

## VIDEO

(All channels including Component and Composite)

Normal Input Level:

1 Volt peak to peak

Gain:

1 Volt into 75 ohms,

2 Volts Unterminated

Input Impedance:

75 ohms

Output Impedance:

75 ohms

Isolation Port to Port:

32 dB

Isolation Out to Input:

60 dB

Return Loss:

18 dB

Video Bandwidth:

> 75 MHz (HDTV requires

37 MHz min.)

## AUDIO

### ANALOG

Nominal Input Level:

1 Volt peak to peak

Gain:

Unity (one to one)

Input Impedance:

22 k ohm

Output Impedance:

1 k ohm

THD:

0.05%

Frequency Response:

20 Hz to 100 kHz

Channel Separation:

> 75 dB

Port to Port Isolation:

60 dB

Out to Input Isolation:

60 dB

Signal to Noise:

100 dB @ 2 Volts Out

### DIGITAL

Supports Standard SPDIF audio.

Unity gain when terminated into 75 ohms (2X gain high imp.).

Greater than 50 MHz of bandwidth to ensure minimal degradation.

## 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.

## 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 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 operating of unit, excess wear and tear and defects resulting from unauthorized disassembly and/or modification.



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HIGH PERFORMANCE

# 1 IN 9 OUT, COMPONENT HDTV DISTRIBUTION AMPLIFIER



- Compatible with all HDTV signals, analog video, and digital and analog audio signals
- Supports standard SPDIF digital audio
- 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

INSTRUCTION MANUAL

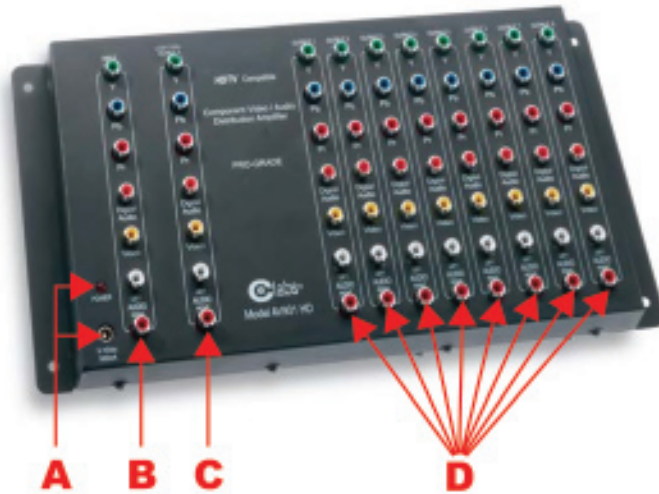
MODEL AV901HD



CABLE ELECTRONICS, INC.

## GENERAL INFORMATION

The AV901HD has one set of inputs and eight sets of outputs and a loop-thru to go to the next amplifier. The unit allows any audio/video source, with Y, Cb, Cr, or Y, Pb, Pr outputs (component), to distribute audio and video to nine different locations without any signal loss. The amplifier also supports composite video and digital audio. *NOTE: the ninth output may be used to daisy chain several units together as is typically done in store displays.*



- A.** External 9 to 10 Volt AC @ 1000 mA with a 2.1 mm power jack. LED lights up when power is applied. Power supply is included.
- B.** Input Jacks: Connect to original source at corresponding output jacks. Component connections are coded (Y to Y, Cb to Cb, Cr to Cr, or, Y to Y, Cb to Pb, Cr to Pr). Also supported is standard composite video and digital audio.
- C.** Loop-Thru Jacks: Used to daisy chain several units together. Connect to corresponding input jacks of next amplifier.
- D.** Output Jacks: Connect to corresponding input jacks of TVs, VCRs, etc.

## KEY INFORMATION

The AV901HD can be looped, cascaded or put in tandem as shown without loss of audio/video signals. **Maximum total runs for amplifiers should be limited to 150 feet for optimal performance.**

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

