

marantz®

AV Receiver SR6001

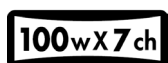


SR6001 AV Receiver

Also black available

According traditional Marantz trademarks, the SR6001 is a non compromise digital surround receiver, built to excel in movie and music reproduction, functionality and ergonomics. It supports all the latest multichannel decoding formats for an impressive, enveloping 360 degree surround sound. Room Calibration by Audyssey MULT EQ automatically optimized the sound to the room. Independent power supply circuits are incorporated for the FL display, audio and video sections for maximum separation, clarity and dynamic range. The SR6001 is built to Marantz standards with refinements such as video conversion and HDMI 1.2 videoswitching with I/P conversion for analogue signals. Together with specially selected high grade components, all elements work in harmony to recreate the emotion, exactly as the artist had intended.

NEW



because music matters

R A N G E S E R I E S

Features

- Innovative 32-bit Digital Signal Processing with THX Surround EX, DD-EX, DTS-ES, DPL IIX, DTS96/24, and CSII
- Wide range full discrete 7 channel Current Feedback power amplifiers delivering 7 x 100 Watt
- Room Calibration by Audyssey MULT EQ
- HDMI 1.2 video switching for digital audio and video
- Upconversion from each analogue video signals to HDMI level including I/P conversion
- Sound delay function (LipSync)
- High grade audio components
- Firmware update through RS-232C port
- Multi room / multi source system
- Dolby Headphone

Benefits

- Provides up to 8 channel audio decoding for any source material at the highest quality
- Excellent frequency response and superb sonic performance for the highest standard such as SACD and DVD-Audio
- The best sound for your room - automatically
- Future proofed connectivity for full digital devices and easy source selection via the receiver
- The highest quality from all analogue sources via a single HDMI connection to the TV set
- Synchronizing the audio and video signal
- to ensure the renowned premium Marantz sound reproduction in multichannel and stereo
- Make today's receiver for tomorrow's standard ready
- Allows independent audio source selection and control in a second room
- Full multichannel enjoyment via your regular stereo headphone

Technological glossary:

Performance to excite

The SR6001 incorporates the latest generation of digital surround sound decoding technology. In addition, Marantz has focused on the future. By utilizing pre-out jacks, 7.1 direct inputs and a RS-232C communication port, the SR6001 is tomorrow's technology, today! The SR6001 incorporates the latest in advanced Digital Signal Processing circuitry, along with a Crystal 192 kHz/24 bit D/A converter in each of the 7 channels. The SR6001 features a discrete, equal power amplifier section for all 7 channels, with superb low impedance driving capability and comprehensive dynamic reserve. A multi-zone function allows you to simultaneously enjoy a different entertainment source in another room. Complemented by a learning system remote control with backlit, the SR6001 is the ideal choice in every home entertainment system.

Latest surround technologies

The SR6001 incorporates the most advanced 32-bit Digital Signal Processing circuitry decoding the latest generation of digital surround sound such as THX Surround EX, Dolby Digital EX, DTS ES, DTS Neo:6, Circle Surround II, and Dolby Pro-Logic IIX. The receiver provides an enveloping 7.1 channel playback of any multi-channel program, whether it's movie soundtracks or music, over the widest possible seating area.

Eight channel audio from any source

Pro Logic IIX is the first and only technology to process any native stereo or 5.1 signal into a 6.1- or 7.1- channel output. A product of Dolby's expertise in surround sound and matrix decoding technologies, Dolby Pro Logic IIX is a complete surround sound solution that maximizes the entertainment experience from stereo as well as 5.1-channel encoded sources. On playback systems with four surround speakers, the result is a more seamless, natural, and enveloping listening experience on everything from stereo music CDs to DVDs encoded in Dolby Digital Surround EX. Until now, processing stereo and 5.1 program sources into 6.1 or 7.1 output channels necessitated that the A/V receiver include a variety of decoders, often from different developers.

In contrast, Dolby Pro Logic IIX decoding does it all, offering a single upgradeable solution for the home theater enthusiast who wants to go from 5.1 channels to 6.1 and 7.1. Dolby Pro Logic IIX technology features Movie and Music modes that function with 5.1 as well as stereo sources, including 24-bit/192kHz and 24-bit/96kHz sources. The Game mode restores the impact low-frequency surround effects by routing them to the system's subwoofer. Dolby Pro Logic IIX technology delivers a natural and immersing 7.1-channel listening experience to the home theater environment.

Surround sound headphone

Dolby Headphone technology allows users to listen to music, watch movies, or play video games with the dramatic surround effects of a 5.1-channel soundtrack through any set of headphones. Best of all, "listener fatigue," a phenomenon commonly associated with headphone playback, is replaced by a spacious, natural sound field that listeners can enjoy for hours.

Current Feedback power amplification

The SR6001 features a fully discrete 7 channel amplifier section capable of delivering 110 watts of high-current amplification, for continuously clean and stable power into each of the 7 channels. It employs a massive toroidal power transformer in combination with high grade oversized filter capacitors. Current Feedback amplification is a well known, Marantz' original circuit technology accomplishments from the HiFi amplifier field. Due to the introduction of Super Audio (Super Audio CD, DVD-Audio) multi-channel software and an increasing amount of universal disc players, AV Receiver/amplifier require a higher performance amplifier not only for digital surround sound from DVD Video via the digital input, but also for analog multi-channel. Even in the DVD Video world the amount of higher quality software increases with formats like DTS 96/24. The Current Feedback amplifier technology fits perfectly with the high requirements set for this Super Audio software providing wide-bandwidth, high-speed reproduction. The impedance at the Current Feedback point is limited resulting in a very low phase shift. The SR6001 therefore can keep the phase compensation via Negative Feedback (NFB) to a minimum, resulting in high through-rate, excellent transient response and superb sonic transparency for the full bandwidth up to 100kHz.

Video conversion up to HDMI

SR6001 is equipped with a high quality video conversion. It can up convert the Composite signal to S-Video/Component and SVideo to Component; as well as down conversion. But it doesn't stop here. All analogue signals can even outputted via HDMI and not to cause any compatibility problems the SR6001 incorporates I/P conversion. This means each signal will be converted from interlace to progressive standard. All this allows you to connect the best possible video cable between the SR6001 and the display and of course you only need one. In order to avoid synchronization and eroded video quality problems, the SR6001 has a high quality video converter equipped with digital video processing. The SR6001 provides you the highest analogue quality from all sources connected via a single component connection.

Room calibration by Audyssey MULT EQ

Audyssey is an acoustic measurement technology which equalizes the acoustic distortion caused by the acoustic behavior of a room. When you experience Audyssey equalization, a cloudy layer is lifted away, leaving only clear, accurate, natural sound. Voices and dialog become focused and intelligible. Musical balance is restored. Musical instruments and sound effects become precisely localized. Surround soundstage is made seamless and enveloping. And the best at least, everything will be done fully automatically with a high quality microphone and a sophisticated audio processing technology started via the setup menu of the AV-Receiver.



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 SR6001 is a clear example of benchmark engineering and craftsmanship and features a number of Marantz sound enhancements like Current Feedback topology amplification which makes the power amplifier in-sensitive to (difficult) loudspeaker loads. It incorporates leading edge digital signal processing, along with a Crystal 192 kHz/24 bit D/A converter in each of the seven channels. All of the digital, analogue and control circuits are separated and extensively shielded in their own enclosures to prevent cross-talk and other unwanted interference. Independent power supplies for the FL display, audio and video sections secure maximum separation, clarity and dynamics. Specially selected high grade components ensure the acclaimed Marantz sound quality. This design configuration is capable of a clear and powerful reproduction of the most demanding action movie soundtracks and full range (multi channels) music discs. Its ability to generate very high output voltages enables it to drive the most demanding speakers with optimum results.

Matching audio and video

The digital processing and scaling of video displays can create a slight delay in the video signal. This delay makes audio tracks appear out of synch. Using sound delay you can slow the sound presentation to match the presentation of the video. The Sound Delay on the SR6001 adjusts in increments of 10ms steps from 0 –200ms.

At the heart of customised home installation

The SR6001 is equipped with a multitude of Component terminals to connect your video source through the centre of your home entertainment. It provides one touch switching of video and audio source with a high quality reproduction and feeds useful information onto the screen via the user-friendly OSD. It features multi room/multi source, speaker A/B switching, 2 assignable DC triggers, 2 flasher inputs, a RS232c communication port, high grade - heavy duty - speaker binding posts and an extensive array of both analog and digital in-outputs. With 7 assignable digital inputs (8 in total), 4 component inputs, SACD Multi-Channel (7.1 channel) direct inputs, and a multi room speaker and OSD output versatility is taken to a new stunning level. With the Marantz audio System placed in the main room of the house, a second loud speakers can be placed at a separate room. In those rooms separately an audio source can be selected at a different sound level, even with full remote controlled functionality.

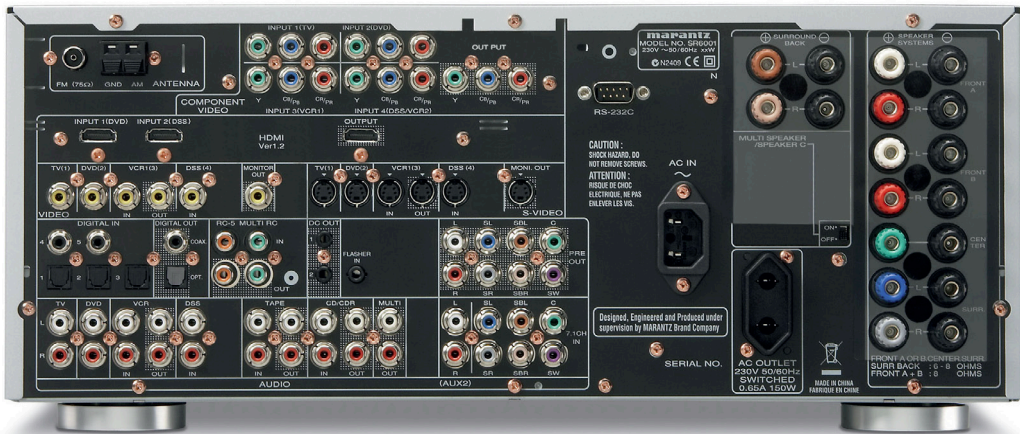
Bypacked accessories

- User manual
- Power cable
- Remote control
- Batteries
- FM antenna
- AM loop antenna
- Microphone
- Front AUX cover

RC5001SR



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FEATURES

MULTICHANNEL SURROUND

- THX Ultra II / Select II -/-
- THX Surround EX -
- DTS 5.1 / DTS ES / DTS 96/24 •/•/•
- Dolby Digital / Dolby Digital EX / DPL / DPL II / DPL Iix •/•/•/•/•
- Circle Surround II •
- Virtual Surround / Multichannel Stereo •(Dolby VS)/•
- HT-EQ / Re-EQ •/-
- Headphone Surround Dolby Headphone
- HDCD Decoder
- WMA Pro / WMA / MP-3 decoder -/-

SOUND ENHANCEMENTS

- Current Feedback Topology •
- Real full channel power drive (70%) •
- Discrete Amplification (All) •
- Pure Direct -/-
- Power Transformer: Super Ring/ Toroidal/EI -/-
- Linear Drive Power Supply (LDPS) •
- Copper Plated Chassis •
- DAC (192kHz/24-bit / 96kHz/24-bit) •
- Digital Processing: (32-bit / 64-bit) •
- System block shielding: Copper / Metal -/-
- High Grade Audio Components -
- Customised Components -
- HDAM: (Standard / SA / SA2 / Current Feedback) -/-
- Intelligent Silent Cooling system -
- Chassis : (Die-cast / Copper plated / Metal) -/-
- Chassis Stabilisation Bracing -
- Double Layer Bottom Plate -

OTHERS

- MRAC (Marantz Room Audyssey MultEQ
- Acoustic Corrections)
- Easy setup
- Front panel cursor control
- On Screen Display: main / multiroom
- Variable cross over 8 points
- Lip sync control
- Video • (CVBS <> S <> Comp > conversion HDMI)
- T.B.C. - time base correction
- HDMI video switching
- HDMI up conversion
- HDMI IP conversion
- Multiroom zones 1
- Speaker A/B •
- Bi-amp drive (5.1 ch setting) / Speaker •
- C •
- Tuner 1
- GYRO Touch Tuning -
- Random Tuner Presets 60
- RDS: PTY/PS/CT/TA/TP •/•/•/•
- Auto TV Switching (On/Off) •
- Discrete RC coding (Main- / Multiroom) •
- RS232C (control / update) •

IN/OUTPUTS

- VIDEO**
- Composite In/Out 4/2
- S-Video In/Out 4/2
- Component In/Out 4/1
- HDMI in/out (version x.x)** 2/1(V1.2)
- Multi-Room Video Out: CVBS / S-Video / Component -/-
- AUDIO**
- Analogue In/out 6/4
- Digital Optical In/Out 3/1
- Digital Coaxial In/Out 2/1
- IEEE 1394 - Firewire - i-Link -
- Multi-Room Audio Out 1
- Pre Out / Main In (7.1ch) •
- Multichannel in •
- Headphone Out •

OTHER

- Speaker Terminal: Gold plated screw / regular screw -/•
- Multi-Room Speaker Terminal •
- Multi-Room D.Bus In/Out •
- D.Bus In/Out •
- IR Receiver In / Emitter Out -/-
- IR Flasher In 1
- RS232C •
- DC Triggers 1
- Front Inputs: Audio / Composite / S-Video / Digital (Opt) •/•/•/•
- I-Pod input (direct / docking station) -/•

SPECIFICATIONS

AUDIO SECTION

- Power Output (8/4 Ohm RMS) 100/- Watts
- Signal to Noise Ratio 105 dB
- D/A Converter CS4382A
- Digital Signal Processor TMS320DA708

TUNER SECTION FM

- Frequency Range 87.5-108.00 MHz
- Signal to Noise Ratio (mono/ stereo) 75/70 dB

TUNER SECTION AM

- Frequency Range 531-1602 kHz
- Signal to Noise Ratio 50 dB

VIDEO SECTION

- Input level/impedance 1 Vp-p/75 ohm
- Output level/impedance 1 VP-p/75 ohm
- Video frequency response 5-30MHz
- Component frequency response 5 to 80MHz

GENERAL

- Available colors: Platinum/Gold/ Silver/Black -/•/•/•
- Metal Front Panel •
- System Remote Control RC8001SR
- Pre-programmed / Learnable / Touch •/•/•
- Screen 1
- Power Consumption t.b.f.
- Detachable Power Cable •
- Maximum Dimensions (W x D x H) 440x396x184
- Weight t.b.f.

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

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