

# PMA-720AE

INTEGRATED AMPLIFIER

# DENON



Premium Silver



Black

saving energy  
consumption  
eco friendly

ADVANCED  
*High Current*  
SINGLE PUSH-PULL CIRCUIT

SLDC  
SIGNAL LEVEL DIVIDED CONSTRUCTION

## MID-RANGE INTEGRATED AMPLIFIER INCORPORATING DENON CORE ELEMENTS OF PERFECT SOUND REPRODUCTION

The PMA-720AE is equipped with an Advanced HC (High-Current) Single Push-Pull Circuit that enforces Denon's design concept for pure audio amplification. This design ensures that you hear delicate musical details, reliably supported by plenty of power. Playback faithful to the original sound is also made possible by

a circuit board layout that can handle the greater power from the amplifier section and appropriately respond to the output level and unique character of the signal. In addition, the internal construction of the PMA-720AE has been carefully designed to prevent unwanted vibration from adversely affecting the audio signal.

# FEEL IT

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

The PMA-720AE incorporates AHC transistors with 2 to 3 times the electrical current supply capability of conventional power transistors for audio. Denon's acclaimed AHC Single-Push-Pull Circuit has been inherited from its high-end models which, together with a fully discrete amplifier design, produces a powerful sound field with beautiful musical details.

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

The PMA-720AE'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 AHC Single-Push-Pull Circuit.

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

The PMA-720AE'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-720AE plenty of latitude to handle the wide dynamic range of high-grade audio sources such as BD, Super Audio CD and DVD-Audio.

### NEW FEATURES

- Improved sound quality
- Newly-designed system remote control
- Advanced High Current (AHC) Single-Push-Pull Circuit
- ECO friendly with low power consumption in stand by and auto power off
- New higher quality speaker terminals – two pairs

### Main transformer with separate power supplies for audio and control circuits

The main power transformer has separate coiled wires for the audio and control circuits. The separate power supplies and divided circuitry layout work together to eliminate mutual interference and thoroughly preserve sound quality. Micro-processor stop mode, for higher sound quality.

### The Micro-processor

Stop Mode automatically stops all operations of the micro-processor when it is not needed during playback. By stopping the oscillation of the microprocessor's clock during normal listening, the audio signal is protected from noise and the quality of sound is improved.

### Newly-designed remote unit

The PMA-720AE's system remote controls the main volume, function switching, muting, and remote power on/off (linked with an AC outlet). The system remote also controls Denon CD players and Network Player.

### PRE OUT jack, for future upgrades

The PMA-720AE is equipped with a PRE OUT jack that allows the connection of a high-output power amplifier or subwoofer in future system upgrades.

### Complementary products



DCD-720AE  
CD Player



DNP-720AE  
Network Audio Player



DP-200USB  
Fully automatic record player

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

- 85 W x 2 ch (4 ohms)
- Advanced High Current (AHC) 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	PMA720AEBKE2	4582116367711	Black
	PMA720AESPE2	4582116367735	Premium Silver
UK	PMA720AEBKE2GB	4582116367711	Black
	PMA720AESPE2GB	4582116367735	Premium Silver



### Technical information

<b>Power amplifier section</b>	
Rated output	50 W + 50 W (8 ohms, 20 Hz - 20 kHz, THD 0.07 %) 85 W + 85 W (4 ohms, 1 kHz, THD 0.7%)
Total harmonic distortion	0.01% (8ohms, 1 kHz)
<b>Preamplifier section</b>	
Input sensitivity/impedance	120 mV / 47 kohms
Frequency response	10 Hz - 100 kHz — +1, -3 dB (DIRECT mode)
S/N Ratio	107 dB (IHF-A weighted, DIRECT mode) Line 107dB Phono 86 dB

<b>General</b>	
Power supply	AC 230 V, 50 Hz
Power consumption	200 W (Standby 0.3 W, CEC standby 3 W)
Dimensions (W x H x D)	434 x 121 x 308 mm
Weight	7.1 kg

### Ports

<b>IN</b>	Phono (MM)	x 1
	CD	x 1
	Tuner	x 1
	AUX	x 1
	Recorder (Playback)	x 1
<b>OUT</b>	Recorder (REC)	x 1
	Preout	x 1
<b>OTHER</b>	AC outlet	x 3