

# Distribution Amplifier with Audio

1 to 3 YPbPr Component Distribution Amplifier with Audio

ST123HDA

Instruction Manual



Actual product may vary from photo

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## Table of Contents

<b>Introduction</b> .....	<b>1</b>
<b>Features</b> .....	<b>1</b>
<b>Before You Begin</b> .....	<b>1</b>
System Requirements .....	1
Contents .....	1
<b>Installation</b> .....	<b>2</b>
ST123HDA used with HD component video source .....	2
ST123HDA used with RGBHV video source .....	3
ST123HDA used with composite video source .....	4
<b>Technical Support</b> .....	<b>5</b>
<b>Warranty Information</b> .....	<b>5</b>

## **Introduction**

Thank you for purchasing a StarTech.com Component Video Distribution Amplifier with Audio. This product is the perfect addition to any analog video entertainment distribution system, delivering both standard definition and high definition video and digital or analog audio to multiple display units.

## **Features**

- Three separate composite video sources can be distributed to up to 9 displays (3 per video source)
- Works with standard definition and high definition displays
- Supports resolutions up to 1080p
- Sturdy metal construction

## **Before you Begin**

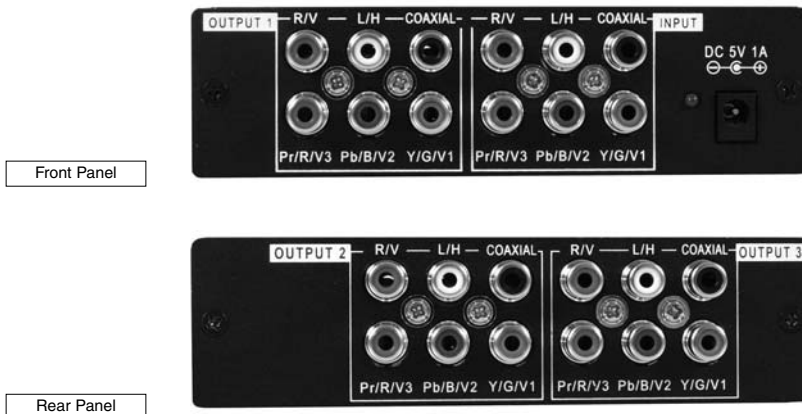
### **Contents**

- Distribution amplifier with audio (1)
- Instruction Manual (1)
- Power Adapter (1)

### **System Requirements**

- Composite or component video source(s)
- A composite or component compatible display

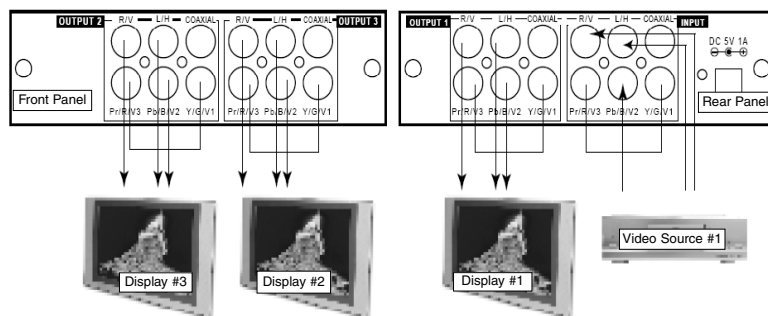
**Installation**



The following examples illustrate the configuration options for the distribution amplifier, when used with a HD component video source (YPbPr), HD RGBHV video source, or composite video source.

Prior to installation, please situate the distributor near the video signal sources, as well as an available power outlet, in order to minimize cabling requirement.

**ST123HDA used with HD component video source (YPbPr)**



Using a standard component/YPbPr cable, you can connect your video source to the distribution amplifier, to be used with up to three displays:

**Connecting the A/V source to the distribution amplifier**

1. Insert the connectors from one end of a standard component video cable to the color-coded output ports located on the A/V source.
2. Connect the remaining end of the component cable to the corresponding ports,

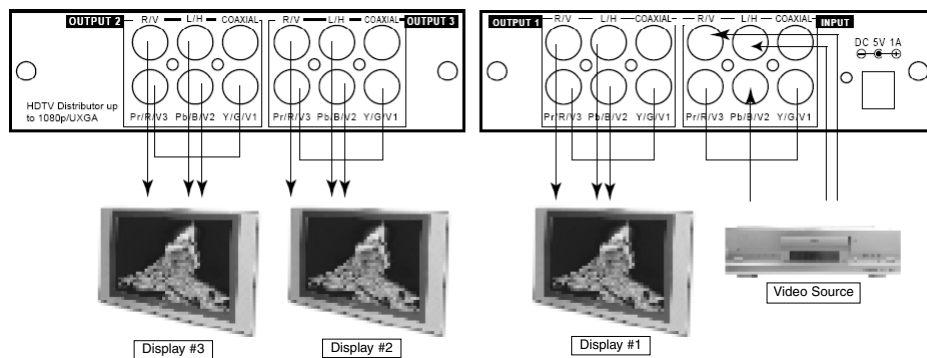
## Instruction Manual

(marked **INPUT**) on the rear panel of the distribution amplifier. The necessary ports are labelled **Pr/R/V**, **Pb/B/V2** and **Y/G/V1**.

3. Insert the connectors from one end of a standard RCA audio cable into the audio ports provided by the audio/video source.
4. Connect the remaining end of the RCA audio cable to the **INPUT** audio ports located on the rear panel of the distribution amplifier.

### **Connecting the distribution amplifier to the display**

1. Insert the connectors from one end of a standard component video cable to the color-coded **OUTPUT** ports located on the distribution amplifier. These ports will be labelled **Pr/R/V**, **Pb/B/V2** and **Y/G/V1**
2. Connect the remaining end of the component cable to the corresponding ports provided by the display. Be sure to follow the color coding appropriately, to ensure that there is a direct connection between each component signal.
3. Insert the connectors from one end of a standard RCA audio cable to the **OUTPUT** audio ports located on the distribution amplifier. These ports will be marked **R/V** and **L/H**, denoting the left and right audio channels.
4. Connect the remaining end of the RCA audio cable to the input ports located on your display. For further instruction on the location of these ports, please consult the documentation that accompanied your display at the time of purchase.



### **ST123HDA used with HD RGBHV video source**

Using a standard RGBHV cable, you can connect your video source to the distribution amplifier for use with up to three displays:

### **Connecting the A/V source to the distribution amplifier**

1. Insert the connectors from one end of a standard RGBHV video cable to the

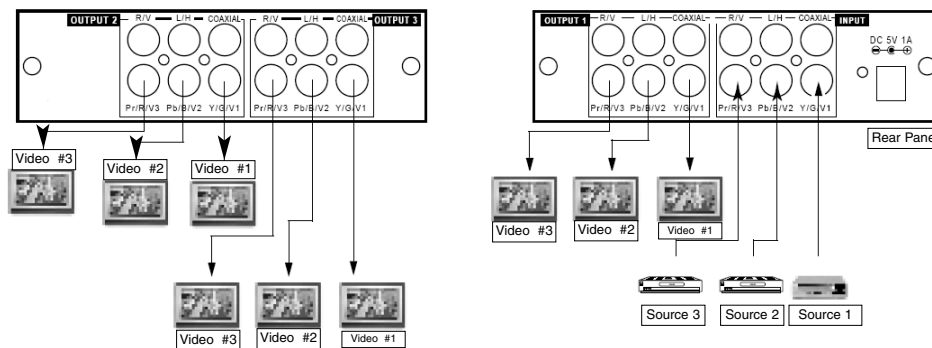
## Instruction Manual

color-coded output ports located on the A/V source.

2. Connect the remaining end of the RGBHV cable to the corresponding ports, (marked **INPUT**) on the rear panel of the distribution amplifier. The necessary ports will be labelled Pr/R/V, Pb/B/V2, Y/G/V1, L/H and R/V.
3. **(OPTIONAL)** Insert one end of a standard digital coaxial audio cable into the digital coaxial output port, provided by the audio/video source.
4. Connect the remaining end of the digital coaxial audio cable into the **INPUT** audio port, marked **COAXIAL**, located on the rear panel of the distribution amplifier.

### Connecting the distribution amplifier to the display

1. Insert the connectors from one end of a standard RGBHV video cable into the color-coded **OUTPUT** ports located on the distribution amplifier. These ports will be labelled Pr/R/V, Pb/B/V2, Y/G/V1, L/H and R/V.
2. Connect the remaining end of the RGBHV cable to the corresponding ports, on the display. For further information on how to locate the necessary ports, please consult the documentation that accompanied the display at the time of purchase.
3. **(OPTIONAL)** Connect one end of the digital coaxial audio cable into the **OUTPUT** audio port, marked **COAXIAL**, located on the distribution amplifier.
4. Connect the remaining end of the digital coaxial audio cable into the corresponding input port located on the display.



### ST123HDA used with composite video source

Using a standard composite cable for each connection, you can connect up to three video sources to the distribution amplifier for use with up to nine displays:

### Connecting the A/V source to the distribution amplifier

1. Insert the connector from one end of a standard composite video cable into the appropriate output port located on the A/V source. For further information as to the

location of the necessary port, please consult the documentation that accompanied the display at the time of purchase.

2. Connect the remaining end of the composite cable to the corresponding port, (marked **INPUT**) on the rear panel of the distribution amplifier. The necessary port(s) will be labelled Pr/R/**V1**, Pb/B/**V2**, Y/G/**V1**. Please note: Up to three video sources can be used, by inserting one composite video cable in each of the three input ports. The signal that is used with the **V1** input, will provide a signal to the outputs labelled **V1**. Similarly, the signal that is used with the **V2** input will provide a signal to the outputs labelled **V2**; the signal that is used with the **V3** input will provide a signal to the outputs labelled **V3**.

#### ***Connecting the distribution amplifier to the display***

1. Insert the connector from one end of a standard composite video cable into one of the color-coded **OUTPUT** ports located on the distribution amplifier. Please note: the video signal provided will correspond directly to the port designation. For example, the signal connected to **INPUT V1** will be transmitted through **OUTPUT(s) V1**, and so on.
2. Connect the remaining end of the composite video cable used in step 1 to the display, as designated by the video port number.

## **Technical Support**

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

## **Warranty Information**

This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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