



Component and Audio Distribution.



EXT-COMPAUD-143

How it works

The 1:3 Component Audio Distribution Amplifier is the perfect solution for anyone who needs to send one source of high definition component video and analog or digital audio to multiple displays at the same time. It supports all component equipment, such as DVD players and satellite set top boxes and all component displays. In operation, the component video source is connected to the distribution amplifier at the input. Three outputs are available to be used in part or in full. Once the unit is connected and powered, your source is routed to up to three component high definition displays at the same time.

Features:

- Connects up to three component displays at the same time to one video source
- Support SD(composite, YCbCr) and HDTV (YPbPr, RGsB) input signal
- Maintains 480p, 720p, 1080i, and 1080p resolutions
- Maintains high resolution video - beautiful HDTV resolutions up to 1080p are easily achieved video source at the same time

Specifications:

- Input: YPbPr x1 or RGsB x1 (or RGBHV), or composite x3 1 Vp-p@ 75 ohm
- Output: YPbPr x3, or RGsB (or RGBHV) x3, or composite 3x3
- Audio input: coaxial (S/PDIF) x1 + R/L x1
- Audio output: coaxial (S/PDIF) x3 + R/L x3
- Analog audio input/output: audio 2 Vrms max 47k ohm
- Bandwidth: 480MHz (-3dB)
- Video Range: 1080p
- Power Supply: 5V DC
- Dimensions: 5.5"W x 1.5"H x 3.65"D
- Shipping Weight: 4 lbs.

Gefen

1:3 Component Audio Distribution Amplifier

EXT-COMPAUD-143

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.

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.

1:3 Component Audio DA is a trademark of Gefen Inc.

CONTENTS

- 1 Introduction**
- 2 Features**
- 3 Panel Layout**
- 4 Panel Descriptions**
- 5 Connecting And Operating The 1:3 Component Audio Da**
- 6 Wiring Diagram**
- 7 Specifications**
- 8 Warranty**

INTRODUCTION

Congratulations on your purchase of the 1:3 Component Audio DA. 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 1:3 Component Audio DA

The 1:3 Component Audio Distribution Amplifier is the perfect solution for anyone who needs to send one source of high definition component video and analog or digital audio to multiple displays at the same time. It supports all component equipment, such as DVD players and satellite set top boxes and all component displays. In operation, the component video source is connected to the distribution amplifier at the input. Three outputs are available to be used in part or in full. Once the unit is connected and powered, your source is routed to up to three component high definition displays at the same time.

FEATURES

Features

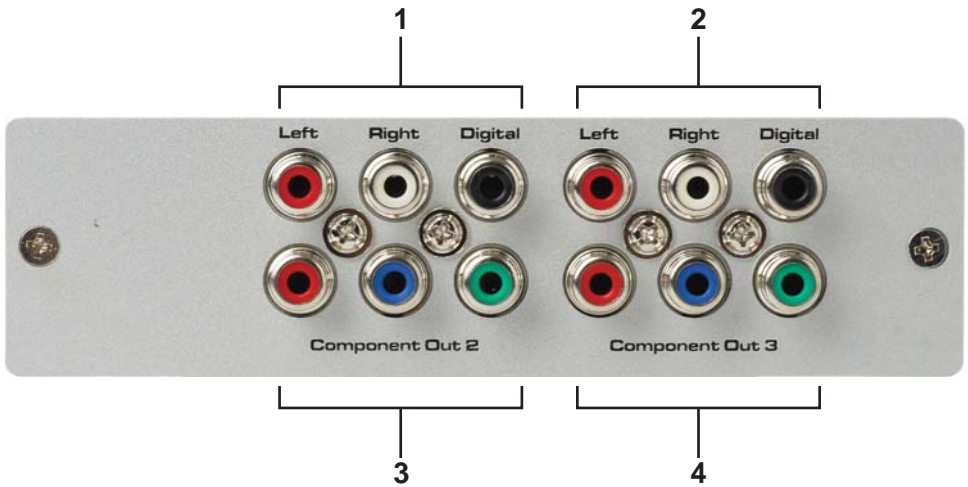
- Connects up to three component displays at the same time to one video source
- Support SD (composite, YCbCr) and HDTV (YPbPr, RGB) input signal
- Maintains 480p, 720p, 1080i, and 1080p resolutions
- Maintains high resolution video - beautiful HDTV resolutions up to 1080p are easily achieved video source at the same time

Package Includes

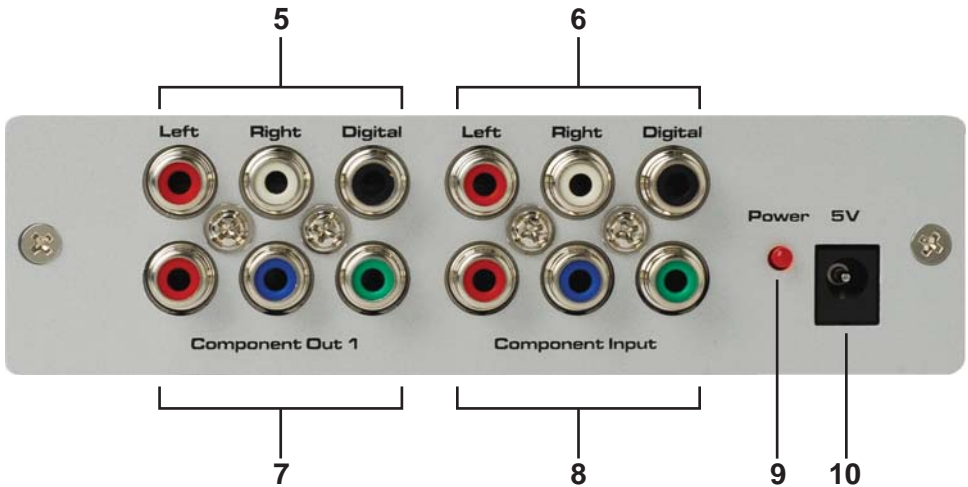
- (1) 1:3 Component Audio DA
- (1) 6ft Component cable
- (1) 5V DC Power Supply
- (1) Users Manual

PANEL LAYOUT

Front Panel



Back Panel



PANEL DESCRIPTIONS

- 1 Component 2 Audio Output**
Analog stereo L/R RCA audio outputs and one digital coaxial audio output. These outputs will mirror the inputs connected to the Component audio inputs.
- 2 Component 3 Audio Output**
Analog stereo L/R RCA audio outputs and one digital coaxial audio output. These outputs will mirror the inputs connected to the Component audio inputs.
- 3 Component 2 Video Output**
Component video outputs. This output will mirror the inputs connected to the Component video input.
- 4 Component 3 Video Output**
Component video outputs. This output will mirror the inputs connected to the Component video input.
- 5 Component 1 Audio Output**
Analog stereo L/R RCA audio outputs and one digital coaxial audio output. These outputs will mirror the inputs connected to the Component audio inputs.
- 6 Component Audio Input**
Analog stereo L/R RCA audio inputs and one digital coaxial audio input. These inputs will be mirrored to all of the Component audio outputs.
- 7 Component 1 Video Output**
Component video outputs. This output will mirror the inputs connected to the Component video input.
- 8 Component Video Input**
Component video inputs. This input will be mirrored to all of the Component video outputs.
- 9 Power LED**
This indicator will become active when the supplied Power adapter is connected.
- 10 5V DC Power Input**
Connects to the supplied 5V DC power adapter.

CONNECTING AND OPERATING THE 1:3 COMPONENT AUDIO DA

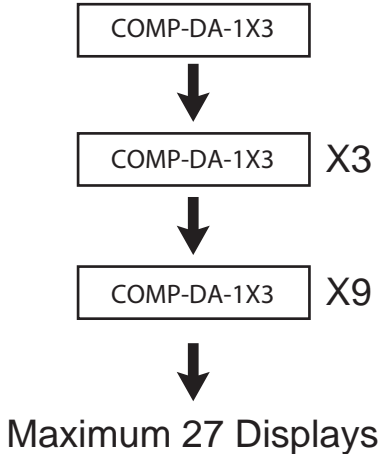
How to Connect the 1:3 Component Audio DA

1. Connect the supplied Component cable from the source into the 1:3 Component Audio DA's input port.
2. Connect either a SPDIF digital audio or RCA analog right and left audio cable into the 1:3 Component Audio DA's audio input port.
3. Connect the Component and audio cables from your display(s) (up to 3) into the Component and audio out slots on the 1:3 Component Audio DA.
4. Plug the 5V DC power supply into the 1:3 Component Audio DA.
5. Plug the 5V DC wall mount power supply into the wall outlet.

NOTE: Both analog and digital audio outputs are active on all of the outputs. Also, Composite video can also be fed into the Component video input to split and distribute Composite video.

Application Diagram

Multiple 1:3 Component Audio DA devices can be daisy chained together to distribute a single Component signal to 13 units maximum, for a total of 27 displays.



Maximum recommended distance of component cabling between each 1:3 Component Audio DA or display (1080p) is 50 ft. Maximum number of displays that are supported in a large 1:3 Component Audio DA system is 27.

WIRING DIAGRAM



Component cable maximum distance is 50 feet at 1080p resolution without a EXT-COMPAUD-141

SPECIFICATIONS

Input	YPbPr x1 or RGsB x1 (or RGBHV), or Composite x 1 (1 Vp-p@ 75 Ohm)
Output	YPbPr x3, or RGsB(or RGBHV), or Composite x 3
Audio input	Digital (SPDIF) x1 + R/Lx1
Audio output	Digital (SPDIF) x3 + R/Lx3
Analog audio input/output	Audio 2 Vrms max 47k Ohm
Bandwidth	480MHz (-3dB)
Video Range	480i, 480p, 720p, 1080i, and 1080p
Differential gain	0.05%
Differential phase	0.05 degree
Power Supply	5V DC
Dimensions	5.5" W x 1.5" H x 3.65" D
Shipping Weight	3 lbs.