

marantz®

AV RECEIVER

SR9300



Black available

SR9300 THX Ultra2 Digital Surround Receiver

NEW

With 'Reference standard' enhancements like THX Ultra 2, Circle Surround II, 'Precision 32-bit' decoding and improved RS232C upgradability, the SR9300 carries the latest Marantz trade mark of excellence in home cinema. From raging thunder to subtle details in music you'll enjoy the soundstage as pure and realistic as it can be reproduced. Accompanied by the RC3200 learnable remote control the SR9300 is an unrivalled continuation of the Marantz legacy in Home Entertainment solutions.



R A N G E S E R I E S

because music matters

Features:

- Most advanced New Digital Signal Processing: THX Ultra2, Precision 32-bit decoding Dolby Digital and DTS, 96/24 decoding DTS and Circle Surround II
- Wide range full discrete Current Feedback amplifiers
- Adaptive Double Differential Control (A.D.D.C.) for stereo playback
- Precision 32-bit decoding
- Multi room system
- Firmware update through RS-232C port
- Scart connector with RGB video switching
- Top grade audio components
- Bi-directional RC3200 Remote Control and Marantz D-BUS system

Benefits:

- Ensures the best aural characteristics in differently encoded movie and music content. Benefits are an extended dynamic range, improved transparency, separation and imaging which all result in a dramatically improved sense of realism.
- Excellent frequency response and superb sonic performance for the highest standard such as SACD and DVD-Audio
- Utilizing two DACs per channel in opposite phase, offering the most superb and detailed soundstage and -accuracy
- Let's you enjoy a smoother and more realistic surround reproduction for both DD and DTS material
- Allows audio and video source selection and control of a second room
- Make today's receiver for tomorrow's standard ready
- Ultimate video quality and automatic switching
- To ensure the renown premium Marantz sound reproduction
- Flexible system integration and total control by using one remote handset

Technological glossary:

The future at your fingertips

Based on the extremely successful SR9200 concept, the SR9300 represents cutting-edge technology and innovation with several unique Marantz sound enhancements. The THX Ultra2



specification provides uncompromised 7.1 channel playback of any multi-channel program, whether it's movie soundtracks or music, over the widest possible seating area. With a fully discrete 7 channel amplifier section capable to deliver 160

watts of high-current amplification, the SR9300 delivers a continuously clean and stable power into each of the seven channels. Designed and engineered with extensive feed-back from custom installation experts, dealers and consumers the SR9300 versatility is taken to a new stunning level. Ease of control during setup and operation is guaranteed through the RC3200, with two-way communication which will display the status of the SR9300 on the back-lit touch screen panel.

THX Ultra2, Advanced Speaker Array & Boundary Gain Compensation

The SR9300 features THX Ultra2 which incorporates two additional processing technologies: Advanced Speaker Array (A.S.A.) and Boundary Gain Compensation (B.G.C.). ASA is a proprietary THX technology which processes the sound fed into 2 surround and 2 surround back speakers to provide the optimum in enveloping surround sound reproduction. When placing the 2 surround back speakers close to each other and building your home theater setup using 8 speakers, ASA will create the largest possible sweet spot in your surround soundfield. ASA is used in 2 new surround modes: THX Ultra2 Cinema mode and THX Music mode. THX Ultra2 Cinema mode plays 5.1 movies using all 8 speakers, processing the side surround speakers and back surround speakers providing the optimal mix of ambient and directional surround sounds. For the replay of multi-channel music the THX Music Mode ASA processes the surround channels of all 5.1 encoded music sources such as DTS and Dolby Digital to provide a wide stable and natural rear soundstage.

Notes: Both modes are only available having a 7.1 speaker system (2 back surround speakers) and the input signal has surround left and Surround Right content!

Boundary Gain Compensation provides an optimised bass balance in case the listening room layout results in most of the listeners being seated close to the rear wall. This technology prevents a 'boomy' bass yet processes the appropriate bass reinforcement.

THX Surround-Ex

THX Surround-Ex brings a new dimension of depth, spacious ambience and sound localization to home theatre environment. Feature films originally released in Dolby Digital Surround EX carry the encoded third surround channel in their subsequent DVD releases, as well as onto 5.1-channel digital satellite and terrestrial TV broadcasts. The benefits of Surround EX include more realistic flyover and fly-around effects, a more stable image for atmospheres and music, and a more consistent surround effect throughout the auditorium or home viewing area. The SR9300 provides this effect via two additional Surround Back channels. The overall effect is one of phenomenal sonic realism, and audible sense of 'being there' that has never before been realised at home.

DTS-ES, 96/24 decoding

The DTS-ES surround system offering a superb sound quality and a range of formats. The Discrete 6.1 offers the ultimate quality of surround field creation, while the Matrix 6.1 provides compatibility for the existing DTS 5.1 software. And the Neo:6 is to create 6.1 surround stage from any two channel source. DTS 96/24 allows for 5.1 channel sound track encoding at a rate of 96kHz/24 bits on DVD-Video titles. Higher sampling rates provide greater bit depth and allow a wider frequency response. In conjunction with the use of anti-alias and reconstruction filters DTS 94/24 results in a more transparent sound quality equivalent to the original soundtrack and is fully backwards compatible at the same time.

Dolby Pro Logic II

Dolby Pro Logic is capable of producing a Multi Channel soundstage using only a two channel source, meaning that normal TV broadcast can only be decoded using this decoding technique. Now the standard is being succeeded by the Dolby Pro Logic II format, offering the full frequency range across all channels and even with a stereo soundfield on the surround speakers. This experience of two channel decoding adds a more realistic element to watching TV and is fully compatible with the Dolby Pro Logic standard.

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 SR9300 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. In 2-channel mode, DACs reassigned and will automatically switch to dual differential mode for a highest possible D/A conversion quality. 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. Hand-selected high grade customised components, gold-plated terminals and a copper plated chassis all work in harmony. It employs an extensively braced and shielded, massive super ring toroidal power transformer in combination with quad marantz blue, oversized filter capacitors. To achieve a top-notch competitiveness Marantz has also designed a new intelligent cooling system and a high efficiency heatsink. 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.

At the heart of customised home installation

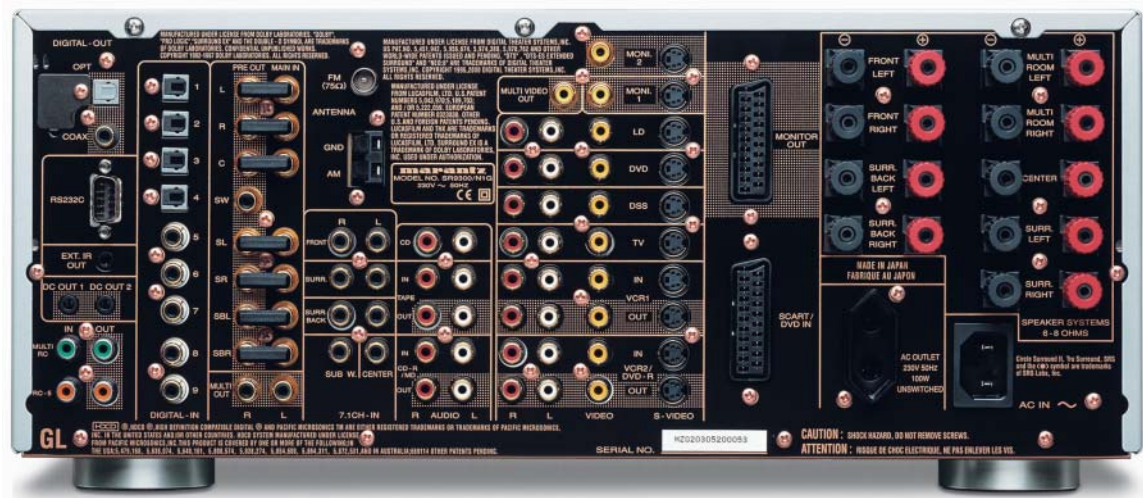
The SR9300 is equipped with two scart terminals to connect your video source through the centre of your home entertainment. It provides one touch switching of video and audio source with a high quality reproduction and feeds useful information onto the screen via the userfriendly OSD. It features multi room/multi source, 2 assignable DC triggers, a RS232c communication port, high grade - heavy duty - speaker binding posts and an extensive array of both analog and digital in-outputs. With 9 assignable digital inputs (10 in total), 1 scart input, SACD Multi-Channel (7.1 channel) direct inputs and a multi room speaker and OSD output versatility is taken to a new stunning level. To allow the connection of a separate digital multi-channel decoder, the SR9300 has an 7.1 input of which each channel is completely independent. This input is connected to the power amplifiers with only volume control in between. Future technologies can therefore be easily incorporated and making this AV receiver future proof. 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. Not only sound but even video signals can be handled in such a way that in the separate room a video source with OSD feature can be selected.

Bypacked Accessories

- User manual
- Power cable
- Remote control
- Batteries
- FM antenna
- AM loop antenna

RC3200





SR9300

Preliminary Specifications

FEATURES

MULTICHANNEL SURROUND
 THX Certification Ultra 2
 THX Surround EX THX Surround EX
 DTS ES(Matrix/Discrete), Neo:6, DTS96/24
 Dolby Digital DD / DD-Ex
 Dolby Pro Logic DPL / DPL II
 Circle Surround 6.1
 Virtual Surround
 Multi Channel Stereo
 Other Surround Modes Movie, Hall, Matrix
 Headphone Surround
 Auto Surround Mode Detection
 HDCD Decoder

SOUND ENHANCEMENTS

Current Feedback Topology
 Discrete Amplification (All)
 Power Transformer Toroidal
 Linear Drive Power Supply
 Copper Plated Chassis
 D/A Conversion 192kHz/24bit All Channel
 A/D Converter 96kHz / 24bit
 Digital Signal Processing 24bit, Precision 32bit
 Decoding
 Digital Signal Processor CS49329 + CS49330
 Adaptive Double Differential Control
 Video Off
 High Grade Component Video Switching
 Source Direct
 System Blocks Shielding
 High Grade Audio Components
 Customised Components
 Intelligent Silent Cooling system
 Chassis Stabilisation Bracing

OTHERS

GYRO Touch Tuning
 Random Tuner Presets 50
 RDS PS, PTY, RT
 Speaker Distance Correction
 On Screen Display Main / Multi Room
 Auto TV Switching (On/Off)
 Software Upgradable (RS-232)

IN/OUTPUTS

VIDEO
 Scart In/Out 1/1
 Composite In/Out (incl monitor out) 7/4
 S-Video In/Out (incl monitor out) 7/4
 Component In/Out
 Gold Plated In/Out (Cinch)
 AUDIO
 Analogue In/out 10/4
 Digital Optical In/Out 5/1
 Digital Coaxial In/Out 5/1
 Gold Plated In/out
 OTHER
 Pre-Amplifier Out 7.1 channels
 Main Amplifier In 7
 Multi-Channel In 7.1 channels
 Speaker Terminal Heavy Duty Screw, 7 channels
 Multi-Room Audio Out
 Multi-Room Video Out CVBS
 D.Bus In/Out
 Multi-Room D.Bus In/Out
 External IR In/Out
 IR Flasher In
 RS232C
 DC Triggers 2, assignable
 AC Outlets (Not for UK Model) 1 x Unswitched
 Front Inputs Audio/Composite/S-Video/Digital(Opt)
 Headphone Out

SPECIFICATIONS

AUDIO SECTION
 Power Output 160W/ch (6 ohm)
 Signal to Noise Ratio 106 dB
 Freq. Response (Analogue In) 8Hz - 80 kHz (+/- 3dB)
 Freq. Response (Dig In) 8Hz - 45 kHz (+/- 3dB)
 Input Sensitivity/Impedance 195 mV / 47kohm
 TUNER SECTION FM
 Frequency Range 87.5 - 108 MHz
 Signal to Noise Ratio 75 / 70 dB (mono/stereo)
 Distortion (Mono/Stereo) 0.2 / 0.3 %
 Channel Selectivity 60 dB (+/-300kHz)
 Usable Sensitivity 1HF 1.8uV / 16.4 dBf
 Channel Separation 45 dB (1kHz)
 TUNER SECTION AM
 Frequency Range 152-282kHz (LW), 531-1602kHz (MW)
 Signal to Noise Ratio 50 dB
 Distortion 0.5% (400Hz 30% mod)
 Channel Selectivity 70 dB (+/-18kHz)

GENERAL

Color Black / Silver
 Metal Front Panel
 Remote Control RC3200
 System Remote Function Learning/Touch
 Screen/2-way
 Power Consumption 530 W
 Detachable Power Cable
 Maximum Dimensions (W x D x H) 440 x 184 x 480 mm
 Weight 19.5 kg

Design and specifications are subject to change by Marantz without notice

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