

marantz®

Integrated Amplifier

PM-11S1



Also gold available

PM-11S1 Integrated stereo amplifier

Derived from legends and build for the audiophile purists the PM-11S1 will leave you breathless. Every aspect of the design and construction of the PM-11S1 stereo amplifier has received our top engineers personal attention to attain uncompromised quality. The copper-plated chassis and rear panel reduce signal-degrading electromagnetic interference, while its rigid chassis and solid aluminum case virtually eliminate mechanical vibration. A 3-stage construction with full Current Feedback and with short, symmetrical signal paths, independent left and right heatsinks, and new Current Feedback HDAMs ensure dynamic sound and perfect stereo imaging. Its newly developed low impedance, wide-bandwidth power supply ensures a massive reserve of energy, to drive even difficult speakers with ease. A floating control bus provides the possibility to lift your experience from stereo to multichannel in combination with 2 additional amplifiers. To accommodate the ultimate audiophile requirement we have included a top quality MM/MC phono stage. The MC headamp employs the traditional HDAM and the MM is designed using the newly developed HDAM SA.

NEW



because music matters

Features

Benefits

- New premium design
 - Current feedback amplification
 - High quality linear volume control
 - Floating control bus
 - Current Feedback HDAMs
 - Customized components
 - Super Ring power transformer
 - Copper plated Chassis
 - Choke input power supply
- Contemporary balanced design with user-friendly button layout and LCD display
 - Excellent frequency response and superb sonic performance for the highest standard such as SACD
 - Wide bandwidth without degrading signal quality and dynamics
 - Audiophile multi channel upgradeability
 - Achieving a more dynamic, accurate and detailed sound reproduction regardless the amount of channels
 - For superb sound quality
 - Ultra low vibration and leakage flux keep the signal sharp and minimizes internal electro magnetic distortion
 - Copper shielding eliminates all possible radiation interference which can have a negative effect on the sound quality
 - Reduced rectifier harmonic noise

Technological glossary:

Pure audiophile enjoyment!

Derived from the super stereo kit the SC-7S1/MA-9S1 we have created an integrated amp with absolute audiophile performance. We think it's of the utmost importance to extend high frequency response as well as channel separation and eliminate cross talk so you can hear the true meaning of "Super Audio." This is why we have designed the input and output circuitries, volume control section, and power supply circuits according to this philosophy. The result, an astonishing channel separation. Even if amplifiers have the same power specifications, their performance may differ completely due to a difference in current delivery capability. The delivery capability of the amplifier depends on how instantaneous the current supply is. That's why the power supply for the PM-11S1 was completely revamped to give it a truly instantaneous current supply capability.

Choke input topology

In the power supply section, the choke input topology was adopted to drastically reduce rectifier harmonic noise. This system is especially suitable for a control amplifier in which very small signal amplification occurs.

Marantz' new HDAM SA

Only the best is good enough! In order to use equipment from several brands together in one system, the audio industry made a signal pre-out standard. To convert the audio signal to this specification, most audio device have been equipped with Opamps (operational amplifiers) for which integrated circuit are commonly used. Unfortunately these IC's do not match the very high requirements of Marantz. Marantz developed it's own discrete circuit boards. These HDAM's consists of discrete components with short mirror image L/R signal paths. These devices are doing exactly the same thing as the Op-amps, but outperform the regular integrated circuit Op-amps dramatically in terms of the Slew Rate, resulting in a much more dynamic, accurate and detailed sound. Developed for the SC-7S1/MA-9S1 we applied in the PM-11S1 a new Hyper Dynamic Amplifier Modules (HDAM), a separated module operating as a buffer for the amplifier. The PM-11S1 has HDAMs on each input-output buffer.

From stereo to multichannel

We make it possible to synchronously drive two or more amps by using a floating control bus system connected to as many as 3 sets of the PM-11S1 integrated amplifiers. We also enable you to trim levels using the remote control making it easy to set up the optimal sound field on a multi-channel configuration. You will experience superb sound with unbelievable channel separation.

Current Feedback amplification

Unlike conventional Voltage feed back amplification, the Current feedback amplification makes the power amplifier insensitive to difficult loudspeaker loads. In the PM-11S1 we reduced the feedback impedance of the Current Feedback circuit to its minimum to make it faster.

A touch of Marantz

The strength of each Marantz design can be found in the attention to detail and cohesiveness of the different elements. The PM-11S1 is a clear example of benchmark engineering, craftsmanship and a rich 50 year audiophile heritage and features a number of Marantz sound enhancements like Current Feedback topology amplification which makes the power amplifier in-sensitive to (difficult) loudspeaker loads. All of the pre-, power and volume control circuitries are separated and extensively shielded in their own enclosures to prevent cross-talk and other unwanted interference. Independent power supplies for the LCD display, pre, power and volume sections secure maximum separation, clarity and dynamics. Hand-selected high grade customized components, gold-plated terminals and a copper plated chassis all work in harmony. It employs an extensively braced and shielded, massive Super Ring power transformer in combination with customized oversized filter capacitors. This design configuration is capable of a clear and powerful reproduction of the most complex music pieces composed.

Ultra low impedance amplifier

The buffer amplifier's power supply block, which supports the high current delivery capability, uses a capacitance input system to realize very low impedance. The Super Ring power transformer, the low impedance electrolytic capacitor, the very large gauge cable, and the thick pattern PCB all contribute in supplying required power. The power supply of any amplifier is like the heart of the product and is therefore the most expensive to produce. The Super Ring power transformers have a higher efficiency than ordinary laminate designed transformers coupled with the advantage of extremely low electromagnetic radiation. Therefore noise and hum into surrounding circuitry is reduced to the absolute minimum. The sonic result speaks for itself.

High grade speaker terminals

WBT is a specialized company which is fully dedicated towards designing and producing high quality audio connectors. Their products are fully accepted as the reference for audiophile products. For this reason Marantz equips our premium products with WBT connectors.

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 amplifiers' System Remote Control.

Bypacked accessories

- User manual
- Power cable
- Remote control
- Batteries

RC-11PMS1 (no picture available)



(no picture available)

| FEATURES | | INPUTS/OUTPUTS | | GENERAL | |
|--|---------|---|------------------------|----------------------------------|-------------|
| Channels | 2 | Audio Inputs | 7 | Available colors: Platinum/Gold/ | •/•/- |
| Current Feedback Topology | • | Phono Input: MM/MC | •/• | Silver/Black | /- |
| Class A Amplification | - | Audio Outputs | 2 | Metal Front Panel | • |
| Linear Drive Power Supply | • | Balanced In/Out | •/- | Remote Control | RC-11PMS1 |
| CCNE | • | External Control In (Composite) | - | System Remote Function | System |
| Liniear volume control | • | Processor In/Out | - | Power Consumption | * |
| Floating control bus system | • | Pre-out / Main-in | •/- | Detachable Power Cable | • |
| Power Transformer: Super-ring / | •/-/- | D-Bus In/Out | - | Maximum Dimensions (W x | 440 x 162 x |
| Toroidal / EI | | Gold Plated Cinch | • | D x H) | 464 |
| Choke input | • | Speaker Terminal: Click-fit / Screw / | -/-/• | Weight | 26Kg |
| Shottky diodes | • | WBT | | | |
| HDAM: Standard / SA / SA2 / | -/-/•/• | Floating control bus (3.5mm mono jack x | • | | |
| Current Feedback | | 2) | | | |
| HDAM cover: Gold plated / | | AC Outlets (Not for UK Model) | - | | |
| Copper plated / Metal /plastic / no Plastic shield | | Headphone Out | • | | |
| Input buffer amp (all inputs) | all | SPECIFICATIONS | | | |
| Construction: Twin mono / 3-Stage circuit | -/• | Power Output (8/4 Ohm | 100/200 | | |
| Symmetric PCB Layout | • | RMS) | Watts | | |
| System block shielding: Copper / | •/-/- | Frequency | 5Hz-40KHz(8ohms,0.05%) | | |
| metal / none | | Range | | | |
| Chassis : Die-cast / Copper plated / | -/-/•/- | Frequency Response | 5Hz-100kHz +/-3dB | | |
| Metal | | Total Harmonic Distortion | 0.01% | | |
| Double Layer Bottom Plate | • | Bridged Power Output (8 Ohm RMS) | - | | |
| High Grade Audio Components | • | Damping Factor | 110 | | |
| Customised Components | • | Input Sensitivity: MM | 2.5mV / 47kOhm | | |
| BTL Possibility | - | Input Sensitivity: MC | 230µV/100Ohm | | |
| Current Feedback phono equalizer | • | Input Sensitivity: High | 220mV / | | |
| Balance / Bass / Treble / | •/•/•/- | level | 10kOhm | | |
| Loudness | | Signal to Noise Ratio: High level | 112dB | | |
| Source Direct | • | Signal to Noise Ratio: MM/MC | 88/74 dB | | |
| Separate Solid Heat Sinks | • | | | | |
| Speaker A/B | • | | | | |
| Record Selector: full / copy-source | -/• | | | | |
| Tape Monitor | - | | | | |
| Auto Power On/Off | - | | | | |
| Low noise LCD display | • | | | | |
| Temperature Gauge | - | | | | |
| Standby Mode | - | | | | |