

The 500ADA-AUD Analog Audio Distribution Amplifier is a general purpose 1x4 amplifier for distributing analog audio signals.

The 500ADA-AUD is housed in the 500FR **exponent** frame that will hold up to 16 modules.

The 500ADA-AUD can be operated with either differential or single ended inputs and offers a wide range of gain adjustment to handle a wide variety of input signals.

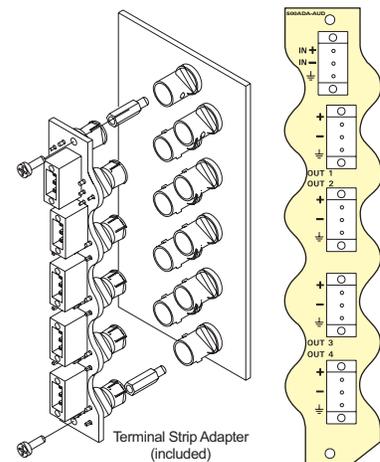
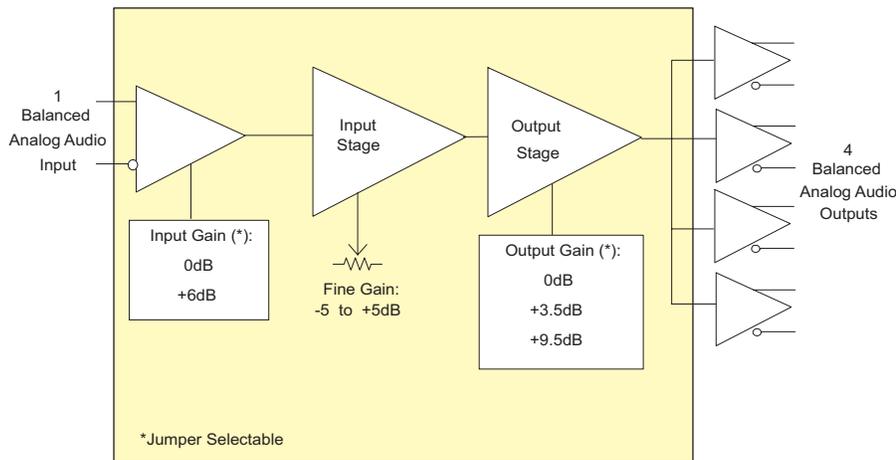
### ►Features & Benefits

- Differential and single ended input (automatic single ended to differential conversion)
- High impedance inputs
- Low impedance outputs
- Wide gain adjustment range
- High common mode range and common mode rejection ratio
- Very high SNR

- Very low THD+N
- VistaLINK® -capable for remote monitoring via SNMP (using VistaLINK® PRO) when installed in 500FR frame with 500FC VistaLINK® Frame Controller

#### Card Edge LEDs

- Module status/Local Fault
- Power supply status



### ►Specifications

#### Analog Audio Input:

Standards: Any analog audio signal  
 Number of inputs: 1 (Balanced or Single ended)  
 Connectors: 3-pin removable terminal strips  
 Input step gain: 0dB or +6dB (configurable with jumpers)  
 Fine gain control: -5 to +5dB (card edge pot adjustable)  
 Maximum input level:  
 0dB input gain: +34dBu  
 +6dB input gain: +28dBu  
 Common mode rejection:  
 > 105dB @ 60Hz  
 Common mode range:  
 0dB input gain: > ±22V  
 +6dB input gain: > ±7V  
 Input impedance:  
 0dB input gain: 44kΩ  
 +6dB input gain: 26kΩ

#### Analog Audio Outputs:

Number of Outputs: 4  
 Connectors: 3-pin removable terminal strips  
 Output step gain: 0, 3.5 or 9.5dB (configurable with jumpers)  
 Max. output level: +28dBu across hi-impedance load  
 +24dBu into 600Ω load  
 Output impedance: 66Ω  
 Freq. Response: ±0.03dB 20Hz to 20kHz  
 THD+N: 0.001% 20Hz to 20kHz @ 28dBu, unweighted RMS  
 Output Isolation: > 100dB @ 1kHz, 100dB @ 20kHz

#### Electrical:

Voltage: +12V DC  
 Power: 6W

#### Physical:

Number of slots: 1

### ►Ordering Information

**500ADA-AUD** Analog Audio Distribution Amplifier

#### Accessories:

**500FC** VistaLINK® Frame Controller  
**CP-2116E-H** Remote Control Panel  
**CP-2232E** Remote Control Panel

#### Enclosures

**500FR**  
**S501FR**

#### **exponent**

Compact High Density Distribution Frame  
 Standalone enclosure