

CD / Super Audio CD Player

DCD-1500AE

DENON

CD / Super Audio CD player based on the design concept founded in Denon's high-end SA1 series.



AL24 Processing



■ AL24 Processing, to reproduce the ideal analog waveform

The DCD-1500AE features AL24 Processing, an analog waveform reproduction technology that DENON developed to reduce quantitative noise and support the higher resolutions and sampling of next-generation media. AL24 Processing interpolates the recorded digital data so that it produces a waveform that is closer to the analog waveform for the sound as it existed in the natural world. By reproducing in 24-bit quality the 16-bit signals recorded on CD, low-level signals such as those that occur at moments when the music quietly fades or starts are reproduced with greater clarity.

■ Original Drive Mechanism, DENON's core digital disc playback technology

The DCD-1500AE includes the Original Drive Mechanism that DENON has been perfecting over many years for both dedicated and universal CD players. The three-phase brushless spindle motor has been designed with an extremely short shaft that not only suppresses mechanism resonance caused by high-speed rotation during Super Audio CD playback but also suppresses internal resonance caused by disc eccentricity, to create an ideal servo environment. This design ensures superior disc reading accuracy and playability. The DCD-1500AE also incorporates a highly-acclaimed SVH (Suppression Vibration Hybrid) loader that features a hybrid construction combining multiple types of materials to further improve the disc drive's stability.

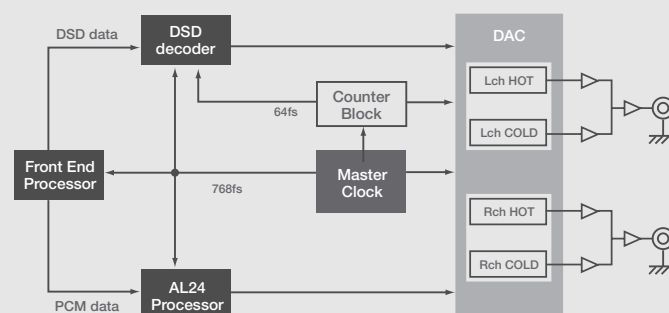


■ High-accuracy D/A converter

The DCD-1500AE uses a 24-bit D/A converter to perform D/A conversion. High sound quality is made possible with an extremely simple configuration that uses only a pure analog FIR filter in the output stage of the D/A converter. This D/A converter uses differential operation for each of the two stereo channels to further boost sound quality.

■ DAC master clock design

As in DENON's higher-end models, the DCD-1500AE uses the DAC as a master to supply clock signals to the various devices and ensure highly reliable oscillation accuracy. By frequency dividing signals from the master clock at a dedicated device, the DSD decoder that is vital for Super Audio CD playback and the DSD clock signal effectively minimize the adverse influences of jitter to achieve sound images with clear contours.



■ Pure Direct mode, for pure enjoyment of music

The DCD-1500AE includes a Pure Direct mode that turns off the display and digital signal output. When the pulse signals of the digital data and the display drive are turned off, adverse influences on the audio signal are eliminated to create a more favorable environment for enjoying the purity of music.

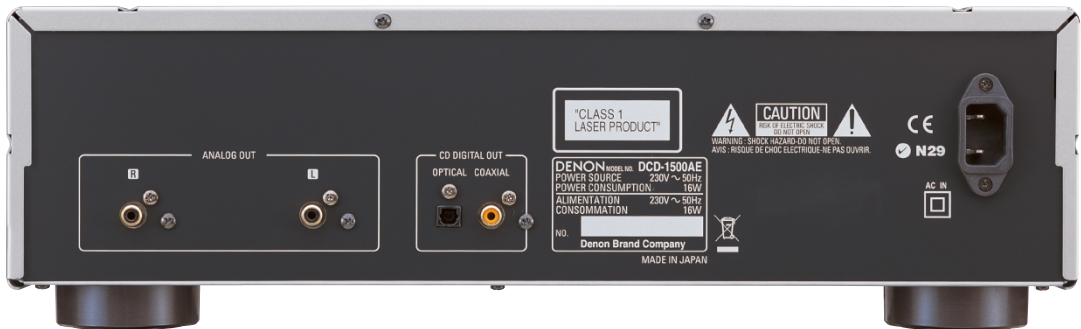
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■ Total design founded in the "SA" philosophy

The DCD-1500AE sports a new design in a premium silver color that takes into consideration future system upgrades and inherits the quality of DENON's latest models. The external design and circuit configuration are inspired by DENON's high-end models as well, and when the DCD-1500AE is combined with the PMA-1500AE integrated amp, together they create a Hi-Fi audio system with a quality that is totally balanced.



Specifications	Super Audio CD	CD
Analog Output		
Channels	2 channels	2 channels
Frequency range	2 Hz - 100 kHz	2 Hz - 20 kHz
Frequency response	2 Hz - 50 kHz (-3 dB)	2 Hz - 20 kHz
Signal-to-noise ratio	104 dB	110 dB
Dynamic range	104 dB	100 dB
Total harmonic distortion	0.0013% (1 kHz)	0.0018% (1 kHz)
Wow & Flutter	Below measurable limit	Below measurable limit
Output voltage (unbalanced)	2.0V (10 k ohms)	2.0V (10 k ohms)
Signal system	1-bit DSD	16-bit, linear PCM
Sampling frequency	2.822 MHz	44.1 kHz
Digital Output		
Coaxial	-	0.5 Vp-p/75 ohms
Optical	-	-15 to -21 dBm
Emission wavelength	-	660 nm
General		
Power supply	AC230V, 50 Hz	
Power consumption	16 W	
Dimensions	W434 x H135 x D331 mm	
Weight	7.6 kg	



*Design and specifications are subject to change without notice.
*Super Audio CD is a registered trademark of Sony and Philips.

*Black version is available