

7700ADA-AUD

Dual Analog Audio Distribution Amplifier

The 7700ADA-AUD Dual Analog Audio distribution amplifier is a general purpose amplifier for distributing analog audio signals. It can be operated as two independent 4 output amplifiers for stereo signals, or as a single amplifier with 8 outputs where higher fanout is required.

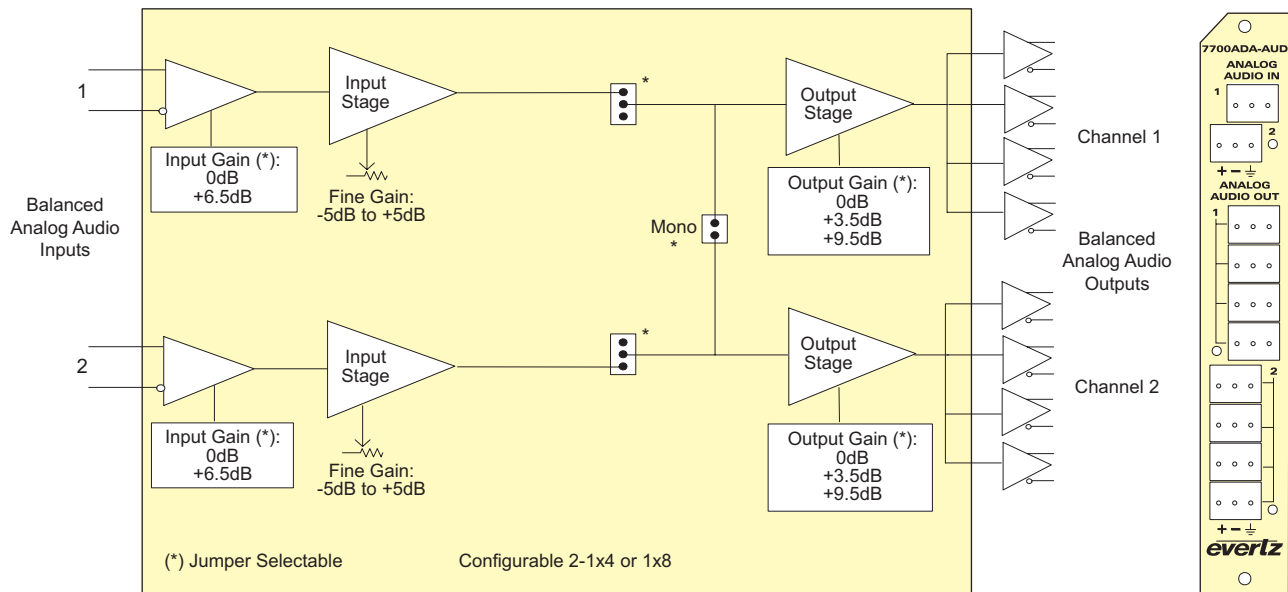
The 7700ADA-AUD can be operated with either differential or single ended inputs and offers a wide range of gain adjustment to handle a wide variety of input signals.

►Features & Benefits

- Differential and single ended input (automatic single ended to differential conversion)
- Configurable for stereo (2-1x4) or mono (1x8)
- High impedance input
- Low impedance outputs
- Wide gain adjustment range
- High common mode range and common mode rejection ratio (CMRR)
- Very high SNR
- Very low THD+N

Card Edge LEDs

- Module status/Local fault



►Specifications

Analog Audio Input:		Analog Audio Outputs:		Electrical:	
Standards:	Any analog audio signal	Number of Outputs:		Voltage:	+12V DC
Number of inputs:	2 (Balanced or Single ended)	Stereo Mode:	4 outputs each on left and right channels	Power:	12W
Connectors:	3-pin removable terminal strips	Mono Mode:	8 outputs	EMI/RFI:	Complies with FCC Part 15, Class A, EU EMC Directive
Input step gain:	0dB or +6.5dB (configurable with jumpers)	Connectors:	3-pin removable terminal strips	Physical:	Number of Slots: 1
Fine gain control:	-6.5dB to +9.5dB (card edge pot adjustable)	Output step gain:	0, 3.5 or 9.5dB (configurable with jumpers)		
Max input level:		Max output level:	+28dBu across hi-impedance load		
0dB input gain:	+34dBu		+24dBm into 600Ω load		
+6.5dB input gain:	+28dBu	Output impedance:	66Ω		
Noise floor:	-87dBu (0dB input gain), -91dBu (+6.5dB input gain jumper setup)	Frequency Response:	±0.02dB 20Hz to 20kHz		
Common mode rejection:		Stereo phase mismatch:	< 1° @ 20kHz		
	> 115dB @ 60Hz, 90dB @ 20kHz (tested with +28dBu C/M input)	SNR:			
		0dB input gain:	115dB		
Common mode range:		+6.5dB input gain:	119dB		
0dB input gain:	> ±22V	THD+ Noise:	0.001% 20Hz to 20kHz @ 28dBu, unweighted RMS, Hi-Z load		
+6.5dB input gain:	> ±7V		0.01% with 600Ω up to 24dBm		
Input impedance:		Intermodulation Distortion:			
0dB gain	33kΩ		0.001% - SMPTE @ 18dBu		
+6.5dB gain	18kΩ	Stereo crosstalk:	> 115dB @ 1kHz, > 93dB @ 20kHz		
		Output Isolation:	> 110dB @ 1kHz, 100dB @ 20kHz		

►Ordering Options

7700ADA-AUD Balanced Analog Audio Distribution Amplifier (Configurable 1x8 or 2-1x4)

Ordering Options Rear Plate must be specified at time of order
Eg: Model +3RU

Rear Plate Suffix
+3RU 3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU 1RU Rear Plate for use with 7701FR Multiframe
+SA Standalone Enclosure Rear Plate

Enclosures

350FR
7700FR-C
7800FR
7701FR
S7701FR

3RU Portable Multiframe which holds up to 7 single slot modules
3RU Multiframe which holds up to 15 single slot modules
3RU Multiframe which holds up to 15 single slot modules
1RU Multiframe which holds up to 3 single or dual slot modules
Standalone Enclosure