

PRESS INFORMATION

Exceptional HiFi performance from High Resolution Audio

Denon ushers in a new era in premium HiFi with their upcoming stereo duo PMA-2500NE and DCD-2500NE

January 15th, 2016 – Denon, one of the world’s leading manufacturers of high-quality home entertainment products, is proud to announce a New Era of enjoying master tape recordings at home with the launch of new premium-class stereo duo PMA-2500NE and DCD-2500NE. With more than 100 years of company heritage, Denon has never stopped pushing the frontiers on classic 2-channel HiFi. The result is the company’s new top of the range integrated amplifier with DAC mode, PMA-2500NE, and Super Audio CD Player DCD-2500NE. Both sum up all of the engineers’ know-how and dedication, to deliver exceptional products supporting latest digital audio formats, for the most demanding HiFi enthusiast.

PMA-2500NE Integrated Amplifier with DAC mode

Denon is one of the rare audio brands that continued to actively develop HiFi components and accumulate, refine, and pass down HiFi 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. And the performance of the PMA-2500NE goes well beyond that of Denon’s previous PMA-2000 series, with its strict “Simple & Straight” circuit design philosophy for pure and unadulterated audio enjoyment. Extraordinary built-quality, unique Denon technologies and state-of-the-art connectivity make the PMA-2500NE a true masterpiece of sound technology. To achieve impeccable balance between delicate details and vigour in sound, the PMA-2500NE employs Ultra High Current MOS (UHC-MOS) FETs, capable of producing ample current in a single push-pull configuration which deliver superior linearity in the output stage throughout the sonic range from musical details to robust current. The Precision Direct Mechanical Ground Construction thoroughly suppresses vibration thus minimizing adverse influences on the output signal. A chassis construction with six independent blocks and the large high-grade volume potentiometer further suppress external noise and unwanted interferences between the parts. The PMA-2500NE is equipped with two transformers that have been mounted facing opposite directions in a leakage cancelling (LC) mount system to cancel mutual influences of magnetic flux, a source of noise, leaking from the transformers. All relevant ingredients have been strictly selected to deliver the high sound quality for which Denon is renowned. The high-performance phono equalizer (MM/MC) makes the PMA-2500NE the best choice also for vinyl lovers. For the best performance from analogue inputs, the PMA features an Analog Mode which allows to switch off all unutilized sections like the digital input circuitry or the low noise display for an unaltered audio reproduction.

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Thanks to the rear USB-B input, the PMA-2500NE even satisfies the needs of the most demanding high-resolution audio enthusiasts. Music files up to 384 kHz / 32 bits and even DSD files up to 11.2 MHz stored on a computer can be played back in ultimate studio-quality sound. Source and sample rate indication can easily be read on the front panel, low noise OLED display. The asynchronous mode ensures that jitter is kept to a minimum, and a dedicated isolation around the USB-B input, avoiding external noise entering the sensitive audio circuitry, makes digital files sound as impeccable as possible. Before heading for the embedded high quality D/A converter, all digital signals are carefully treated by famous Advanced AL32 Processing Plus, the latest version of Denon's analogue waveform reproduction technology. 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.

DCD-2500NE Super Audio CD Player

As the perfect companion, 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 Denon engineers incorporated unique technologies and developments to strengthen rigidity and to reduce vibration, the great enemy of disc players. For example, they chose reference-class Advanced S.V.H. (Suppress Vibration Hybrid) disc drive mechanism with a newly developed pickup circuit. Signal paths have been shortened to an absolute minimum and circuits have been miniaturized to ensure that excess current or noise will not occur. The various parts of the mechanism have been made with different materials, carefully selected to improve disc read and data processing. The complex built-quality includes a Direct Mechanical Ground Construction, with the power transformers – themselves a source of vibration – placed close to the feet of the DCD-2500NE where unwanted vibration is funneled directly to the ground and prevented from affecting nearby circuitry. Also, by placing the drive mechanism – the part with the greatest mass – low in the centre of the chassis, the low centre of gravity effectively absorbs internal vibration caused by disc rotation and also protects the mechanism from external vibration. As a result, 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. In addition to CD and Super Audio CD, the DCD can play DSD (2.8 MHz / 5.6 MHz) files and high-resolution files up to 192 kHz / 24 bits recorded on DVD-R/RW and DVD+R/RW discs. Music files with sampling frequencies of up to 48 kHz recorded on CD-R/RW discs can also be played.

To sum up, the PMA-2500NE and DCD-2500NE represent Denon's response for today's new era of audio with its considerable diversity of sources. Both products are of exceptional built-quality and combine unique Denon technology born from extensive research and more than a century of heritage in the audio industry. They will be available at authorised Denon retailers in a Premium Silver colour finish starting in February.

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At a glance:

Denon New Era concept:

With the 2500NE series, Denon is moving into a New Era (NE) in the playback of high resolution audio. Both units do support the best post audio in their own way. The DCD-2500NE in the most classical way by supporting Super Audio CD playback, but also self-recorded DVD R/RW with PCM files up to 192kHz/24bit and DSD recordings up to DSD 5.6 MHz. The PMA-2500NE with its built-in DAC mode is ready for the most direct way to enjoy high resolution audio by just connecting the computer and stream PCM up to 384 kHz / 32 bits and DSD up to 11.2 MHz. There are just no limits. A New Era of enjoying master tape recordings at home has started with the release of the Denon 2500 NE models.

Denon PMA-2500NE Integrated Amplifier with DAC-Mode - Key Features

- 2 x 160 W (4 ohm) output
- Advanced Ultra High Current (UHC)-MOS Single Push-Pull Circuit Power Amplifier with new Schottky barrier diodes
- DAC Master Clock Design
- USB-B input for High Resolution Audio up to 384 kHz / 32 bit and 11.2 MHz DSD
- Digital isolator to eliminate high-frequency computer noise on the USB-B
- Low noise OLED display for source and sample rate indication
- Analog Mode for pure audio reproduction switching off digital audio circuitry and display
- Advanced AL32 Processing Plus
- Direct Mechanical Ground Construction to minimize unwanted vibration
- Chassis construction with 6 independent blocks to eliminate noises
- Leakage-cancelling-mounted twin transformers
- Main transformer with separate power supplies for analogue and digital circuits
- Wide dynamic range playback, supporting high-resolution audio sources
- High-grade volume control for precise adjustment
- 2 Digital Optical and 2 Digital Coaxial inputs
- High performance MM & MC Phono Equalizer Amp
- Available in Premium Silver

Denon DCD-2500NE Super Audio CD Player - Key Features

- Advanced AL32 Processing + Ultra Precision 192kHz/32bit D/A Converter
- DAC Master Clock Circuit Design to suppress jitter and noise
- Direct Mechanical Ground Construction to minimize unwanted vibration

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- Carefully designed construction, minimum signal paths and selected Hi-Fi parts to preserve audio signal purity
- Original drive mechanism, the heart of Denon's digital disc playback technology, with Advanced S.V.H. loader
- Playback of CD, Super Audio CD, DSD (2.8 MHz / 5.6 MHz) files and PCM files up to 192 kHz / 24 bits recorded on DVD R/RW
- Twin Transformer for separated digital and analogue power supply
- Pure Direct Mode
- Digital optical, digital coaxial and analogue output
- Available in Premium Silver

Images:

TIFF: http://www.denon.eu/downloads/press/2016_2500NE/de_pma2500ne_e2_st_bg001_hi.tif

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Denon PMA-2500NE front view

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Denon PMA-2500NE back panel view

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Denon DCD-2500NE front view

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Denon DCD-2500NE back panel view

About Denon:

From its beginning in 1910 as a supplier of professional recording studio and broadcast equipment, Denon has become a world leader in the manufacture of the highest quality home theatre, audio and software products. Denon is recognized internationally for innovative and groundbreaking products and has a long history of technical innovations, including the development and first commercialization of PCM digital audio.

About D&M Holdings:

D&M Holdings is a global operating company providing worldwide management and distribution platforms for premium consumer, automotive, commercial and professional audio and video businesses including Denon®, Marantz® and Boston Acoustics®. Our technologies improve the quality of any audio and visual experience. All product and brand names with a trademark symbol are trademarks or registered trademarks of D&M Holdings or its subsidiaries. For more information visit www.dmglobal.com.

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