

# D2A DIGITAL CONVERTER™

## 24-BIT/192 KHZ REFERENCE INTERFACE + MONITOR

### Product Description

The AES D2A Digital Converter is a 24-bit high resolution digital-to-analog audio interface. It converts an AES-3 digital audio stream at up to 192 kHz to professional stereo analog outputs. The unit also includes a Headphone amplifier for critical monitoring with headphones.

The D2A Digital Converter is designed for professional applications, e.g., broadcast stations, recording studios, performance venues. The AES digital input is transformer isolated to prevent ground loops, hum, and noise. The D2A auto-locks to standard sample rates from 32 to 192 kHz and features exceptionally low-jitter clock recovery. It utilizes a fourth-order multibit delta-sigma modulator with ultra-linear L/C low-pass output filtering. This edge-of-the-art circuitry yields audiophile-grade performance with direct-coupled balanced outputs for professional connectivity. The XLR outputs are calibrated so that -20 dBfs produces an analog output level of +4 dBu with over 22db of headroom. Front panel trimmers are provided for accurate calibration of output levels. A Lock LED confirms a valid AES input signal.

The D2A Digital Converter also features a high performance Headphone Amplifier with volume control and 1/4" stereo headphone jack. The Headphone output is buffered from the main Line outputs, and utilizes circuitry identical to the Line outputs to ensure accurate monitoring.

The D2A Digital Converter is powered with an internal power supply. This linear bi-polar supply uses a toroid transformer and is triple-regulated to ensure an ultra-low noise floor. The 40-volt rails enable operation at true professional levels with liberal headroom and freedom from clipping distortion. The unit's sonic performance is exceptional: musical and transparent, with dynamic range approaching theoretical limits.

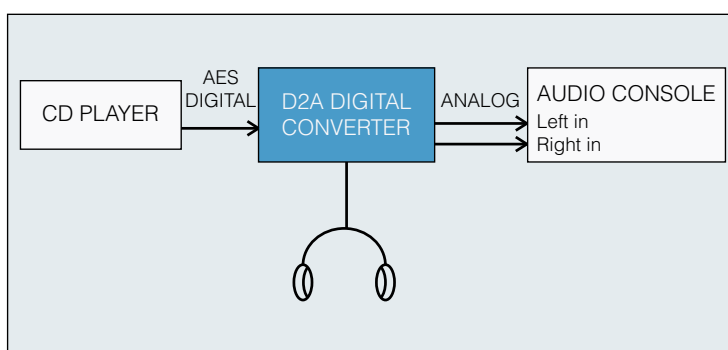
The D2A Digital Converter is 1/3 rack wide, and can be mounted using the optional Rack Shelf. It can also be mounted with Henry Engineering's Desk Mount Kit or the wall/cabinet mounting brackets.



### Technical Specifications

<b>AES3 Input</b>	110 ohms, XLR transformer bal.
<b>Line Outputs</b>	Left, Right, XLR active balanced
<b>Output Load</b>	>600 ohms per channel
<b>Reference Level</b>	+4 dBu = -20 dBfs ("0-VU")
<b>Output Range</b>	-20 dBfs = -10 dBu to +10 dBu
<b>Max. Output</b>	+27 dBu into 600 ohm load
<b>Sample Rate</b>	32 kHz – 192 kHz
<b>Bit Depth</b>	Up to 24 bits
<b>THD+Noise</b>	-90 dB ref. 0 dBfs typ.
<b>Headphone Output</b>	>25 ohms, stereo, 1/4" TRS
<b>Power Input</b>	115 or 230 VAC, 50-60 Hz, 3W
<b>Physical Size</b>	5.7" w x 1.7" h x 6.0" d, 3 lbs
<b>Construction</b>	Steel enclosure
<b>Approvals</b>	City of Los Angeles ETL/CE/ROHS

### Typical Application



No Wall-Warts!



Rack Mountable

Specifications subject to change without notice.

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Henry Engineering  
PO Box 3796  
Seal Beach, CA 90740  
Tel: 562-493-3589  
[www.henryeng.com](http://www.henryeng.com)

