

New model information

DCD-A100

Super Audio CD Player

DENON

Special edition of Super Audio CD player
celebrating our 100th anniversary

100
th Anniversary
since 1910



Advanced Engineering. Artistic Fidelity.

The DCD-A100 is endowed with Advanced AL32 Processing, a highly accurate master clock and the latest 32Bit/192 kHz DA converters that dramatically boost the quantity of digital audio information to ensure that the sound you hear is more faithful to the original source. The Advanced S.V.H. drive mechanism guarantee accurate and high quality playback of Super Audio CDs and CDs. The DCD-A100 is equipped with various digital input ports, including a USB port for connecting an iPod or USB memory and playing music files from those devices. When these digital signals are played back through the Compressed Audio Restorer, the Advanced AL32 Processor and other Denon audio circuits designed for high sound quality, you will be able to enjoy the music with a rich ambiance not possible from those devices on their own.

This high-performance edition player includes a 100th anniversary power supply consisting of an upgraded power transformer and block condenser. The DCD-A100 also features cast iron footing for better stabilization and higher sound quality, and the exclusive anniversary badge on the component's front panel.

The Signatures of Quality

The DCD-A100's glossy black finish includes the 100th anniversary logo badge, and comes with a 5-year warranty and a signed certificate of authenticity from the chief production engineer who hand crafted the product. Also included is a beautiful Denon "brand book" that explores the history of one of the leading names in the audio-visual field.



Special Edition 100th Anniversary Series



High quality sound

- **Advanced S.V.H. (Suppress Vibration Hybrid) Disc Drive Mechanism**

Since Super Audio CD rotates at high speed, the drive mechanism itself is a source of considerable vibration. To thoroughly suppress that vibration, the motor shaft in the DCD-A100 has been shortened as much as possible, and the drive motor has been placed close to the turntable. Misalignment of the laser beam axis and the angle of the turntable or pickup mechanism base affect disc reading accuracy. To eliminate such mechanical variations and ensure high accuracy in signal playback and playability, corrections have been made for each unit individually. In addition, a S.V.H. (Suppression Hybrid Construction) loader of a hybrid construction combining different materials gives stability to the disc drive so that the disc can be read with optimum accuracy.

- **DAC master clock design for jitter free conversion**

The DCD-A100 features the same type of DAC that is used in our high-end CD player as a master of clock signals for all devices. Since these clock signals are generated by an oscillator circuit module, it is possible to obtain highly reliable oscillation unaffected by PC board patterns and other elements.

- **Cast iron feet to minimize vibration**

- **iPod/iPhone/USB Direct ("Made for iPod" certified)**

When you connect an iPod or USB memory (containing WMA/ MP3 files) to the DCD-A100's USB port, you can play the music files stored on these media. The battery is also charged while connected. When you connect the iPod, you can even continue listening to the track that was in play before connection. Since the iPod transmits digital signals, the sound you hear as they pass through the DCD-A100's audio circuitry is of much higher quality.

*1) Supports USB mass storage class.

- **Support MP3/WMA playback**

The DCD-A100 lets you select the Compressed Audio Restorer function when playing files in the MP3 or WMA sound compression format from disc or USB. This function restores signals that have been omitted during compression so that you can hear the sound close to the way it was prior to compression. The sound will also be richer, as the deep bass range is corrected at the same time. The effect of the Compressed Audio Restorer can be set to one of three levels, or turned off.

- **Advanced AL32 Processor, technology for high sound quality**

- **High-precision 32-bit, 192-kHz D/A converters**

- **Complete separation of digital and analog power supplies**

- **Minimum signal paths, to protect signal purity**

* Design and specifications are subject to change without notice.
 * "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
 * Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
 * iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

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- **Precision Direct Mechanical Ground Construction, to thoroughly suppress vibration**
- **Compressed Audio Restorer**
- **Pure Direct mode, for pure enjoyment of music**
- **Parts strictly selected for high sound quality**



Ease of use

- **RC for both AMP&CD operation**

The remote control unit that comes with the DCD-A100 also lets you operate Denon PMA-A100 integrated amplifier. High-grade tactile buttons and other features make this remote extremely easy to use.

Eco friendly design

- **Low standby for ecology (0.3 W)**

The very low standby power consumption of about 0.3W minimizes the DCD-A100's impact on the environment.



ADVANCED *AL32* PROCESSING



MP3

WMA

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	119 dB (audible band)	119 dB
Dynamic range	114 dB (audible band)	100 dB
Total harmonic distortion	0.0008% (1 kHz, audible band)	0.0017% (1 kHz)
Wow & Flutter	Below measurable limit	Below measurable limit
Output voltage (unbalanced)	2.0V (10 k ohm)	2.0V (10 k ohm)
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 ohm
Optical	-	-15 to -21 dBm
Emission wavelength	-	660 nm
General		
Power supply	AC 230 V, 50 Hz	
Power consumption	33 W (Stand-by less than 0.3W)	
Dimensions (W x H x D)	434 x 137 x 336 mm	
Weight	14.5 kg	

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