

HIGH PERFORMANCE  
**AUDIO / VIDEO  
 DISTRIBUTION  
 AMPLIFIERS**



**LIMITED 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 date of purchase by the original purchaser. If this product is defective or malfunctions, Cable Electronics will replace or repair this unit (at its 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 operating of unit, excess wear and tear and defects resulting from unauthorized disassembly and/or modification.



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- 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. runs



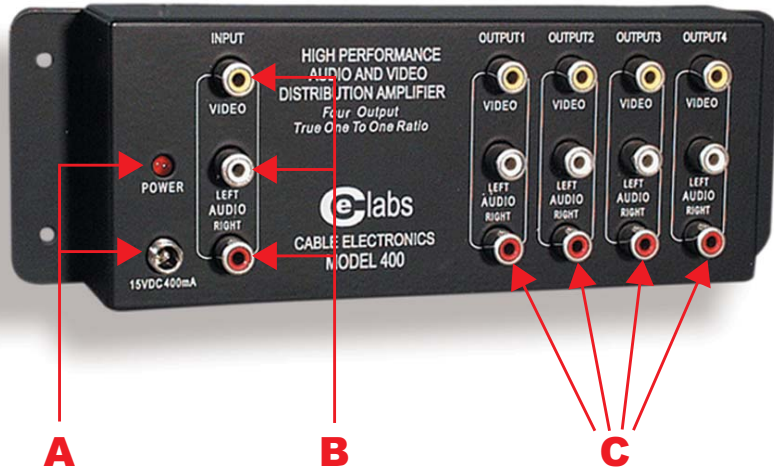
**MODEL AV400 & AV700**

## GENERAL INFORMATION

Both models are low noise, low distortion unity gain distribution amplifiers for line level stereo audio and video baseband signals.

Both models distribute a true one to one signal ratio. There is no loss of signal from original source to any output.

The model AV400 distributes audio/video to four TVs without loss. The AV700 distributes audio/video to seven TVs.



- A.** 15 Volt DC input jack and power indicator. LED lights up when power is applied.
- B.** Input Jacks: Connect to original source at corresponding output jacks. Connections are color coded (red to red, yellow to yellow and white to white).
- C.** Output Jacks: Connect to corresponding input jacks of TVs, VCRs, etc. Connections are color coded.

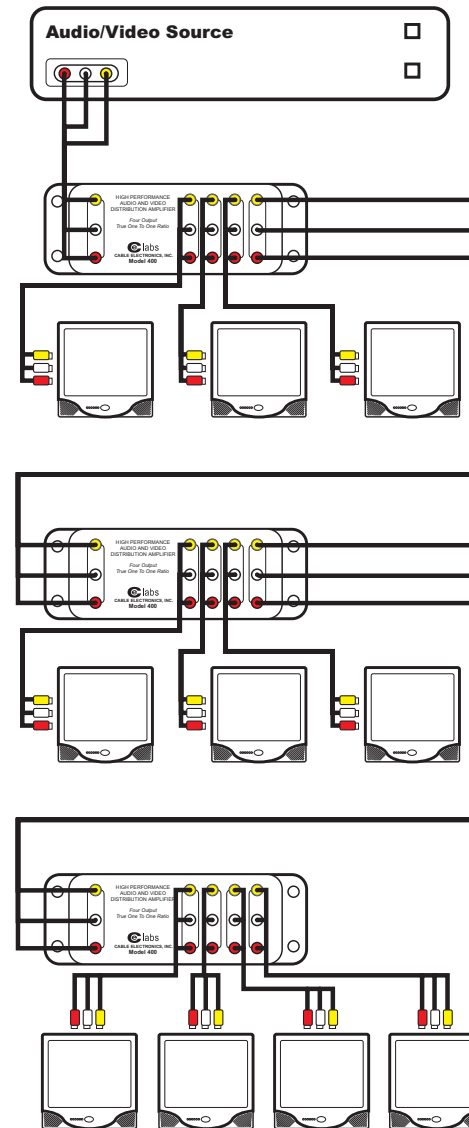
## SAFETY INSTRUCTIONS

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 AV400 and 700 units can be looped, cascaded or put in tandem as shown below without loss of audio/video signals. Audio/Video cables need to be top quality and can have runs of up to 100 feet between units and 150 feet between units and TVs.

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



## VIDEO

Gain:  
1 Volt, Underterminated 2 Volt

Input Impedance:  
75 Ohms +5%

Video Response:  
50 Hz to 10 MHz < .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)