

A black Denon PMA-3000NE integrated amplifier sits on a dark wood console. It is flanked by two white Denon speakers. The background features a grey wall with a large abstract painting and a window with light coming through.

DENON®

# DENON PMA-3000NE

## 2-channel 160W Integrated Amplifier with MM/MC Phono Stage

Experience audio excellence redefined with the Denon PMA-3000NE. Delivering 160W per channel at 4 ohms/80W per channel at 8 ohms, this powerful amp drives speakers with clarity and linearity. With versatile digital connections, 384kHz/32-bit support, Analog Mode, and an MM/MC phono stage, it delivers superior sound in any scenario.

### HIGHLIGHTS

### YOUR BENEFITS

Drives even the most demanding speakers

A push-pull amplifier, delivering 160W/channel into 4 ohms and 80W/channel into 8 ohms, effortlessly accommodates a range of speaker types and impedances.

Seamlessly integrate high-resolution digital audio

Digital connections, including optical, coaxial, and USB-B, support up to 384kHz/32-bit. Ultra AL32 Processing waveform interpolation produces smooth, high-resolution sound.

Unlock your vinyl collection's full potential

The PMA-3000NE's phono stage supports both MM and MC cartridges, for the most faithful sonic reproduction regardless of cartridge type.

Analog mode

Analog mode bypasses digital circuitry for a pure, all-analog sound. A Source Direct function bypasses the tone controls so that the signal path is as short and clean as possible, for enhanced clarity.

Precision control

Thanks to clever engineering, microcontroller-managed volume, balance, and tone controls offer precise, linear digital adjustments with the familiar, tactile feel of analog knobs. It's the ultimate blend of modern digital functionality and old-school charm.

SINCE 1910 | DEFINING AUDIO EXCELLENCE

ADVANCED  
ULTRA HIGH CURRENT MOS  
SINGLE PUSH-PULL CIRCUIT



ULTRA AL32  
PROCESSING





Ultra AL32 Processing

Denon's Ultra AL32 Processing analog waveform reproduction technology uses data interpolation algorithms to achieve smooth high-resolution output, with a waveform that closely matches the original. Algorithms support PCM input signal resolutions up to 384kHz/32-bit, performing upsampling to smooth out the waveform and deliver richly detailed, expressive sound that's faithful to the source.

Advanced amplifier design

Advanced UHC-MOS Single Push-Pull Circuit, paired with a differential 1-stage amplifier, effortlessly drives even the most demanding speakers, with a highly linear output stage ensuring stunning clarity at any volume.

Support for high-resolution audio

Able to decode high-resolution audio ALAC, FLAC, and WAV/lossless files up to up to 384kHz/32-bit, as well as DSD files up to 11.2MHz. PMA-3000NE lets you enjoy each note exactly as the artist intended.

High-performance MM/MC phono stage

Unlock your vinyl collection's full potential with the PMA-3000NE's high-performance phono stage, which supports both MM and MC cartridges for the truest sonic reproduction regardless of cartridge type. Featuring a phono equalizer for exceptional stability in the high-frequency range, it excels when paired with high-quality cartridges like the Denon DL-103R. A high-gain design and "simple & straight" circuitry minimize distortion, delivering the pure sound of vinyl in all of its warmth and depth.

Digital audio inputs

Versatile connections let you integrate high-resolution audio from your computer, media players, and other digital sources. Optical and coaxial inputs support 192kHz/24-bit audio and a USB Type B input supports PCM files up to 32-bit/384kHz or 11.2 MHz DSD, reproducing high-resolution sound with a wide dynamic range for a truly immersive listening experience.

110+ years of firsts in audio technology

For more than a century, we've crafted cutting-edge audio products that deliver the ultimate detail. Our Japanese heritage inspires us, and each product is hand-tuned by our Sound Master. Prepare to hear sound differently.

Tuned by the Denon Sound Master

Each Denon product is tuned by Shinichi Yamauchi, the Denon Sound Master, to provide the truest sonic reproduction, so you can trust that you'll experience your favorite music exactly as the artist intended.

Technical Information		
General		
Unit (W × H × D)		434 × 182 × 443 mm
Net Weight		24.6 kg / 54.2 lbs
Panel Color		Silver, Black
Specifications		
Audio	Rated Output Power	80W + 80W (8 ohm,20 Hz-20 kHz,THD 0.07%)
		160W + 160W (4 ohm, 1 kHz, THD 0.7%)
	Total Harmonic distortion	0.01 % (Rated output: -3 dB), 8 ohm/ohms, 1 kHz
	Input Sensitivity: Phono input	MM: 2.5 mV / 47 kohm MC: 200 μV / 100 ohm
	Input Sensitivity: CD/LINE/RECORDER	135 mV / 19 kohm
	Input Sensitivity: Power Amp input	0.9V / 47 kohm (EXT. PRE)
	Signal to Noise Ratio	PHONO (MM): 89 dB PHONO (MC): 74 dB CD: 107 dB
Power	Power Consumption	400W
	at Standby	0.2W TV autoplay off 0.4W TV autoplay on
Audio Features		
Analog Audio	Power Amplifier Circuit	Advanced UHC-MOS Single Push-pull Circuit
	Preamplifier Circuit	Variable Gain Preamplifier
	Bass / Treble / Mid / Balance Control	Yes / Yes / No / Yes
	Source Direct	Yes
	Analog Mode	Yes
Digital Audio	DAC Circuit	ES9018K2M × 4
	Digital Processing	Ultra AL32 Processing
	DAC Master Clock Design	Yes
	Asynchronous mode (for USB-B input)	Yes

Connectivity		
Audio Video	Phono Input	Yes (MM / MC) *default = MM
	Analog Input (include Phono) / REC Out (RCA)	4/1 (Gold Plated) (Brass Machining type for all CD/PHONO/AUX/RECORDER)
	Optical input / output (Maximum Support)	3 / 0 (192 kHz/24-bit)
	Coaxial input / output (Maximum Support)	1 / 0 (192 kHz/24-bit)
	Speaker Terminal	AVR-A1H type Gold Plated w/Cover
	Headphone Output	1 (Turns off the speaker automatically when headphone is inserted)
Control /other	Remote Control	Yes
	Remote Control Bus Terminal	Yes (mini)
Network	Wi-Fi	No
	HEOS	No
USB B	USB B (USB DAC)	1 (Rear)
	PCM Sample Rate / Resolution	~384 kHz/32-bit
	DSD Audio Streaming	~11.2MHz

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