



CLASSE

DELTA SERIES PRELIMINARY INFORMATION

CDP-102 CDP-202
CD PLAYERS



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CDP-102

The CDP-102 and CDP-202 are two-channel audio players, optimized for best performance at different price levels. Utilizing the advanced Classé Disc Player platform, the Classé Design Team has created these models especially for music listeners who do not want or need multi-channel analog audio or High Definition video features.

The music collections of contemporary music lovers/audiophiles are dominated by CDs. Numerous other formats are also typically included. Among them are the variety of CD and DVD-based formats (CD, MP3, WMA, DVD-Video, DVD-Audio, etc.) supported by the CDP-102/202 playback system. For playback of Super Audio Compact Discs (SACDs), Classé recommends the use of a dedicated SACD player, optimized for the unique requirements of the format.

The CDP-102 and 202 utilize a TEAC® DVD-ROM slot-loader mechanism for reading discs. Its many advantages include superior disc-handling characteristics, reliability and control flexibility. The CDP-102 and 202 share the beautiful industrial design and elegant control screens found throughout the Delta series. They are the first CD players to offer touchscreen control and video preview on the front panel. The preview feature allows

CDP-202 CD PLAYERS

audiophiles the option of enjoying a pure music listening session without video, because DVD-Audio (or DVD-Video) discs may be navigated directly from the front panel.

The Classé CDP platform utilizes custom-made, vibration-absorbing feet, and a strong, rigid chassis. Careful routing of signals, power and ground ensure the optimum performance from carefully selected component parts.

For digital audio systems, timing accuracy or lack thereof has substantial influence over sound quality. To maximize performance in both units, digital audio signals are routed through a CPLD (Complex Programmable Logic Device) and sample rate converter. They are re-created as 24-bit/192kHz signals and re-clocked before being output to the D-to-A converters. By attacking jitter at its source, the Classé Design team makes great sounding audio possible from a variety of digital formats.

Stereo DACs (with 8x digital filters) perform the delicate process of converting digital audio to analog. Both channels of the stereo DACs are themselves converted as differential signals to derive the maximum benefit from Classé's balanced analog output topology.



Both players offer single-ended and balanced analog outputs. Unlike other designs offering both formats, the single-ended (RCA) paths are fully optimized and independent of the balanced (XLR) paths. While the balanced paths are truly differential, from the output of the DACs, the single-ended paths benefit from the differential topology as well. Instead of using one half of the balanced signal to derive a single-ended output, these players employ a differential amplifier to properly combine the two signals and gain the benefit of common mode rejection from the balanced topology.

The sonic virtue of these players is complemented by a host of desirable features including touchscreen control, variable analog outputs, two-channel down-mix of multichannel recordings, bi-directional RS-232 control and preview capability for navigation of DVD-Audio or video discs.

MORE FROM THE CDP-202

The CDP-202 is functionally identical to the CDP-102, but offers enhanced audio performance commensurate with its price. Close inspection of the two models reveals that common design principals apply, but a greater

number and cost of parts contribute to advanced performance from the CDP-202 along virtually every sonic metric.

The CDP-202 Left and Right balanced analog audio circuits employ their own digital-to-analog converters and operate in a true “double balanced” mode, ensuring a very high dynamic range. In other words, each half of the balanced signal is itself converted and handled differentially. The post conversion filters are designed to tight tolerances to ensure precise matching. In this way, the full potential of dual differential conversion is realized.

The single-ended Left and Right channel circuits are designed to the same level of quality and operate independently from the balanced circuitry. The single-ended circuits utilize their own, independent digital-to-analog converters and post conversion filtering.

The CDP-202 is designed to provide maximum resolution and enjoyment from a wide variety of music sources. When used together with other high quality system components, the CDP-202 delivers amazing sound, serving up the music in true reference-component fashion.

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PRELIMINARY INFORMATION



CDP-102



CDP-202

CDP-102 CDP-202 CD PLAYERS

Model	CDP-102	CDP-202
frequency response	+0dB/-0.1dB (8Hz – 20kHz balanced) +0dB/-0.7dB (8Hz – 20kHz single ended)	+0dB/-0.4dB (8Hz – 20kHz balanced) +0dB/-0.4dB (8Hz – 20kHz single ended)
THD + noise	0.001% ref 1KHz @ 0dBFS 0.001% ref 10Hz- 20kHz @ 0dBFS	0.001% ref 1KHz @ 0dBFS 0.001% ref 10Hz- 20kHz @ 0dBFS
signal to noise ratio	>110dB dB typical 22Hz - 22KHz @0dBFS A-Weighted	>110dB dB typical 22Hz - 22KHz @0dBFS A-Weighted
channel separation	124dB @ 1kHz 112dB 16Hz – 20kHz	126dB @ 1kHz 115dB 16Hz – 20kHz
D/A converter	1 x Cirrus Logic CS4398	3 x Burr Brown PCM1792
audio sample rate	192 KHz	192 KHz
output level balanced	4 Vrms	4 Vrms
output level single ended	2 Vrms	2 Vrms
power consumption	55w	55w
formats supported	CD, CD-R, CD-RW DVD Audio & Video, VCD, SVCD, MP3, AAC, WMA, DTS CD, DVD-R, DVD+R, DVD-RW, DVD+RW	CD, CD-R, CD-RW DVD Audio & Video, VCD, SVCD, MP3, AAC, WMA, DTS CD, DVD-R, DVD+R, DVD-RW, DVD+RW
outputs	2 x RCA 2 x XLR Coax S/PDIF 1 x RCA AES/EBU 1 x XLR Optical 1 x Toslink S Video Composite	2 x RCA 2 x XLR Coax S/PDIF 1 x RCA AES/EBU 1 x XLR Optical 1 x Toslink S Video Composite
width	17.5" (445mm)	17.5" (445mm)
depth	16.5" (419mm)	16.5" (419mm)
(excluding connectors)		
height	4.75" (121mm)	4.75" (121mm)
gross weight	35lbs (15.9kg)	35lbs (15.9kg)
net weight	27lbs (12.3kg)	27lbs (12.3kg)
mains voltage	Specified on rear panel	Specified on rear panel



CDP-102



CDP-202