

Capitole CD Player Reference

NEW!



Take the redbook CD challenge...

Capitole CD Player 24/192 has been designed with the idea to equal the new digital formats performance.

First, we selected a high-end laser mechanism from Philips for its excellent playback performance, long lifetime, low play noise and long product life cycle. Supported by a specific aluminum subchassis, its excellent readability allows to recover more than 97% of CD's data.

Then, we included the state-of-the-art in digital processing : our exclusive STARS2 ® process (Solution for Time Abstraction Re Sampling), a combination of very high speed 192 kHz RE-sampling (a new jitter free clock is created), 24 bit re-quantization and signal enhancement techniques (extraction of "hidden" information from 16 bit data, improvement of dynamic, precision, soundstage and details), especially developed for Audio Aero by Anagram Technologies SA.

The core of the system is a 32 bit SHARC DSP which, by performing hundred millions of calculations per second, rebuilds a high precision 24/192kHz signal, independent from the input clock, and keeping total dynamic range in all stages.

Then, after a 1024 times up-sampling on demand, D/A conversion is performed at 6.144MHz by a high performance 24 bit / 192 kHz digital to analog converter.

A digital loop between the digital output and one of the digital inputs allows the use of a room correction device

The analogue stage features sub-miniature tubes and high precision buffer with built-in high quality volume control for a perfect match between high-tech digital treatment and musicality.

Specifications :

Frequency range (with 16/44.1 input signal) : 7 Hz - 20 kHz (- 1dB)

Frequency range (with 24/96 input signal) : 3 Hz - 48 kHz (- 1dB)

Output voltage : up to 5.0 V RMS

Output impedance : 100 ohms

Digital dynamic range : 140 dB

Signal to noise ratio : 125dB

Total harmonic distortion : < 0,2 %

Philips CDPRO2 mechanism for audio CD, CDR and CDRW

Exclusive STARS2 ® process for 24 bit / 192 kHz re-sampling

Supported wordwidth (digital input): 16, 18, 20 and 24 bit

Supported sampling frequencies (digital input) : 32, 44.1, 48, 88.2, 96 kHz

Burr-Brown PCM1792 24 bit / 192 kHz Digital to Analog converter

Wolfson high quality IC analog attenuator

Integrated analog balance control

6021W subminiature tube output stage and high quality buffer

Analog outputs : single-ended RCA and professional line driver XLR

Digital inputs : BNC, RCA, AES/EBU, AT&T and TOSLINK

Analog inputs : 2 single ended RCA and 1 balanced XLR

Digital output : BNC

Software upgrade by USB interface

Chassis : 15/10 steel

Lid : 20/10 brushed aluminum

Delivered with Black Diamond Racing Pyramid Cones

Weight : 15kg. / 32.6 lbs.

Dimensions (W x L x H) : 445 x 450 x 120 mm / 17.52 x 17.72 x 4.72 inches



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