

DENON®



DENON PMA-1700NE

Denon PMA-1700NE Integrated Amplifier with 140W Power per Channel

With ultra-high current single push-pull circuit power and Advanced AL32 Processing, the Denon PMA-1700NE retains the detail of the original recording. Listen to your favorite music via the two digital inputs, a rear USB-B input, MM or MC phono equalizer—or go analog with the included DAC mode.

HIGHLIGHTS

YOUR BENEFITS

High-power 140W integrated amplifier

Drive your loudspeakers with 140 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 AL32 Processing Plus

Advanced AL32 Processing Plus supports high-resolution 384-kHz/32-bit audio sources. The algorithms restore information that was lost during the digital recording to ensure detailed playback.

USB-DAC

To accurately synchronize digital circuits, the PMA-1700NE provides USB-DAC functions that support high resolution up to 11.2-MHz DSD and 384-kHz/32-bit PCM input signals. Crafted with exceptional quality, the DAC suppresses jitter and ensures optimal precision in D/A conversion.

High-precision electrical controls

The PMA-1700NE embraces electrical volume, balance, and tone controls while preserving the analog feeling of operation. The unique mechanism offers smooth, linear control.

MM and MC phono equalizer

The PMA-1700NE includes a phono equalizer that supports input from both MM and MC cartridges. The simple, straightforward design significantly improves sound quality.

Optical and coaxial digital inputs

The PMA-1700NE features two optical inputs and one coaxial input and supports PCM signals up to 192 kHz/24 bit.

External pre-amp input terminals

“EXT/PRE” input terminals are fixed gain inputs that can be used for connecting an external pre-amp using the PMA-1700NE as a power amp.

TV auto standby (digital input)

The PMA-1700NE includes autosensing to automatically switch the unit on when it senses a digital audio signal from an external source like your TV.

Six-block chassis configuration and direct mechanical ground construction

Constructed with 1mm-thick steel plates and made of ABS resin with rigid rib construction, the chassis protects the signal circuits from external vibration and eliminates adverse effects of mutual interference among the circuits.

Digital isolator

Equipped with a high-speed digital isolator, the PMA-1700NE eliminates adverse effects on sound quality caused by high-frequency noise from a USB-connected computer or digital inputs.

Analog mode

Analog mode can be used to turn off power to digital power sources and completely stop operation of the digital input circuitry, avoiding any high-frequency influence on the analog section.

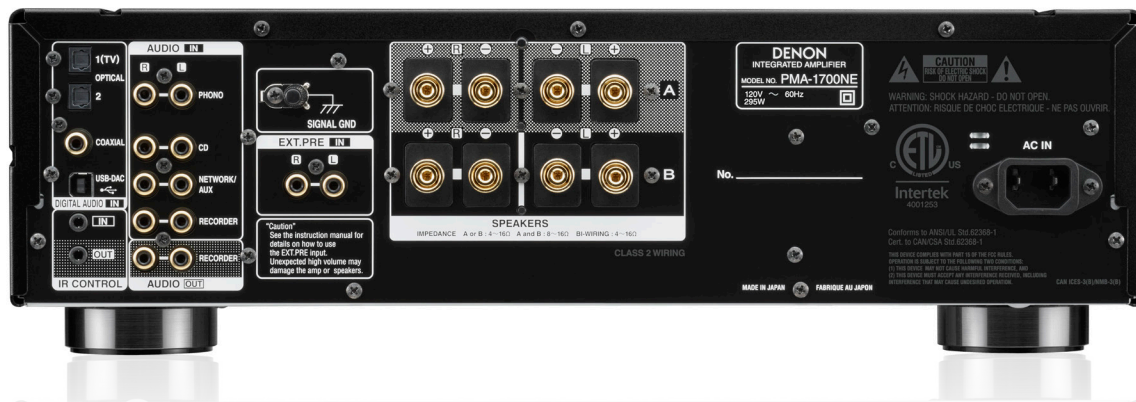
SINCE 1910 | DEFINING AUDIO EXCELLENCE

ADVANCED
ULTRA HIGH CURRENT MOS



ADVANCED
AL32 PROCESSING
PLUS





Advanced ultra-highcurrent (UHC) single push-pull amplifier
Wide bandwidth captures everything from deep bass to detailed highs. The UHC design ensures drivability of a wide range of speaker types and impedances.

Hi-Res Audio certified
Able to decode high-resolution audio ALAC, FLAC, and WAV lossless files up to 24-bit/192 kHz, as well as DSD 2.8MHz and 5.6MHz tracks (the audiophile format of SACD), PMA-1700NE lets you enjoy each note exactly as the artist intended.

Advanced AL32 Processing Plus
Advanced AL32 Processing Plus uses data interpolation algorithms, which support highresolution 384 kHz/32-bit audio sources. The algorithms add in the points that should exist before and after large quantities of data, smoothing out the waveform and restoring information that was lost during the digital recording. The resulting playback is highly detailed, free of interferences, richly expressive in the lower range, and beautifully faithful to the original sound. Hear your favorites like never before.

Built-in phono equalizer
Denon is well known for high-quality vinyl playback. The built-in phono equalizer allows direct connection to a turntable and supports input from MM cartridges. Some models also support input from MC cartridges.

Digital inputs
The amplifier features optical and coaxial digital inputs supporting PCM signals up to 192 kHz/24 bit to improve the sound quality of your TV audio, Blu-Rays, media players, computer, and more.

110+ 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

General	
Unit (W x H x D mm)	434 x 135 x 410
Net weight	17.6kg
Heatsink for Power Amplifier	Extruded Aluminum

Specifications		
Audio	Rated Output Power	70W + 70W (8ohm, 20Hz-20kHz, THD0.07%) 140W + 140W (4ohm, 1kHz, THD0.7%)
	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	125 mV / 19 kohm
	Input Sensitivity: Power Amp input	0.85V / 47kohm (EXT. PRE)
Power Consump.	Power Consumption	295W
	at Standby	0.2W TV autoplay off 0.4W TV autoplay on

Audio Feature		
Analog Audio	Power Amplifier Circuit	New UHC-MOS Single Push Pull (7)
	Pre Amplifier Circuit	Variable Gain Preamplifier (OP AMP)
	Bass / Treble / Mid / Balance Control	Yes / Yes / - / Yes
	Source Direct	Yes
Digital Audio	Analog Amp Mode	Yes (button on front panel)
	DAC Circuit	PCM1795
	Digital Processing	Advanced AL32 Processing Plus
	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 (PHONO / CD / NETWORK, AUX/ RECORDER)
	Optical input / output (Maximum Support)	2 / 0 (192kHz/24bit)
	Coaxial input / output (Maximum Support)	1 / 0 (192kHz/24bit)
	Speaker Terminal	Gold Plated
Control /other	Headphone Output	1 (Turn off the speaker when inserting headphone)"
	Remote Control --> RC-1249 Remote Control Bus Terminal	Yes
Network	Wi-Fi	No
	HEOS	No
USB B	USB B (USB DAC)	1 (Rear)
	PCM Sample Rate	~384kHz/32bit
	DSD Audio Streaming (DoP)	~11.2MHz