



Synapse

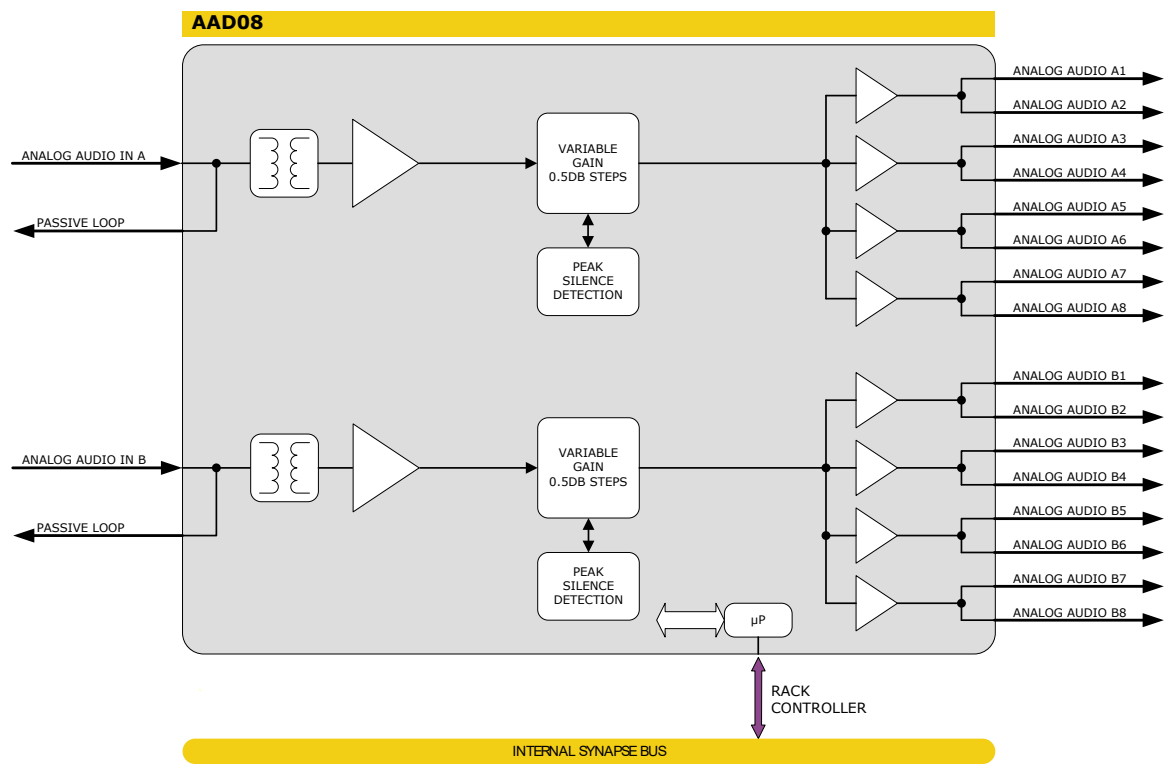
AAD08

Dual channel 1 to 8 analog audio distribution amplifier
A Synapse® product



Due to constant product research and development all specifications are subject to change without notice. EVS does not warrant or assume any legal liability or responsibility for the accuracy, completeness, availability and/or delivery of the products and/or services listed in this catalog. Copyright © 2021 EVS

Block schematic & I/O panel

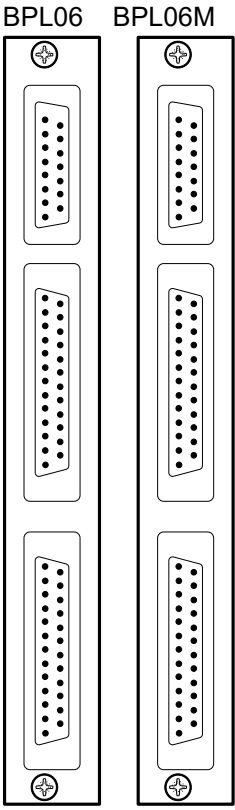


ANALOG AUDIO INPUTS AND PASSIVE LOOP

ANALOG AUDIO OUTPUTS
 Channels A 1-4 and B 1-4 on BPL06
 Channels A 1-8 on BPL06M

ANALOG AUDIO OUTPUTS
 Channels A 5-8 and B 5-8 on BPL06
 Channels B 1-8 on BPL06M

For sub-D pinning see the manual at www.evs.com



Features

The AAD08 Analog Audio Distribution Amplifier provides dual channel 8 way distribution. It utilizes high quality components to provide high reliability and excellent audio performance. The AAD08 features Real Transformers on its inputs, Variable Gain, Peak Detection and Silence Detection.

- 8 balanced outputs per channel
- Transformer coupled input
- Low impedance output with transformer properties
- Level control (0.5dB increments)
- Peak detection 0 dBu to 24 dBu
- Silence detection
- 24dBu maximum input level
- Full control and status monitoring through the front panel of the SFR04/SFR08/SFR18 frame and the Ethernet port (ACP)

Applications

- Generic analog audio distribution
- Analog audio silence and clipping detection/probing
- Analog audio galvanic isolation / hum suppression

Ordering information

Module:

- **AAD08:** Dual channel 1 to 8 analog audio distribution amplifier

Standard I/O:

- **BPL06_AAD08:** I/O panel for AAD08 with 4 stereo outputs on sub-D
- **BPL06M_AAD08:** I/O panel for AAD08 with 8 mono outputs on sub-D

Specifications

Analog Audio Input

Type	Balanced analog audio
Number of Inputs	2 Transformer coupled
Connector	15 pins female Sub-D
Impedance	10k Ohms nominal (differential)
Signal Level	24dBu max
Level Control Range	+30dB to -90dB 0.5dB increments
Frequency Response	< ±0.1dB, 20Hz to 20kHz (broadcast quality)
Dynamic Range	100dB @-60 dBFS
THD+N	< 0.002% (>96dB) @ 1kHz < 0.003% (> 94dB) @ 20Hz to 20kHz,
CMRR	> 60dB at 1kHz

Analog Audio Output

Type	Balanced analog audio
Number of Outputs	2
Connector	25 pins female Sub-D
Impedance	50 Ohms balanced
Signal Level	24dBu max

Miscellaneous

Weight	Approx. 250g
Operating Temperature	0° C to +50° C
Dimensions	137 x 296 x 20 mm (HxWxD)

Electrical

Voltage	+24V to +30V
Power	<8 Watts