

# PMA-520AE

INTEGRATED AMPLIFIER

# DENON



Premium Silver



Black

saving energy  
consumption  
eco friendly

*High Current*  
SINGLE PUSH-PULL CIRCUIT

**SLDC**  
SIGNAL LEVEL LIMITED CONSTRUCTION

## INTEGRATED AMPLIFIER WITH ENHANCED AUDIO DYNAMICS.

The PMA-520AE integrated amplifier features a High-Current Single-Push-Pull circuitry to achieve both strength and detail in music playback, which is Denon's focus for its pure audio amplifiers.

The relay switch used for CD and Phono input contains an inert gas to prevent the occurrence of noise that can negatively affect the signal. In addition, durable parts strictly selected for their

contribution to sound quality, such as the large-capacity block capacitor for the power supply circuit, high-quality sound carbon resistors, and high-quality sound capacitors, are also used. Each individual part employed in configuring the circuits reflects this emphasis on high fidelity. For improved convenience, the remote control unit that comes with the PMA-520AE includes the main functions that control Denon CD players.

### High Current (HC) Single-Push-Pull Circuit for musical detail and power

The PMA-520AE incorporates HC transistors with 2 to 3 times the electrical current supply capability of conventional power transistors for audio. Denon's acclaimed HC Single-Push-Pull Circuit has been inherited from its high-end models which, together with a fully discrete amplifier design, produces a powerful sound filled with beautiful musical details.

### High-speed, high-capacity power supply circuit for HC Single-Push-Pull

The PMA-520AE's power circuit uses a block capacitor that Denon engineers have jointly developed with a parts manufacturer and a Schottky barrier diode that features low internal resistance for low loss, short recovery time, and negligible rectifying noise. This highly stable electrical current supply further brings out the expressive power of sound produced by the HC Single-Push-Pull Circuit.

### Wide dynamic range, supporting high-grade audio sources

The PMA-520AE's tone control and power amplifier circuit have been carefully adjusted to secure a frequency response of up to 100 kHz during actual use. Also, improvements in the volume circuit suppress noise in the amplifier to achieve high sonic resolution. These features and others give the PMA-520AE plenty of latitude to handle the wide dynamic range of high-grade audio sources such as Super Audio CD and DVD-Audio.

### Main transformer with separate power supplies for analogue

The coiled wire within the power transformer for the audio signal and control circuits has been separated to eliminate mutual interference and adverse influences on sound quality. The PMA-520AE also has a separate transformer to minimize power consumption when in "standby". Ensuring a more environmentally friendly design.

### Ideal completion



DCD-520AE  
CD Player



DNP-720AE  
Network Audio Player



DP-200USB  
Fully automatic record player

### NEW FEATURES

- Improved sound quality
- Newly-designed system remote control
- ECO friendly with low power consumption in stand by and auto power off
- New higher quality speaker terminals

### STATE-OF-THE-ART DENON SOLUTIONS FOR MAXIMISING CONTENT QUALITY

- 70 W x 2 ch (4 ohms)
- High Current (HC) Single-Push-Pull Circuit
- Wide dynamic range, supporting high-grade audio sources
- Main transformer with separate power supplies
- Micro-processor stop mode
- Vibration-resistant design with Direct Mechanical Ground Construction
- European sound-tuned
- Phono Equalizer Amp (MM)
- Aluminium front panel

### EASE-OF-USE

- ECO friendly with low power consumption in stand by and auto power off
- Remote also controls Denon CD players and network players
- Front panel layout, designed for ease of use

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- \* Product available in Black and Premium Silver
- \* All specs can be subject to change

EAN			
EU	PMA520AEBKE2	4582116367650	Black
	PMA520AESPE2	4582116367667	Premium Silver
UK	PMA520AEBKE2GB	4582116367650	Black
	PMA520AESPE2GB	4582116367667	Premium Silver



### Technical information

<b>Power amplifier section</b>		<b>Signal-to-noise ratio (IHF A network)</b>	
Rated output	70 W + 70 W (4 ohms, 1 kHz, THD 0.7%) 45 W + 45 W (8 ohms, 20 Hz - 20 kHz, THD 0.07%)	Line	105 dB (Source Direct: ON)
Total harmonic distortion	0.02% (8ohms, 1 kHz)	Phono (MM)	84 dB
<b>Preamplifier section</b>		<b>Tone controls</b>	
Phono equalizer rated output	150 mV (REC out terminal)	Bass	100 Hz, ±8 dB
<b>Input sensitivity / Impedance</b>		Treble	10 kHz, ±8 dB
Line	100 mV/47 kohms (Source Direct: OFF) 100 mV/16 kohms (Source Direct: ON)	<b>General</b>	
Phono	2.5 mV/47 kohms	Power supply	AC 230 V, 50 Hz
<b>RIAA deviation</b>		Power consumption	185 W (Stand-by: less than 0.3 W)
Phono	20 Hz - 20 kHz, ±0.5 dB	Dimensions (W x H x D)	434 x 121 x 307 mm
		Weight	6.8 kg

### Ports

<b>IN</b>	Phono (MM)	x 1
	CD	x 1
	Tuner	x 1
	Line	x 1
	NETWORK	x 1
	Recorder (Playback)	x 1
<b>OUT</b>	Recorder (REC)	x 1
<b>OTHER</b>	AC outlet	x 1