



## PMA-60

HI-FI-QUALITY STEREO AMPLIFIER WITH USB-DAC AND BLUETOOTH

# ADVANCED DIGITAL STEREO AMPLIFIER WITH APPEALING DESIGN AND COMPACT SIZE

### HIGHLIGHTS

High quality sounding, Lifestyle design Stereo Amplifier  
2x 50 W Digital Amplifier with latest DDFA Technology  
Best matching with Denon DCD-50 CD Player  
USB-B input for high-resolution audio from a Computer  
Unique Denon Advanced AL32 Processing  
Bluetooth® aptX® Low Latency CD quality streaming with NFC pairing  
Digital optical/coaxial and analogue inputs  
Subwoofer pre-output for system expansion  
Dedicated headphone amplifier circuit  
Horizontal or vertical placement with rotating display  
High quality finish remote control  
Auto Standby and low power consumption at stand-by 0.2 W

### YOUR BENEFITS

True Denon sound from a compact form factor  
High efficiency and lower distortion for better sound  
Create a true stereo system with matching lifestyle design  
Supports files up to 384 kHz / 32 bit and even 11.2 MHz DSD  
Digital recordings beautifully faithful to the original sound  
Comfortable music streaming from your smartphone with quick connection  
Easily connect your TV, CD Player, streaming client or set-top-box  
Ready for even more bass  
Private listening in high-quality  
Fits simply anywhere in your living room or home office  
Controls PMA-60 and DCD-50 as well  
Efficient and energy conscious construction



Qualcomm® aptX™  
low latency



DDFA®

ADVANCED AL32 PROCESSING

[www.denon.eu](http://www.denon.eu)

Real Hi-Fi in an essential style

The Design Series is all about superb sound – and maximum style. Only with Denon’s sophisticated digital technology, and over a century of audio engineering expertise, has it been possible to combine all that performance with a compact and truly unique design. Look at the Design Series, and you’ll agree it lacks nothing, combining beauty and performance. Listen to the Design Series, and prepare to be amazed.

Originating from over 100 years of precise audio reproduction

For more than a century, we’ve been very serious about engineering the perfect sound – that’s why, in the early years, we called our Hi-Fi products “precision audio components”. And our approach hasn’t changed since: it’s all about performance. With this in mind, we decided that, though our latest products should be compact, and with remarkably sleek styling, they should be true high fidelity components. In other words, they should be totally Denon. Introducing the Denon Design Series: Real Hi-Fi For Today’s Lifestyles.

Digital Integrated Stereo Amplifier

The PMA-60 amplifier delivers true Denon sound, with outstanding performance despite its compact size. And it does so using Denon technology developed over many years, such as the Advanced AL32 audio processing it uses to turn digital data into beautiful music. With analogue and digital connectivity as well as Bluetooth®, audio streaming from your computer or a portable device is a piece of cake. And if you’re keen on high-resolution audio, this amp will be your perfect choice because of its USB-B input. Its 50W per channel output makes it suitable for a wide range of speaker types. Its compact design allows it to fit in limited spaces and you can even place the PMA-60 vertically – the orientation of the OLED display will adjust accordingly.

Powerful and detailed sound

The advanced amplifier section incorporates Qualcomm DDFA® technology for a amazing sound from a compact form factor. The output stage circuit has a discrete construction which realizes higher Signal-to-Noise-ratio and lower distortion compared to conventional class D amplifiers. This advanced amplifier system delivers superior audio fidelity along with high amplifier efficiency at 50W into 4 ohms. The premium grade multi-way speaker connectors let you connect speaker cables via bare wire, pin connectors as well as banana plug connectors.

Unique Denon Audio Processing

For the ultimate fidelity with your favourite digital audio tracks, the PMA-60 features Denon’s Advanced AL32 digital audio processing system. Featured on Denon’s premium audiophile disc players and digital audio components, Advanced AL32 processing upconverts, digitally filters and noise-shapes lower bit data to full 32-bits, delivering remarkable dynamic range and noticeably better low level resolution. Your digital audio tracks have never sounded better.

High Resolution Audio via your Computer

Via the USB-B input on the back panel, you can connect your Mac or PC to the PMA-60 and enjoy high resolution audio tracks. The PMA-60 can play high resolution PCM files of up to 32-bits/384-kHz along with high resolution DSD 2.8 MHz, 5.6 MHz and even 11.2 MHz files (DSD is the advanced digital audio coding system of SACD). A USB-A to USB-B cable is included. To eliminate induced digital noise via the USB input, the PMA-60 features a dedicated noise isolation block prior to the digital amplifier that prevents digital noise from degrading the audio fidelity.

Bluetooth with NFC and aptX Low Latency

Stream your favourite audio tracks from your portable devices via the PMA-60’s Bluetooth connectivity, which features quick and easy pairing via the Bluetooth button on the front panel. For even faster pairing, the PMA-60 features NFC (Near Field Communication). Simply activate your NFC-enabled Bluetooth device and place it next to the N mark on the PMA-60 (located on the side panel), and it’s instantly paired with no need for manual passcode entry. For CD-quality audio playback, the PMA-60 features the latest generation Qualcomm aptX Low Latency decoding, which also provides optimum time synchronization when playing back audio from video sources with no lip sync issues.

High quality headphone output

For top audio fidelity the PMA-60 is equipped with a dedicated headphone amplifier circuit that features a high speed ultra low distortion wideband op amp that’s paired with a fully discrete final output stage. In order to accommodate the widest range of headphone types, the PMA-60 features an adjustable headphone impedance control, with 3 settings for low, medium and high impedance headphones which provide proper matching of headphone impedance and amplifier gain. The headphone jack features a 6.3mm connector for compatibility with premium home and professional studio headphone models

Pure class elegantly designed

The Denon Design Series stands out, thanks to its combination of soft-look aluminium, bright silver tone accents and a mixture of glossy and matt black surfaces. Crisp OLED displays tell you all you need to know at a glance, using icons and text. And the PMA-60 and DCD-50 make a real statement also when used horizontally or vertically.



| Technical information          |                                              |                               |                          |
|--------------------------------|----------------------------------------------|-------------------------------|--------------------------|
| Power amplifier section        |                                              | Bluetooth                     |                          |
| Number of power amps           | 2                                            | Compatible Bluetooth profiles | A2DP/AVRCP               |
| Power output                   | 50 W + 50 W<br>(4 ohms, 1 kHz, T.H.D. 0.7 %) | Supported codecs              | aptX low latency/AAC/SBC |
| Speaker impedance              | 4 - 16 ohms                                  | NFC Bluetooth pairing         | x 1                      |
| USB-B Audio Streaming          | PCM384/32, DSD2.8, DSD5.6, DSD11.2           | Multi-pairing                 | 8                        |
| Sample Rate digital In         | PCM 192/24                                   | Multi point                   | 3                        |
| Computer noise isolation block | x 1                                          | General                       |                          |
| Advanced AL32 Processing       | x 1                                          | Power supply                  | AC 230 V, 50 Hz          |
| DAC Master Clock Design        | x 1                                          | Power consumption             | 35 W (Standby 0.2 W)     |
| Dual Clock (44.1/48)           | x 1                                          | Dimensions (W x H x D)        | 200 x 86 x 240 mm        |
|                                |                                              | Weight                        | 2.7 kg                   |

| Ports |                          |     |
|-------|--------------------------|-----|
| IN    | Digital Optical          | x 2 |
|       | Digital Coaxial          | x 1 |
|       | USB-B                    | x 1 |
|       | AUX in                   | x 1 |
| OUT   | Subwoofer pre out        | x 1 |
|       | Speaker output terminals | x 2 |
|       | Headphones               | x 1 |

|     |             |               |                |
|-----|-------------|---------------|----------------|
| EAN | PMA60SPE2   | 4951035061251 | Premium Silver |
| UK  | PMA60SPE2GB | 4951035061268 | Premium Silver |

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