



### Description

The 4640 Analogue stereo audio to AES-EBU ADC converts two balanced analogue audio inputs to balanced and unbalanced AES-EBU audio.

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

### Features

- Balanced analogue stereo audio input
- Balanced AES3 110Ω and unbalanced AES3-id 75Ω outputs
- 24-bit ADC
- Locks to any AES reference from 32-96KHz or free runs at 48KHz
- Input gain controls to cover all commonly used levels
- Balanced inputs and outputs on a 9 way D type
- Unbalanced output and AES reference input on BNCs
- Compact and rugged design
- Locking connector for PSU

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### Specifications

#### Audio input

Type	Balanced stereo analogue audio
Connector	9 way D type socket
Input impedance	>20kΩ
CMRR	>70dB (20Hz to 20KHz)
Input level range	+12 to +24dBu

#### AES reference

Standard	75Ω AES3-id (SMPTE 276M)
Sample rate	32kHz to 96kHz
Connector	BNC
Return loss	>36dB (0.1 to 6MHz)
Level	1V p-p ±20%

#### Balanced output

Number	One transformer coupled
Standard	110Ω AES3
Connector	9 way D type socket
Return loss	>32dB (0.1 to 6MHz)
Signal level	2-7V p-p

#### Unbalanced output

Number	One
Standard	75Ω AES3-id (SMPTE 276M)
Connector	BNC
Return loss	>32dB (0.1 to 6MHz)
Level	1V p-p ±10%
<b>Power</b>	
Voltage	6-12V DC
Current	250mA
Power Connector	Locking 2.5mm jack connector (centre +ve)
<b>Other</b>	
LED	Green locked to external reference, orange internal reference or red for error
Temperature range	0°C to 40°C
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	150g

### Ordering information

4640	Analogue stereo audio to AES-EBU ADC	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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