

CE labs can support many areas of your audio and video distribution needs.

We manufacture:

- Digital Signage software and Media Players
- HD Matrix Switchers
- RF amplifiers
- HDMI and Component HD distribution amplifiers
- CAT 5 Signal Extenders
- VGA Extenders and Splitters
- and cables of all types.

See our full product line at [www.celabs.net](http://www.celabs.net)

## WARRANTY

Cable Electronics, Inc. warrants this product to be free from defects in material and workmanship, under normal use and service, for a period of one year from the purchase by the original purchaser. If this product is defective or malfunctions, Cable Electronics will replace or repair this unit (at their option) within a reasonable time. No expressed or implied warranty is made for any defects caused by immersion or exposure to liquids, abuse, neglect, improper operation of unit, excess wear and tear and defects resulting from unauthorized disassembly and or modification.

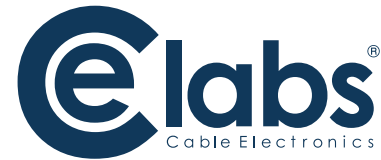


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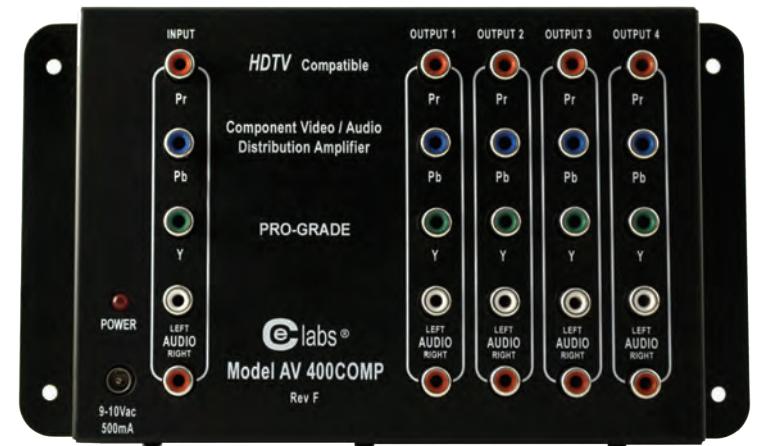
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# INSTRUCTION MANUAL



## AV400COMP Audio/Video Distribution Amplifiers



True one to one ratio

No signal loss

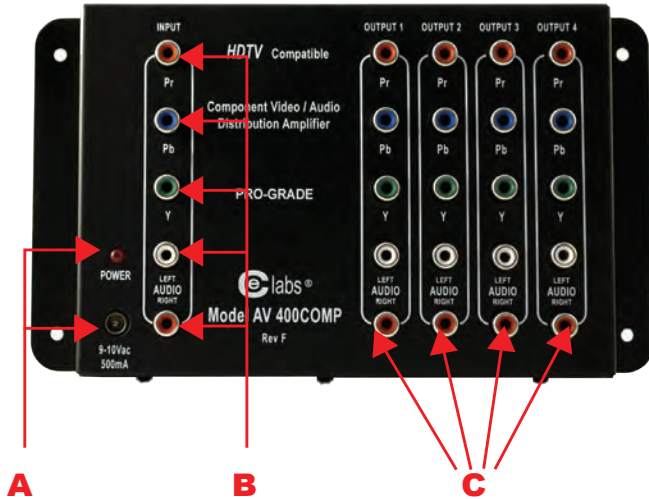
Daisy chain several units for larger displays with great picture quality

Heavy duty metal housing provides excellent shielding

Allows up to 150 ft. run

## GENERAL INFORMATION

The AV400COMP allows any audio/video source with Y, Cb, Cr, or Y, Pb, Pr application outputs (component), to distribute audio and video. The signal ratio is true one to one with no loss from original source to four different locations. These locations must have the same application as your audio/video source.



- A.** 9 Volt AC input jack at 500mA with 2.1 mm power jack. LED lights up when power is applied.
- B.** Input Jacks: Connect to original source at corresponding output jacks Video connections are coded (Y to Y, Cb to Cb, Cr to Cr, or Y to Y, Cb to Pb, Cr to Pr) with audio connections being color coded (red to red, white to white)
- C.** Output Jacks: Connect to corresponding input jacks of TVs, VCRs, etc.

## SAFETY INSTRUCTIONS

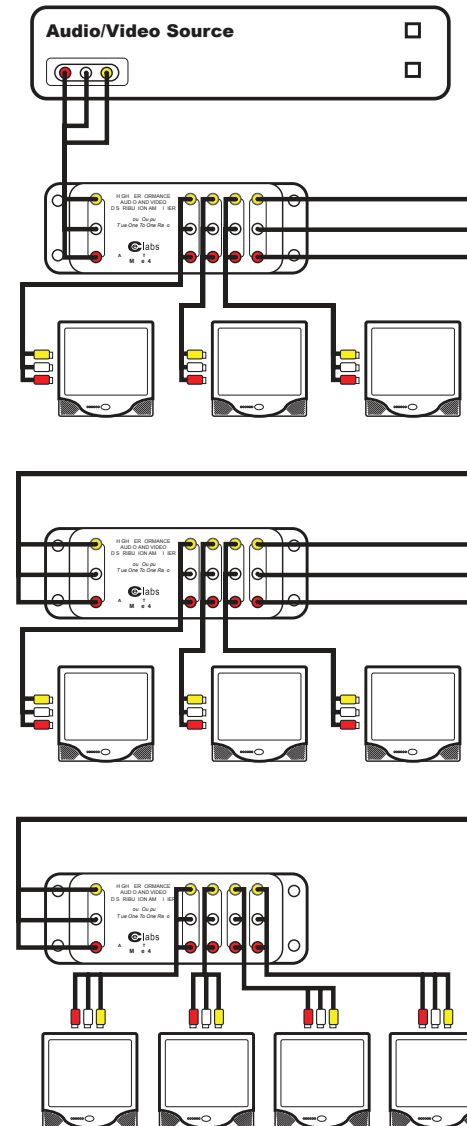
**Location:** Avoid locations with strong vibrations, direct sunlight or intense heat.

**Avoid Electrical Shock:** Do not handle power cord with wet hands; do not expose to rain or other moisture. If liquid is spilled on unit, unplug and have unit serviced at authorized service center. To reduce the risk of electrical shock, do not remove cover. No user serviceable parts inside.

## KEY INFORMATION

The AV400COMP can be looped, cascaded or put in tandem as shown without loss of audio/video signals. Maximum total runs using multiple amplifiers should be limited to 150 feet for optimum performance.

## Common Audio/video Sources: VCR, CD, Satellite receiver, etc.



## SPECIFICATIONS

### VIDEO

- Gain:** 1 Volt, unterminated 2 Volt
- Input Impedance:** 75 Ohms +5%
- Video Response:** 50 Hz to 100 MHz <0.4dB
- Ch. to Ch. Isolation:** 50 Hz to 10 Mhz 32 dB
- Out to In Isolation:** 50 Hz to 10 MHz 60 dB
- Return Loss:** 50 Hz to 10 MHz 20 dB

### AUDIO

- Gain:** Unity
- Input Impedance:** 22 K Ohm
- Output Impedance:** 100 Ohm
- THD:** 0.05% at 1.0 Volts input level
- Frequency Response:** 10 to 50 KHz + 1 dB
- Channel Separation:** > 75 dB @ 1 KHz
- Out to In Isolation:** 60 dB
- Signal to Noise:** 100 dB (re: 2 Volts out)