

marantz®

AV RECEIVER

SR5400 OSE



Black available

SR5400 Original SE AV Receiver

NEW

SR5400 Original SE is the Marantz self-tuned version of the SR5400. To dramatically improve the sound quality, all the components are critically examined, after which it is possible to determine where customisation is needed. At the end of this detailed process the power supply lines are enforced and the audio circuitry is tremendously tweaked up. This custom treatment gives a much more consistent response in entire frequency range. Musical reproduction is characterized by improved transparency and image, as well as tonal accuracy. The Marantz SR5400 Original SE features like its base model DTS ES, NEO:6 decoding, Dolby Pro Logic II and Circle Surround 6.1. Highly accurate 96kHz/24-bit audio D/A converters handle the analog to digital conversion, resulting in more faithful sound quality compared to the original source. Experience your movies and music in dynamic Marantz style.

24 BIT 192 kHz

6.1CH IN/OUT

COMPONENT VIDEO IN/OUT

PRE-PROGRAMMED SYSTEM REMOTE

80wX6ch

DOLBY DIGITAL EX PRO LOGIC II

EXTENDED dts 96 ES 24 NEO:6 SURROUND

CS II™ by SRS

SRS TruSurround XT HEADPHONE

CUSTOMISED CAPACITORS

R A N G E S E R I E S

because music matters

Features:

- Latest generation of DSP from Cirrus Logic decodes DTS ES, 96/24 decoding, Dolby Digital EX, Dolby Pro-Logic II and Circle Surround 6.1
- Wide range full discrete amplifiers with 90W RMS per channel
- 6.1 Channel direct input
- Component Video in/out
- High Grade Video Switching with Video Off
- Firmware update through RS-232C port
- TruSurround Headphone
- Pre-programmed system Remote Control and Marantz D-BUS system

Benefits:

- Provides excellent characteristics in differently encoded movie and music soundtracks. The advantages are an extended dynamic range, improved transparency, separation and imaging resulting in an enveloping realistic and natural soundstage.
- Excellent frequency response and superb sonic performance for the highest standard such as SACD and DVD-Audio
- Direct connection of analogue feeds to allow connection of multi channel formats like SACD
- High quality video connection for maximized video content reproduction
- Flexibility in source selection, optimised audio and video quality
- Make today's receiver for tomorrow's standard ready
- Personalised realistic surround sound reproduction
- Flexible system integration and total control by using one remote handset

Technological glossary:

Our specialty

Our OSE products are based on exciting audio devices within the Marantz range and are upgraded to very high standards. Therefore our OSE products exceed every expectation. Designed with the greatest care for construction and component use, these products have really become a Marantz trademark in terms of value for money. The SR5400 Original SE is capable of generating 90 watts of discrete power into all 6 channels. The large power supply incorporates a high current power transformer, with ample capabilities to drive low impedance loudspeakers. The SR5400 Original SE incorporates an extensive array of digital and analog audio and video connections to accommodate a wide variety of multiple program sources. Music reproduction is enhanced through a highly efficient source direct switch, which bypasses the entire A/V section in audio mode. In direct mode, interference and disturbance by radiated electrical or magnetic fields are minimized, ensuring the shortest signal path for the highest degree of clarity and detail.

Customised components

Every Marantz product is designed with a fine ear and eye for details. The designers have to know the characteristics of every component. On paper the component might look excellent but the result may fall short of the combined design expectations. Therefore Marantz collects vast amounts of information upon specific component performance capabilities. The result guarantees Marantz selects the appropriate components for the specific design application. The sonic result is then critically acclaimed by international reviewers. In other cases it's simply not possible to use standard components that meet the high Marantz standards. These components will then be specially made for Marantz only in co-operation with the Marantz engineers.



Dolby Digital EX

Dolby Digital EX brings a new dimension of depth, spacious ambience and sound localization to home theater environment. The benefits of DD-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.

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 music and movie

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.

CS II

Circle Surround II is a powerful and versatile multi-channel technology designed to enable up to 6.1 multi-channel surround-sound playback from mono, stereo, CS encoded sources and other matrix encoded sources. CS-II places the listener "inside" the music performances and dramatically improves the separation and image positioning of both hi-fi audio conventional surround-encoded video material, adding a heightened sense of realism.

Experience the emotion

Music and sound track reproduction is enhanced through a highly efficient source direct switch, which bypasses the total A/V section in audio mode. In direct mode, interference and disturbance by radiated electrical or magnetic fields are minimized, ensuring the shortest signal path for the highest degree of clarity and detail. Highly accurate 192kHz/24-bit audio D/A converters process the analog to digital conversion, resulting in a far more faithful sound quality compared to the original source. It encompasses the Marantz heritage with refinements such as a metal alloy faceplate, a efficient video off mode and high grade components.

Convenience & Functionality's

The SR5400 Original SE presents multiple surround modes, like hall, stadium, virtual, matrix, movie and 6-channel stereo. The extensive feature list, such as auto preset tuning (program up to 30 stations), manual station naming, display dimmer, delay function and clock/timer characterize the functionality of the SR5400 Original SE. An easy-to-use programmable, learning remote control allows full access to all of the operating functions and can be used for system operation as well. The unique Marantz D-BUS connection allows convenient linkage to other Marantz components. With the Marantz audio system placed in the main room of the house, a second pair of loudspeakers can be placed at a separate room. In those rooms an audio source can be selected separately 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.

In Marantz style

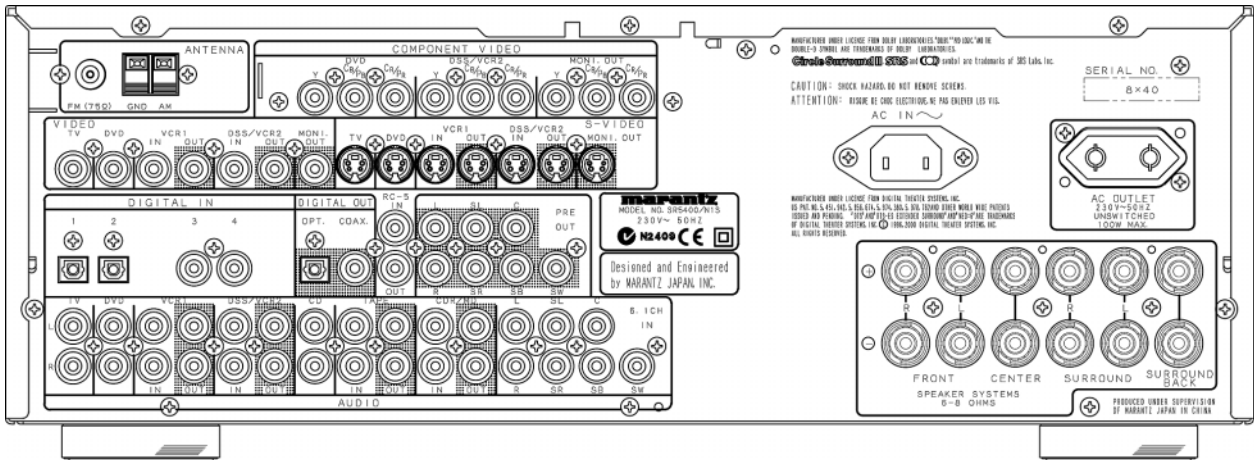
To control entire system with one remote handset, Marantz has designed the D.Bus system. Individual devices inform each other and remote control commands are communicated via this bus line. The SR5400 Original SE comes with a pre-coded remote control, for full intuitive and extensive system control.

Bypacked Accessories

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

RC5400SR





SR5400 OSE

Preliminary Specifications

FEATURES

MULTICHANNEL SURROUND
 THX Certification -
 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 -
 Headphone Surround TruSurround Headphone
 Auto Surround Mode Detection
 HDCD Decoder -

SOUND ENHANCEMENTS

Current Feedback Topology -
 Discrete Amplification (All) •
 Power Transformer EI
 Linear Drive Power Supply -
 Copper Plated Chassis -
 D/A Conversion 192kHz/24bit All Channel
 A/D Converter 192kHz / 24bit
 Digital Signal Processing 32bit
 Digital Signal Processor CS49400
 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 •
 Auto TV Switching (On/Off) •
 Software Upgradable (RS-232) -

IN/OUTPUTS

VIDEO
 Scart In/Out -/-
 Composite In/Out (incl monitor out) 5/3
 S-Video In/Out (incl monitor out) 5/3
 Component In/Out 2/1
 Gold Plated In/Out (Cinch) -
 AUDIO
 Analogue In/out 8/4
 Digital Optical In/Out 2/1
 Digital Coaxial In/Out 2/1
 Gold Plated In/out -
 OTHER
 Pre-Amplifier Out 6.1 channels
 Main Amplifier In -
 Multi-Channel In 6.1 channels
 Speaker Terminal Heavy Duty Screw, 6 channels
 Multi-Room Audio Out -
 Multi-Room Video Out -
 D.Bus In/Out •
 Multi-Room D.Bus In/Out -
 External IR In/Out -
 IR Flasher In -
 RS232C -
 DC Triggers -
 AC Outlets (Not for UK Model) 1 x Unswitched
 Front Inputs Audio/Composite/S-Video
 Headphone Out •

SPECIFICATIONS

AUDIO SECTION
 Power Output 90W/ch (8 ohm)
 Signal to Noise Ratio 105 dB
 Freq. Response (Analogue In) 10Hz - 100kHz (+/- 3dB)
 Freq. Response (Dig In) 8Hz - 45 kHz (+/- 3dB)
 Input Sensitivity/Impedance 168mV / 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 531-1602kHz (MW)
 Signal to Noise Ratio 50 dB
 Distortion 0.5% (400Hz 30% mod)
 Channel Selectivity 60 dB (+/-18kHz)

GENERAL

Color Black / Silver
 Metal Front Panel •
 Remote Control RC5400SR
 System Remote Function Pre-Coded
 Power Consumption t.b.d.
 Detachable Power Cable •
 Maximum Dimensions (W x D x H) 440 x 160 x 463 mm
 Weight t.b.d.

Design and specifications are subject to change by Marantz without notice

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