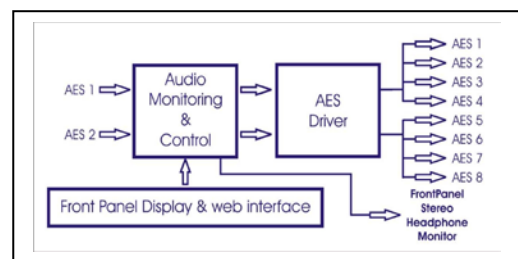




## Features

- Dual balanced or unbalanced AES Inputs
- Supports incoming AES sampling rates (8 to 96KHz)
- 8 AES balanced outputs (Dual 4 output banks)
- Input failure switching (control setting)
- Front panel stereo headphone monitoring (3.5mm stereo socket)
- AESDA-3100 & AESDA-3110
  - Graphical Front Panel
  - Web based monitoring & control
  - Channel swapping, phase inversion, muting & amplitude control
  - Internal test tone generator



## Description

The Digital Audio DA is a universal distribution amplifier for AES3 digital audio formats. The AESA-3000 & AESA-3100 support balanced inputs, while the AESA-3010 & AESA-3110 support unbalanced inputs. The DA is also capable of performing audio processing, including pair swapping, channel attenuation, phase shifting, muting, test tone insertion etc. Detection and alarm routines such as silence & audio level are also possible. Each input can be switched to either or both output banks or can be configured to crash switching upon loss of either AES input. The AESA-3100 & AESA-3110 support control over audio processing functions via the front panel or web server interface.

## Specifications

### Electrical Inputs (AESA-3000 & AESA-3100)

Number of Inputs	2
Data Rate	8-96Kbps
Standard	AES3
Signal Amplitude	0.2 to 7 Vp-p
Re-sampling	optional 48KHZ (free running or locked to input 2)
Equalization	>200m (high quality 110 ohm balanced shielded cable)
Impedance	Balance 100 ohm
Connectors	Three pin Phoenix

### Electrical Inputs (AESA-3010 & AESA-3110)

Number of Inputs	2
Data Rate	8-96Kbps
Standard	AES3
Signal Amplitude	200mV minimum
Re-sampling	optional 48KHZ (free running or locked to input 2)
Equalization	>500m 75 ohm (Belden 8281)
Impedance	Unbalanced, 75ohm
Connectors	BNC

### AES Electrical Outputs

Number of Outputs	8 (two independent banks of 4 outputs)
Signal level	4 Vp-p +/- 1 Vp-p
Impedance	110 ohm balanced
Connectors	Three pin Phoenix

### Headphone Monitor Output

Number of Outputs	1 front panel monitor
THD+N	Typically 0.1% @ 1KHz
Signal level	120mW maximum into 32ohms
Impedance	low
Connectors	3.5mm stereo socket

### Alarm & Control Interface

Graphical front panel display  
Embedded Web server with 10/100 UTP Ethernet  
RJ45 UTP on rear assembly  
Major & minor alarm relay contacts (rear assembly)

### Compatibility

Compatible with all SBC modules supporting digital audio interfaces  
Compatible with SBC 3RU, 84HP Eurocard frame  
Compatibility with third party frames upon request.

### Compliances

CE; UL; C-Tick  
RoHS Compliant Directive 2002/95/EC

### Ordering Information

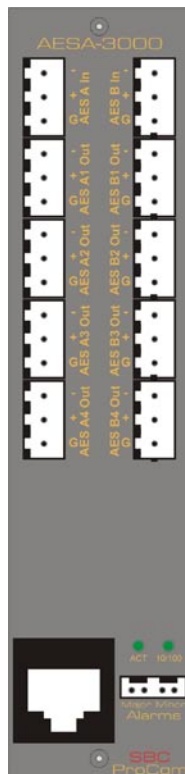
- AESA-3000 (balanced inputs)
- AESA-3010 (unbalanced inputs)
- OLED Front Panel & web server
  - AESA-3100 (balanced inputs)
  - AESA-3110 (unbalanced inputs)

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Standard Front Control Panel



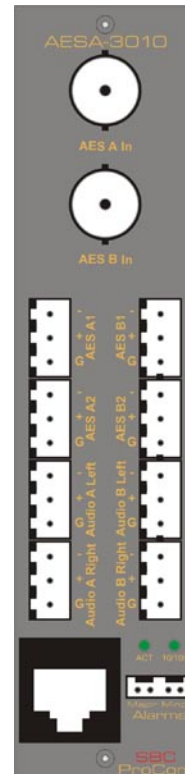
Front



Rear



Front

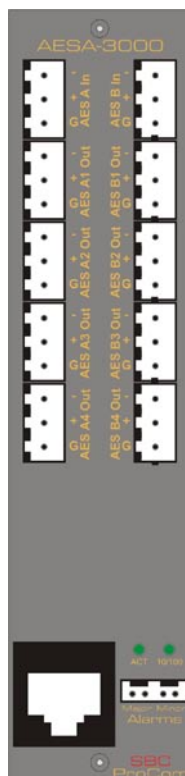


Rear

LCD Front Control Panel



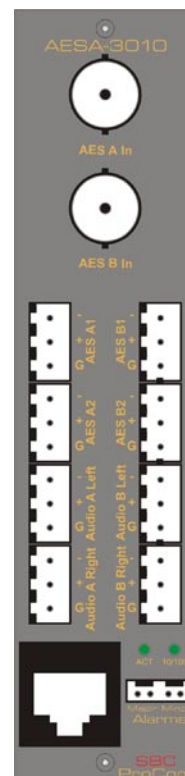
Front



Common Rear



Front



Common Rear