Denon is one of the rare audio brands that continued to actively develop Hi-Fi components and accumulate, refine, and pass down Hi-Fi audio technologies. The 2500NE series, designed for today’s age, has been developed by both veteran engineers and talented young engineers who have inherited the Denon technologies and expertise that have been cultivated over many years and decades. The DCD-2500NE focuses on achieving the essence of a disc player: ultra-high precision in reading discs and supplying high-quality audio signals to the amp. To achieve this, the signal paths are as short as possible and the whole circuitry is minimized. The engineers also redesigned the disc drive mechanism brackets and the chassis to eliminate vibration, the great enemy of disc players, and achieve ultra-vibration-resistant performance. The information on the disc is now read with impeccable accuracy and a clean, high-grade signal is supplied to the DCD-2500NE’s Advanced AL32 Processing Plus circuitry. Besides CD and Super Audio CD playback, the DCD features playback of audio recordings up to PCM192/24 or DSD5.6 recorded on a DVD R/RW for full flexibility and extended access to high resolution audio.

www.denon.eu
**Signal Paths**

Enhance the music listening experience

The DCD-2500NE is equipped with Advanced AL32 Processing Plus, the latest version of Denon’s analogue wave form reproduction technology which utilizes unique data interpolation algorithms and also supports high-resolution sound sources. These algorithms interpolate points that should exist before and after the points in large quantities of data to achieve a smooth waveform that is close to that of the original signal. By carefully restoring data that was lost during digital recording, the resulting playback sound is highly detailed, free of interference, accurately localized, richly expressive in the lower range, and beautifully faithful to the original sound.

High-precision 32-bit, 192 kHz D/A converters have been used to bring out the maximum performance of the Advanced AL32 Processor. These D/A converters transmit differential output to each channel to improve sound quality during playback.

**DSD data disc playback support**

In addition to CD and Super Audio CD, the DCD-2500NE can play DSD (2.8 MHz / 5.6 MHz) files and high-resolution files up to 192 kHz recorded on CD-R/RW discs can also be played. DSD data files with sampling frequencies of up to 48 kHz recorded on CD-R/RW discs can also be played.

**Independent digital and analogue power transformers**

The power units for the digital and analogue circuits, whose signals have different characteristics, have separate transformers to eliminate mutual interference and noise. An aluminium plate has also been combined to the underside of the steel transformer base to strengthen rigidity.

**NEW AND UPGRADED FEATURES**

- Advanced AL32 Processing Plus and a high precision 32-bit/192kHz D/A converters PCM1795, to dramatically enhance the music listening experience
- Advanced S.V.H. Mechanism, Denon’s original disc drive design
- DAC Master Clock design with low jitter oscillator and Minimal Signal Paths
- DSD data disc playback support

**STATE-OF-THE-ART DENON SOLUTIONS FOR MAXIMISING CONTENT QUALITY**

- High quality audio reproduction from any kind of digital media recorded on a disc
- Separated digital and analogue power supply
- Vibration-resistant design with Direct Mechanical Ground Construction
- Minimum Signal Paths, to protect signal purity
- Pure Direct mode, for pure enjoyment of music
- Parts strictly selected for high sound quality

**EASE-OF-USE**

- Easy-to-use remote control for CD and Amp operation
- Auto Standby and low power consumption at stand-by 0.1 W

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**Specifications**

<table>
<thead>
<tr>
<th>SACD section</th>
<th>CD section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>2 channels</td>
</tr>
<tr>
<td>Dynamic range</td>
<td>112 dB</td>
</tr>
<tr>
<td>Signal-to-noise ratio</td>
<td>120 dB</td>
</tr>
<tr>
<td>Total harmonic distortion</td>
<td>0.0003% (1 kHz, audible range)</td>
</tr>
</tbody>
</table>

**Output voltage**

| 2.0 V (10 kohms) |

**Digital output**

| 0.5 Vp - p/75 ohms |
| -75 to -21 dBm |
| 660 nm |

**General**

| Power supply | AC 230 V, 50 Hz |
| Power consumption | 25W (Standby 0.1W) |
| Dimensions (W x H x D) | 434 x 138 x 335 mm |
| Weight | 13.7 kg |

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**Denon**

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