

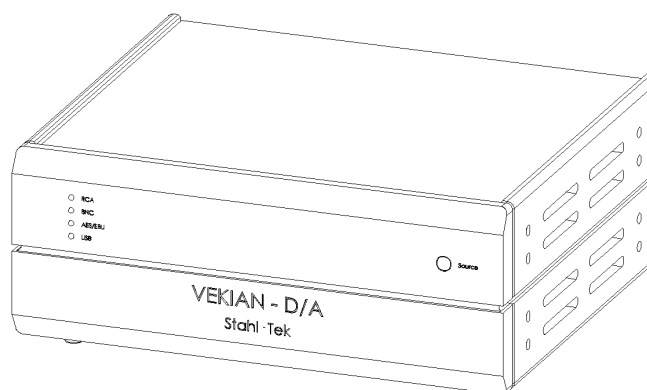
STAHL~TEK

VEKIAN - D/A



STAHL~TEK VEKIAN – D/A

SPECIFICATIONS



INTRODUCTION AND FEATURES

Stahl~Tek is proud to introduce the Vekian - D/A! After years of critical listening and R&D, we have designed a truly hi-end and exquisitely crafted D/A! The Vekian - D/A is constructed of materials that provide excellent structural integrity, superb mechanical dampening, and isolates the internal circuitry from outside electrical interferences. The Vekian - D/A's design is not Spartan, it gives a stunningly sophisticated, elegantly sleek, and refreshingly clean presentation. Beauty is not just skin deep with this D/A: it is sonically breath-taking!

SONIC CHARACTERISTICS:

The Vekian - DA uses optimized digital / analog electronic circuitry to achieve high resolution performance and accuracy. As a result, the Vekian - D/A is extremely detailed, but reminiscent of analog vinyl reproduction. It truly brings out the best of the digital source material!

FEATURES:

- Individual/Fully Isolated Digital Inputs Circuitry Stage.
- Ultra-low jitter performance is achieved with the combination of the low-jitter input receiver circuit and a custom mechanically-damped/shielded Sample-Rate-Converter Module that is governed by a low noise precision master clock circuit.
- Supports 24-Bit resolution with Input Sampling Rates from 32kHz to 192kHz, which is automatically Up-sampled to 192kHz.
- Dual, Multi-channel, 24-bit Multi-bit segment/delta-sigma hybrid DACs configured for Symmetrically Balanced Two Channel Audio outputs.
- Four custom analog filter stages with no non-linear components in the signal path, designed to optimize phase linearity thought-out the entire audio spectrum, which is crucial to minimizing audible distortions and sonic degradation to spatial depth and imaging.

- Four Discrete Hybrid Bipolar/Mosfet High-Power Class A Output Stage Amplifiers optimized for two-channel balanced mode operations capable of driving low impedance loads.
- Oversized Transformers, Multiple Large Filtering Capacitors, and Multi-Staged Regulated Power Supplies for each Digital/Analog Sub-Circuits.

INPUTS:

The Vekian - D/A offers SPDIF (RCA and BNC) and AES/EBU (XLR) digital inputs. The unit also has a high-end USB computer interface to allow user to hook into their Hard-Drive Based and On-Line Music Libraries (compatible with most Windows/MAC PCs).

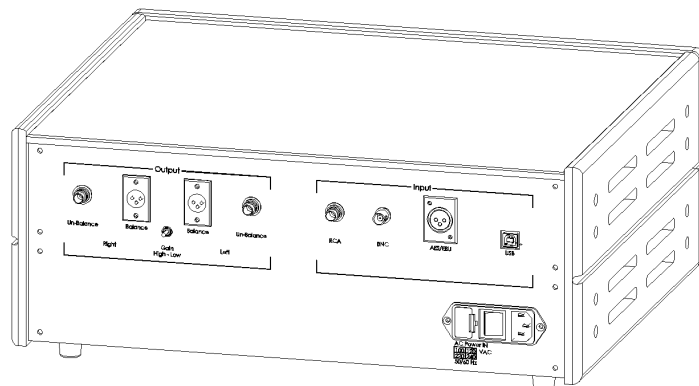
OUTPUTS:

The Vekian - D/A offers both single-ended and true balanced outputs. When utilizing the single-ended outputs, the unit has a manual gain adjustment to compensate for the 6 dB difference between true balanced and single-ended.

STAHL~TEK VEKIAN – D/A

TECHNICAL SPECIFICATIONS

| | | |
|------------------------------------|------------------------|--|
| Digital Inputs: | SPDIF | 75Ω ± 1% on RCA |
| | BNC | 75Ω ± 1% on BNC |
| | AES/EBU | 110Ω ± 1% on XLR |
| | USB | |
| Sampling Input Frequencies: | 32KHz – 192 KHz | |
| Quantization: | 24 Bit Resolution | |
| Analog Outputs: | Frequency Response: | 0Hz – 100Hz ± 0.02dB |
| | Signal to Noise Ratio: | >127dB |
| | Dynamic Range: | >127dB |
| | THD: | <0.005% |
| | Output Level: | True Balance XLR Outputs: 3.25Vrms or + 12.45dBu at 0 dBFS (Low gain setting) 6.5Vrms or + 18.47dBu at 0 dBFS (High gain setting) Single-Ended (Un-balanced) RCA Outputs: 1.63Vrms or + 6.43dBu at 0 dBFS (Low gain setting) 3.25Vrms or + 12.45dBu at 0 dBFS (High gain setting) |
| | Output Impedance: | 43Ω |
| | Other: | Size: |
| | Weight: | 48 LBS |
| | AC Supply Voltage: | 100/120/240V |
| | Fuse: | 100/120V: Two 2-Amp Slow Blow 5x20mm style fuses 240V: 1.2-Amp Slow Blow 5x20mm style fuses |



STAHL~TEK

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