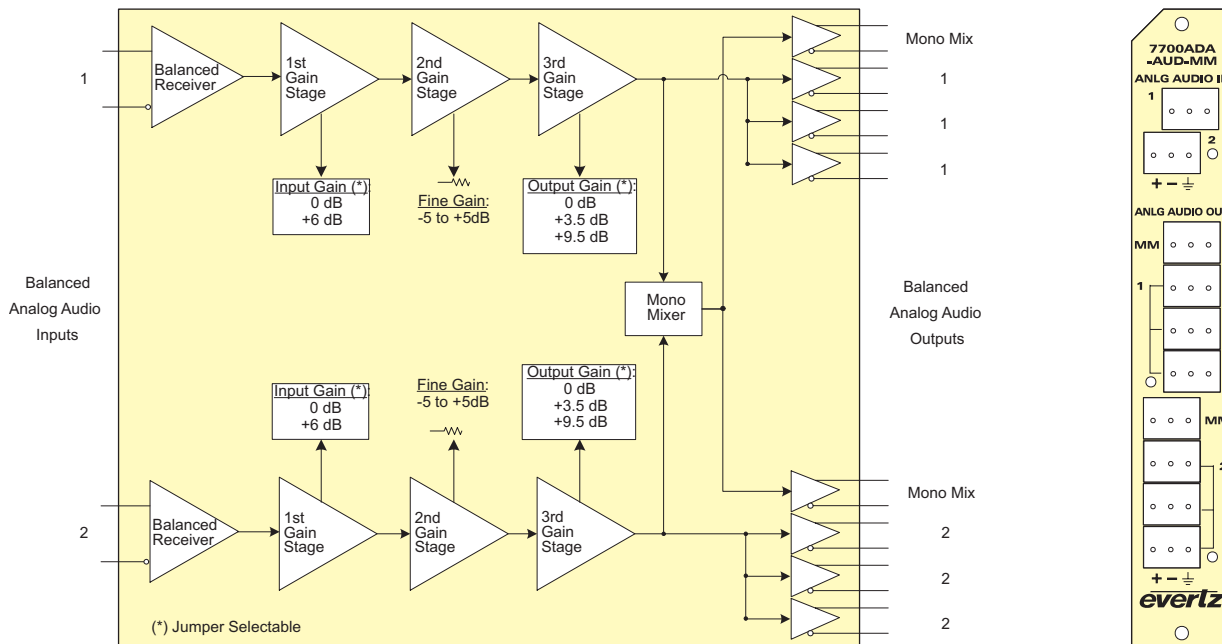# 7700ADA-AUD-MM
Dual Analog Audio Distribution with Mono Mix

The 7700ADA-AUD-MM Balanced Analog Audio Distribution Amplifier with Mono Mix is a general purpose amplifier for distributing analog audio signals and providing a mono mix output of the stereo inputs. It 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 7700ADA-AUD-MM occupies one card slot and can be housed in either a 1RU frame, which will hold up to three modules, or a 3 RU frame, which will hold up to 15 modules.

Features & Benefits

- Differential and single ended inputs (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 and very low THD+N
- Mono Mix of the stereo input
- Module Status/Local Fault

Specifications

Analog Audio Inputs:

Standard:	Any analog audio signal
Number of Inputs:	2 (Balanced or Single ended)
Connector:	3-pin removable terminal strips
Maximum Input Level:	
0dB Input Gain:	+33dBu
+6dB Input Gain:	+28dBu
Noise Floor:	-87dBu (0dB input gain), -91dBu (+6dB input gain jumper setup)
Common Mode Rejection:	> 90dB @ 60Hz, 60dB @ 20kHz (tested with +28 dBu CM input)
Common Mode Range:	
0dB Input Gain:	> ±22V
+6dB Input Gain:	> ±7V
Input Impedance:	
0dB Input Gain	33kΩ
+6dB Input Gain	15kΩ

Analog Audio Outputs:

Number of Outputs:		
Distribution		
Amplified Outputs:	3 outputs each of left and right channels	
Mono Mix Outputs:	2 outputs total	
Connectors:	3-pin removable terminal strips	
Maximum Output Level:		
	+28dBu across hi-impedance load	
	+24dBm into 600Ω load	
Output Impedance:	66Ω	
Frequency Response:		
	±0.02dB 20Hz to 20kHz	
Stereo Phase Mismatch:		
	< 1° @ 20kHz	
SNR:		
0dB Input Gain:	115dB	
+6dB Input Gain:	119dB	
THD+ Noise:	0.001% 20Hz to 20kHz @ 28dBu, unweighted RMS	
Intermodulation Distortion:		
	0.001% - SMPTE @ 18dBu	
Stereo Crosstalk:	>115dB @ 1kHz, >93dB @ 20kHz	

Available Gains:

Input Step Gain:	0dB or +6dB (configurable with jumpers)
Fine Gain Control:	-5 to +5dB (card edge pot adjustable)
Output Step Gain:	0, 3.5 or 9.5dB (configurable with jumpers)

Electrical:

Voltage:	+12V DC
Power:	12W
EMI/RFI:	Complies with FCC regulations for class A devices
	Complies with EU EMC directive

Physical:

Number of slots:	1

Ordering Information

7700ADA-AUD-MM Dual Analog Audio Distribution Amplifier with Mono Mix

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

Rear Plate Suffix
+3RU 3RU Rear Plate for use with 7700FR-C Multiframe
+1RU 1RU Rear Plate for use with 7701FR Multiframe

Enclosures
7700FR-C 3RU Multiframe which holds up to 15 single slot modules
7701FR 1RU Multiframe which holds up to 3 single or dual slot modules