



The 88192 A/D D/A Converter

It's all about the sound. Digital recording technology has completely changed the way audio engineers record and produce music. Quality standards for digital audio recordings are increasing every day, and these new standards require new tools. Lucid has been providing these tools for many years. We understand the phrase, excellence in digital audio.

You want to sound better, right? Even the most sophisticated digital editor can only do so much with poor quality raw materials. Lucid converters are designed to faithfully convert analog signals to digital information, and vice versa, with the highest fidelity and as much accuracy as possible.

Introducing the Lucid 88192, a multi-format audio converter.

Designed for rigors and complexities of today's hi-definition digital recording systems, the Lucid 88192

guarantees excellence in audio conversion and management for recording, post-production, and broadcast environments.

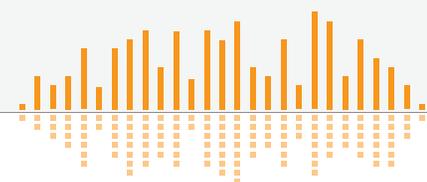
This new multi-format audio converter provides 8 channels of AES/EBU and 8 channels of SMUX2 ADAT digital audio to and from the host at sample rates up to 192 kHz.

Extremely low distortion and jitter, coupled with wide frequency response translates into clean, quiet, accurate, and stunning recordings. Adjustable gain and clip limiting on the analog input stage allows the user to optimize levels under a variety of circumstances. The simple user interface is designed for quick, efficient operation of all functions.

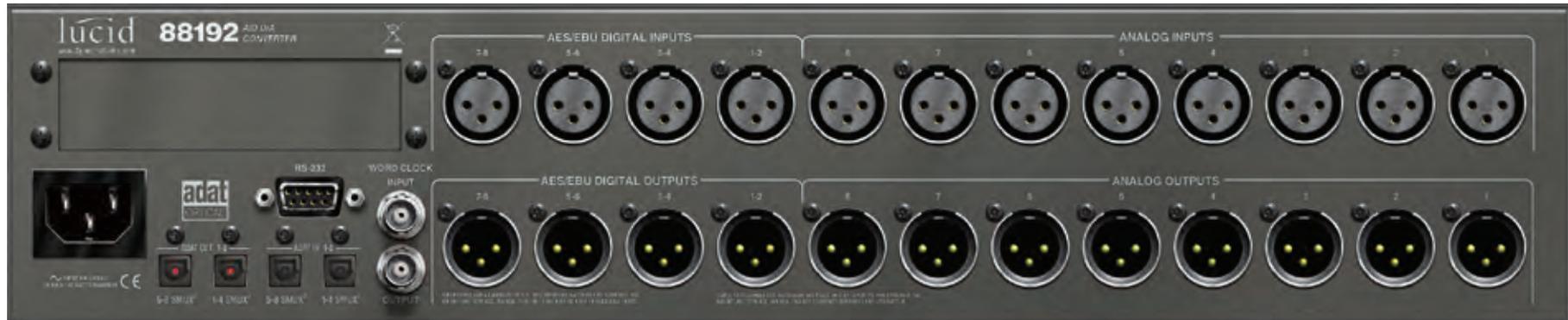
The Lucid 88192 guarantees excellence in audio conversion and management for recording, post-production, and broadcast environments.

Features

- Double rack space, eight (8) channel, analog to digital / digital to analog, multi-format converter. Applications: Studio, Broadcast, Post-Production.
- Sample rates up to 192 kHz at 24-bit audio conversion.
- Eight (8) channels of AES/EBU and eight (8) channels of SMUX2 ADAT digital audio.
- Straightforward setup and operation via front panel encoder and display.
- Real-time metering and XLR analog and AES connectors. (No D-sub breakout snakes required.)



DATA SHEET: 88192 AD/DA DA/AD Converter



Specifications

ANALOG-TO-DIGITAL PERFORMANCE

Conversion: 24-bit delta/sigma technology
Sampling Frequency: 30-200 kHz, depending on clock source
Analog input impedance: 20k Ω balanced
Maximum analog input level: +24 dBu balanced
Dynamic range: >115 dB, A-weighted
THD+Noise: < -105 dBA @ 1 kHz, -1 dBFS

DIGITAL-TO-ANALOG PERFORMANCE

Conversion: 24-bit delta/sigma technology
Sampling Frequency: 30-200 kHz, depending on clock source
Analog output impedance: 204 Ω balanced, 102 Ω unbalanced
Maximum analog output level: +24 dBu balanced
Dynamic range: >115 dB, A-weighted
THD+Noise: < -95 dBA @ 1 kHz, -1 dBFS

SYSTEM PERFORMANCE

Dynamic range (D/D): > 144 dB (SRC off)
Signal-to-noise ratio: >115 dBFS, A-weighted
Frequency response: 10 Hz to 40 kHz (\pm 0.5 dB)
@ sampling rates > 88 kHz

CONNECTORS

Analog input and output connectors: 8x balanced XLR
AES-3 input and output connectors: 4x XLR
Word clock I/O connectors: BNC
ADAT connectors: 4x ADAT-optical

PHYSICAL

Size: (HxWxD) 2 rack unit,
3.47 in. x 19 in. x 11.5 in. / 8.81 cm x 48.26 cm x 29.21 cm,
depth does not include connector allowance
Shipping Weight: 17 lbs / 7.7 kg

ELECTRICAL

100-240 VAC, 50-60 Hz, 45 Watts maximum

ENVIRONMENT

Maximum operating ambient temperature: 30° C.

88192 Basic Setup

