

# Nēo

# 430HA

## Headphone Amplifier

Optional DSD256 / 32-bit DAC



The **Nēo 430HA** is a genuine “tour de force” loaded with numerous state-of-the-art features. This fully balanced, pure analog headphone amplifier using a discrete transconductance circuit topology, selectable gain setting (14 or 20dB), an oversized power supply and a defeatable analog cross-feed circuit. Rated at 667mW at 600 ohms and 8W at 50 ohms, the **Nēo 430HA** will effortlessly drive any headphone to its full potential.

For headphone enthusiasts who desire perfection, the **Nēo 430HA** is the ultimate solution. Borrowing several technologies developed for our more exotic and costlier Evolution series (M-LoVo, M-eVOL2) while incorporating the most advanced analog audio circuitry, the **430HA** will achieve the very best possible sonic performance from your headphones. The optional DSD256 and 32-bit PCM capable DAC can be used with virtually any digital source such a computer for streaming music, satellite TV receiver or Blu-Ray player, offering the same fidelity as your music system.

The **Nēo 430HA** is the new reference for headphone amplification and is destined to create a whole new set of standards for performance.

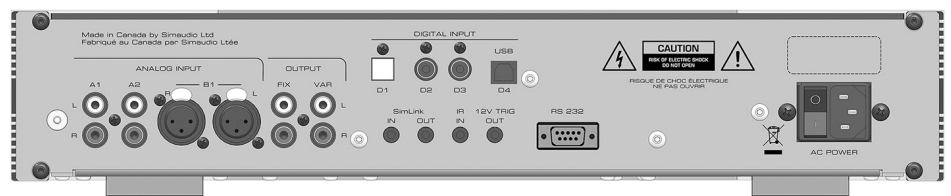
Of course, key features you'd expect in a **MOON Nēo Series** product are present such as 12V triggers and an RS-232 port for custom-install environments.

### Significant Design Features:

- ▲ Inputs include 1 balanced on XLR's, 2 single-ended on RCA's and 1 single-ended on 1/8" jack located on the front panel.
- ▲ Outputs include a pair of 3-pin XLR and one 4-Pin XLR located on the front panel behind a sliding window, a 1/4" TRS jack, as well as both fixed and variable single-ended line-level RCA stereo pairs.
- ▲ 4 stages of our own **M-LoVo** (MOON Low Voltage) DC regulation circuit to significantly lower the noise floor.
- ▲ **M-eVOL2** volume control with 530 steps and channel matching of 0.1dB.
- ▲ Optional fully asynchronous DAC with 4 digital inputs (S/PDIF x 2, TosLink x 1 & USB x 1) allowing for use with virtually any digital source; Supports DSD64, DSD128 and DSD256 (USB input only); Supports PCM up to 24/192kHz (all inputs) and 32/384kHz (USB input only).

### Specifications:

Output power/ch. at 600/300/50Ω .....	667mW/1.33W/8W
Headphone Impedance .....	20 - 600Ω
Frequency response (audible) .....	20Hz - 20kHz ±0.1dB
Frequency response (full range) .....	2Hz - 90kHz +0/-3dB
THD @ 1kHz, 0dBFS (A-weighted).....	< 0.005%
Intermodulation distortion .....	< 0.005%
Signal-to-noise Ratio .....	120dB
Crosstalk .....	110dB
Input/Output Impedance .....	22KΩ / 1.25Ω
Shipping weight.....	20 lbs / 9 Kgs
Dimensions (width x height x depth) .....	16.9 x 3.5 x 13.8 in. 42.9 x 8.9 x 35.1 cm.

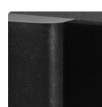



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### Available Finishes



Black



Silver



2-Tone

