

# marantz®

Hi-Fi Audio Components 2012/2013



because music matters



[www.Marantz.Asia](http://www.Marantz.Asia)



# reflections of passion

## **The sense of presence leaves a lasting impression**

Marantz has been pursuing original sound reproduction for more than half a century.

During this time we have developed unique audio technology through continuous technological innovation that goes beyond traditional technologies to achieve sound that is more subtle, more precise, and exudes a greater presence. Times change and the media has evolved from vinyls to CDs, SACDs, and music files, but the philosophy of Marantz to faithfully reproduce the sound just as the performers and recording engineers intended never changes. With this unwavering conviction Marantz delivers a supreme experience that leaves a permanent impression on listeners.



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reflections  
of perfection

**More perfection than ever before**

The Premium Series achieves high-definition sound with such clarity you can feel the enthusiasm of the live venue and the passion of the musicians. Uncompromisingly refined Marantz audio technology is incorporated into a superbly textured aluminum chassis outfitted with LED illumination to give you the pure enjoyment of music based on the philosophy of original sound reproduction. This combination of proven technology and elegant design emits soul-penetrating music of the utmost quality.

# PM-11S3

PREMIUM INTEGRATED STEREO AMPLIFIER

New

Colors: ■ ■



The innovative “SA Driver” current amplification circuit provides overwhelming spatial expressiveness and detail reproducibility. This exceeds the pursuit of accuracy to achieve the highest quality of reality with the capability to even express emotion.

## Full Discrete V/I Servo Power Amp Block

Marantz has consistently pursued the development of higher speed amplifier circuits with the current feedback circuit that uses the Marantz original high-speed discrete amplifier module HDAM (Hyper Dynamic Amplifier Module). The processing speed of most of the voltage amplifier blocks has been improved in the course of development of the PM-11S2 and earlier models. For the PM-11S3 we have enhanced the speed of the yet unimproved power amplifier's current amplifier block. The PM-11S3 offers high speed with an epoch-making current amplifier circuit called “SA Driver” that incorporates HDAM-SA3 buffers in the pre-driver stage of the V/I servo current feedback power amplifier. The PM-11S3 has improved the speed of all circuits from input to speaker output. As a result, the PM-11S3 features wide sound stage and reproducibility of details with sensitivity equivalent to the SC-7S2 and MA-9S2 models.

## Powerful power circuit

The toroidal core size is increased to provide a higher margin for the capacity. Furthermore, oxygen-free copper (OFC) is used to transformer coils in an effort to improve power. This unit utilizes Marantz's customized block capacitors that come with audio high-purity electrode foils having a divided or shifted winding structure, similar to the MA-9S2. These outstanding block capacitors have a capacitance of 22,000F and low impedance. Instantaneous current supply is improved by using these customized parts and optimizing the wiring, pattern processing, and layout. This power supply circuit can accurately drive state-of-the-art speakers that generate a strong counter-electromotive force.

## Current Feedback preamp

All input terminals are equipped with an input buffer amplifier employing the HDAM-SA3 high-speed amp module. Further, the balanced input terminal is equipped with a HDAM-SA3-driven current feedback balance buffer amplifier. The HDAM-SA3 has a very high slew rate, so using one in each circuit achieves a current feedback preamp with high speed and excellent channel separation up to the super-high range. In addition, the sound quality is tuned by using “Blue Star cap” pure copper film capacitors at key locations in the preamp and power amplifier circuits. The Blue Star caps were developed through repeated sound quality studies conducted with the supplier.

## Linear control volume

The MAS6116 volume control IC is used for the linear volume control to realize more lively sound. The very high accuracy MAS6116 volume control IC is used in parallel with the high-speed current feedback amplifier circuit that uses the HDAM-SA3 to create a variable gain amplifier with an excellent S/N ratio. There is very little interlocking error, which is a problem with analog volume controls, and gain switching employing zero cross detection is used to prevent click noise from occurring when adjusting the volume. A variable resistor is not used to prevent change in sound quality due to deterioration over time of the volume components so that you can use this product for a long time without concern. Further, the Floating Control Bus Systems (F.C.B.S.) can interlock control the volume of up to four PM-11S3. The system can be flexibly upgraded, such as by using multiple PM-11S3 to build biamp drives and multi-channel systems.

## Constant current feedback phono equalizer

General NFB type phono equalizers apply a deep negative feedback to high frequencies and a shallow negative feedback to low frequencies to obtain the RIAA characteristics, which results in the problem of uneven feedback amount depending on the band that causes variation in sound quality. The constant current feedback phono equalizer makes possible an ideal phono equalizer that provides a constant negative feedback amount from low frequencies to high frequencies to prevent change in the sound character. In addition, the circuitry in the latest model used in the PM-11S3 was simplified by using a V/I servo in place of the DC servo in the servo circuit to increase the purity of the playback sound.

## Other Features

- ▶ Symmetrical circuit layout
- ▶ Short power line layout
- ▶ 5 mm thick aluminum top cover
- ▶ Copper plated chassis
- ▶ Double layered chassis
- ▶ Aluminum die-cast insulator
- ▶ Machined copper speaker terminals
- ▶ Gold plated machined brass input terminals
- ▶ XLR balance input
- ▶ Pre-out
- ▶ Power amplifier direct input
- ▶ Tone control function
- ▶ Low noise LCD display
- ▶ Newly designed remote controller for operating the SACD player and amplifier
- ▶ Auto standby function
- ▶ Detachable Power Cord

# SA-11S3

PREMIUM SUPER AUDIO CD PLAYER

New

Colors: ■ ■



Music reproduction with greater subtlety, precision, and sensitivity is made possible by Marantz's advanced technology. Unprecedented high-quality music file playback is provided by the USB-A input and USB DAC function.

## SACDM-2 original mechanical engine

The SA-11S3 is equipped with the SACDM-2 original mechanical engine with a completely redesigned construction. The highly rigid steel chassis and aluminum die-cast tray effectively suppress the vibration generated by the disc rotation to improve the data read accuracy. The mechanical engine was placed in the center of the housing to optimize the weight balance of the entire housing. The base blocks are made from extruded aluminum with a maximum thickness of 10 mm and securely fastened mechanical engine to the double layer construction bottom chassis.

## USB DAC functions supports the asynchronous mode

Equipped with a USB DAC function that supports 192 kHz/24-bit signals. Asynchronous transmission is also supported to enable jitter-free transmission by not being affected by the clock jitter of the computer. Coaxial digital input and optical digital input also support PCM signals to a maximum of 192 kHz/24-bit. An optical isolator that uses a high-speed photocoupler is provided to eliminate the entry of noise from the computer and other connected devices. The digital input circuit and DAC circuit are electrically insulated. The grounds of the digital input circuit board and the DAC circuit board are also separated to eliminate ground potential fluctuation and noise entry.

## 192 kHz/24-bit compliant D/A converter DSD1792A

Equipped with the DSD1792A D/A converter that supports DSD direct D/A conversion and 192 kHz/24-bit PCM signals. The DSD1792A current output DAC was carefully selected after repeatedly conducting a variety of DAC listening tests, and it has a very large allowable output current and excellent dynamic expression. Further, a newly developed ultra-low jitter crystal is used in the DAC clock to greatly improve the reproduction of details.

## PEC777f3 original DSP

The Marantz original algorithm provides over sampling, digital filter, DC filter, and noise shaper functions. A variety of external input signal sampling rates (Max. 192 kHz) are supported. You can switch between the two digital filters to match the characteristics with user preferences.

## Fully balanced differential audio circuit

The analog stages after the DAC use audio circuits with a fully balanced differential configuration to enable a large volume of sound information to be processed at high speed. Marantz's unique HDAM and HDAM-SA2 high-speed amplifier modules are used to give all the circuits a discrete configuration. High-quality components are selected through careful listening tests to achieve uncompromising analog audio circuits.

## Full discrete headphone amplifier

The high-quality head phone amplifier that is a feature of Marantz's Super Audio CD/CD Player has been further refined to newly develop a high-speed fully discrete headphone amplifier with a high S/N ratio that is worthy of the Premium Series high-end model.

## Uncompromising sound tuning

A toroidal transformer sealed in a copper plated case is used in the power supply transformer. The capacity has been increased from 30 VA to 50 VA to provide more than enough current. Further, OFC is used in the winding. Newly developed custom components are used in the analog circuit power supply and the DAC power supply block chemical capacitor. Many years of developmental effort have been successful in achieving performance superior to that of previous units. The block capacitor composition was improved and the terminal material was changed from brass to copper. Special-order machined copper is used for the analog output terminals. Copper is next after silver for having very high conductivity and gives a powerful and stable feeling to the reproduced sound. The terminals are gold plated to prevent the sound quality from deteriorating over time.

## Other Features

- ▶ SACD multi-channel stereo down mix function
- ▶ SACD Text support
- ▶ Start sound mode
- ▶ Digital phase inversion function
- ▶ MP3, WMA data disc playback support (CD-R/CD-RW)
- ▶ USB port for iPod, iPhone digital connection
- ▶ USB memory playback (MP3, WMA, AAC, WAV)
- ▶ 5 mm thick aluminum top cover
- ▶ Copper plated chassis
- ▶ Double layered chassis
- ▶ Aluminum die-cast insulator
- ▶ Low noise LCD display
- ▶ Timer play support
- ▶ Newly designed remote controller for operating the SACD player and amplifier
- ▶ Auto standby function
- ▶ Detachable Power Cord



DSD  
Direct Stream Digital



Absolute SA Technology

HDAM® SA2

Made for

iPod iPhone

# PM-15S2

PREMIUM INTEGRATED STEREO AMPLIFIER

Colors: ■



The fully discrete configuration current feedback circuit of this integrated amplifier captures such details that you can even hear the performers' breath.

## Marantz Original High-speed Voltage Amplifier Module HDAM-SA3

The analog audio output circuit is equipped with the same HDAM and HDAM-SA2 Marantz original high-speed amp modules used in high-end models. The fully discrete configuration that does not use an op-amp provides thorough low distortion, low noise, and high-speed performance. You will enjoy the rich musical performance that exceeds what is customary for this class of product.

## Linear Control Volume

An inverting NFB circuit is used to successfully eliminate the inverting amplifier that was necessary to return the signal phase to the positive phase and thereby achieve playback sound of higher purity. The sound volume can be very accurately and smoothly adjusted from 0 dB to 100 dB in 0.5 dB steps. Further, there is very little cross talk and interlocking error between channels, which contributes to greatly improving reproduction of the sound field space.

## V/I Servo Current Feedback Power Amplifier

Employs a V/I servo current feedback circuit that boasts the same high stability as the power amplifiers in high-end models. A transistor is combined with the HDAM-SA2 to serve as the input circuit and DC servo circuit to build an onboard HDAM-SA3 circuit. A powerful magnetic circuit and low loss network circuit are provided to greatly improve the instantaneous current supply capability to provide sufficient drive at high speed for the latest speakers, which require a large drive force from the amplifier.

## Newly Developed Custom Capacitor

A newly developed high sound quality capacitor is used to support the high instantaneous current supply capability. The same 3-set winding construction used in high-end models is employed and wide tabs are used to connect the electrode foil and the terminals. Further, an element fixing agent is used to gently and accurately secure the 3-set winding construction electrode foil to provide rich sound. In addition to using high sound quality parts, the ground line was changed and other modifications were made throughout by incorporating Marantz's unique high sound quality know-how.

## Other Features

- ▶ Improved instantaneous current supply capability
- ▶ Symmetrical circuit layout
- ▶ Short power line layout
- ▶ CD direct input buffer amplifier
- ▶ Double shielded large toroidal transformer
- ▶ Custom audio components
- ▶ Double layered chassis
- ▶ Aluminum die-cast insulators
- ▶ Speaker jacks made by WBT
- ▶ All input and output jacks are gold plated
- ▶ Constant Current Feedback Phono Equalizer
- ▶ F.C.B.S. (Floating Control Bus System)
- ▶ Pre-out
- ▶ Power amplifier direct input
- ▶ Tone control function
- ▶ Low noise LCD display
- ▶ System remote controller
- ▶ Detachable Power Cord



# SA-15S2

PREMIUM SUPER AUDIO CD PLAYER

Colors: ■



Super Audio CD Player equipped with a SACDM-10 disc mechanism and analog output stage with a Hybrid HDAM for premium sound quality.

## Marantz Custom SACDM-10 Disc Mechanism

This disc mechanism module features a disc tray made of Xyron FRP, which has excellent vibration suppression and rigidity. The mechanism module is secured to the chassis via a base of 2 mm thick steel plate to prevent the rotational vibration from being transmitted to the chassis or circuit board. This improves the disc data reading accuracy. Non-magnetic aluminum is used for the mechanism cover. Tuning using comprehensive test listening was conducted to achieve a very high level of balance between spatial expression and detail reproduction.

## CS4398 Cirrus Logic High-performance D/A Converter

The CS4398 supports direct conversion of 1-bit DSD signals, which is the Super Audio CD recording format. The D/A converter has very high spatial expression capability inherited from the DAC7 used in the famous CD-7 Model.

## Audio Output Circuit with Hybrid HDAM

Different variations of the Marantz original HDAM high-speed voltage amplifier module are provided depending on the intended application. The SA-15S2 uses a differential input HDAM in its low-noise, low-distortion filter circuit. The HDAM-SA2 is used in the output stage to transport the input signal at high speed. The audio output circuit using a hybrid of the HDAM and HDAM-SA2 makes possible low-distortion, high-speed reproduction.

## High-definition Audio Components

Carefully selected audio components, such as the high sound quality film capacitor and the Marantz custom-ordered electrolytic capacitor that is also used in the SA-7S1, are used on the SA-15S2. The SA-15S2 is also equipped with higher definition components for the key sound quality components, such as the electrolytic capacitor, mute relay, power circuit Schottky barrier diode, and regulator. The power regulator has a cover of pure copper to suppress vibration and counter noise.

## Other Features

- ▶ Selectable filters
- ▶ Optical digital input
- ▶ Carefully selected audio grade components
- ▶ Large toroidal transformer
- ▶ Double layered chassis
- ▶ Machined brass analog output jacks
- ▶ Zero impedance plate
- ▶ Headphone output circuit with high-speed current buffer amplifier
- ▶ Reads CD-R/CD-RW
- ▶ Plays MP3/WMA files
- ▶ Display off
- ▶ Digital output off
- ▶ Timer play (Requires an external timer)
- ▶ System remote controller
- ▶ Remote control terminal (RC-5)
- ▶ Detachable Power Cord





# introducing 15 series

## limited edition

When you first encounter the Premium 15 Series, you will discover a detail of sound in its most delicate of forms.

Detail that creates an entire landscape. One that's so real, you can almost reach out and touch it.

But it's not just delicate detail you'll discover, the 15 Series deploys power on a tectonic scale.

And when you feel that effortless surge of power, combined with the slenderest of detail you will be changed. Forever.

It's an encounter that is set to become more stimulating, more inspiring, and more exclusive than ever.

Because this year a special Limited Edition 15 Series is available. These extra-special units are available in black only,

and have been enhanced with the latest components and sound reproducing techniques.

For people who truly cherish music, this year's 15 Series is a chance in a lifetime to own true magic.

# PM-15S2

Black Limited PREMIUM INTEGRATED STEREO AMPLIFIER

Colors: ■



PM-15S2 Limited Edition is the epitome of extreme quality and is, quite simply, a masterpiece. In both performance and appearance, it stands out in the Premium Range, with exclusive silky-black finishing. As you would expect from such a limited edition player, it includes all the exceptional-quality components and subsystems as its thoroughbred stable mate, the PM-152. But in addition, it incorporates improved customized components and the use of a more efficient electrical signal path to elevate sound quality to even more sublime levels. The PM-15S2 Limited Edition represents a true milestone in the history of Marantz. It also represents a rare and precious opportunity to own a genuinely exclusive object of desire.

Absolute **SA** Technology **HDAM® SA2**

# SA-15S2

Black Limited PREMIUM SUPER AUDIO CD PLAYER

Colors: ■



As the absolute and quintessential partner to the PM-S2 Limited Edition, this extraordinary CD player also radiates privilege, prestige and power. Its exclusivity is also underlined by the immediate eye-catching, silky-black finish - an enviable reserve for the best of the best. As a result, it too makes a resounding statement in terms of both performance and appearance. It incorporates many of the excellent-grade components and subsystems as featured in the Premium SA-15S2, but we have pushed the limits even further with many new customized components and signal path strategies. Not surprisingly, the resulting sound quality more than matches the exquisite visual impression. This is luxury in the extreme.



**DSD**  
Direct Stream Digital



Absolute **SA** Technology

**HDAM® SA2**







reflections  
of purity

**High sound quality technology and  
a passion for music condensed  
together—Range Series**

As with the Premium Series, technology, know-how, and a passion for music are condensed into the Range Series. Rather than emphasize the advanced nature of the technology, we want to enthrall the senses of the listener with the rich musical sound produced by the technology. We provide the joy of listening to music lovers everywhere with the high quality audio you have come to expect from Marantz.

# PM-KI PEARL LITE

INTEGRATED STEREO AMPLIFIER

Colors: ■ ■



The PM-KI PEARL LITE exemplifies the endless evolution made possible by traditional and innovative circuit design technology and the sound tuning that enters the emotional realm.

### Employs the latest high-speed amp module HDAM-SA3 technology

HDAM-SA3 is the latest version of the Marantz HDAM original high-speed voltage amplifier module and is used in the PM-KI PEARL LITE amplifier circuits. This achieves high-speed sound with a slew rate of 200V/μsec or higher, which greatly exceeds that of general op-amps.

### Fully discrete current feedback amplifier

The fully discrete configuration current feedback amplifier circuit that characterizes Marantz Hi-Fi amps is used on the preamp and power amp. This creates an excellent amplifier circuit that is high speed, has a high S/N ratio, and has a low distortion rate.

### Dual shield low leakage flux toroidal transformer

The PM-KI PEARL LITE is equipped with a toroidal power transformer, which has high capacity and low vibration and leakage flux. Leakage flux has a particularly negative effect on sound quality, so an aluminum short ring and silicon steel plate core ring are used to provide a dual shield to suppress leakage flux. An additional measure taken to thoroughly eliminate the factors that negatively affect sound quality was to use non-magnetic brass mounting bolts to block magnetic field loops.

### Tri-Tone Control Function

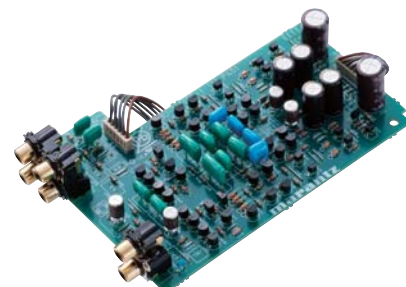
This is a 3 band (Bass, Mid, Treble) tone control function that in addition to controlling the low frequency and high frequency bands, also controls the mid frequency band, which is the band of vocals and fundamental instrument pitches to which the human ear is most sensitive. Use this function to adjust the sound quality to that preferred for the conditions of various sound sources. The tone control circuit employs an active filter that gives priority to sound quality. All of the frequency characteristics in the center position are flat.

### Fully Discrete Configuration Current Feedback Phono Equalizer

The Phono Equalizer supports MM cartridges that use the Constant Current Feedback Circuit developed for the SC-11S1 Premium Control Amplifier. The previous NFB Phono Equalizer was subject to different negative feedback amounts depending on the frequency band, which caused the problem of different sound qualities for the low frequency and high frequency ranges. The Constant Current Feedback circuit uses the frequency characteristics in the open loop as the RIAA curve on which it places the feedback via the RIAA network to obtain the RIAA characteristics. This achieves a constant negative feedback amount from the low to high frequencies to provide a smooth sound without variance in sound quality throughout all frequency bands.

### Other Features

- ▶ Improved instantaneous current supply capability
- ▶ Short power line layout
- ▶ Input buffer circuit
- ▶ REC OUT buffer
- ▶ Large high-performance sound volume control
- ▶ Custom audio components
- ▶ Triple layered chassis
- ▶ Marantz original large speaker terminals
- ▶ Two sets of speaker terminals
- ▶ All inputs and outputs are gold plated
- ▶ Pre-out
- ▶ Power amp direct input
- ▶ Source Direct function
- ▶ Included wireless remote controller also controls Marantz CD players
- ▶ Remote control jacks (RC-5)
- ▶ Automatic Standby Mode
- ▶ One system AC outlet
- ▶ Detachable Power Cord



# SA-KI PEARL LITE

SUPER AUDIO CD PLAYER

Colors: ■ ■



Equipped with the USB DAC function to further expand the possibility for high-quality sound playback. This Super Audio CD player provides high-definition playback of a variety of sound sources.

#### High-sound quality analog audio circuit using HDAM-SA2

HDAM-SA2 high-speed voltage amplifier module used as a buffer amp in the analog output circuit is the same one employed in the flagship SA-7S1. This propriety Marantz circuit technology achieves both high speed and low distortion. The audio circuit features a thoroughly parallel layout and equal length for the right and left channels as well as improved channel separation spatial expression capability.

#### iPod and iPhone digital connection compatible USB port

A USB (Type A) port that is compatible with digital input from iPod or iPhone is located on the front panel. The PCM signal is directly output without using the internal D/A converter of iPod and is then converted to an analog signal by the high-performance DAC of SA-KI PEARL LITE for high-quality sound playback. This can also be used to play back music files stored in mass storage class devices, such as a USB memory.

\*Supports 5th generation and later iPod.



#### Cirrus Logic CS4398 high-performance D/A converter

The CS4398 directly converts 1-bit DSD signals, which is the Super Audio CD recording format. It is also a high-performance D/A converter that supports a maximum 192 kHz/24-bit PCM signal. This ultra low distortion and high-resolution device has a built-in dynamic element matching circuit that greatly reduces the output signal distortion to provide dynamic range (120 dB) and THD+N (-107 dB) high performance.

#### USB DAC Function

A USB (Type B) input for connecting a Windows or Mac computer is located on the rear panel. The digital audio signal input from the computer is converted to analog by the CS4398 high-performance D/A converter the same as for Super Audio CDs and CDs and is then output via a high-definition analog audio circuit. The library in the computer can be played back with Hi-Fi quality. The SA-KI PEARL LITE is also equipped with coaxial and optical digital inputs to support up to 192 kHz/24-bit for playback of high sound quality sound sources that exceed the quality of CDs.

#### Other Features

- ▶ Xyron used in the Marantz original mechanical module
- ▶ Low leakage flux toroidal transformer
- ▶ Carefully selected audio grade components
- ▶ Double layered chassis
- ▶ Brass machined analog outputs, with zero impedance plate
- ▶ Headphones output circuit with high-speed current buffer amp
- ▶ Included wireless remote controller also controls Marantz amps
- ▶ Remote control jacks (RC-5)
- ▶ Coaxial and optical digital outputs
- ▶ Program, random, and repeat playback functions
- ▶ Automatic Music Scan (AMS) playback
- ▶ CD-R/CD-RW playback
- ▶ Display off
- ▶ Digital output off
- ▶ Supports timer playback (an external timer is required)
- ▶ Automatic Standby Mode
- ▶ Detachable Power Cord



DSD  
Direct Stream Digital



Absolute SA Technology

HDAM<sup>®</sup> SA2

Made for



iPod



iPhone

# PM7004 INTEGRATED STEREO AMPLIFIER

Colors: ■ ■



Marantz's proven high-quality sound technology achieves quietness and a lively dynamism. The Tri-Tone Control provides more impressive playback from a diversity of sound sources.

Employs the latest high-speed amp module HDAM-SA3 technology

Fully discrete current feedback amplifier

Improved instantaneous current supply capability

Even if the amps have the same power specifications, the actual speaker drive capability differs among products. Marantz reasons this is due to the difference in instantaneous current supply capability from the amp to the speakers. This power amp was given the ability to instantaneously pass a current of 25 ampere or more by optimizing the overall circuit by improving the components, such as by using a powerful power supply, short power line layout, and low impedance circuit. This accurately drives the speakers at high speed.

Custom Audio Components

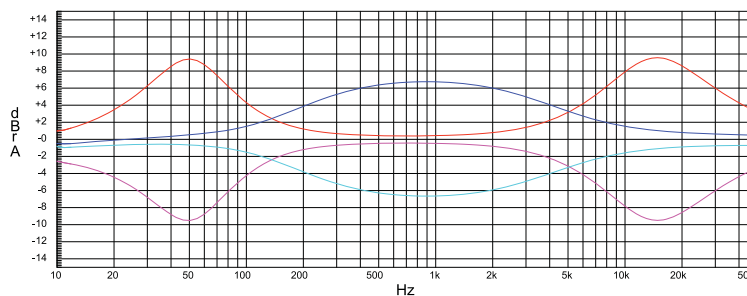
Many Marantz custom audio components that have been carefully selected for their exquisite sound quality are used on the PM7004. Two 15,000  $\mu$ F high-capacity capacitors are used in the power amp power supply circuit that is vital for supplying the current, and two capacitors for the 3,300  $\mu$ F high-grade audio diode are used in the preamp power circuit. In addition, as in the high-end model, the PM7004 contains many high-grade components, such as a Schottky barrier diode with high response speed and low noise and a Marantz original noise-killer element.

Short Power Line Layout

A short power line layout that integrates the power circuit and power amp output stage is used to improve the instantaneous current supply performance. This layout connects the large current line by the shortest distance in a left/right symmetrical layout.

Tri-Tone Control Function

This is a 3 band (Bass, Mid, Treble) tone control function that in addition to controlling the low frequency and high frequency bands, also controls the mid frequency band, which is the band of vocals and fundamental instrument pitches to which the human ear is most sensitive. Use this function to adjust the sound quality to that preferred for the conditions of various sound sources. The tone control circuit employs an active filter that gives priority to sound quality. All of the frequency characteristics in the center position are flat.



Other Features

- ▶ Input buffer circuit
- ▶ REC OUT buffer
- ▶ High-performance sound volume
- ▶ Marantz original speaker terminals
- ▶ Two sets of speaker terminals
- ▶ Gold plated CD outputs
- ▶ Pre-out
- ▶ Power amp direct input
- ▶ Source Direct function
- ▶ Included wireless remote controller also controls Marantz CD players
- ▶ Remote control jacks (RC-5)
- ▶ Automatic Standby Mode
- ▶ One system AC outlet
- ▶ Detachable Power Cord



# NA7004 NETWORK AUDIO PLAYER

Colors: ■ ■



The NA7004 is your ideal connection to your favorite music, no matter where it comes from.

High-sound quality analog audio circuit using HDAM-SA2

Cirrus Logic CS4398 high-performance D/A converter

## Network Audio Functions

The NA7004 is equipped with DLNA1.5 certified network audio functions to allow you to play MP3, WMA, AAC, WAV, and FLAC files from a computer or network HDD (NAS: Network Attached Storage) with DLNA server functions. In particular, FLAC is supported up to 96 kHz/24-bit. In addition to the main unit and remote controller, you can use iPod, iPhone, or a computer or other devices installed with digital media controller (DMC) software to select tracks. You can also perform Internet radio and remote playback from Windows Media Player 12.

## USB DAC Function

The rear panel is equipped with a USB (Type B) input jack for connecting to a Mac or Windows computer. The digital audio signal input from the computer is converted to analog by the CS4398 high-performance D/A converter in the NA7004 and output via a high-definition analog audio circuit. Music libraries in the computer are played back with Hi-Fi quality. There is also a coaxial/optical digital input jack for up to 192 kHz/24-bit to support playback of high-bit, high-sampling sound sources that approach master quality.

## AirPlay

AirPlay can be supported with an online upgrade. All of the music in the iTunes library in your Mac or PC that is connected to a home network can be directly streamed to the NA7004. The music files from iPod touch, iPhone, and iPad can be streamed to the NA7004 via a Wi-Fi network.

## Marantz Remote App

Support for the Marantz Remote App remote controller application for iPod touch and iPhone is provided. This allows you to use iPod touch or iPhone connected to a Wi-Fi network to operate the NA7004. In addition to turning the power on and off and switching input, you can also freely browse the music files in your computer or NAS (Network Attached Storage) or Internet radio stations.



## Other Features

- ▶ USB port for iPod/iPhone digital connection
- ▶ Built-in FM, AM, DAB, and DAB+ tuners
- ▶ Coaxial/optical digital output jack
- ▶ M-XPport to connect the RX101 Bluetooth receiver (Optional)
- ▶ Carefully selected audio grade components
- ▶ EI core transformer with shielded case
- ▶ Double layered chassis
- ▶ Gold plated analog output jacks
- ▶ Headphone output circuit with high-speed current buffer amplifier
- ▶ M-DAX 2 (Marantz Dynamic Audio eXpander 2)
- ▶ Organic EL display with excellent visibility
- ▶ Web control using a Web browser
- ▶ Comes with a wireless remote controller for controlling Marantz products
- ▶ Network firmware updates
- ▶ Auto standby mode
- ▶ Detachable Power Cord

Absolute SA Technology

HDAM® SA2

dlna CERTIFIED

vTuner

DAB Digital Audio Broadcasting

RDS



# PM6004

INTEGRATED STEREO AMPLIFIER

Colors: ■ ■

Excellent amplifier improved by refining the sound and optimizing the balance from Bass to Mid to Highs for a performance full of harmony.



### Current feedback amplifier circuit

The current feedback amplifier circuit is used in preamp and power amp of all of Marantz's Hi-Fi amps. The circuit is high-speed, low-distortion, and very stable and faithfully amplifies the wide range signal from the CD player to reproduce a natural sound field.

### Low Leakage Flux Toroidal Transformer

Equipped with a high-capacity toroidal power transformer with little vibration or leakage flux. This transformer can instantaneously supply large current to facilitate accurate speaker control.

### Fully discrete amp circuit and input buffer circuit

The isolated block configuration for the preamp, power amp, and tone control are inherited from high-end models. The power amp has a fully discrete configuration to provide high power and high speed.

### Other Features

- ▶ MM cartridge supporting phono equalizer
- ▶ Source Direct function
- ▶ Loudness function
- ▶ 3 sets of remote control codes
- ▶ Wireless remote controller included
- ▶ Detachable Power Cord

Absolute  Technology

# CD6004

CD PLAYER

Colors: ■ ■

The CD6004 is Made for iPhone certified and is equipped with a discrete headphone amp. The latest technologies further improve the sophisticated expressive capability and musical qualities.



### HDAM and HDAM-SA2 high-quality audio circuits

The analog audio output circuit is equipped with the same HDAM and HDAM-SA2 Marantz original high-speed amp modules used in high-end models. The fully discrete configuration that does not use an op-amp provides thorough low distortion, low noise, and high-speed performance. You will enjoy the rich musical performance that exceeds what is customary for this class of product.

### Rationalized construction

The power circuit is located on the left side, the mechanical module and digital audio circuit in the middle, and the analog audio circuit on the right side. Rationalized construction following the signal flow is used to minimize the audio signal path to achieve loss-free transmission. The left and right channels are laid out in parallel to ensure transmission under the same conditions and thus improve reproduction of the sound field.

### Other Features

- ▶ Carefully selected audio grade components
- ▶ Double layered chassis
- ▶ Gold plated outputs
- ▶ Audio EX Mode for high-quality sound playback
- ▶ Included wireless remote controller also controls Marantz amps
- ▶ Remote control jacks (RC-5)
- ▶ Program, random, and repeat playback functions
- ▶ Automatic Music Scan (AMS) playback
- ▶ Quick replay can be freely set in the 5 to 60 sec range
- ▶ CD-R/CD-RW playback
- ▶ CD text display
- ▶ Supports timer playback (an external timer is required)
- ▶ Detachable Power Cord

Made for  
 iPod  iPhone

Absolute  Technology

HDAM® SA2



# PM5004

## INTEGRATED STEREO AMPLIFIER

Colors: ■ ■

New-generation integrated amplifier greatly improves sound quality using original circuit design technology and the latest sound quality boosting components.



### Current feedback amplifier circuit

The current feedback amplifier circuit is used in preamps and power amps of all of Marantz's Hi-Fi amps. The circuit is high-speed, low-distortion, and very stable and faithfully amplifies the wide range signal from the CD player to reproduce a natural sound field space.

### Phono Equalizer supports MM cartridge

This connects directly to your analog player to easily enjoy your records.

### Fully discrete amp circuit and input buffer circuit

The isolated block configuration for the preamp, power amp, and tone control are inherited from high-end models. The power amp has a fully discrete configuration to provide high power and high speed. An active filter is employed for the tone control to focus on sound quality. The frequency characteristics at the center level are completely flat. An input buffer circuit is provided to improve the S/N ratio and channel separation.

### Other Features

- ▶ 3 sets of remote control codes
- ▶ 3 system AC outlets
- ▶ Wireless remote controller included
- ▶ Detachable Power Cord

Absolute  Technology

# CD5004

## CD PLAYER

Colors: ■ ■

The CD5004 was acclaimed for texture and sound quality that exceed class conventionality. That appeal has been improved upon to become the standard of the latest CD players.



### High-sound quality analog audio circuit using HDAM-SA2

The HDAM-SA2 high-speed voltage amplifier module used as a buffer amp in the analog output circuit is the same one employed in the flagship SA-7S1. This proprietary Marantz circuit technology achieves both high speed and low distortion. The audio circuit features the same length for the right and left channels, a thoroughly parallel layout, and improved channel separation and spatial expression capability.

### Cirrus Logic CS4392 high-performance D/A converter

The CS4392 D/A converter made by Cirrus Logic has proven itself in many Marantz CD players. The dynamic range (114 dB) and THD+N (-100 dB) high-performance produces a high-resolution, rich sound.

### Other Features

- ▶ Wireless remote controller also controls Marantz amps
- ▶ Remote control jacks (RC-5)
- ▶ Automatic Music Scan (AMS) playback
- ▶ Quick replay can be freely set in the 5 to 60 sec range
- ▶ ±12 step pitch control
- ▶ CD-R/CD-RW playback
- ▶ CD text display
- ▶ Automatic Standby Mode
- ▶ Wireless remote controller included
- ▶ Detachable Power Cord

Absolute  Technology

HDAM® SA2



# SR5023

STEREO RECEIVER

Colors: ■ ■

Close attention to detail and a no-compromise construction ensures faithfully captured excitement and emotional playback of your music.



## M1 Reference Style design

This latest 2 x 80W stereo receiver, in the M1 Reference Style design, is built to the highest standards and expertly finished. The slim aluminum front expresses perfect balance, while the dimensions are the same as those for the CD5004 and NA7004, giving you the option of creating an extraordinary system from just two components.

## RDS FM/AM tuner with 50 available presets

This RDS stereo receiver comes with FM/AM reception, 50 available presets. The Auto Preset Memory function automatically scans the FM and AM band and enters all stations with proper signal strength into the memory.

## Other Features

- ▶ 2 x 80 watts (8 ohm)
- ▶ New solid reference-standard chassis
- ▶ Full dot-matrix display
- ▶ 50 presets
- ▶ Phono Equalizer (MM)
- ▶ Symmetric circuit architecture
- ▶ Tone control and Source Direct function
- ▶ Subwoofer output
- ▶ Sleep timer function
- ▶ System remote controller

# SR4023

STEREO RECEIVER

Colors: ■

Especially in this feature-laden world of multichannel sound, the SR4023 receiver is proof positive that Marantz hasn't forgotten its heritage of high quality stereo components.



## High quality discrete amplifier

The large EI core transformer and oversized capacitor bank comprise a rock-solid foundation that feeds all the internal circuitry. The fully-discrete amplifier develops 80 continuous watts per channel so you won't lack for power even when your system is really wailing.

## Video switching capability

You can connect up to four composite video sources to your SR4023; send your choice to a monitor for immediate viewing or to a video recorder to preserve events for the future.

## Other Features

- ▶ Sophisticated new aluminum/reinforced plastic front panel
- ▶ Large EI core transformer
- ▶ Pre-out/Main-in terminals
- ▶ Speaker A/B switching
- ▶ Low-pass pre-amp level Subwoofer output
- ▶ Phono Equalizer (MM)
- ▶ Composite video switching with monitor and recording outputs
- ▶ RS-232C communications port
- ▶ IR flasher input
- ▶ Triple IR code set
- ▶ Front Key Lock
- ▶ System remote controller



# ST6003

STEREO TUNER

Colors: ■ ■

This FM/AM tuner adds convenient functions to proven sound quality.



### High-quality Audio Components for the Best Sound

The stylish external design is reminiscent of the premium series and sound quality and functions have been upgraded. Carefully selected audio grade components are used in strategic locations to improve the sound quality. This Marantz FM/AM tuner has a good reputation for merging high-quality sound with a large number of functions.

### Station Name Function

A maximum of 10 characters (alphanumeric, symbols) can be used to name preset broadcast stations as you like.

### Wireless Remote Controller for Controlling Marantz Products

The included wireless remote controller (RC003PM) can be used to control the Pure Basic Series amps and players in addition to the ST6003 main unit.

### Other Features

- ▶ 50 presets
- ▶ Sleep Timer function
- ▶ IR flasher input jack
- ▶ 3 types of remote controller codes
- ▶ Remote controljacks (RC-5)
- ▶ System remote controller
- ▶ Detachable Power Cord

# TT5005

TURNTABLE

New

Colors: ■

Marantz provides this high-quality turntable for analog record aficionados.

You will fully enjoy the timeless appeal of analog records.



### Easy-to-operate, fully automatic player

Simply press the START button to begin playing a vinyl record. When the record is finished the tone arm automatically returns to its original position and the turntable stops.

### Equalizer switch

The equalizer switch enables you to connect to a variety of audio devices such as pre-main amplifiers and radio cassette players.

### Lightweight, compact design

The lightweight, compact design makes it easy to use anywhere.

### Other Features

- ▶ Built-in Phono Equalizer (MM)
- ▶ Low noise DC servo motor
- ▶ 33 1/3 & 45 rpm
- ▶ Aluminum die-cast platter
- ▶ Rubber belt
- ▶ Transparent dust cover

# SPECIFICATIONS

	PM-11S3	PM-15S2 PM-15S2 LTD	PM-KI PEARL LITE
<b>SOUND ENHANCEMENTS</b>			
Current Feedback Topology	●	●	●
HDAM version	SA3	SA3	SA3
Phono EQ: Standard / Constant Current Feedback	- / ●	- / ●	- / ●
High Grade Audio Components	●	●	●
Customized Components	●	●	●
Power Transformer: Toroidal / EI	● / -	● / -	● / -
Linear Drive Power Supply	●	●	●
Shottky diodes	●	●	●
Aluminium extrusion heat sink	● (Separate)	● (Separate)	●
Copper plated chassis	●	-	●
Extra metal plate for chassis strengthening	●	●	●
5mm aluminium top plate	●	-	-
Input buffer amp (all inputs / CD only)	● / -	● / -	● / -
Symmetric Circuit Layout	●	●	●
System block shielding: Copper / metal / none	● / - / -	- / ● / -	- / - / ●
Low noise LCD display	●	●	-
<b>FEATURES</b>			
Linear control volume	●	●	-
BI-AMP and Multi-channel option	●	●	-
Power Amp Direct	●	●	●
Tri Tone Control (Bass / Mid / Treble)	-	-	●
Balance / Bass / Treble / Loudness	● / ● / ● / -	● / ● / ● / -	● / ● / ● / -
Source Direct	●	●	●
Standby Mode	●	-	●
<b>INPUTS/OUTPUTS</b>			
Audio Inputs	6	6	6
Phono Input: MM / MC	● / ●	● / ●	● / -
Audio Outputs	2	2	2
Balanced In	●	-	-
Pre-out	●	●	●
Power Amp Direct IN	●	●	●
Gold Plated Cinch	●	●	●
Speaker A / B	●	-	●
Speaker terminals	SPKT-100	WBT	SPKT-1
Number of terminals	4	2	4
Marantz Remote bus	●	-	●
Floating Control Bus (3.5 mm mono jack x 2)	●	●	-
Headphone Out	●	●	●
<b>SPECIFICATIONS</b>			
Power Output (8 / 4 Ohm RMS)	100 W / 200 W	90 W / 140 W	70 W / 100 W
Power Output (8 / 4 Ohm DIN)	120 W / 210 W	95 W / 155 W	- / -
Power Output (8 / 4 Ohm IHF)	140 W / 260 W	100 W / 160 W	- / -
Frequency Response	5 Hz - 120kHz	5 Hz - 100kHz	5 Hz - 100kHz
Total Harmonic Distortion	0.01%	0.05%	0.02%
Damping Factor	100	100	100
Input Sensitivity: MM	2.7 mV / 47 kohm	2.7 mV / 47 kohm	2 mV / 47 kohm
Input Sensitivity: MC	260 μV / 100 ohm	270 μV / 100 ohm	-
Signal to Noise Ratio: MM/MC	88 / 76 dB	86 dB / 75 dB	87 dB / -
Input Sensitivity: High level	240 mV / 20 kohm	240 mV / 20 kohm	200 mV / 20 kohm
Input Sensitivity: Balanced High level	480 mV / 40 kohm	-	-
Signal to Noise Ratio: High level	108 dB (2V input)	89 dB (500mV input)	106 dB (2V input)
Input Sensitivity: Power Amp Direct IN	1.7 V / 20 kohm	1.7 V / 20 kohm	1.6 V / 15 kohm
Signal to Noise Ratio: Power Amp Direct IN	120 dB (Rated output)	104 dB	125 dB (Rated output)
<b>GENERAL</b>			
Available colors: Gold / Silver / Black / Silver-Gold	● / - / ● / -	● / ● / PM-15S2 LTD / -	- / - / ● / ●
Metal Front Panel	●	●	●
Power Consumption	300 W	220 W	200 W
Standby Consumption	0.2 W	-	0.3 W
Auto Power off	●	●	●
Detachable Power Cable	●	●	●
Remote Control	RC001PMSA	RC001PM	RC003PM
System Remote Function	●	●	●
Maximum Dimensions (W x H x D)	440 x 168 x 453 mm	440 x 123 x 444 mm	470 x 128 x 379 mm
Weight	26.6 kg	18.5 kg	12.0 kg

PM-11S3



PM-KI PEARL LITE



PM-15S2/PM-15S2 LTD



PM7004	PM6004	PM5004
●	●	●
SA3	-	-
● / -	● / -	● / -
●	●	●
- / ●	● / -	- / ●
●	●	●
●	●	-
-	-	-
-	-	-
● / -	- / -	● / -
●	●	●
- / - / ●	- / - / ●	- / - / ●
-	-	-
-	-	-
●	●	●
● / ● / ● / -	● / ● / ● / ●	● / ● / ● / ●
●	●	●
●	●	●
6	6	6
● / -	● / -	● / -
2	2	2
-	-	-
●	-	-
●	-	-
CD	●	-
●	●	●
Screw	Gold Plated Screw	Transparent Screw
4	4	4
●	●	●
-	-	-
●	●	●
70 W / 100 W	45 W / 60 W	40 W / 55 W
- / -	- / -	45 W / 60 W
- / -	- / -	55 W / 80 W
5 Hz - 100kHz	10 Hz - 70kHz	10 Hz - 50kHz
0.02%	0.08%	0.01%
100	100	100
2 mV / 47 kohm	2.2 mV / 47 kohm	2.2 mV / 47 kohm
-	-	-
85 dB / -	83 dB / -	83 dB / -
200 mV / 20 kohm	200 mV / 20 kohm	200 mV / 20 kohm
-	-	-
104 dB (2V input)	102 dB (2V input)	103 dB (2V input)
1.6 V / 15 kohm	-	-
125 dB (Rated output)	-	-
- / - / ● / ●	- / - / ● / ●	- / - / ● / ●
●	●	●
200 W	150 W	110 W
0.3 W	0.2 W	0.4 W
●	●	-
●	●	●
RC004PM	RC005PM	RC006PM
●	●	●
440 x 127 x 365 mm	440 x 127 x 365 mm	440 x 105 x 370 mm
10.5 kg	7.4 kg	6.7 kg

PM7004



PM6004



PM5004



# SPECIFICATIONS

	SA-11S3	SA-15S2 SA-15S2 LTD
<b>SOUND ENHANCEMENTS</b>		
HDAM version	HDAM + HDAM SA2	HDAM + HDAM SA2
High Grade Audio Components	●	●
Customised Components	●	●
Power Transformer: Toroidal / EI	● / -	● / -
Copper plated chassis	-	-
Extra metal plate for chassis strengthening	●	●
5mm Aluminum top cover	●	-
Zero Impedance Matching joint (copper)	●	●
Separated rectifier circuit for analogue and digital circuitry	●	●
Symmetric circuit layout	●	●
System block shielding: Copper / metal / none	- / - / ●	- / - / ●
Low Noise LCD display	●	●
<b>FEATURES</b>		
CD Compatibility: CD / CD-R/RW / SA-CD / WMA / MP3 / AAC	● / ● / ● / ● / ● / -	● / ● / ● / ● / ● / -
CD-Text / SA-CD Text / ID3 Tag / WMA Meta Tag / AAC Meta data	- / ● / - / - / -	- / - / ● / ● / -
iPod / iPhone compatible USB input	●	-
DAC operation mode: USB / Coax / Optical	● / ● / ●	- / - / ●
Asynchronous mode rear USB	●	-
Selectable filter: CD / SA-CD / DAC-Mode	● / - / ●	● / ● / -
Headphone: Standard / Buffer / Current feedback	- / ● (HDAM SA2 + HDAM) / ●	- / ● (HDAM SA2) / -
Digital out off / Audio EX Mode	● / -	● / -
Display: Dimmer / Off	- / ●	- / ●
<b>PLAYBACK</b>		
Program Play(CD)	20	24
Auto Music Scan (AMS)	-	●
Repeat	●	●
Random Play	●	●
Start Sound Mode for SA-CD	●	●
Pitch Control	-	-
Quick Replay	-	-
<b>INPUTS/OUTPUTS</b>		
Analogue Out (Cinch)	2 ch	2 ch
Balanced Out	2 ch	-
Digital Optical In / Out	● / ●	● / ●
Digital Coaxial In / Out	● / ●	- / ●
Sample Rate digital In	192 kHz / 24-bit	96 kHz / 24-bit
Gold plated Cinch	●	●
USB Audio (Front) / Made for iPod / iPhone	● / ● / ●	- / - / -
USB type B input for PC (Rear)	●	-
Asynchronous mode rear USB	●	-
Sample Rate USB type B In	192 kHz / 24-bit	-
Marantz Remote Bus	●	●
Headphone Out	●	●
<b>SPECIFICATIONS</b>		
Mechanism	SACD-M2 (METAL)	XYRON
Decoder	DV3.2	MT1389EE
D/A Conversion	Advanced Segment	Multi-bit, Delta-Sigma
DAC IC	DSD1792A	CS4398
Digital Filter	DSP (Marantz Original)	CS4398
Noise Shaper	DSP (Marantz Original)	CS4398
Low Pass Filter stage	HDAM x 2	HDAM
Output Buffer	HDAM SA2	HDAM SA2
Headphone amp	HDAM-SA2 + HDAM	HDAM-SA2 + Buffer
<b>SA-CD AUDIO</b>		
Frequency Response (SA)	2 Hz - 50 kHz	2 Hz - 50 kHz
Dynamic Range (SA)	109 dB	112 dB
Signal to Noise Ratio (SA)	109 dB	110 dB
Total Harmonic Distortion (SA)	0.0009%	0.001%
Channel Separation (SA)	105 dB	98 dB
<b>CDDA AUDIO</b>		
Frequency Response	2 Hz - 20 kHz	2 Hz - 20 kHz
Dynamic Range	100 dB	100 dB
Signal to Noise Ratio	110 dB	110 dB
Total Harmonic Distortion	0.0015%	0.0015%
Channel Separation	100 dB	98 dB
<b>GENERAL</b>		
Available colors: Gold / Silver / Black / Silver-Gold	● / - / ● / -	● / ● / SA-15S2 LTD / -
Metal Front Panel	●	●
Remote Control	RC001PMSA	RC003SA
Power Consumption	45 W	20 W
Standby Consumption	0.3 W	-
Auto power off	●	-
Detachable Power Cable	●	●
Maximum Dimensions (W x H x D)	440 x 127 x 417 mm	440 x 123 x 419 mm
Weight	16.5 kg	13.5 kg

SA-11S3



SA-15S2 / SA-15S2 LTD



SA-KI PEARL LITE	CD6004	CD5004
HDAM + HDAM SA2	HDAM + HDAM SA2	HDAM SA2
●	●	●
●	●	-
● / -	- / ●	- / ●
●	-	-
-	●	-
●	-	-
●	●	●
●	●	●
- / - / ●	- / - / ●	- / - / ●
-	-	-
● / ● / ● / ● / ● / -	● / ● / - / ● / ● / ●	● / ● / - / ● / ● / -
- / - / ● / ● / -	● / - / ● / ● / -	● / - / ● / ● / -
●	●	-
● / ● / ●	- / - / -	- / - / -
-	-	-
- / - / -	- / - / -	- / - / -
- / ● (OP amp + Buffer) / -	- / ● (HDAM SA2) / -	- / ● (OP amp + Buffer) / -
● / -	● / ●	● / ●
● / ●	● / ●	- / ●
24	30	30
●	●	●
●	●	●
●	●	●
●	-	-
-	● (5-60 sec.)	● (5-60 sec.)
2 ch	2 ch	2 ch
-	-	-
● / ●	- / ●	- / ●
● / ●	- / ●	- / ●
192 kHz / 24-bit	-	-
●	●	●
● / ● / ●	● / ● / ●	- / - / -
●	-	-
-	-	-
96 kHz / 24-bit	-	-
●	●	●
●	●	●
XYRON	DV11VF	DV11VF
MT1389EE	TA94A92FG	TC94A70FG
Multi-bit, Delta-Sigma	Multi-bit, Delta-Sigma	Multi-bit, Delta-Sigma
CS4398	CS4398	CS4392
CS4398	CS4398	CS4392
CS4398	CS4398	CS4392
HDAM	HDAM	NJM2068
HDAM SA2	HDAM SA2	HDAM SA2
NJM2114	HDAM-SA2+Buffer	NJM2068
2 Hz - 50 kHz	-	-
110 dB	-	-
112 dB	-	-
0.001%	-	-
110 dB	-	-
2 Hz - 20 kHz	2 Hz - 20 kHz	20 Hz - 20 kHz
100 dB	100 dB	100 dB
110 dB	110 dB	110 dB
0.002%	0.002%	0.002%
100 dB	110 dB	110 dB
- / - / ● / ●	- / - / ● / ●	- / - / ● / ●
●	●	●
RC004SA	RC004CD	RC002CD
25 W	32 W	14 W
0.3 W	0.3 W	0.4 W
●	●	-
●	●	●
470 x 109 x 344 mm	440 x 105 x 338 mm	440 x 105 x 340 mm
8.4 kg	6.6 kg	5.1 kg

SA-KI PEARL LITE



CD6004



CD5004





# SPECIFICATIONS

	NA7004
<b>SOUND ENHANCEMENTS</b>	
HDAM version	HDAM + HDAM SA2
Power Transformer: Toroidal / EI	- / ● (Shielded)
High Grade Audio Components	●
Customized Components	●
Symmetric circuit layout	●
Extra metal plate for chassis strengthening	●
<b>FEATURES</b>	
Streaming audio from PC	●
Internet radio (vTuner)	●
AirPlay audio streaming	Upgrade
Windows 7	●
Tuner: DAB / DAB+ / FM (RDS) / AM	● / ● / ● / ●
USB Audio (Front) / Made for iPod / iPhone	● / ● / ●
DAC operation mode: USB B type / Coax / Optical	● / ● / ●
DLNA certified	● (version 1.5)
Compatible file types: MP3 / WMA / AAC / WAV / FLAC 96/24	● / ● / ● / ● / ●
Remote APP: iDevice / Android	● / ●
Headphone: Standard / Buffer / Current feedback	- / ● / -
Display: Dimmer / Off	● / ●
<b>INPUTS/OUTPUTS</b>	
Analogue Out (Cinch)	2 ch
Digital Optical In / Out	● / ●
Digital Coaxial In / Out	● / ●
Sample Rate digital In	192 kHz / 24-bit
Gold plated Cinch	●
USB Audio (Front) / Made for iPod / iPhone	● / ● / ●
USB type B input for PC (Rear)	●
Sample Rate USB type B In	96 kHz / 24-bit
Ethernet port	●
DAB terminal (1F)	●
FM Antenna	●
M-XPort for RX101	●
Marantz Remote Bus	●
RS-232C	●
<b>SPECIFICATIONS</b>	
D/A Conversion	Multi-bit, Delta-Sigma
DAC IC	CS4398
Digital Filter	CS4398
Noise Shaper	CS4398
Low Pass Filter stage	HDAM SA2
Output Buffer	HDAM SA2
Headphone amp	NJM2068
<b>TUNER SECTION DAB</b>	
Receiving Range (Band III / Band L)	● / -
Signal to Noise Ratio DAB (Mono/Stereo)	95 dB
Total Harmonic Distortion DAB	0.025%
Frequency response DAB	20 Hz - 20 kHz
Stereo Separation DAB	70 dB
<b>TUNER SECTION FM</b>	
Frequency Range	87.5 - 108 MHz
Signal to Noise Ratio	65 dB
Sensitivity (S/N 30 dB)	9 dB $\mu$ V (IHF)
<b>TUNER SECTION AM</b>	
Frequency Range	522 - 1611 kHz
Signal to Noise Ratio	40 dB
Sensitivity (S/N 20 dB)	55 dB $\mu$ V/m
<b>GENERAL</b>	
Available colors: Gold / Silver / Black / Silver-Gold	- / - / ● / ●
Metal Front Panel	●
Remote Control	RC001NA
Power Consumption	30 W
Standby Consumption	0.4 W
Detachable Power Cable	●
Maximum Dimensions (W x H x D)	440 x 106 x 354 mm
Weight	6.5 kg

\* Not available in all region

	SR5023	SR4023
<b>SOUND ENHANCEMENTS</b>		
Linear Drive Power Supply	●	●
Power Transformer: Toroidal / EI	- / ●	- / ●
Symmetric circuit layout	●	●
<b>AMPLIFIER FEATURES</b>		
Balance / Bass / Treble / Loudness	- / ● / ● / -	- / ● / ● / -
Source Direct	●	●
Speaker A / B	-	●
Phono EQ (MM)	●	●
Standby Mode	●	●
Full dot matrix display	●	●
Display: Dimmer / Off	● / ●	● / ●
<b>TUNER FEATURES</b>		
Tuner: FM / AM	● / ●	● / ●
Presets	50 (FM / AM)	50 (FM / AM)
Auto Tuning	●	-
RDS: PTY / PS / RT	● / ● / ●	- / - / -
Station Naming	●	●
Sleep Timer	●	●
<b>INPUTS/OUTPUTS</b>		
Audio Inputs	6	8
Phono Input: MM / MC	● / -	● / -
Audio Outputs	1	3
Pre-out / Main-in	- / -	● / ●
Subwoofer out	●	●
Composite Video In / Out	-	4 / 2 (Monitor, VCR)
FM Antenna	●	●
AM Antenna	●	●
Marantz Remote Bus	●	●
Speaker Terminals	Screw	Screw
AC Outlets (Not for UK Model)	●	2
Headphone Out	●	●
<b>SPECIFICATIONS</b>		
Power Output (8 / 6 Ohm RMS)	80 / 100 W	80 / 100 W
Frequency Response	10 Hz - 50 kHz	10 Hz - 50 kHz
Total Harmonic Distortion	0.08%	0.08%
Damping Factor	100	100
Input Sensitivity: MM	2.5 mV / 47 kohm	2.5 mV / 47 kohm
Signal to Noise Ratio MM / MC	83 dB / -	83 dB / -
Input Sensitivity: High level	200 mV / 20 kohm	200 mV / 20 kohm
Signal to Noise Ratio High Level	95 dB	95 dB
<b>GENERAL</b>		
Available colors: Gold / Silver / Black / Silver-Gold	- / - / ● / ●	- / - / ● / -
Metal Front Panel	●	●
Remote Control	RC002SR	RC002SR
System Remote Function	●	●
Power Consumption	150 W	220 W
Standby Consumption	0.4 W	0.4 W
Detachable Power Cable	●	●
Maximum Dimensions (W x H x D)	440 x 105 x 367 mm	440 x 161 x 388 mm
Weight	7.8 kg	9.0 kg

NA7004



SR5023



SR4023



	ST6003
<b>FEATURES</b>	
Tuner: DAB / DAB+ / FM / AM	- / - / ● / ●
Presets	50 (FM/AM)
Auto Tuning	●
RDS: PTY / PS / RT	● / ● / ●
Full dot matrix display	●
Sleep Timer	●
Display: Dimmer / Off	● / ●
Triple IR-code	●
<b>INPUTS/OUTPUTS</b>	
Analogue Out	2 ch
Marantz Remote Bus	●
FM Antenna	1
AM Antenna	1
<b>SPECIFICATIONS</b>	
<b>TUNER SECTION FM</b>	
Frequency Range	87.5 - 108 MHz
Signal to Noise Ratio (Mono / Stereo)	75 / 70 dB
Total Harmonic Distortion (Mono / Stereo)	0.2 / 0.3 %
Frequency response	50 Hz - 15 kHz
Channel Selectivity (FM)	60 dB
Usable Sensitivity	IHF 1.8 µV/16.4 dBf
Stereo Separation (1 kHz)	45 dB
<b>TUNER SECTION AM</b>	
Frequency Range	531 - 1602 kHz
Signal to Noise Ratio	50 dB
<b>GENERAL</b>	
*Available colors: Gold / Silver / Black / Silver-Gold	- / - / ● / ●
Metal Front Panel	●
Remote Control	via Marantz Remote Bus
Power Consumption	9 W
Standby Consumption	0.4 W
Detachable Power Cable	●
Maximum Dimensions (W x H x D)	440 x 105 x 341 mm
Weight	4.1 kg

\* Not available in all region

Availability of models and its colour may vary from country to country. Marantz reserves the right to change the design and specification due to a policy of continuous product improvements without notice.

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	TT5005
<b>FEATURES</b>	
Motor	DC servo motor
Drive System	Belt drive
Belt	Rubber
Bearing	Metal
Tone arm	Dynamic balanced type
Operation: Automatic / Manual	● / -
Speed: 33-1/3 & 45 RPM	● / ●
Phono EQ built in (switchable)	●
Stylus (MM / MC)	● / -
Stylus version	DSN-82
<b>SPECIFICATIONS</b>	
Wow & flutter	0.15 % WRMS
Effective arm length	195 mm
Optimal stylus pressure	3.5 g
Rated Output	2.5 mV / 1 kHz
Frequency Range	20 Hz - 20 kHz
Rated Output Phono EQ	150 mV / 1 kHz
Frequency Range Phono EQ	20 Hz - 20 kHz
<b>GENERAL</b>	
Available colors: Black / White	● / -
Power Consumption	2 W
Maximum Dimensions (W x H x D)	360 x 97 x 357 mm
Weight	2.8 kg

ST6003





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