



**MicroAmp SV-S, CV-S,
4-CV & 4-MA
VIDEO & AUDIO DISTRIBUTION
OPERATING AND MAINTENANCE MANUAL**



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DESCRIPTION

The MicroAmp AV Series allows up to four composite video signals, one S-Video, and a maximum of four unbalanced audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The **SV-S** Model has one S-Video channel and two Channels of audio. The **CV-S** Model has one composite video channel and two channels of audio. The **4-CV** Model consists of four composite video channels. The **4-MA** Model has four audio channels, all of which can be paired.

Sold and used in pairs, ATI MicroAmps eliminate up to three coaxial cables, allowing audio-video equipment to be connected via space efficient and cost effective Category 5 twisted pair cable.

The MicroAmp AV Series is ideal for on-location sound, classroom video distribution, hospital video training, commercial and home audio or video systems, video kiosks and video conferencing. Applications include DVD players, Video cams, long audio cable runs and satellite receivers.

NOTE THAT CAT5 CABLES MUST BE WIRED AS CROSSOVER FOR MICROAMP UNITS TO OPERATE PROPERLY.

FEATURES INCLUDE

- Composite audio and unbalanced audio
- Cable runs up to 3200 feet (975 m)
- Run multiple channels over CAT5 UTP
- Greater stability with wider bandwidth
- Eliminates ground loops
- Cost efficient cabling
- Bi-Directional operation

MODELS

MicroAmp SV-S	1 S-Video Channel and 2 Channels of Audio (can be paired)
MicroAmp CV-S	1 Composite Video Channel and 2 Channels of Audio (can be paired)
MicroAmp 4-CV	4 Composite Video Channels (can be paired)
MicroAmp 4-MA	4 Audio Channels (can be paired)

TECHNICAL SPECIFICATIONS

VIDEO

GAIN	Unity
PHASE ERROR	+/- 2%
GAIN ERROR	+/- 2%
RETURN LOSS	> 15dB over frequency range from DC to 8 MHz

VIDEO INPUT

MAXIMUM LEVEL	1.0V RMS
IMPEDANCE	75 ohms

VIDEO OUTPUT

MAXIMUM LEVEL	1.0V RMS
IMPEDANCE	75 ohms

AUDIO

BANDWIDTH	10Hz to 30 kHz
CMR	> 40 dB, 20MHz to 20 kHz

ANALOG AUDIO OUTPUT

IMPEDANCE	600 ohms
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GENERAL

INTERCONNECT WIRING	Crossover
TRANSMISSION	Transparent to the user
TEMPERATURE	Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%
CONNECTORS	2 RCA Female for stereo audio, S-Video connector, BNC connector, and 1 RJ45 jack for CAT5
ENCLOSURE TYPE	Fire Retardant Black Plastic
ISOLATION	500 V (audio) per channel
DEVICES SUPPORTED	DVD, VCR, camcorders, audio receivers and amplifiers, AV switches, splitters, AV mixers and other analogue audio-video equipment featuring coaxial input or output w/ BNC or RCA connectors
ENCLOSURE DIMENSIONS	2.4" (6.1cm) x 2.25" (cm) x 1" (2.5cm)
PRODUCT WEIGHT	3 oz (85 grams)

Typical Application

