

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 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



ADVANCED  
AL32 PROCESSING  
PLUS





#### 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 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-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		Connectivity			
Unit (W x H x D mm)	434 x 135 x 410	Phono Input	Yes (MM / MC)		
Net weight	17.6kg	Analog Input (include Phono) / REC Out (RCA)	4/1 (PHONO / CD / NETWORK, AUX/ RECORDER)		
Heatsink for Power Amplifier	Extruded Aluminum	Optical input / output (Maximum Support)	2 / 0 (192kHz/24bit)		
<b>Specifications</b>		Coaxial input / output (Maximum Support)	1 / 0 (192kHz/24bit)		
Audio	Rated Output Power	70W + 70W (8ohm, 20Hz-20kHz, THD0.07%)	Speaker Terminal	Gold Plated	
	Total Harmonic distortion	140W + 140W (4ohm, 1kHz, THD0.7%)	Headphone Output	1 (Turns off the speakers when inserting headphone)	
	Input Sensitivity: Phono input	0.01 % (Rated output: -3 dB), 8 ohm/ohms, 1 kHz"	Control /other	Remote Control --> RC-1249 Remote Control Bus Terminal	Yes
	Input Sensitivity: CD/LINE/RECORDER	MM: 2.5 mV / 47 kohm MC: 200 μV / 100 ohm	USB B	USB B (USB DAC)	1 (Rear)
	Input Sensitivity: Power Amp input	125 mV / 19 kohm	PCM Sample Rate	~384kHz/32bit	
	Signal to Noise Ratio	0.85V / 47kohm (EXT. PRE)	DSD Audio Streaming (DoP)	~11.2MHz	
Power Consumption	Power Consumption	PHONO (MM): (89dB) PHONO (MC): (74dB) CD: (107dB)			
	at Standby	295W			
		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 Preamp (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
	Asynchronous mode (for USB-B input)	Yes