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PRODUCT INFORMATION

DAC-700

Digital-/Analog Converter

With the DAC-700 we present you a completely new developed D/A converter. Compared to its predecessor, the DAC-7, the digital section has been completely „roundly renewed".
On the input side, an improved receiver board incl. chip from Cirrus Logic is used. The USB interface has also been modified and supports DSD512 now. In total, two optical, two coaxial, one USB and one AES input are available. In combination with the new software driver, the signals can be processed faster.

The heart of the DAC-700 is the decoder board including the new D/A chip. Here we rely on the ES9038Q2M. The high-performance 32-bit converter is the reference model of the manufacturer ESS and provides a DNR (digital noise reduction) up to 128 dB.

In the analog section the signal is processed fully balanced. An independent filter and buffer circuit is used in each signal path.

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The music signal can be output either via a tube output stage or via a FET output stage. Switching is done by pressing a button on the front panel.

For a stable power supply we rely on a toroidal transformer. This has a double winding and supplies the analog and the digital range completely separately.

Front

Connections

TECHNICAL SPECIFICATIONS

Sampling Rate Coaxial, Optical, AES:	24 bit / 192 kHz (DSD:64)
Sampling Rate USB:	32 bit / 384 kHz (DSD:512)
Frequency Response:	20 Hz – 20 kHz (±0,5 dB), 20 Hz – 50 kHz (±2 dB)
T.H.D.:	<0.004 %
Signal-to-Noise Ratio:	>95 dB
Dynamic Range:	>100 dB
Audio Output Voltage:	2.5 V
Channel Separation:	>90 dB
Max. Power Consumption:	35 W
Inputs:	2 x Coax, 2 x Optisch, 1 x USB, 1 x AES, 1 x 1.5 mm Jack (Power Control)
Outputs:	2 x Stereo XLR, 2 x Stereo RCA, 1 x 1.5 mm Jack (Power Control)
Tubes:	1 x 6Z4, 2 x 12AU7
Playable Digital Formats:	MP3, WMA, AAC, AAC+, ALAC, FLAC, APE, WAC, DSD
Colour:	Black / Silver
Dimensions:	430 x 95 x 360 mm
Weight:	6.5 kg

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For further information, please contact Mr. Christian Fröhling.
Sintron Distribution GmbH, Südring 14, 76473 Iffezheim, Telephone:: 0 72 29 -18 29 50
e-mail: info@sintron.de, www.vincent-highend.de