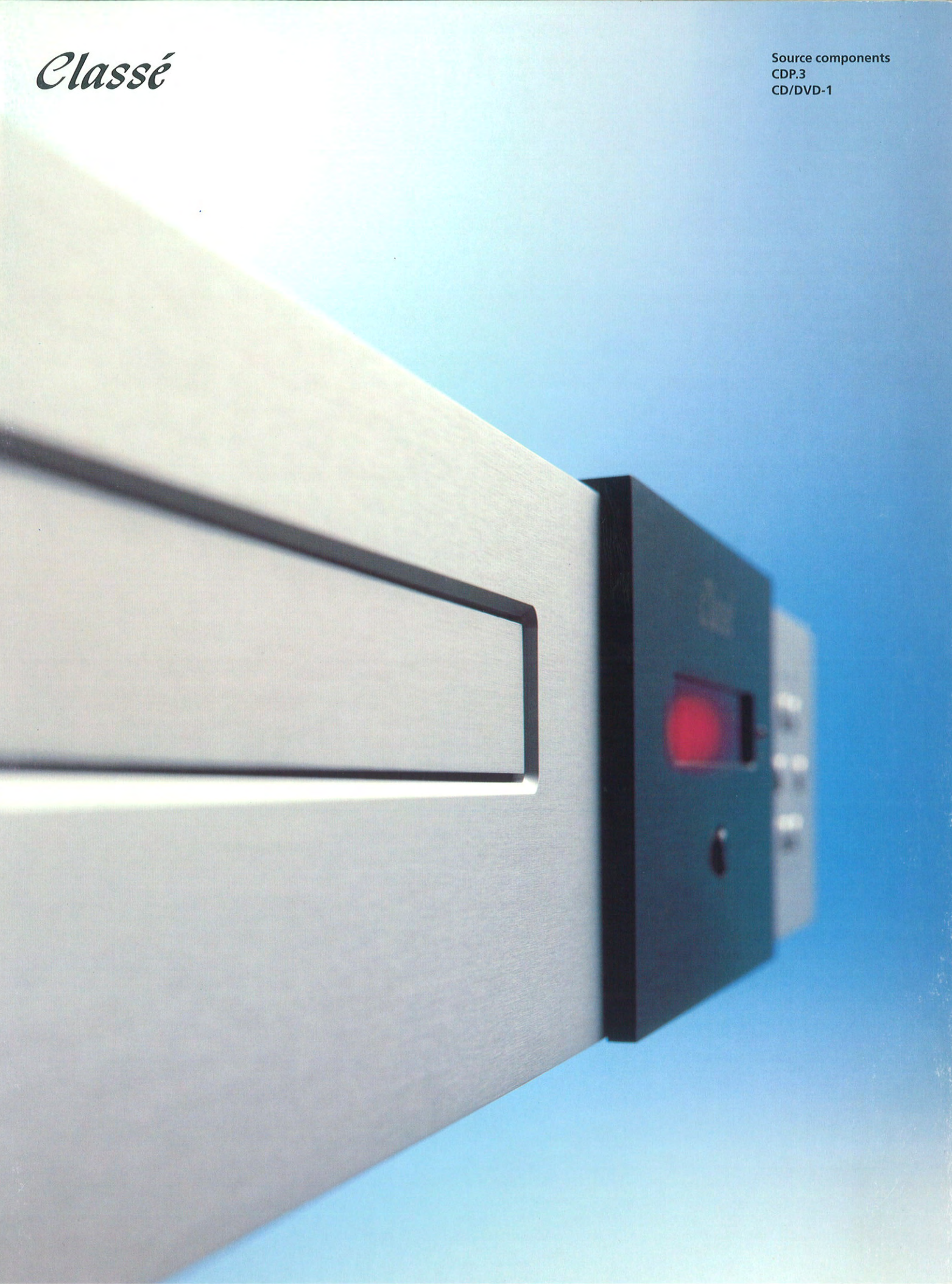


Classé

Source components
CDP.3
CD/DVD-1



Source components. Whether playing back in stereo or as part of multi-channel material, Classé source components pursue the same single-minded objective: reproduction of music on its own or as part of a film soundtrack that is peerless in its purity and realism.

The Classé CDP.3 is a high-performance CD player featuring HDCD filtering that can playback CD, CDR, CDRW as well as HDCD encoded discs. The analogue audio stages incorporate both balanced as well as single-ended outputs.

The Classé CD/DVD-1 is a dual role component. Its primary function is as a high-end CD player incorporating the latest 24-bit DAC technology together with HDCD filtering. Secondly it is a DVD player suitable for use in very advanced multi-channel AV systems with the ability to playback CDR, CDRW, HDCD-encoded CDs as well as CD/Video and DVD. The player utilizes fully-balanced circuitry with both single-ended and balanced options for the outputs.

Both players are fully remote-controlled and come supplied with a high quality aluminium handset.

For use in high performance systems, the Classé CDP.3 has been designed to deliver high-end sound quality at relatively modest cost. In deploying the best possible components in the signal path and creating an enclosure of sleek, minimal design, the emphasis is on high quality simplicity.

The CD/DVD-1 is a multi-application product designed to be used both in high-end audio-only systems as a CD player, as well as a DVD player in advanced audio-video systems.



Transport mechanisms

Both the CDP.3 and the CD/DVD-1 use front-loading mechanisms with a high emphasis on stability and reliability. In the case of the CD/DVD-1 two lasers are attached to the control arm – one optimised for CD playback, the other for DVD.

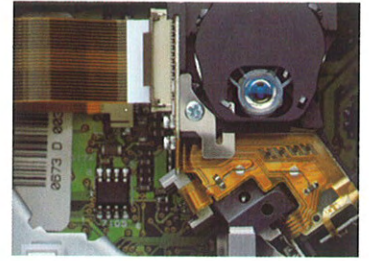
Video link

The task of the CD/DVD-1 player is for the lens of the transport mechanism to read the information on the DVD disc and pass it unhindered to the video monitor. Classé applies the same dedication to the treatment of video and audio signals, so the highest quality components have been selected and the signal path is kept as short as possible.

D/A converters

For the CDP.3 the well-known 20-Bit Burr-Brown PCM-1702 D/A converter has been selected and utilised on each channel. A Pacific Microsonics PDM-100 HDCD decoder is incorporated into the design, performing the function of offering 8x over-sampling as well as decoding HDCD discs.

The CD/DVD-1 is fitted with the highly-acclaimed Burr-Brown PCM-1704, 24 Bit D/A converter. As with the CDP.3 there are two converters, one for each channel. The latest Pacific Microsonics PDM-200 has been selected for the over-sampling function and the HDCD disc decoding.



Balanced circuitry and input

Balanced outputs via XLR-type socket arrangements have been provided in addition to the RCA phono single-ended inputs and output. The CDP.3 and CD/DVD-1 both feature balanced circuitry from input to output, which simply rejects extraneous noise and allows full prominence to subtle low-level detail in the music material.

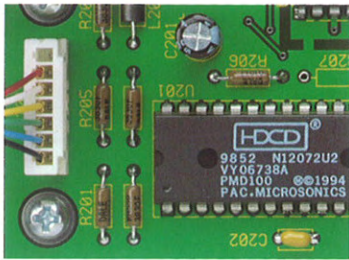
Circuit configuration

The Classé CDP.3 and the CD/DVD-1 analogue stages feature symmetrical circuitry where the circuits for the positive and the negative signals are an identical mirror image.

The standard Classé circuit configuration combines J-FETS, MOSFETS and high power bi-polar transistors where:

- Fast reacting low noise J-FET devices are used for the input stages
- Bi-polar transistors are used for voltage amplification after the J-FET devices
- High speed MOSFETS with greater current carrying capacity than J-FETS are used for the output stage





The principle of the circuit operation is that a fast transistor – J-FET – is used to control the heavy voltage amplifying bi-polar transistors. The bi-polars are forced to switch on and off as fast as the controlling J-FETS. As the analogue audio stages do not have to provide current amplification MOSFETS are used as the output stage, resulting in a sound that balances dynamics with delicacy and speed.

The circuit board

The analogue audio boards are constructed from four layers of bonded epoxy resin, achieving an extremely strong, rigid and non-resonant foundation for the audio components. This construction keeps the signal path very short with the added benefit of containing the signal track within the sandwich of layers and preventing the ground plane from picking up any noise.

Power supply

A toroidal transformer with multiple small capacitors alongside form the heart of the Classé power supply. Small capacitors charge and discharge far more rapidly than conventional large equivalents, resulting in a player that provides a response to the music that is open and fast – never slow and leaden.

Optimum bias levels

The analogue audio stages are set to operate in Class A, eliminating all traces of grain and harshness.

Input and output sockets

All RCA phono sockets and the balanced XLR sockets are gold-plated and securely attached to the chassis safeguarding the integrity of the signal path.

Safety standards

As part of corporate policy all Classé products are fully tested and safety-approved by independent bodies. All models have passed the most stringent tests and are certified for both EMC protection requirements as well as for North American and European Common Market low-voltage safety regulations.

Additional features – CDP.3

- Coaxial digital output
- Aluminium remote handset

Additional features – CD/DVD-1

- Auto detection of disc type and data format
- 3xDigital outputs
 - AES/EBU (XLR)
 - Coaxial (phono)
 - Optical (Tos-Link)
- Outputs to all digital formats AC3 (Dolby digital), DTS, Dolby Pro-Logic
- Component video output YcrCb (phono)
- Composite video output (phono)
- S-Video output
- Aluminium remote handset
- Supports DTS-ES

Please ask your dealer for a copy of the main Classé Audio catalogue if you would like to learn more about our company, philosophy and technologies.

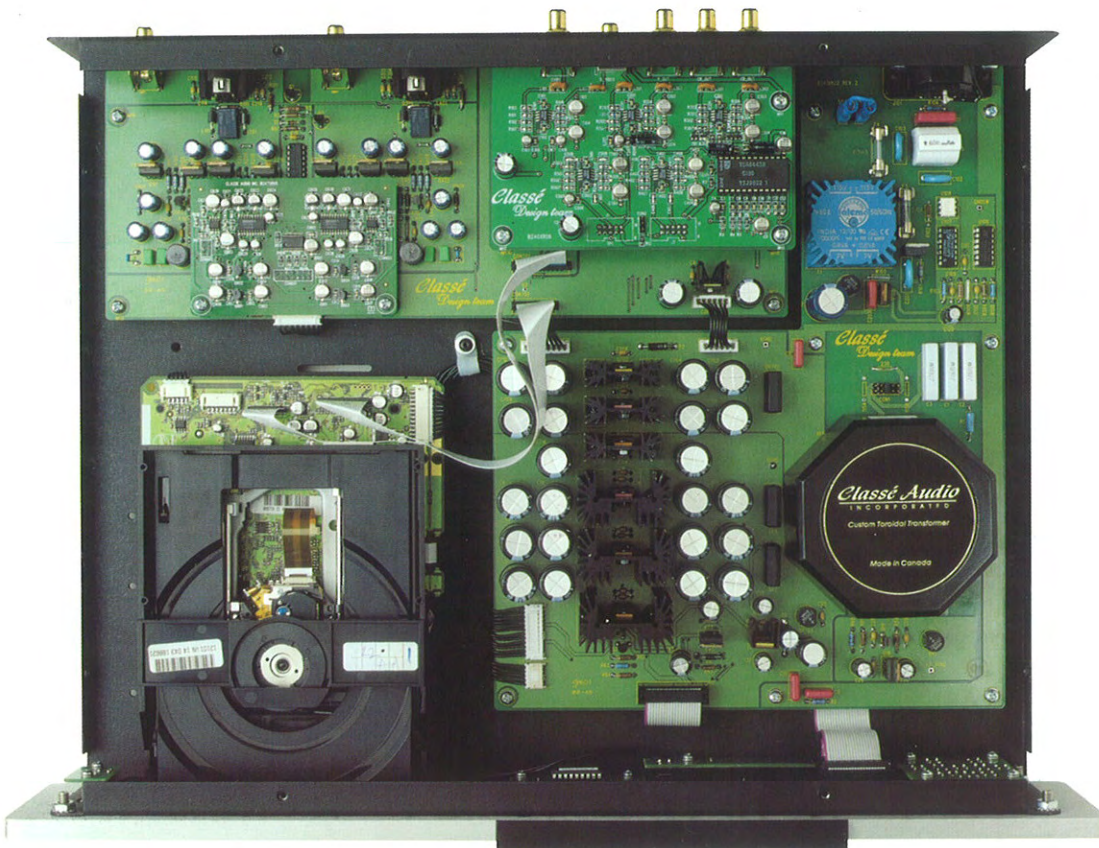


The Classé creed

From its foundation in 1980, Classé has pursued a single, simple vision: to develop audio equipment that offers unrivalled expression of music, irrespective of artist, genre or taste. We believe audio equipment should open doors to new listening experiences, not close them.

That belief is at the heart of every amplifier, source component and processor that leaves the Classé factory. The components we select, the systems we design and the processes we employ to refine their performance are driven, above all, by a deep love of music, and of hearing music as it was originally recorded.

Our equipment will reveal new facets to music you thought you knew intimately and liberate parts of your music collection you thought you'd forgotten.



Model	CDP.3	CD/DVD-1
Frequency response	DC-20kHz	2Hz-22kHz (44.1 sampling)
Distortion THD+noise	0.003%	0.003%
Analogue section		
Single-ended output	2V	2V
Balanced output	2V	2V
Digital section		
D/A converter (Burr-Brown)	2x1702	2x1704
Digital outputs		
Coaxial	Yes	Yes
AES/EBU	No	Yes
Optical Tos-Link	No	Yes
Video output		
Component	N/A	Yes
S-Video	N/A	Yes
Composite	N/A	Yes
Software support		
CD	Yes	Yes
CDR	Yes	Yes
CDRW	Yes	Yes
CD-Video	No	Yes
DVD	No	Yes
24/96	No	Yes

Weight & measurements		
Net weight	7.2kg 16lbs	8.1kg 18lbs
Height	101mm 4"	101mm 4"
Width	483mm 19"	483mm 19"
Depth	337mm 13.3"	381mm 15"

Classe Audio Inc. reserve the right to amend technical specifications without further notice.

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