

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 Plus, the Denon PMA-1700NE retains the detail of the original recording. Listen to your favourite music digital via the three digital inputs or a rear USB-B input—or go analogue with MM or MC phono equalizer and the dedicated Analog 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 digital audio sources up to highresolution of 384-kHz/32-bit. The algorithms restore information that was lost during the digital recording to ensure detailed playback.
USB-DAC	PMA-1700NE provides USB-DAC function that supports high resolution audio signals up to 11.2-MHz DSD and 384-kHz/32-bit PCM. These digital signals with suppressed jitter will get passed on to the high quality DAC for an optimal D/A conversion with highest precision.
High-precision electrical controls	The PMA-1700NE embraces electrical volume, balance, and tone controls while preserving the analogue feeling of operation. The unique mechanism offers smooth, linear control. A Source Direct function passes by all tone control for purest audio.
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 damping feet 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 and completely stop operation of the digital input circuitry, avoiding any highfrequency influence on the analogue section.

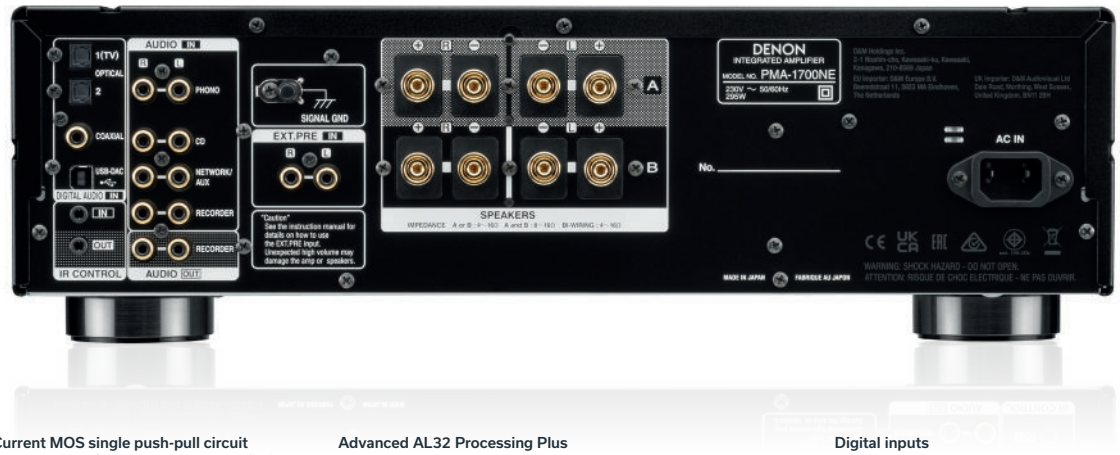
SINCE 1910 | DEFINING AUDIO EXCELLENCE

ADVANCED ULTRA HIGH CURRENT MOS

Hi-Res AUDIO

ADVANCED AL32 PROCESSING PLUS

USB-B / PC DIRECT



Advanced Ultra High Current MOS single push-pull circuit
Wide bandwidth captures everything from deep bass to detailed highs. The UHC (Ultra High Current) 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 supports digital audio sources up to high-resolution 384-kHz/32-bit. 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 favourites like never before.

Built-in phono equalizer
Denon is well known for highquality 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-ray, 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)
	Signal to Noise Ratio	PHONO (MM): (89dB) PHONO (MC): (74dB) CD: (107dB)
Power Con-sump.	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
	Pre Amplifier Circuit	Variable Gain Preamplifier (OP AMP)
	Bass / Treble / Mid / Balance Control	Yes / Yes / - / Yes
	Source Direct	Yes
	Analog Amp Mode	Yes
Digital Audio	DAC Circuit	PCM1795
	Digital Processing	Advanced AL32 Processing Plus
	DAC Master Clock Design	Yes
	Asyncronous mode (for USB-B input)	Yes

Connectivity

Audio Video	Phono Input	Yes (MM / MC)
	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
	Headphone Output	1 (Turns off the speakers when inserting headphone)
Control /other	Remote Control --> RC-1249 Remote Control Bus Terminal	Yes
USB B	USB B (USB DAC)	1 (Rear)
	PCM Sample Rate	~384kHz/32bit
	DSD Audio Streaming (DoP)	~11.2MHz