

230HAD

Headphone Amplifier



M O O N
by SIMAUDIO



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Are you passionate about music and desire a unique personal listening experience, yet don't have the budget to build a "full-blown" music system? Are you searching for the perfect desktop solution for a computer-based audio system? The MOON 230HAD combines a high-performance headphone amplifier, together with a 32-bit/384kHz & DSD-capable DAC. Borrowing heavily from the world class 430HA, the 230HA gives you most of the State-of-the-Art performance of its bigger sibling, at a fraction of the cost.

- Inputs include 1 single-ended on rear-mounted RCA's and 1 single-ended on 1/8" jack located on the front panel.
- Outputs include a 1/4" TRS headphone jack, as well as both fixed and variable single-ended line-level RCA stereo pairs.
- Fully asynchronous DAC with four (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-bit/192kHz (all inputs) and 32-bit/384kHz (USB input only).
- Pure analog amplifier using a transconductance circuit.
- An oversized power supply using 1 toroidal transformer in conjunction with 8 stages of DC voltage regulation.

Specifications

Headphone Impedance	20 - 600Ω	THD (20Hz - 20kHz)	0.005%
Input/Output impedance	22kΩ/1.25Ω	Intermodulation distortion	0.005%
Crosstalk	-80dB	Signal-to-noise Ratio	115dB @ full output
Output power per channel @ 600/300/50Ω	100mW/200mW/1W	Frequency Response (audible)	20Hz - 20kHz ±0.1dB
Shipping weight	6.2lb/2.8kg	Frequency response (full range)	5Hz - 100kHz +0/-3dB
Dimensions (width x height x depth)	7.0 x 3.0 x 11.0 in 17.8 x 7.6 x 28.0 cm		

Available Finish Black

DSD DXD

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