HDMI to HDMI cable



CAT5 carries TMDs signals

CAT5 carries DDC/HDCP signals

## HOW TO CONNECT THE HDTV CAT-5 Extender

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- 1 Connect your display to the HDMI Extender receiver unit.
- 2 Connect your source to the HDMI Extender sender unit
- 3 Connect your CAT5 cables between the sender and the receiver
- 4 Plug the 5V power supply into the HDTV CAT-5 Extender sender unit.
- 5 You should now have picture. If you do not see a picture, try unplugging and re-plugging the HDMI input on the HDMI Extender sender unit. Make sure your CAT5 cables are not crossed. Recycle the power on the unit.

# HDTV CAT-5 Extender RECEIVER FRONT PANEL DESCRIPTIONS



Connects to HDMI display



CAT5 carries  
DDC/HDCP signals

CAT5 carries  
TMDS signals

## DIP SWITCH USAGE GUIDE

Gefen CAT5 Extenders (sender and receiver) both contain a pair of dip switches located on the board. These dip switches are used to select from a set of configurations that will equalize the signal to best match the conditions in your setup.

### How to open the HDTV CAT5 Extender:

1. Unscrew the four screws underneath the unit.
3. Slide the top plate off the base to expose the circuit board.
4. The dip switches are located directly on the circuit board.

### Sender Dip Switches

Option No.	Switch 1 Position	Switch 2 Position	Description
1	0 (OFF)	0 (OFF)	Medium Boost (Default)
2	1 (ON)	0 (OFF)	Strong Boost

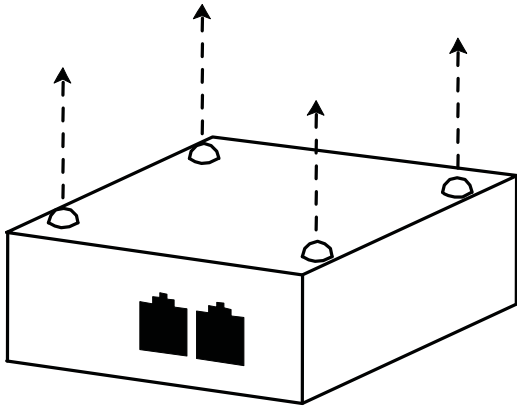
### Receiver Dip Switches

Option No.	Switch 1 Position	Switch 2 Position	Description
1	0 (OFF)	0 (OFF)	EQ 0 (Default)
2	1 (ON)	0 (OFF)	EQ 1
3	0 (OFF)	1 (ON)	EQ 2
4	1 (ON)	1 (ON)	EQ 3

### Adjustment Guidelines:

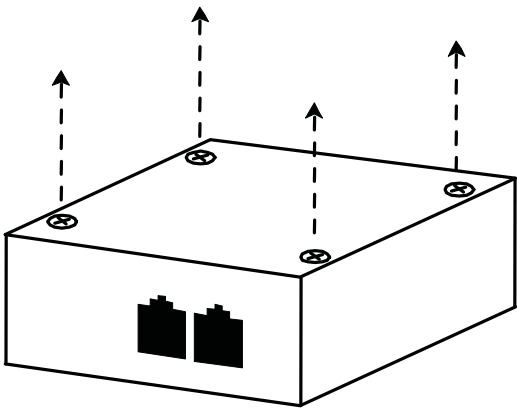
- 1) Higher EQ level is used to equalize poor/low quality CAT-5e cables
- 2) Stronger boost is used to drive signals through longer cables
- 3) It is an optimal balance of Boost and EQ that will result in the best possible picture.

# Mounting Plate Installation



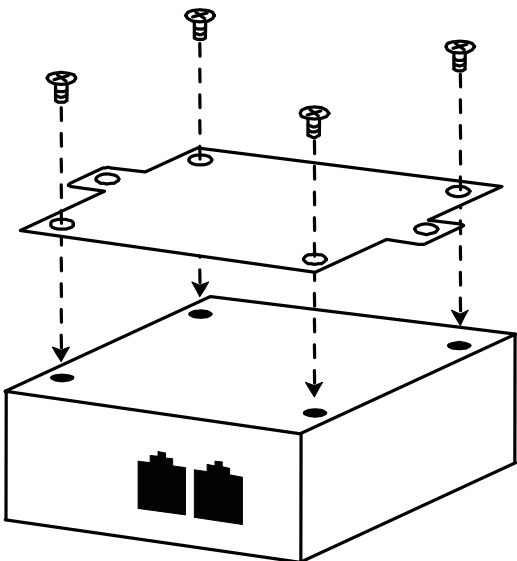
**1**

Remove the rubber feet covering the screws off the bottom of the unit.



**2**

Remove the screws.



**3**

Line up the mounting plates and screw it on to the unit.

**SPECIFICATIONS**

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Video Amplifier Bandwidth ..... 1.65 GHz

Single Link Range ..... 1920 x 1200

Vertical Frequency Range ..... 60 Hz

HDMI Output Connector Type ..... Types A

HDMI Input Connector Type ..... Type A

Power Consumption ..... 15 Watts (max.)

Dimensions ..... 3.4"W x 3.25"H x 1.25"D

Shipping Weight ..... 3 Lbs

## WARRANTY

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Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within one (1) year from the date of shipment, Gefen System 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 shipment 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.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., 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 HDTV CAT-5 Extender features and specifications is subject to change without notice.