

500ADA-AUD

Analog Audio Distribution Amplifier

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.

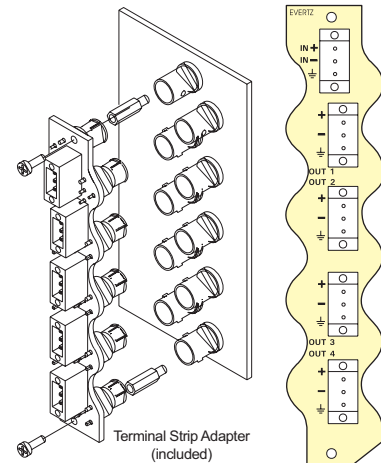
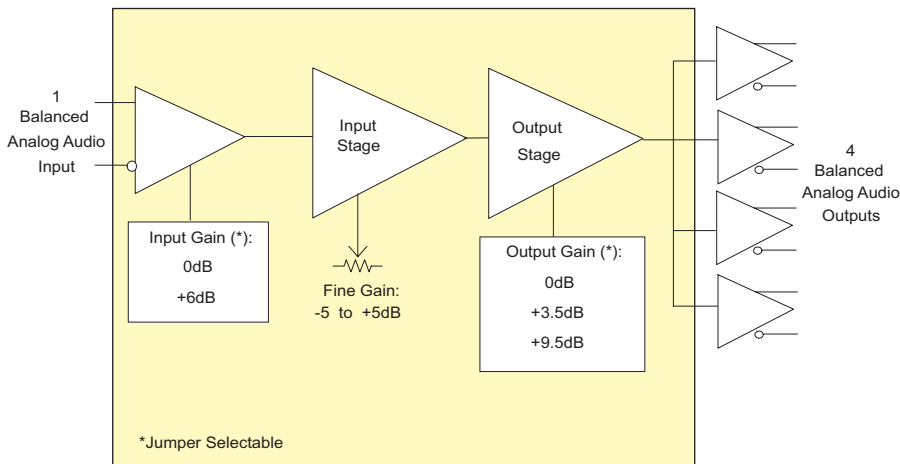
►Features & Benefits

- 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

Enclosures
 500FR
 S501FR

exponent
 Compact High Density Distribution Frame
 Standalone enclosure

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
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Compact Modular - 300, 400 & 500 Series