

2-channel Power Amplifier

DENON

POA-5200

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DENON ELECTRONICS
A DIVISION OF DENON CORPORATION

THX Ultra Certified 2-channel Power Amplifier.

The POA-5200 dual monaural power amplifier provides superb stereo reproduction, and is an ideal choice for adding additional amplifier channels to a multi-channel system. For example, when combined with Denon's AVR-4800 THX Surround EX A/V receiver, the POA-5200 can be used as the stereo front channels (left and right) amplifier, or the surround center back channels amplifier. The POA-5200 meets Lucasfilm's stringent THX Ultra certification requirements, and provides 120 watts of power per channel, RMS into 8 ohms, and 200 watts of power per channel, RMS into 4 ohms.



■ THX Ultra Certified

Lucasfilm's stringent THX Ultra certification for power amplifiers includes dozens of tests and specification requirements, all to ensure accurate reproduction of motion picture soundtracks and musical performances. All aspects of power amplifier performance are thoroughly verified, to ensure inaudible noise, wide dynamic range, extended frequency response with accurate spectral response, and the ability to drive any modern loud-speaker regardless of impedance or efficiency.

■ Dual Monaural Configuration

Unlike conventional stereo power amplifiers, which rely upon a shared power supply for both amp channels, the POA-5200 features Denon's perfect Dual Monaural Configuration, with a separate high current power transformer and DC storage supply section for each amplifier channel. This provides the widest dynamic range, along with tremendous reserve capacity, compared to conventional stereo amplifiers.

■ Stabilized DC Characteristics

The use of a FET for difference input of one package type with superior direct current (DC) temperature characteristics and the ability to fine-adjust each channel individually have realized a high precision of 1 mV or less (standard value) in the output DC voltage of the POA-5200. This high-precision voltage is approximately one tenth that of conventional models and is the main reason these models are able to reproduce low-level signals with such exceptional fidelity.

■ A-B Speaker switching for each channel

One or two pairs of speakers can be connected to the POA-5200, and each pair can be activated or deactivated via front panel A-B speaker switching. Both pairs can be driven at once, if desired.

■ Strictly Selected Parts for High Sound Quality

A large number of high-performance parts, such as the electrolytic capacitor customized for high sound quality, OFC wiring material, film capacitor and resistors, have all been subject to stringent listening tests during their selection process to ensure unfettered, high-grade sound reproduction.

■ Remote Power ON/OFF

Rear panel mounted remote power on/off terminals are provided, for connection to Denon components such as the AVR-4800, for one-button power turn-on and turn-off convenience. This allows the power amplifier to be mounted in an out-of-the-way location, thereby saving valuable shelf space for more importantly accessible source components, for example.

Specifications

Rated output	120 W (8 ohms, 20 Hz - 20 kHz, THD 0.02 %)
	200 W (4 ohms, 1 kHz, THD 0.5%)
Total harmonic distortion.....	0.008 % (-3 dB at rated output,
	8 ohms, 20 Hz - 20 kHz)
Inter modulation distortion.....	0.002 % (60 Hz/7 kHz :
	4/1 at rated output, 8 ohms)
Frequency response	1 Hz - 100 kHz +0, -3 dB (at 1 W)
Input sensitivity	1.1 V
Input impedance	47 kohms
Output impedance.....	0.1 ohms (1 kHz)
Signal-to-noise ratio	110 dB (IHF, A-weighting)
Speaker.....	A or B 4 ohms - 16 ohms
	A + B 8 ohms - 16 ohms
Power supply	AC 120V, 60 Hz
Power consumption	4.7 A
Dimensions	434 (W) x 135 (H) x 353 (D) mm
	17.1"(W) x 5.3"(H) x 13.9"(D)
Weight.....	12.3 kg, 27.1 lbs

*Design and specifications are subject to change without notice.

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