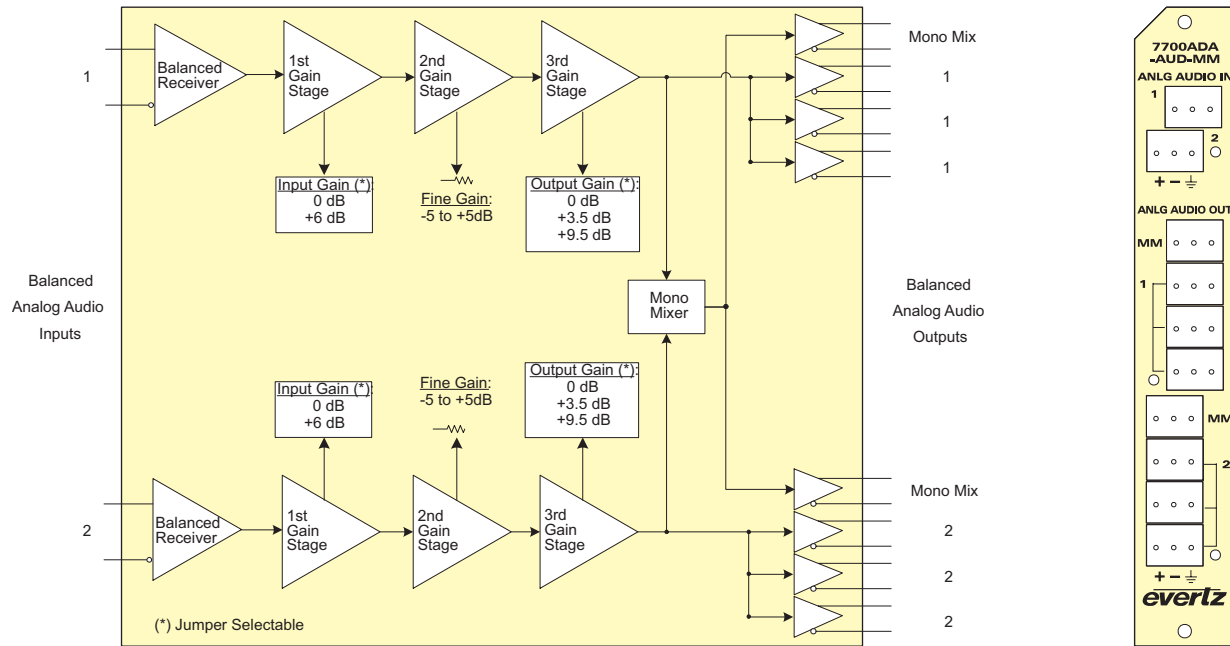


The 7700ADA-AUD-MM Balanced Analog Audio Distribution Amplifier with Mono Mix is a general purpose amplifier for distributing analog audio signals and providing a mono mix output of the stereo inputs. It can be operated with either differential or single ended inputs and offers a wide range of gain adjustment to handle a wide variety of input signals.

The 7700ADA-AUD-MM occupy one card slot and can be housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules or a 350FR portable frame which will hold up to 7 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 350FR & 7700FR-C Multiframe
 +1RU 1RU Rear Plate for use with 7701FR Multiframe

Enclosures

350FR
 7700FR-C
 7701FR

3RU Portable Multiframe which holds up to 7 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