



## Extend Component Video and Audio.



EXT-COMPAUD-141

### Extends component video and audio up to 1000 feet (300 meters) using one CAT-5e cable

Extend your audio and video signal using the Gefen Component Audio Extender. Place your source anywhere and extend the signal up to a 1000 feet away. The Component Audio Extender will extend Analog Component video as well as Analog Audio or Digital Audio via SPDIF or Toslink. All audio is transmitted digitally over the CAT-5e cable and both the analog and digital audio outputs are active on the receiver side.

#### How it works

The Component Audio Extender sender unit connects to any Component video and audio source using the supplied Component and 2 RCA audio cables. The receiver unit connects to your HDTV component video display and audio input up to 1000 feet away. One CAT-5e cable is used to connect the sender to receiver for perfect video extension up to 1080p. The sender and receiver both will be powered individually by 5V power supplies. Both analog and digital audio outputs are active on the receiver side when two channel audio is inputted. If multi-channel audio is inputted then the analog audio output will not work.

#### Features:

- Supports up to 1080p component video
- Supports analog L+R audio and multichannel digital Toslink or SPDIF audio
- No Loss of Quality
- Plug and play installation
- Equalizations for different CAT-5 skews
- One CAT-5 cable for extension

#### Specifications:

- Video Amplifier Bandwidth: 350 MHz
- Input Video Signal: 1.2 Volts p-p
- Input Sync Signal: 5 Volts p-p (TTL)
- Horizontal Frequency Range: 15-70 KHz
- Vertical Frequency Range: 30-170 Hz
- Video In/Out: 3 RCA component
- Audio In/Out: 2 RCA Audio, 1 SPDIF, 1 Toslink
- Link Connector: RJ-45 Shielded
- Power Supply: 5V DC
- Power Consumption: 5 watts (max.)
- Dimensions: 3"W x 1"H x 3.75"D
- Shipping Weight: 3 lbs.



**Component  
w/ Audio Extender  
USER MANUAL**

## ASKING FOR ASSISTANCE

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### Technical Support:

Telephone (818) 772-9100  
(800) 545-6900

Fax (818) 772-9120

### Technical Support Hours:

8:00 AM to 5:00 PM Monday thru Friday PST

### Write To:

Gefen Inc.  
C/O Customer Service  
20600 Nordhoff St  
Chatsworth, CA 91311

[www.gefen.com](http://www.gefen.com)  
[support@gefen.com](mailto:support@gefen.com)

### Notice

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

**Component w/ Audio Extender** is a trademark of Gefen Inc.

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## **INTRODUCTION**

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Thank you for purchasing the Component with Audio Extender by Gefen, Inc.

Extend your audio and video signal using the Gefen Component Audio Extender. Place your source anywhere and extend the signal up to 1000 feet (300 meters) away. The Component Audio Extender will extend Analog Component as well as Analog Audio and Digital Audio via SPDIF or TOSlink.

## **HOW IT WORKS**

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The Component Audio Extender sender unit connects to any component video and audio source using the supplied Component and RCA cables. The receiver unit connects to your HDTV component video display and audio input up to 1000 feet (300 meters) away. One CAT-5e cable is used to connect the sender to receiver for perfect video extension up to 1080p. The sender and receiver will be powered individually by 5V power supplies.

## **OPERATION NOTES**

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### **READ THESE NOTES BEFORE INSTALLING OR OPERATING THE COMPONENT EXTENDER SYSTEM**

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

## FEATURES

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### Features

- Supports up to 1080p component video
- Supports analog L+R audio
- Plug and play installation
- Equalizations for different CAT-5 skews
- One CAT-5 cable for extension

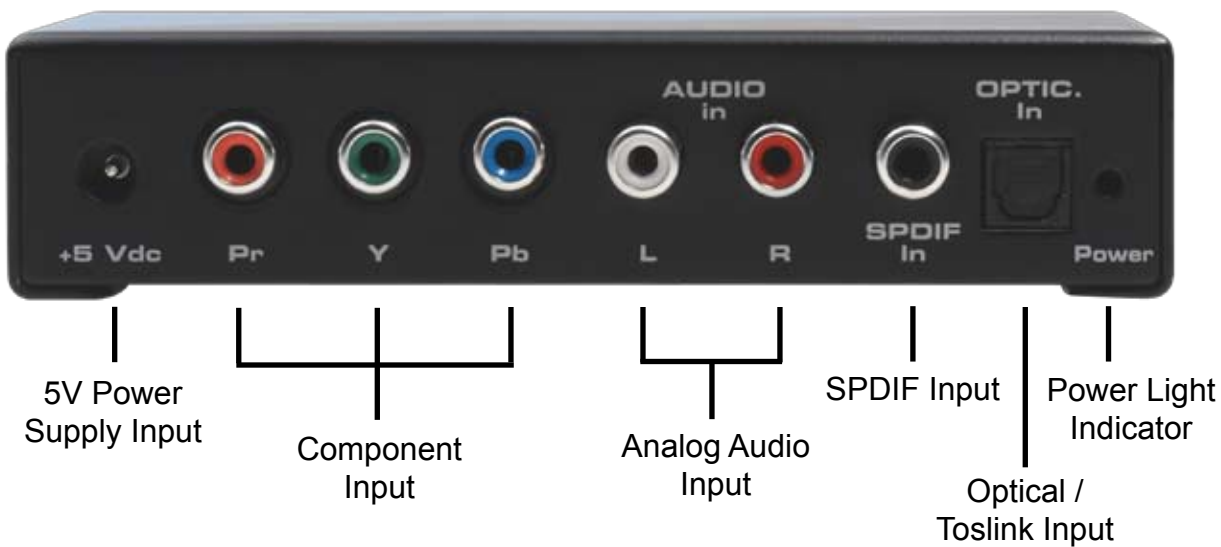
### Includes:

- (1) Component Audio Extender Sender
- (1) Component Audio Extender Receiver
- (1) 6ft. Component Cable
- (1) RCA Audio Cable
- (2) 5V Power Supply

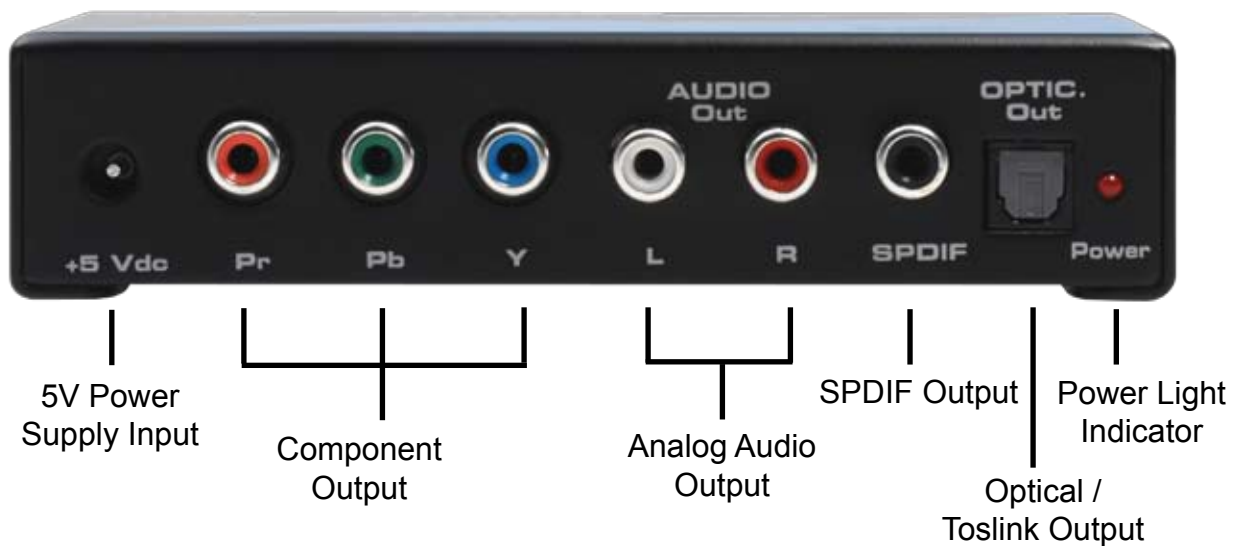


# PANEL DESCRIPTIONS

## Sender



## Receiver



# PANEL DESCRIPTIONS

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## Sender



|  
CAT-5e  
Cable Input

## Receiver



|  
CAT-5e  
Cable Input

|  
Brightness  
Trim Pot

|  
Focus  
Trim Pot



## **INSTALLATION INSTRUCTIONS**

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1. Connect the Component output of your source / receiver to the input on the Component Extender Sender Unit.
2. Connect the audio output of your source / receiver to the input on the Component Extender Sender Unit.
3. Connect the Component input of your display to the Component output on the Component Extender Receiver Unit.
4. Connect the audio input of your display to the Component output on the Component Extender Receiver Unit.
5. Connect a CAT-5 cable between the Component Extender sender and receiver's CAT-5 input.
6. Power on the display first and 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.

## **BRIGHTNESS AND FOCUS TRIM PODS**

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If your picture is too dark or if you see a “ghosting” effect on your display, then the trim pods will help correct this problem. If your picture is too dark then the brightness trim pod will help brighten up your display. If your picture has a “ghosting” effect and/or noise, then the focus trim pod will help sharpen up your picture. Turn trim pods to the left and right to eliminate any noise on your picture.

**RJ-45 Jack**



**White/Orange**

**Orange**

**White/Green**

**Blue**

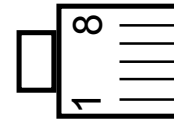
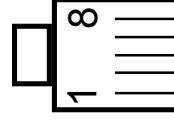
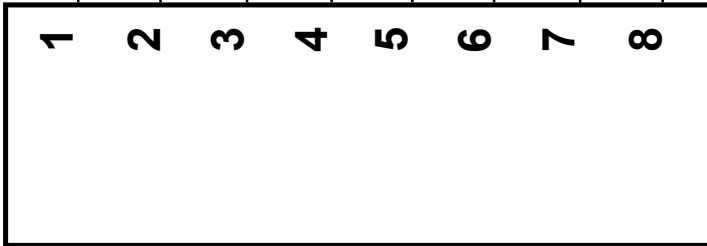
**White/Blue**

**Green**

**White/Brown**

**Brown**

**RJ-45 Jack**



## SPECIFICATIONS

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Video Amplifier Bandwidth.....	350 MHz
Actual Bandwidth.....	120MHz
Input Video Signal.....	1.2 Volts p-p
Input Sync Signal.....	5 Volts p-p (TTL)
Horizontal Frequency Range.....	15-70 KHz
Vertical Frequency Range.....	30-170 Hz
Video In/Out.....	3 RCA component
Audio In/Out.....	2 RCA Audio, 1 SPDIF, 1 TOSlink
Link Connector.....	RJ-45 Shielded
Power Supply.....	5V DC
Power Consumption.....	5 watts (max.)
Dimensions.....	3"W x 1"H x 3.75"D
Shipping Weight.....	3 lbs.