



**CARY**  
*Audio Design*

the **CONCEPT** series  
CARY AUDIO DESIGN



# *sound that makes you feel*

*Concept Series amplifiers, preamplifiers and CD players are high performance audio components that fully embrace the Cary Audio Design performance and listening standards. One of the important design goals of this series was to create components that were 'incredible value for the money.' The Concept Series has the ability to reproduce music with a quality and performance level that will please and surprise the listener. During the development of the series, energy and focus went into the power supply section design, which has a tremendous impact on the way an amplifier sounds. The result – musical amplifiers that are extremely energy efficient and that run very cool. The CDP 1 CD player is directly derived from the solid state section of the CD 303/300 CD player, an 'award winning' player, that is highly respected by industry professionals and customers alike. These components offer an attractive black and silver machined aluminum front panel, allowing seamless integration into any audio system décor. The Concept Series offers superb build quality and high performance audio reproduction to a new generation of cost conscious music lovers.*



## CDP 1

The CDP 1 CD Player brings the high-end performance of the CD 303/300 solid state Red Book CD playback section to a lower price point. 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.



## CAI 1

The CAI 1 integrated amplifier has ample output power blended with superb ease of control. This rugged little power house offers 125 watts per channel into an 8 ohm load and 250 watts per channel into a 4 ohm load. The CAI 1 has a Cinema Bypass function allowing it to be mixed with your home cinema surround system as the main two channel music amplifier. This high powered amplifier is a digital design so it will be very efficient with low heat output for installation in tight spaces. The remote control capability extends to full discrete remote code for Infra Red and RS 232 systems that can control this hard working integrated amplifier. Offering XLR balanced and RCA inputs, the CAI 1 is a polished performer and a core component of this series.

*Like you are there.*

### CPA 1

The CPA 1 preamplifier combines the desirable attributes of low noise, low distortion and ease of use, making it an excellent preamplifier choice for your home audio system. This preamplifier offers a XLR balanced input and multiple RCA single-ended inputs making it a flexible design. The adjustable brightness front panel display shows current settings and volume levels during use. The CPA 1 has its own power supply and when combined with the CAA 1 it is capable of outstanding musical reproduction using your favorite music.



### CAA 1

The CAA 1 power amplifier design offers high output power and high efficiency in an attractive small chassis. The CAA 1 is rated at 125 watts per channel into an 8 ohm load and it is capable of doubling the output power to 250 watts into a 4 ohm load. This type of performance is only possible with rugged, over designed power supplies. The output terminals are designed for bi-wire operation. Efficient, musical and cool running are all great design aspects of the CAA 1 power amplifier.



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# SPECIFICATIONS

## CDP 1 CD PLAYER ●●●

CD Mechanism	Triple-beam laser, multi speed CD/DVD ROM transport
Formats	CD AUDIO (CD-DA), CD-R, CD-RW
Digital Filter	CARY DSP-300 with HDCD decoding
Digital/Analog Converters	(2) Burr Brown PCM 1792U
Analog Outputs	Balanced XLR, Single-ended RCA
Digital Outputs	Coaxial, Toslink
Frequency Range	2 Hz to 22 kHz (44.1 kHz)
Amplitude Linearity	0.1 dB (20 Hz - 20 kHz)
Dynamic Range	129 dB (1 kHz)
Channel Separation	104 dB (1 kHz)
Total Harmonic Distortion	0.003% (1 kHz)
Audio Output Level	3.0V RMS - RCA, 6.0V - XLR
Trigger Input	12V DC
IR Input	PHILIPS RC 5 IR code
Communications	RS232 full remote/configuration interface
AC Power	100/120 or 200/240 Volts AC @ 50-60 Hz
Power Consumption	50 watts
Weight	23 lbs.
Dimensions	4.5" H x 17" W x 13" D

## CAI 1 INTEGRATED AMPLIFIER ●●●

Preamplifier Inputs	1 pair balanced - XLR; 6 pair single-ended - RCA
Input Sensitivity	1.2 V (full-rated output)
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 Impedance	100 k Ohms on RCA, 200 k Ohms on XLR
Output Impedance	4 - 8 Ohms
Rated Power Output	125 watts/channel rms. at 8 Ohms 250 watts/channel rms. at 4 Ohms
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
Power Input	100/120 or 200/240 Volts AC @ 50-60 Hz
Power Consumption	400 watts - Operation 20 watts - Idle 5 watts - Standby
Weight	23 lbs.
Dimensions	4.5" H x 17" W x 13" D

## CPA 1 PREAMPLIFIER ●●●

Preamplifier Inputs	1 pair balanced XLR connections 6 pair single-ended RCA connections
Preamplifier Outputs	1 pair balanced XLR connections 2 pair RCA connections
Controller Connectors	(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
Input Impedance	100 k Ohms on RCA 200 k Ohms on XLR
Rated Output	RCA - 1 Volt (8 volts maximum) XLR - 2 Volts (16 volts maximum)
THD+N	<0.001%
Frequency Response	±0.1 dB from 5 Hz to 100 kHz
Signal-to-Noise Ratio	120 dB "A" weighted
Voltage Gain	26.8 dB
Power Input	110/117 or 220/234 Volts AC @ 50-60 Hz
Power Consumption	50 watts
Weight	22 lbs.
Dimensions	4.5" H x 17" W x 13" D

## CAA 1 POWER AMPLIFIER ●●●

Inputs	1 pair balanced XLR connections 1 pair RCA connections
Input Sensitivity	0.7 V (full-rated output)
Controller Connectors	(1) 3.5mm "mini plug" jack for trigger input (4) custom speaker binding posts
Input Impedance	100 k Ohms on RCA, 200 k Ohms on XLR
Damping Factor	>1,000 @ 8 Ohms
Rated Power Output	125 watts/channel rms. at 8 Ohms 250 watts/channel rms. at 4 Ohms
Rated THD+N	<0.2%
Frequency Response	±0.5 dB from 20 Hz to 50 kHz
Signal-to-Noise Ratio	-80 dB CCIR
Voltage Gain	27.2 dB
Power Input	110/117 or 220/234 Volts AC @ 50-60 Hz
Power Consumption	450 watts - Operation 50 watts - Idle 0.5 watts - Standby
Weight	20 lbs.
Dimensions	4.5" H x 17" W x 13" D