

DAC 140

DIGITAL-TO-ANALOG CONVERTER WITH TUBES

DATA SHEET



The DAC 140 combines a digital section (32 bits in 768 kHz) with an analog tube output. This output stage uses the Square Tube® operational amplifier. Equipped with 4 triodes per channel, this innovative circuit gives the analog signal all its qualities.

With 9 inputs, your DAC can adapt to a wide range of digital devices:

→ 4 coaxial inputs | → 2 XLR inputs | → 2 optical inputs | → 1 USB B input

Digital signal processing recovers all the information. AKM's chip upsamples the signal to 768 kHz. This allows the signal to be filtered at higher frequencies, removing the residue of the digital conversion from the audible band.

A circuit developed by Kora ensures that all digital clocks remain synchronized with the original signal. Digital to analog conversion is entrusted to a latest generation ROHM DAC.

The Square Tube® ensures smooth, precise musicality. Powered by high voltage, the output stage has no amplitude limits: signal dynamics remain natural.

With a pure-analog output filter, the respect of phases ensures exceptional spatialization. You're totally immersed in a three dimensional soundstage!

General characteristics

Overall dimension	118 × 420 × 355 mm	Materials	Aluminium and steel
Chassis size only	100 × 420 × 340 mm	Finish	Mineral grey
Unit weight	6 kg	Accessories	Power cord, instructions
Manufacturer's warranty	5 years	Construction & design	Toulouse, Occitania region, France

Electronic features

Power supply	IEC socket 100 to 240 VAC 50 Hz — 60 Hz	Consumption (Stand-by): < 0,5 W Consumption (Normal operation): < 40 W
High voltages	+240 V stabilised -240 V stabilised	
Tube heating	12 V DC	Regulated voltages referenced to ground
Sampling frequency	768 kHz	Up sampler AKM
Conversion	32 bits	Converter ROHM
Input	Digital	4 RCA sockets for coaxial cable 2 XLR 2 TOSLINK 1 USB B
Output	Analog	Prises RCA / Prises XLR
Bandwidth	20 Hz ~ 20 000 Hz	
Internal impedance	Output: < 50 Ω	

