

Nēo

430HA

Headphone Amplifier

with 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 includes an output stage using a discrete transconductance circuit topology, selectable gain setting (14 or 20dB), an oversized power supply and a defeat-able analog crossfeed 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 as 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, features you would expect in a MOON Nēo Series product are present such as SimLink™, 12 volt triggers, RS-232 and IR ports 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 line-level single-ended RCA stereo pairs
- 4 stages of our M-LoVo (MOON Low Voltage) DC regulation circuit
- M-eVOL2 volume control with 530 steps and channel matching of 0.1dB (used in 600i & 700i Integrated Amps and 740P Preamplifier)
- *Optional* fully asynchronous DAC supports DSD up to DSD256 (USB only) and PCM from 44.1kHz to 384kHz (32-bit on USB only)
- *Optional* DAC with 4 digital inputs (S/PDIF x 2, TosLink x 1, USB x 1).

Specifications:

Output power/channel at 600 / 300 / 50 Ω	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 / 0.22Ω
Shipping weight	20 lbs / 9 Kgs
Dimensions (width x height x depth)	16.9 x 3.5 x 13.8 in. 42.9 x 8.6 x 35.1 cm.



MOON

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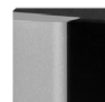
Available Finishes



Black
(standard)



Silver
(optional)



2-Tone
(optional)

