

PRODUCT INFORMATION SHEET

RED Standard CD Player

Product Description

The RED Standard CD player combines conventional CD playback with the addition of QBD 76 conversion technology to give optimum performance at 44.1KHz sample frequencies. It is able to reproduce considerable clarity with the transient timings accurately reproduced via the 76 bit DSP core and 4096 tap digital WTA filter.



Based on the same trademark concept as our other products the RED Standard uses the same solid aluminium support structure for the CD mechanism. No compromise has been made on the front panel design and the RED Standard features the same ball bearing push button control and dual display system as the RED Reference. CD status is shown on one display and input, buffer and frequency information on the other. The unique 45 degree mechanism placement remains to allow front access even if placed on a stand or in a rack. Access to the CD is at the touch of a button operating a solenoid controlled fluid damped door. Rear connections are made via gold plated phono, plastic optical fibre or balanced XLR style connections.

Using the CD Pro 2 mechanism from Philips the standard sample rate digital output is taken via shielded cabling to the digital to analogue conversion electronics. Here using QBD76 technology the digital signal is converted from 44.1KHz to analogue audio using 4096 tap filtering and 76 bit digital signal processing core. The 76 bit 7th order noise shaping, 2048 times oversampling and improved pulse width modulated elements give better measured performance, more detailed resolution and a smoother more focused sound quality. RAM buffer technology can be used to give jitter free operation by sequentially taking in all the data, re-timing, it and sending it out. The three settings minimum, maximum and off can be selected via the front panel and status is clearly shown on the display. Should you wish the RED Standard also features an AES Balanced and plastic optical fibre digital input to allow other source components to benefit from the QBD76 digital to analogue conversion. This can be especially useful where multiple digital sources are in a system as it removes the requirement for an additional external DAC. Again the inputs are easily selected from the front panel. Field Programmable Gate Arrays are used throughout allowing reprogramming simply by changing the EPROM memory chip, thus future proofing is assured.

The RED Standard is an innovative product. It combines state of the art digital to analogue conversion with the build quality and looks to match. Used as a standalone CD player or as a combined DAC and player, it is able to deliver benchmark CD reproduction and is only bettered by the fully featured RED Reference player.

Product Specification

HARMONIC DISTORTION	< -103 dB (1kHz, 24-Bit @ 44.1KHz Sample Frequency)
SIGNAL TO NOISE RATIO	> 120dB
CHANNEL SEPARATION	> 125dB @ 1KHz (> 100dB @ 22KHz)
DYNAMIC RANGE	122dB
SWITCHABLE DIGITAL INPUTS	1 x AES Balanced XLR Input 1 x Plastic Optical Fibre (TOSLink)
ANALOGUE OUTPUTS	2 X RCA Phono 2 X BALANCED XLR
SWITCHABLE RAM BUFFER (via front panel control)	Position 1 – No Buffering Position 2 – Minimum Buffering Position 3 – Maximum Buffering
SAMPLE FREQUENCIES	32KHz – 96KHz
OUTPUT MAX	6V rms. Balanced. 3V rms. unbalanced
OUTPUT IMPEDANCE	75 Ω (short circuit protected)
POWER SUPPLY	Universal Input High Frequency Supply operates from 65V to 265V AC
DIMENSIONS IN MM	420 x 140 x 325mm (Width x Height x Depth)
WEIGHT	13Kg



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