



### Features

- Balanced AES3 input on 9 way D-type socket or unbalanced AES-3id input on BNC
- Balanced and unbalanced analogue outputs on 9 way D-type socket
- 24-bit DAC resolution
- Output level continuously adjustable to cover all commonly used levels
- Transformer coupled balanced input for good common mode performance
- Operates at all sample rates from 32 to 96 kHz
- Automatic de-emphasis filtering
- Compact and rugged design
- Locking connector for PSU

### Description

The 4610 unit accepts balanced or unbalanced AES/EBU digital audio and converts it to balanced stereo analogue audio using a high quality 24-bit DAC. Analogue output gain can be adjusted to match all commonly used output levels.

It is housed in an extremely compact and rugged aluminium case ideally suited to both studio and portable applications.

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### Specifications

#### Balanced input

Type	Transformer coupled
Standards	AES3-2003
Connector	9 way D type socket
Signal level	2-7V p-p
Impedance	110Ω
Max cable length	>250m (at Fs=48kHz)
Sampling frequency (Fs)	32 - 96kHz
Return loss	>32dB (0.1 to 6MHz)

#### Unbalanced input

Standards	AES3-id (SMPTE 276M)
Connector	BNC
Signal level	1V p-p ±20%
Impedance	75Ω
Max cable length	>1000m (at Fs=48kHz)
Sampling frequency (Fs)	32-96kHz
Return loss	>32dB (0.1 to 6MHz)

#### Analogue outputs

Standards	One balanced & one unbalanced stereo audio pair
Impedance	50Ω balanced & 110Ω unbalanced
Connector	9 way D type socket
Signal level	Adjustable -6 to +27dBu balanced Adjustable -14 to +20dBu unbalanced
Quantisation	Up to 24 bit
Frequency response	20Hz to 20kHz ± 0.05dB (24dBu, Fs=48kHz)

#### Power

Voltage	6-12 V DC
Current	250mA at 6V
Power connector	Locking 2.5mm jack connector (centre +ve)

#### Other

LED	Power & signal presence
Temperature range	0°C to 40°C
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	150g

### Ordering information

4610	AES-EBU to analogue stereo audio DAC	4006	Desktop power supply with IEC320 C14 inlet
4010	1U rack mounting frame for up to 5 units including PSU		

We reserve the right to change technical specifications without prior notice. E&OE.

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