



Component Extender

EXT-COMP-141N

USER MANUAL



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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INTRODUCTION

Congratulations on your purchase of the Component Extender. 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 Component Extender

The Component Extender allows users to extend Component video signals beyond the A/V rack. The Component Extender Series can be used to extend a Component signal to cover the distances up to 330 feet. Industry standard Category 5e (CAT-5e) cable is used for the extension.

How It Works

The Component Extender sender unit connects to any component video source using the supplied Component cable. The receiver unit connects to your HDTV component video display up to 330 feet (100 meters) away. One CAT-5e cable is used to connect the sender to receiver for perfect video extension up to 1080p.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE COMPONENT EXTENDER

- The Component Extender has a maximum range of 330 Feet.
- Use industry standard Category-5e (CAT-5e) cable to operate the Component Extender system. CAT-5e cable is preferred.
- Please connect all the cables between the source and the Component Extender before powering up the Component Extender unit.
- The Component Extender units are housed in a metal box for better RF shielding.

FEATURES

Features

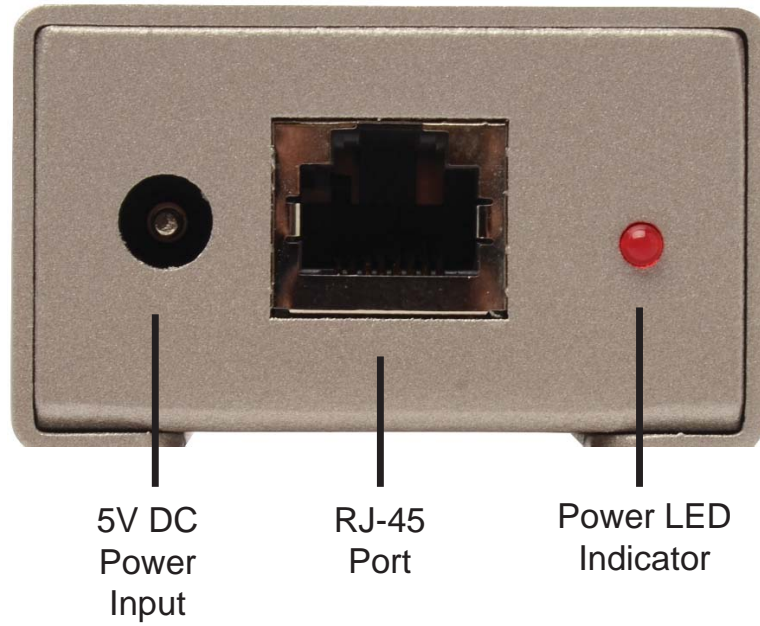
- Supports up to 1080p component video.
- Power only required only on transmitter.
- Plug & Play installation.
- Equalizations for different CAT-5e skews.
- One CAT-5e Cable for extension.
- No Loss of Quality.

Package Includes

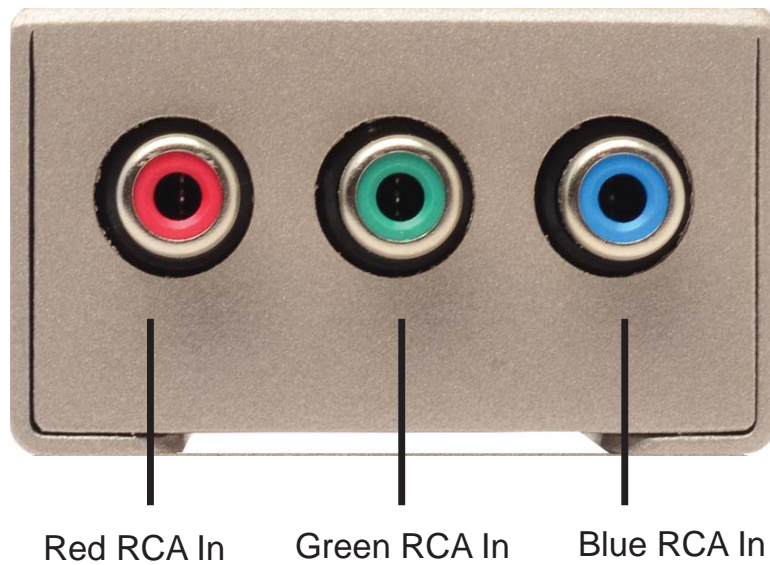
- (1) Component Extender Sender
- (1) Component Extender Receiver
- (1) 3 RCA 6 Foot Cable
- (1) 5V DC Power Supply
- (1) User Manual

SENDER PANEL LAYOUT

Front Panel

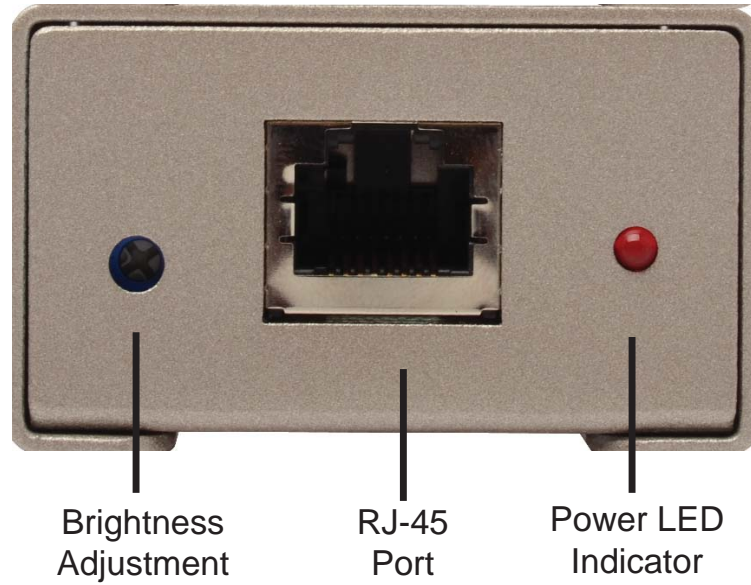


Back Panel

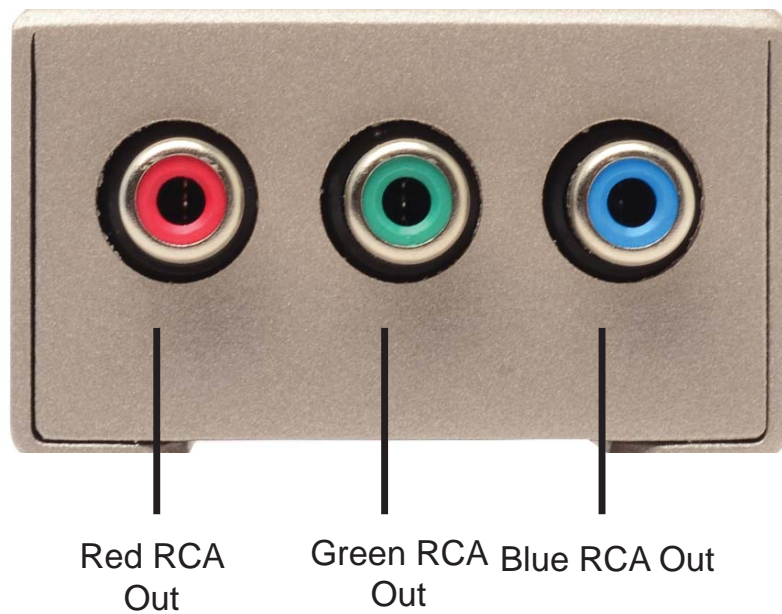


RECEIVER PANEL LAYOUT

Front Panel



Back Panel



CONNECTING AND OPERATING THE COMPONENT EXTENDER

How to Connect the Component Extender

1. Connect the component source to the Component Extender Sending unit using the supplied 3 RCA component cable.
2. Connect a CAT-5e cable between the Component Extender Sending and Receiving units.
3. Connect the component display to the Component Extender Receiving unit's output using a user supplied 3 RCA component cable.
4. Connect the included 5V DC power supply to the Component Extender Sending unit. Power to drive the receiving unit will be supplied over the CAT-5e cable.
5. Power on the display first then the source.

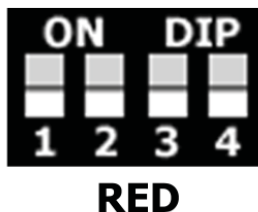
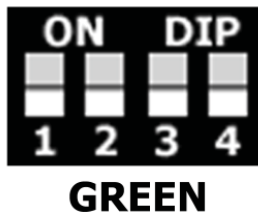
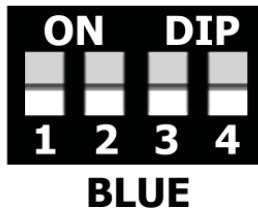
NOTE: Any of the 3 RCA lines can be used for any color. Both ends will need to be matched for the signal to be passed through correctly.

CONFIGURING THE COMPONENT EXTENDER

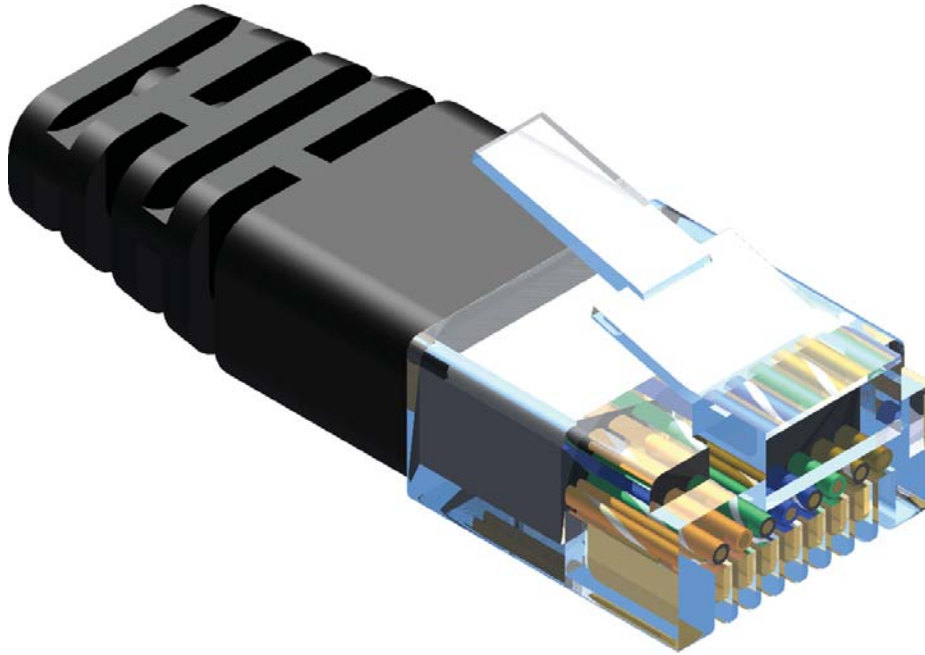
The first step in adjusting the video quality is to display text and a graphic on your monitor (i.e. desktop icons). Then set your source to the resolution that you will be using most frequently. The dip switches are used to set the focus and sharpness of the picture to the best possible setting. Set the dip switches to the settings that are recommended for the different lengths of CAT5 cable (see chart below). Verify that the picture quality is to your satisfaction. If the recommended setting does not produce a great quality picture, try using a different dip switch setting. The trim pod next to the RJ-45 connector on the Component Extender-S allows brightness adjustments for video.

0-25 Feet	All dip switches OFF for all colors.
26-100 Feet	Set dip switch #1 ON all colors. 2,3,4 remain OFF.
101-200 Feet	Set dip switch #2 ON all colors. 1,3,4 remain OFF.
201-300 Feet	Set dip switch #3 ON all colors. 1,2,4 remain OFF.
301 Feet and Up	Set dip switch #4 ON all colors. 1,2,3 remain OFF.

NOTE: The dip switches are set to the OFF position when the switch is closest to the number or in the down position.

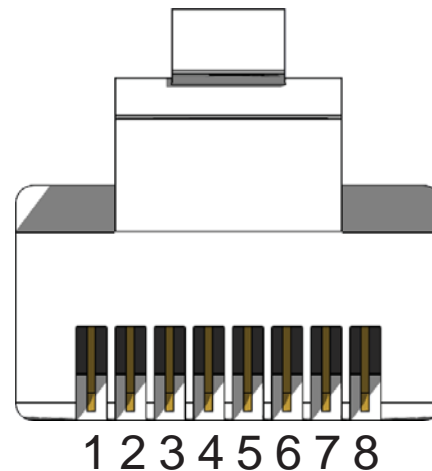


NETWORK CABLE WIRING DIAGRAM



Gefen has specifically engineered their products to work with the TIA/EIA-568-B specification. Please adhere to the table below when field terminating cable for use with Gefen products. Failure to do so may produce unexpected results and reduced performance.

Pin	Color
1	Orange / White
2	Orange
3	Green / White
4	Blue
5	Blue / White
6	Green
7	Brown / White
8	Brown



CAT-5, CAT-5e, and CAT-6 cabling comes in stranded and solid core types. Gefen recommends using solid core cabling. CAT-6 cable is also recommended for best results.

Each cable run must be one continuous run from one end to the other. No splices or use of punch down blocks.

SPECIFICATIONS

Video Amplifier Bandwidth	350 MHz
Input Video Signal	1.2 Volts p-p
Video In	3 RCA Component Video
Video out	3 RCA Component Video
Link Connector	RJ-45
Power Consumption	5 Watts (max.)
Power Supply	5V DC
Dimensions	0.875"H x 1.625"W x 3.25"D
Shipping Weight	3 lbs.

WARRANTY

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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Rev A2

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This product uses UL listed power supplies.