

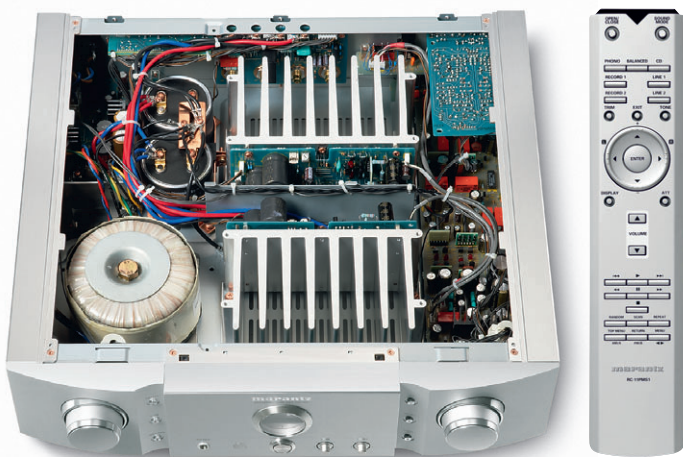


FEATURES	
Current Feedback Topology	•
Linear volume control	•
Floating control bus system	•
Power Transformer	Toroidal
HDAM	SA2 / Current Feedback
Construction: Twin mono / 3-Stage circuit	-/•
Symmetric PCB Layout	•
Customized & High Grade Audio Components	•
Current Feedback phono equalizer	•
Low noise LCD display	•

INPUTS/OUTPUTS	
Audio Inputs	6
Phono Input	MM/MC
Audio Outputs	2
Gold Plated Cinch	•
Speaker Terminal	WBT
Headphone Out	•

SPECIFICATIONS	
Power Output (8/4 Ohm RMS)	90/140 Watts
Frequency Range	5Hz-40KHz (8ohms,0.05%)
Frequency Response	5Hz-100kHz +/-3dB
Damping Factor	110
Input Sensitivity: MM	2.5mV / 47kOhm
Input Sensitivity: MC	230µV / 100Ohm
Input Sensitivity: High level	220mV / 10kOhm
Signal to Noise Ratio: High level	112dB
Signal to Noise Ratio: MM/MC	88/74 dB

GENERAL	
Available colors	Platinum / Gold
Maximum Dimensions (W x D x H)	440 x 123 x 464
Weight	18Kg



FEATURES	
CD Compatibility:	CD / CD-R/RW / SA-CD
Customized & High Grade Audio Components	•
Symetric circuit layout	•
HDAM	SA / Current Feedback
Relay muting	•
Zero Impedance Matching joint (copper)	•
Current Feedback headphone circuitry	•
Low Noise LCD display	•
Double layer bottom plate	•

PLAYBACK	
Program Play	30
Auto Music Scan (AMS)	•
Quick Replay	•

INPUTS/OUTPUTS	
Analogue Out (Cinch)	2ch
Digital Optical & Coaxial Out	•
Headphone Out with Volume Control	•

SPECIFICATIONS	
DAC IC	CS4397
Output Buffer	HDAM+Current
Frequency Response SACD	2Hz-50kHz (+0, -3dB)
Frequency Response CD	2Hz-20kHz
Dynamic Range SACD / CD	111dB / 100dB
Channel Separation SACD / CD	100dB / 100dB

GENERAL	
Available colors	Platinum / Gold
Maximum Dimensions (W x D x H)	440 x 123 x418
Weight	13.5Kg



marantz®

INTEGRATED STEREO AMPLIFIER PM-15S1  
SA-CD PLAYER SA-15S1



because music matters



# A partnership in audio excellence

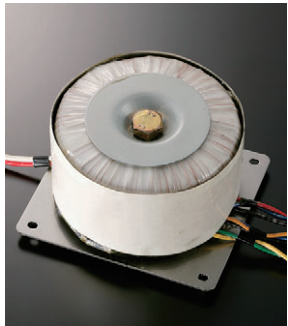
Developing successors for the widely appraised 17-series products was a real challenge. Inspired by the already legendary SC-7/MA-9 combination and derived from the top class 11-series we proudly present you the new Marantz 15-series.

The new PM-15S1 amplifier and SA-15S1 (SA)CD player enclose a stunning array of technology and craftsmanship, reflecting our engineers' passion for pure music, and their dedication to the audiophile community.

Coupling state of the art design, engineering and outstanding performance we feel our engineers have created a worthy successor. Both products are built according to the new Marantz premium design without any visible screws, a heavy double layer chassis and a subtle blue illuminated front.

## Integrated stereo amplifier PM-15S1

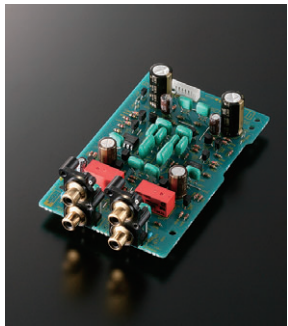
The PM-15S1 has a 3-stage construction, with new Current Feedback HDAMs for perfect stereo imaging and dynamic sound performance. For true clarity, it features, symmetrical signal paths and independent left / right heatsinks. To further enhance signal performance, external noise has been minimized by a solid chassis construction with additional bottom plate and the design includes the shortest possible signal path, using the best components available. For precise linear volume control, we once again use the Wolfson WM8816, with a top quality Current Feedback MM/MC phono stage meeting the needs of the true audiophile.



Power Transformer



Current Feedback Power amp



Current Feedback MM/MC Phono stage



Customised Components

### Super Audio satisfaction guaranteed

Marantz understands music and the people who love it. Which is why the PM-15S1 offers a wide bandwidth, best channel separation and minimum cross-talk, in the tradition of the hugely popular PM-11S1. Its oversized power supply with low impedance toroidal transformer is capable of handling a high current, offering an astonishing sound reproduction even on critical speakers that is beyond the reach of anything else in this price bracket.

### Current Feedback Amplification

Instead of the usually used voltage feedback construction Marantz adopted Current Feedback technology, making it even faster, extending its bandwidth and make it less sensitive on critical speakers for a much more accurate and realistic sound. Also on capacitive and inductive impedance the power output keeps stabil over the whole frequency range.

### New HDAM SAs outperform standard Op-amps

Standard operational amplifier ICs do not meet the high standards set by Marantz, prompting us to design our new proprietary HDAMs built of discreed components, which offer more detail, accuracy and a more dynamic sound by a high slew rate and amazing signal to noise ratio.

### Choke input system

Rectifier harmonic noise in the PM-15S1 power supply for the audio input board has been drastically reduced by adopting the choke input topology, which is especially suited to a control amplifier where very small signal amplification is handled.

### Floating control bus

With a single remote control you can synchronously drive up to 4 PM-15S1s, using the floating control bus system connection. Choose from a real bi-amping set up or multi-channel application, where you can expect superb sound and unbelievable channel separation, by trimming each separate channel with your remote, for the optimal sound field.

### High performance system clock

The D/A converter is served by a high precision clock, positioned nearby to prevent jitter and signal distortion, improving audio fidelity and performance.

### High resolution Super Audio

Based on the DSD conversion principle, SA-CD combines an upper limit frequency of 100 kHz and dynamic range of 120 dB with superb overall sound quality. This means you can enjoy the original sound as it was intended, with faithful reproduction of each instrument's unique 'voice'.

### Current Feedback HDAMs

SA-CD playback demands fast signal handling and high bandwidth, which is why the SA-15S1 features Marantz' renowned HDAM modules in the output stage. Proprietary Current Feedback HDAM modules play an important role in the SA-15S1 analogue audio circuitry, doubling as a buffer amplifier and Low Pass Filter. Both channels in the discrete circuitry feature absolutely identical components and layout – essential for a truly breathtaking sound stage.

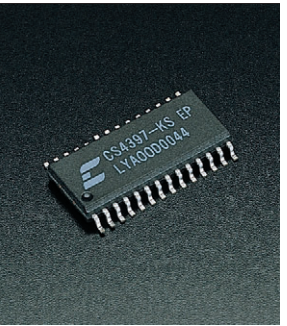


### Only excellence is enough

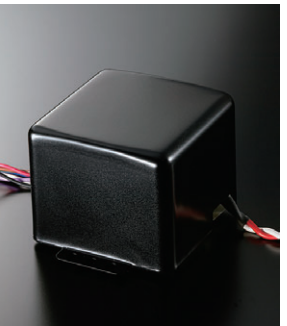
Marantz engineers only use the world's finest standard components in their designs. When no component is available to meet their high standards, there is only one solution: they develop their own. Custom-made components inside the SA-15S1 include new stress-free electrolyte capacitors and the Shottky diodes, which also feature in the rectifier circuitry. The audio circuitry uses high-grade electrolytic and film capacitors, to ensure the excellence you demand from Marantz products.

### The beauty of the SA-15S1

A solid chassis, additional button plate and shock-absorbing feet are just some examples of the attention to detail you will enjoy with the SA-15S1. For the best contact solid RCA terminals are built in and have been mounted on a zero impedance matching point. The customized components are symmetrically arranged, and all parts of the system work in perfect harmony. All of which enables the SA-15S1 SA-CD player to faithfully reproduce even the most complex musical compositions in your collection.



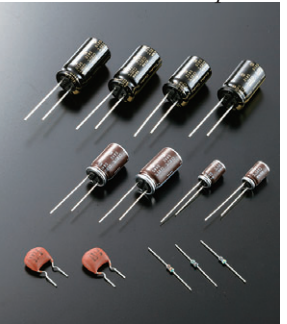
CS4397 DAC



Power Transformer



High Quality power supply component



Customised Components

## SA-CD player SA-15S1

Enjoy reference quality CD playback or the full magnificence offered by the SA-CD format. Featuring a quick and reliable working mechanism with a black surface to prevent any distortion of the laser light, the digital data is then processed by a Crystal CS4397 D/A converter.