

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 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.

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

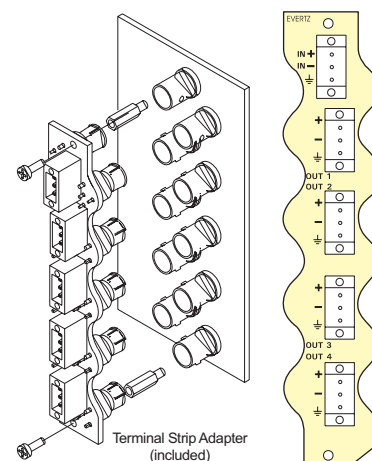
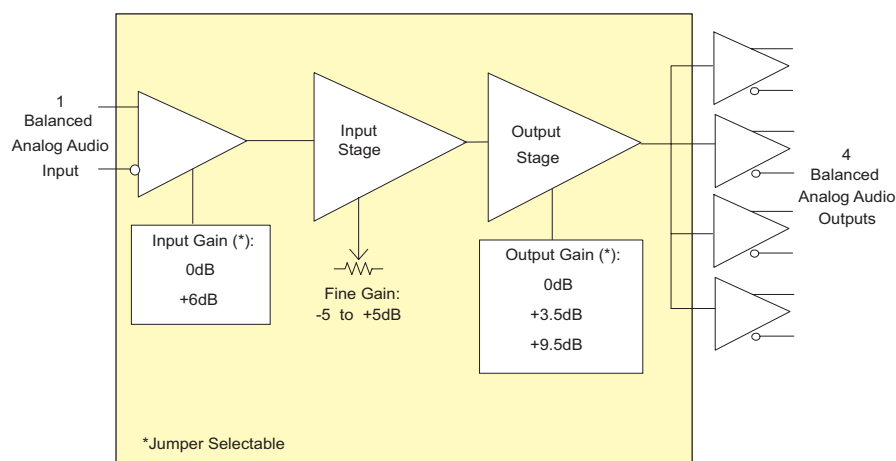
Features & Benefits

- 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