



# Synapse

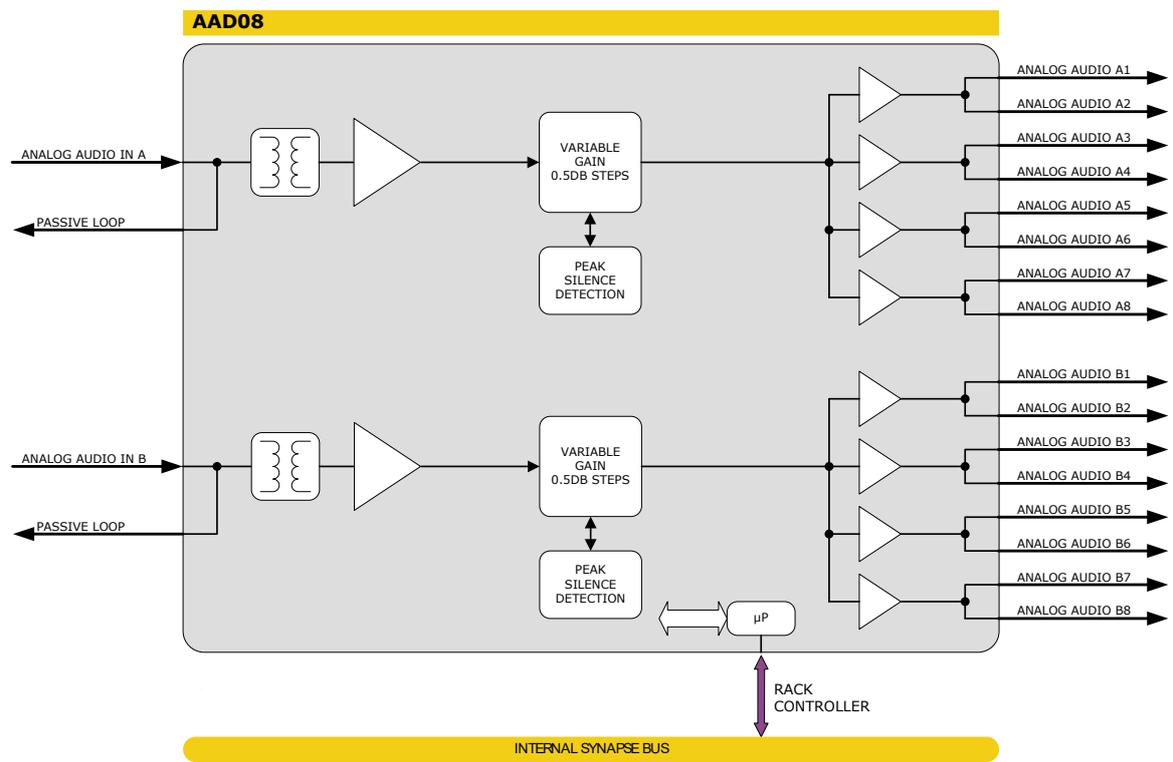
## AAD08

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



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**Block schematic & I/O panel**

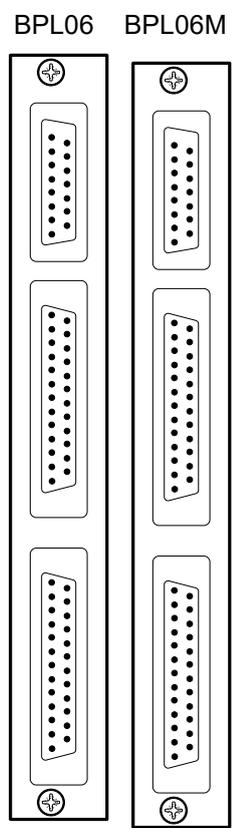


ANALOG AUDIO INPUTS AND PASSIVE LOOP

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](http://www.evs.com)



### Features

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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

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

### Ordering information

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**Module:**

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

**Standard I/O:**

- **BPL06-PANEL:** I/O panel for AAD08 with 4 stereo outputs on sub-D
- **BPL06M-PANEL:** I/O panel for AAD08 with 8 mono outputs on sub-D

## Specifications

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### Analog Audio Input

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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

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

### Miscellaneous

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

### Electrical

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