

Gefen®

Component w/Audio Extender

EXT-COMPAUD-141
USER MANUAL



www.gefen.com

ASKING FOR ASSISTANCE

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
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.

© 2010 Gefen Inc., All Rights Reserved
All trademarks are the property of their respective companies.

Rev A3

TABLE OF CONTENTS

- 1 INTRODUCTION / HOW IT WORKS / OPERATION NOTES**
- 2 FEATURES**
- 3 PANEL DESCRIPTION**
- 4 PANEL DESCRIPTION**
- 5 INSTALLATION INSTRUCTIONS / BRIGHTNESS AND FOCUS TRIM POTS**
- 6 CAT5 WIRING DIAGRAM**
- 7 CONNECTIONS DIAGRAM**
- 8 SPECIFICATIONS**
- 9 WARRANTY**

INTRODUCTION

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

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

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

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

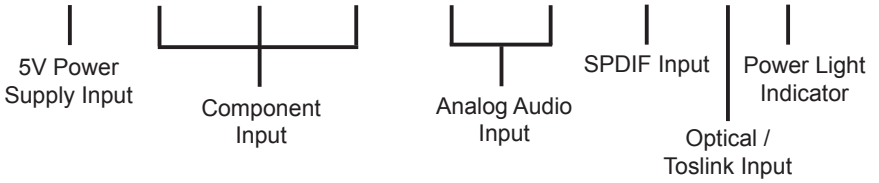
Includes:

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

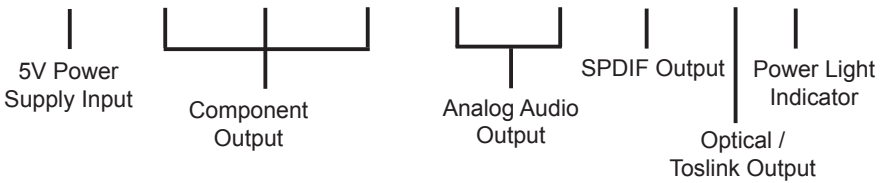


PANEL DESCRIPTIONS

Sender



Receiver



PANEL DESCRIPTIONS

Sender



CAT-5e
Cable Input

Receiver



CAT-5e
Cable Input

Brightness
Trim Pot

Focus
Trim Pot

INSTALLATION INSTRUCTIONS

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 POTS

The brightness and focus adjustments are found on the receiver unit and will help compensate for issues that can be introduced by outside interference and cable variances. If the outgoing image is too dark or too bright, the brightness trim pot can be tuned to help brighten the image. If there is a ghosting or blurring effect on the image, the focus trim pot can be used to eliminate these artifacts. Insert a small flat head device, such as a screw driver into either the brightness or focus trim pot hole. Turn the trim pot in millimeter increments in either a clockwise or counterclockwise direction. Once the desired brightness and focus are reached, simply remove the adjustment device from the trim pot hole.

CAT5 WIRING DIAGRAM

RJ-45 Jack



White/Orange

Orange

White/Green

Blue

White/Blue

Green

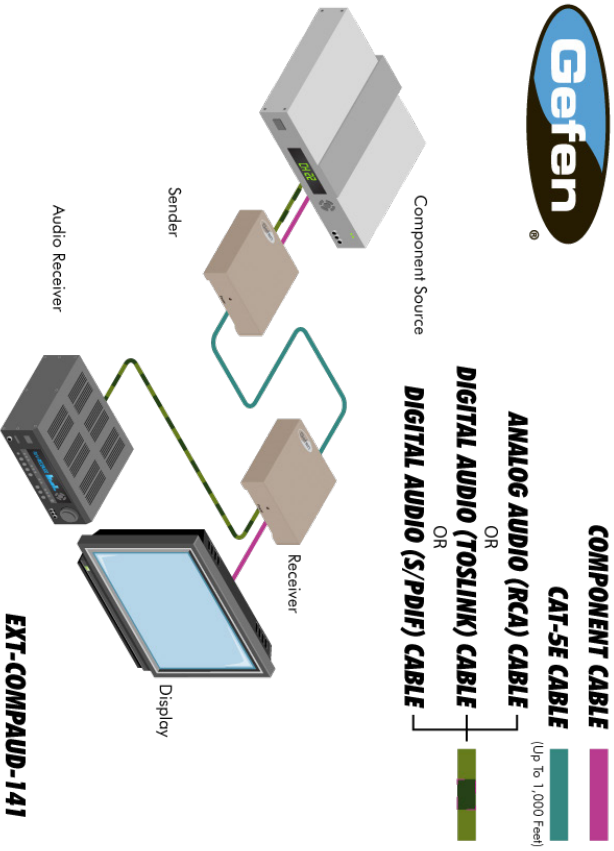
White/Brown

Brown

RJ-45 Jack



CONNECTIONS DIAGRAM



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 S/PDIF, 1 TOSLINK
Link Connector.....	RJ-45 Shielded
Power Supply.....	5V DC
Power Consumption.....	10 watts (max.)
Dimensions.....	5.2"W x 1.2"H x 2.7"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, refer to the Warranty and Return Policy under the Support section of the Gefen Web site at www.gefen.com.

PRODUCT REGISTRATION

Please register your product online by visiting the Register Product page under the Support section of the Gefen Web site.

Rev A3



20600 Nordhoff St., Chatsworth CA 91311

1-800-545-6900 818-772-9100 fax: 818-772-9120

www.gefen.com support@gefen.com



This product uses UL listed or CE compliant power supplies.