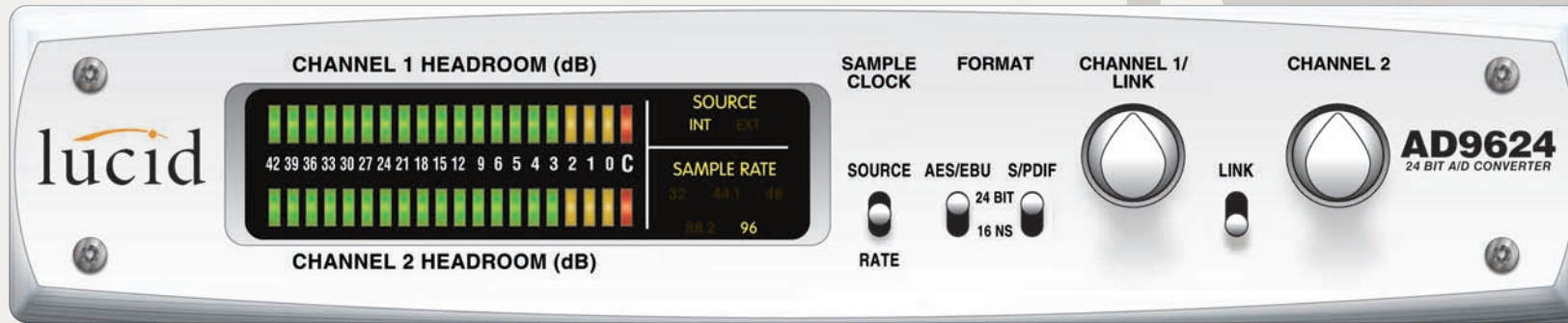


lucid™

AD9624 24-BIT STEREO A/D CONVERTER



[Pictured actual size]

AD9624: Stereo 24-bit precision A/D conversion at sample rates up to 96 kHz.

"The best part about this converter pair (AD9624 and DA9624) is how they sound. The conversion is first rate, with attention to detail not only in the digital domain, but also in the analog circuitry."

— George Petersen, *Mix Magazine*

World-class A/D conversion for recording, mastering, and post-production.

This converter bridges the gap between analog and digital domains with transparent audio conversion. True 24-bit resolution is the best way to record and process all the detail the human ear can hear. The AD9624 supports sample rates of 96 kHz, 88.2k Hz, 48 kHz, 44.1 kHz, and 32 kHz. An easy-to-read 20-segment LED ladder on shows you exactly where to set I/O controls for optimal A/D conversion. A user-selectable

noise shaping function enhances the clarity of low-level material for superior imaging and realism when creating 16-bit masters.

Multiple connections for flexible operation.

The AD9624 accepts analog input via XLR connectors and outputs its digital bit stream simultaneously through professional AES/EBU and consumer S/PDIF (coaxial and optical TOSLINK) connectors.

A perfect pair.

Rack the AD9624 next to the DA9624 D/A Converter using a Lucid RM-4 rack mount tray, or use either unit on its own on its own to meet your specific interface requirements.

AD9624 Features

- Half rack space, two (2) channel, analog to digital multi-format converter. Applications: Studio, Broadcast, Podcasting, Post-Production.
- Stereo 24-bit precision A/D conversion at sample rates up to 96 kHz.
- Simultaneous AES/EBU (XLR) and S/PDIF (coaxial and TOSLINK) digital outputs.
- Word clock sync from 32 to 96 kHz.
- Stereo or dual mono input level with 20-segment LED meters.

Engineered by Symetrix™

6408 216th St. SW | Mountlake Terrace, WA 98043 | USA | Tel: +1 (425) 778.7728 | Fax: +1 (425) 778.7727 | Web: www.SymetrixAudio.com

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[Pictured actual size]

Specifications

Performance Data

Frequency response:

For sample rates of 88.2 kHz and 96 kHz:
20 Hz to 40 kHz (± 1 dB)

For sample rates of 44.1 kHz and 48 kHz:
20 Hz to 20 kHz (± 1 dB)

For 32 kHz sample rate:
20 Hz to 15 kHz (± 1 dB)

Internally generated sample rates: 32, 44.1, 48, 88.2 and 96 kHz and external sync via word clock

Dynamic range: >115 dB, A-weighted

Analog input impedance: 20k Ω balanced, 10k Ω unbalanced

Maximum analog input level: +25 dBu balanced

Attenuation range: 30 to 0 dB

Connectors

Analog inputs: Balanced XLR

Digital outputs: AES3 (XLR), S/PDIF (coaxial), and TOS-LINK (optical)

Word Clock input: BNC

Power In: 7-pin DIN

Physical

Size: (HxWxD) 1/2 rack unit,

1.72 in. x 8.5 in. x 8 in. (4.37 cm x 21.59 cm x 20.32 cm)

Shipping Weight: 6.7 lbs. / 3.04 kg

Electrical

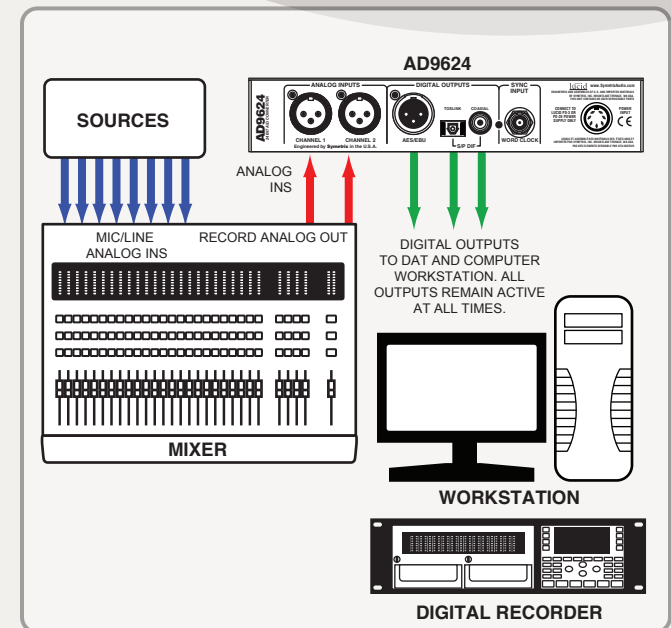
Power Requirements:

115 VAC nominal, 95 to 130 VAC, 50 to 60 Hz, 10 Watts

230 VAC nominal, 207 to 253 VAC, 50 Hz, 10 Watts

Environment

Maximum operating ambient temperature: 30° C.



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