

RD-100

Reference DA converter / Preamp



Reference Series | *HIGH END*

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The RD-100, a hybrid between DAC and analog preamplifier.

The best of both the analog and digital world. As more and more people are using digital at their primary sources, and analog as secondary sources, we decided to design a product which focus on such usage.

The RD-100 is based on modules in both analog and digital section. Not only does this give better shielding between the different functions, but also provides an easy way of upgrading moving forward.

At present the RD-100 does not support DSD, but a new USB module will be introduced in 4Q2017 which will support up to 2xDSD as with the RCD-101 and SCD-025. At present there is not plans for supporting MQA, which yet has to prove it will become a real standard, that adds a real performance upgrade, as claimed. However we are watching how the format matures, and will re-evaluate over time.

In 1Q17 a new USB module was implemented which has full competability with win10 and latest versions of MAC OS.

The analog stage of the RD-100 is based on the ULN modules designed for the SL-102, and provides a similar sound as the SL-102 provided.

The volume control is taken from the multiaward winning RI-100 and gives regulation between -69dB and +6dB.

When an analog input is chosen, the digital modules are shut down to avoid any digital noise to interfere with the analog signals.

1. ULN Discrete gainstage

Ultra Linear No global feedback fully balanced discrete gainstage, based on the original modul design from 2010.



INPUT	USB	S/PDIF	Toslink
Available	1	2xRCA/2xXLR	1
Impedance	75Ω / 110Ω		

OUTPUT	XLR Analog	RCA Analog	S/PDIF
Available	1 (L+R)	1 (L+R)	RCA & XLR
Impedance	75Ω	75Ω	75Ω
Frequency response	+800KHz	+800KHz	
Signal to noise ratio	>110dB	>110dB	>110dB
THD + noise	> 0,01%	> 0,01%	> 0,01%

DAC	
Master Clock	24.576 MHz
Frequency Tolerance	+/- 5 ppm

Digital/Analog Audio Input	
AES/SPDIF	2x XLR/RCS (4 in total)
Optical/USB	1x Toslink / 1x USB
Analog	1x pair XLR & RCA

Analog Audio Output	
Balanced	1x pair XLR (L+R)
Non-balanced	1x pair RCA (L+R)

POWER CONSUMPTION	
Standby	<1W
Operation	22W

DIMENSIONS	
Height	100 mm
Width	435 mm
Depth	377 mm
Weight	12 Kg

