

concept series

CDP 1 CD PLAYER AND CAI 1 INTEGRATED AMPLIFIER



CDP 1 CD PLAYER

The Concept Series CDP 1 player brings the high-end performance of the CD 303/300 and CD 306 SACD players Red Book CD playback section to a lower price point. This certainly makes the CDP 1 a 'Best Buy' audiophile CD player! It has 192 kHz, 24 bit Burr Brown 1792 DAC chips in the critical digital to analog converter section. By having the ability to upsample a CD disk from 44.1 kHz to 96, 192, 384, 512 or 768 kHz it can find the perfect sample rate for each disk in your musical library! Discrete RS 232 and Infra Red command codes make it custom installation ready. The CDP 1 is directly derived from the solid state section of the CD 303/300 CD player that won the 2005 *Product of the Year Award* from *Electronic House* magazine. High style, high performance and superb value for the money all intersect in the Concept Series CDP 1 CD player.



CAI 1 INTEGRATED AMPLIFIER

The CAI 1 is the matching integrated amplifier for the CDP1 in the Cary Concept Series. This rugged little power house offers 100 watts/channel into an 8 ohm load and 200 watts/channel into a 4 ohm speaker load. Add in the flexibility of full remote control input switching and the volume setting, one stereo pair of XLR balanced inputs and six RCA stereo pair inputs and you have a great package. The CAI 1 has a Cinema Bypass function so that it can be mixed with a home cinema surround system as the main two channel music amplifier in the home. This high powered amplifier is a digital design so it will be very efficient with low heat output for installation in tight spaces. The fully discrete RS 232 and Infra Red commands make it installer friendly, like the CDP 1 CD player. It has high quality binding posts for speakers, rear panel remote turn on triggers and IR repeater connections. The understated, attractive black and silver aluminum front panel style is meant to allow the Concept Series components to match any audio system décor.

Highlights

- CDP 1 - Upsampling CD player that can be set as high as 768 kHz sample rate.
- CAI 1 - High power in a small chassis.

CAI 1

SPECIFICATIONS

Preamplifier Input	1 pair Balanced on XLR 6 pair Single-ended on RCA
Input Sensitivity	1.2 V (full-rated output)
Record Output	(1) pair record output on RCA
Controller Connectors	(1) IEC AC mains receptacle (1) 3.5mm "mini plug" jack for IR input (3) 3.5mm "mini plug" jack for trigger out RS 232 full remote configuration interface
Volume Control Range	63.0 dB
Gain Resolution	1.0 dB steps
Input Overload	6 V on XLR, 3 V on RCA
Input Impedance	100 k Ohms on RCA, 200 k Ohms on XLR
Output Impedance	4 - 8 Ohms
Rated Power Output	100 watts/channel rms. at 8 Ohms 200 watts/channel rms. at 4 Ohms
Total Harmonic Distortion	0.0005 % 10W, 4 Ohms 14 kHz / 15 kHz
THD+N	0.006% @ 1W, 8 Ohms 1 kHz, <0.2%, 0.1W - 200W, 4 Ohms
Frequency Response	+/- 0.5 dB from 20 Hz to 22 kHz
Signal-to-Noise Ratio	-80 dB CCIR
Voltage Gain	26.8 dB
Damping Factor	> 4000, 100 Hz 8 Ohms
Power Input	100/120 or 200/240 Volts AC @ 50-60 Hz - configured at factory
Power Consumption	400 watts - Operation, 20 watts - Idle, 5 watts - Standby

CDP 1

SPECIFICATIONS

CD Mechanism	Triple-beam laser, multi speed CD/DVD ROM transport
Formats	CD AUDIO (CD-DA), CD-R, CD-RW
Master Clock Jitter	Below measurable levels
Digital Filter	CARY DSP-300 with HDCD decoding
Digital/Analog Converters	(2) Burr Brown PCM 1792U
Analog Filter	3rd Order Bessel
Analog Outputs	Balanced XLR , Single-ended RCA
Digital Outputs	Coaxial, Toslink, Fs from 44.1 kHz 16 bit to 192 kHz 24 bit
Frequency Range	2 Hz to 22 kHz (44.1 kHz)
Amplitude Linearity	0.1 dB (20 Hz - 20 kHz)
Phase Linearity	3 degrees (20 Hz - 20 kHz)
Dynamic Range	129 dB (1 kHz)
Signal-to-Noise Ratio	122 dB (1 kHz)
Channel Separation	104 dB (1 kHz)
Total Harmonic Distortion	0.003% (1 kHz)
Audio Output Level	3.0V RMS
Balanced	6.0V RMS
Trigger Input	12V DC
IR Input	PHILIPS RC 5 IR code
Communications	RS232 full remote/configuration interface
AC Power Input	100/120 or 200/240 Volts AC @ 50-60 Hz
Power Consumption	50 watts

Due to ongoing development, specifications are subject to change without notice or obligation.