

marantz®

Integrated Amplifier

PM4001



Also black available

PM4001 Integrated amplifier

The Marantz PM4001 integrated amplifier offers music enthusiasts uncompromising high sound quality and flexibility without the high price. The perfectly balanced stereo sound reproduction is based on a symmetrical circuit architecture, which mirrors signal paths in the left and right channels. Superb sonic performance is delivered via two pairs of loudspeaker outputs, giving you a choice of driving separate speakers for multi-room systems, or minimizing crossover distortion by independently driving bass and tweeter units. The metal chassis and solid metal front panel provide a rigid base for high quality performance. The 2 x 30 watts amplifier (into 8 ohms) also features D-Bus to ensure that your Marantz devices can be controlled with a single system remote. The phono input doesn't come standard in his class and makes the PM4001 even more valuable.

NEW



R A N G E S E R I E S

because music matters

Features

- Solid metal front and rigid chassis construction
- Output power 2 x 30 Watts
- Full recording out selector
- Tone control & loudness function
- Tone defeat circuit
- Symmetric circuit architecture
- Two pairs of speaker outputs
- D-Bus & system remote control

Benefits

- Minimizes mechanical vibrations which can disturb the sensitive audio signal
- Sufficient real power capability to fill the room with musical enjoyment
- Listen to one source while recording from another
- Allows tonal adjustment to personal taste
- Bypasses the tone control circuitry to ensure the purest sound quality
- Two times identically lay out symmetric audio circuit boards secure precise stereo imaging
- For bi-wired connection of loudspeakers, or for multiroom applications
- Flexible system integration and total control via one system remote

Technological glossary:

Aesthetic amplification

With its slim design and nice looking metal front panel, the PM4001 fits in every environment and system configuration. This amplifier is fully equipped with all features one might require from an integrated amplifier. The symmetric PCB construction ensures good quality stereo imaging and tonal accuracy. In their drive for perfection, our engineers have pushed their limits and have succeeded in further improving the sound quality of the PM4001. We have in addition taken the opportunity to make this Marantz amplifier more environmental friendly when disposed of. The PM4001 is the best choice for a cost-conscious music enthusiasts stepping up to Marantz magic.

Symmetric circuit architecture

To achieve the best possible sonic performance, signal paths need to be short, direct and mirror imaged. The construction of our circuitry provides improved stereo image by ensuring symmetry between right and left channel layout. The tone defeat circuit will insure shortest signal paths by passing tone control board completely. The rigid chassis, solid metal construction and solid metal front create an anti-resonant environment.

High grade components

Every Marantz product is designed with a fine ear and eye for details. The designers have to know the characteristics of every component. On paper the component might look excellent but the result may fall short of the combined design expectations. Therefore Marantz collects vast amounts of information upon specific component performance capabilities. The result guarantees Marantz selects the appropriate components for the specific design application. The sonic result is critically acclaimed by international reviewers.

Two pair of speaker outputs

In not all domestic environments the availability of one speaker system is sufficient. The PM4001 is equipped with the possibility to connect 2 pairs of loudspeakers. The speaker systems can be switched on and off by simply selecting the speaker system on the front of the amplifier. Another option for the second speaker connection is to provide a bi-wired connection for your main loudspeakers. By doing so, this provides each loudspeaker drive unit (bass driver and tweeter unit) to have a separate and direct connection to the amplifier. This reduces any influence the internal cross-over may exert upon the music. In effect each drive unit has a separate and independent filter network eliminating all crossover distortion.

In control of the system

To optimize equipment in terms of ease of use, Marantz has designed the D-Bus system. Individual devices inform each other, in order to automatically tune to the customers demands. At the same time received remote control commands are communicated via this bus. This enables equipment without IR-receiver, like a cassette deck or tuner, to be controlled via the bypacked Marantz System Remote Controller.

Environmental friendly

Every electronic equipment product is built of single electrical components that are made of different material and substances. Marantz assure that the components used in our products are free of any dangerous material or substance to keep our environment clean. We have for example removed hazardous substances like lead in the solder.

Bypacked accessories

- User manual
- Remote control
- Batteries

RC4001PM



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FEATURES	INPUTS/OUTPUTS	GENERAL
Channels	2	6
Current Feedback Topology	-	•/-
Class A Amplification	-	•
Linear Drive Power Supply	•	-
CCNE	-	RC4001PM
Linear volume control	-	-
Floating control bus system	-	System
Power Transformer: Super-ring / Toroidal / El	-/-/•	100 Watts
Choke input	-	•
Shottky diodes	-	-
HDAM: Standard / SA / SA2 / Current Feedback	-/-/-/-	-
HDAM cover: Gold plated / Copper plated / Metal / plastic / no shield	-/-/-/-	•
Input buffer amp (all inputs)	-	-
Construction: Twin mono / 3-Stage circuit	-/-	-
Symmetric PCB Layout	-	-
System block shielding: Copper / metal / none	-/-/-	-
Chassis : Die-cast / Copper plated / Metal	-/-/•	-
Double Layer Bottom Plate	-	-
High Grade Audio Components	•	-
Customised Components	-	80
BTL Possibility	-	-
Current Feedback phono equalizer	-	-
Balance / Bass / Treble / Loudness	•/•/•/•	150mV / 20kOhm
Source Direct	•	•
Separate Solid Heat Sinks	-	105 dB
Speaker A/B	•	-
Record Selector: full / copy-source	•/-	80/- dB
Tape Monitor	•	-
Auto Power On/Off	-	-
Low noise LCD display	-	-
Temperature Gauge	-	-
Standby Mode	•	-
	SPECIFICATIONS	
	Power Output (8/4 Ohm RMS)	30/40 Watts
	Frequency Range	10Hz-30kHz (25W, 0.06%)
	Frequency	10Hz-50kHz (+0,-
	Response	1dB)
	Total Harmonic Distortion	0.005%
	Bridged Power Output (8 Ohm RMS)	-
	Damping factor	80
	Input Sensitivity: MM	2.5 mV / 47 kOhm
	Input Sensitivity: MC	-
	Input Sensitivity: High level	150mV / 20kOhm
	Signal to Noise Ratio: High level	105 dB
	Signal to Noise Ratio: MM/MC	80/- dB

Design and specifications are subject to change by Marantz without notice.

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