3 Port Component Video Splitter with Digital Audio

ST123HDA

*actual product may vary from photos

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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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

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

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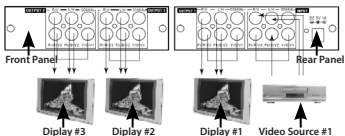
Installation
Front Panel

Rear Panel

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:
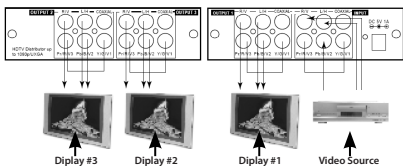
Connecting the A/V source to the distribution amplifier

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, (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.

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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 colorcoded 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.

Display #3   Display #2   Display #1   Video Source

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:
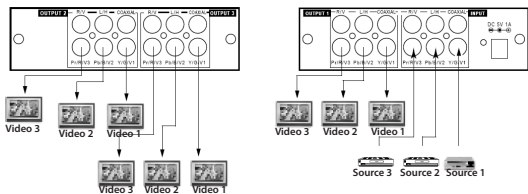
Connecting the A/V source to the distribution amplifier

1. Insert the connectors from one end of a standard RGBHV video cable to the color-coded output ports located on the A/V source.

2. Connect the remaining end of the component cable to the corresponding ports, (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.

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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 component video cable to the colorcoded 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. (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 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 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.

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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.

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