

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 also be operated as a summing amplifier with either normal or inverted outputs.

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

- Differential and single ended input (automatic single ended to differential conversion)
- Programmable for stereo, mono, or summing
- High impedance input
- Standard with 66W outputs, 600W also available
- High common mode range and common mode rejection ratio
- Wide gain adjustment range

Card Edge LEDs:

- Module status/Local Fault

Specifications

Analog Audio Input:

Standards	Any analog audio signal
Number of Inputs	2 (Balanced or Single ended)
Connector	3 pin terminal strips
Max Input Level	+30 dBu
Common Mode Rejection	> 100dB @ 60Hz > 20dB @ 20 kHz
Input Impedance	40 kΩ
Gain Control	3.5 to 20 dB
Step Attenuator	6 dB max

Analog Audio Outputs:

Number of Outputs:	Stereo Mode: 4 outputs each on left and right channels Mono Mode: 8 Outputs Summing Mode: 8 mono (L + R sum) or 8 inverted mono or 4 mono and 4 inverted mono
Connector:	3 pin terminal strips
Step Gain Control:	0, 3.5 and 9.5 dB
Max Output Level:	28 dBu (+24 dBm on -600 version)
Output Impedance:	66Ω (600Ω on -600 version)
Output Isolation:	> 70 dB > 100 dB relative to +8 dBu (unity gain)
Freq. Response:	+/- 0.05dB 20Hz to 20kHz
THD+ Noise:	<0.005% 20Hz to 20kHz @ 30 dB
Intermodulation Distortion:	0.005% - SMPTE @ 18 dBu
Crosstalk Between Amplifiers:	> 100 dB
Interchannel Crosstalk:	> 95dB

Electrical:

Voltage:	+12V DC
Power:	12 Watts
EMI/RFI:	Complies with FCC Part 15 Class A EU EMC Directive

Physical:

Number of Slots:	1
-------------------------	---

Ordering Information:

7700ADA-AUD:

Dual Analog Audio Distribution Amplifier - 66 O outputs

7700ADA-AUD-600:

Dual Analog Audio Distribution Amplifier - 600 O outputs

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

+SA:

Standalone Enclosure (with power supply)

Enclosures

7700FR-C:

3RU Multiframe which holds 15 modules

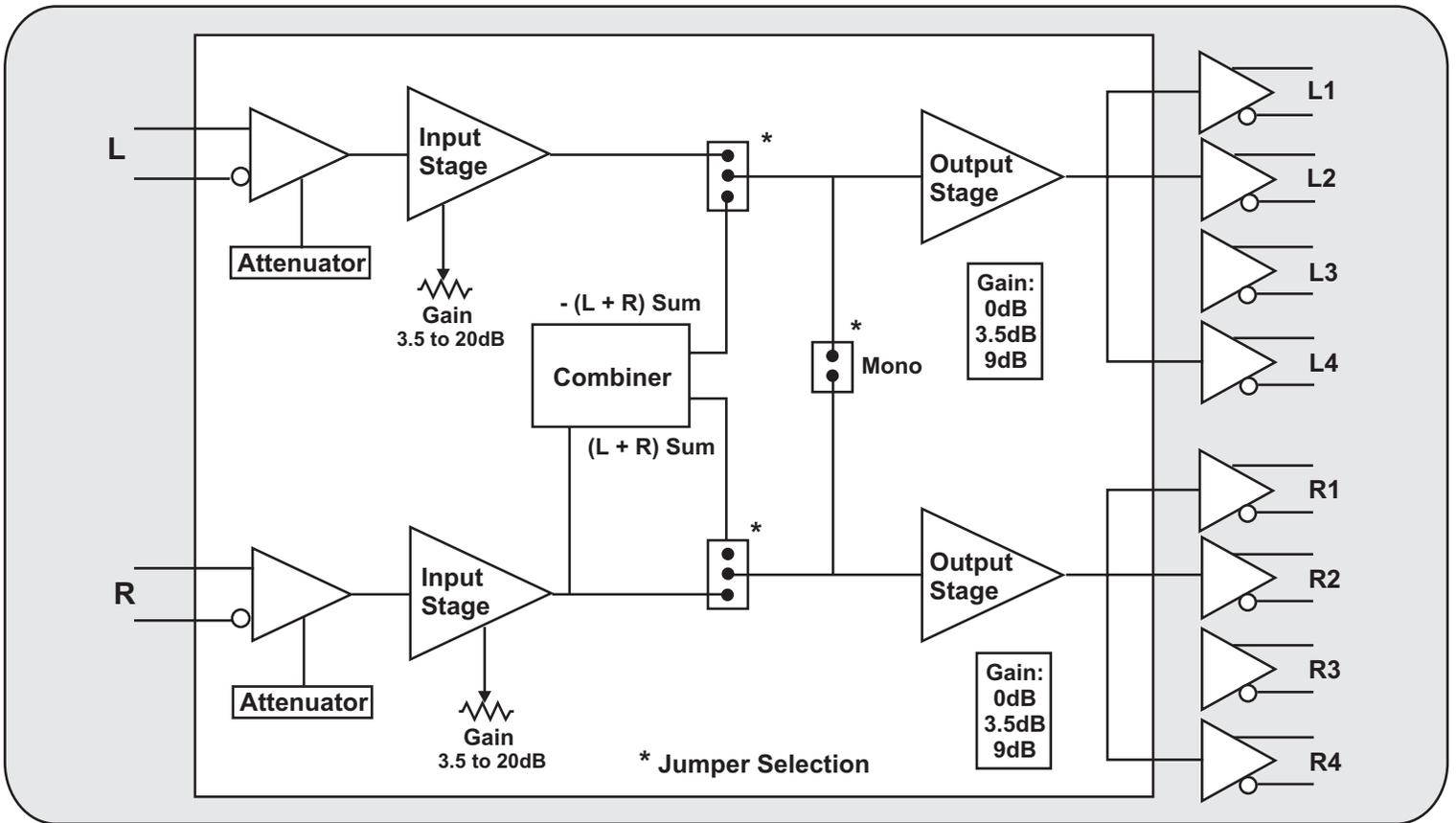
7701FR:

1RU Multiframe which holds 3 modules

S7701FR:

Standalone enclosure

7700ADA-AUD Block Diagram



7700ADA-AUD Rear Panel

