

NAGRA HD DAC

High end digital/analog converter



Natural, transparency, high definition

Discover true three-dimensional sound!



To convert a digital signal to analog with total integrity, without introducing the slightest impurity and without losing any of the original sound: That is, ideally, what a D/A converter must accomplish. With the HD DAC, Nagra has achieved this objective with perfection. Sound has never reached such a true level of definition.

The effort put into the design and exactitude of the Nagra HD DAC was exceptional from every perspective. The digital sector uses technology developed for professional music studios. Its circuits, that adopt the DSD 2X (Direct Stream Digital 128), were developed in association with Andreas Koch, the pioneering engineer of the DSD format. They run at the highest resolution available today, 128 times that of a standard CD and twice that of SACD.

The analog section is also the object of a superlative approach. Thanks to the quality of the signals supplied by the digital circuits, the traditional steep slope filters have been eliminated. The consequence of this is the preservation of transients and harmonics, thus the music presents an exceptionally natural sound. The Nagra engineers blessed this section with all the refinements: Ultra high performance drivers, hand-wound transformers, and a tube driven output stage.



In total, 25 precision ultra-low-noise internal power supplies drive the unit.

The converter is equipped with extensive connection possibilities, allowing integration in all types of domestic and professional systems. It ideally suits a computer environment: thanks to its audio USB input, it receives signals up to DSD 128 format from a PC or MAC.

The Nagra HD DAC converter uses TWO external power supplies, one for the digital and the other for the analog sections. It can be equipped with the Nagra MPS multiple supply unit allowing it to reach its ultimate performance. The Nagra VFS anti-vibration plates are also optionally available.

Some specifications:

Digital inputs: 2 x S/DIF, 2 AES/EBU, 1 Optical, 1 Audio USB (mode 2), 1 x I²S (Nagra format).
Internal processing: 5,6 MHz, 72 bits.
Analog outputs: 1 stereo on RCA connectors, 1 stereo XLR (Symmetrical on transformers available as an option).
Compatible digital formats: PCM 24 bits up to 384 kHz, DXD, DSD x 2.
Bandwidth: 5Hz to 40 kHz (+0 – 3dB).
Noise level: -128 dBr (linear).
Distortion: < 0.02% (at -20dBFS).
Dimensions: 310 x 350 x 76mm (12.2 x 13,7 x 3 inches).