

DENON®

PRODUCT INFORMATION



DENON PMA-800NE

INTEGRATED AMPLIFIER WITH 85W PER CHANNEL

The Denon PMA-800NE integrated amplifier sets new heights in premium audio performance with digital inputs and a built-in phono equalizer. Listen to your favorite high-resolution audio content with the 192kHz/24bit D/A converter. Powered by the Denon Advanced High Current (AHC) single push-pull circuit power amplifier, the PMA-800NE provides exceptional sound quality that balances high power with delicate, musical details.

HIGHLIGHTS

- 2 x 85 W (4 ohm) power output
- Advanced High Current (AHC) Single Push-Pull circuit power amplifier
- 3 Optical, 1 Coaxial digital input
- Built-in 192kHz/24bit D/A converter
- Impeccable sound engineering with carefully selected and rigorously tested Hi-Fi parts
- Analog Mode for pure audio reproduction
- High performance MM and MC phono equalizer amp
- Vibration-resistant design with Direct Mechanical Ground Construction
- Main transformer with separate coiled wires for audio/control circuits
- Micro-processor with Stop Mode
- Denon-proprietary Signal Level Divided Construction (SLDC) chassis
- Engineered with a more than 100-year Denon legacy in audio excellence

YOUR BENEFITS

- Get the maximum performance to drive your favorite loudspeakers
- Wide bandwidth captures everything from deep bass to detailed highs
- Supports all digital music sources
- Experience high-resolution audio playback
- Enjoy the exceptional sound that is the signature of Denon amplifiers
- Enjoy the richness of your treasured analog music sources
- Connect any turntable and enjoy vinyl tracks
- Listen to music with pristine detail and quality unaffected by the environment
- Eliminates interference to optimize sound quality
- Protects audio signal from external noise during playback
- Amplify and transmit delicate musical signals to the speakers to capture the nuance of the music
- Trust this high-quality and durable system to deliver the ultimate audio experience

DENON 100+ YEAR "LEGACY OF FIRSTS" IN AUDIO TECHNOLOGY

ADVANCED
High Current
SINGLE PUSH-PULL CIRCUIT



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High Power 85W Integrated Amplifier

Power your loudspeakers with the Denon PMA-800NE integrated amplifier. Engineered with remarkable Denon amplifier technology, the PMA-800NE delivers 85 Watts of power-per-channel into 4 Ohms. This integrated amplifier offers compatibility with the widest range of speaker types and impedances for operational stability.

Advanced High Current (AHC) Single-push-pull Circuit

Enjoy powerful sound with detailed, musical accuracy. The PMA-800NE incorporates AHC transistors with two-to-three times the electrical current supply capacity of conventional audio power transistors.

High-grade Audio Components

Denon engineers carefully constructed the amplifier circuit within the PMA-800NE to secure a frequency response of up to 100 kHz during applied use. The volume circuit suppresses noise in the amplifier, achieving high sonic resolution. The PMA-800NE handles a wide, dynamic range of high-resolution audio sources with tone control and power throughout.

Build Integrity with Thoughtfully Selected Components

With more than a 100-year legacy of designing premium audio components, trust that your Denon product has undergone rigorous testing. The overall aesthetic, sound quality and design integrity of PMA-800NE and its Hi-Fi components are built to last.

Analog Mode

Analog Mode allows the PMA-800NE to operate as a purely analog amp, disabling coaxial, digital and optical digital inputs while you listen to an analog source. Turn on Analog Mode to close power to the dedicated digital power source and stop operation of the digital input circuitry, avoiding any high frequency influence on the analog section of the PMA-800NE. Enjoy your favorite analog sources with uninhibited clarity and detailed reproduction.

MM and MC Phono Equalizer

The PMA-800NE includes a phono equalizer that supports input from both MM and MC cartridges. This phono equalizer has high gain, and unlike loops in other circuit board patterns which cause adverse effects on sound quality, the simple, straightforward design of the PMA-800NE phono equalizer significantly improves sound.

Direct Mechanical Ground Construction for Pristine Sound

Vibration-resistant design reduces the adverse audio effects of heavy components within amplifiers so sound quality meets Denon standards. The power transformer — which is the largest vibration source among amplifier components — is outfitted with a 1.6mm thick steel plate to the mount, suppressing vibration created by the transformer as well as external vibration toward the transformer. By directly supporting the transformer with a steel plate, the vibration surrounding the chassis is reduced resulting in pristine sound.

Optical and Coaxial Digital Inputs

The PMA-800NE features three Optical inputs and one Coaxial input and supports PCM signals up to 192 kHz/24 bit. These digital inputs help to improve sound and visual quality of your TV audio, Blu-Ray, media players and more. Also use it to input high-resolution sound from an audio source on your computer.

Main Transformer with Individual Wiring

To eliminate interference and maintain exceptional sound quality, the main power transformer of the PMA-800NE has separate coiled wires for the audio and control circuits. An integrated micro-processor features Stop Mode for even greater sound quality while you listen.

Micro-processor Stop Mode

The micro-processor of the PMA-800NE features a Stop Mode that automatically ceases all operations of the micro-processor when it's not needed for playback. By stopping the oscillation of the micro-processor clock during these listening moments, the audio signal is protected from external noise and enhances sound quality.

Signal Level Divided Construction (S.L.D.C.)

The Signal Level Divided Construction (SLDC) chassis developed by Denon is used in the audio circuit to ensure that delicate musical signals are faithfully amplified and transmitted to the speakers. Listen with exemplary quality, every time.

100+ Years of Firsts in Audio Technology

Founded in 1910, Denon has a deep heritage of “firsts” in audio technology — from Japan’s first audio electronics manufacturer, to producing the world’s first commercial CDs. This focused investment in audio R&D ensures you get the latest technology and highest quality with every listening experience.



Technical Information	
Power Amplifier Section	
Rated output	50 W + 50 W (8 ohms, 20 Hz - 20kHz, THD 0.07%) 85 W + 85 W (4 ohms, 1kHz, THD 0.7%)
Total harmonic distortion	0.01% (8 ohms, 1kHz)
Preamplifier Section	
Input sensitivity/impedance	105 mV / 17 kohms (CD. SOURCE DIRECT: 0n)
Frequency response	5 Hz - 100kHz – 0, -3 dB
S/N Ratio	Phono MM 86 dB Phono MC 71 dB
General	
Power Supply	AC 120 V, 60Hz

Power Consumption	200 W
Standby Consumption	0.3 W
Dimensions (W x H x D)	17.0 x 4.8 x 12.0 in
Weight	16.5 lbs
Ports (IN)	
Phono	x 1
CD	x 1
Network	x 1
AUX	x 1
Recorder (Playback)	x 1
Ports (OUT)	
Recorder (REC)	x 1

UPC	
PMA800NEBKE3	883795004534
Color	Black

Complementary Products



DCD-800NE CD Player



DNP-800NE Network Audio Player

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