

# marantz®

## AV RECEIVER

### SR5400



Black available

### SR5400 AV Receiver

## NEW

The Marantz SR5400 Digital Surround Receiver is a high-performance, high-power home theater receiver that offers outstanding home theater surround sound quality and operational flexibility. It features DTS ES, NEO:6 decoding, Dolby Pro Logic II and Circle Surround 6.1. The SR5400 features an equal power amplifier section, with high current discrete output on all channels. Highly accurate 96kHz/24-bit audio D/A converters handle the analogue to digital conversion, resulting in more faithful sound quality compared to the original source. It is built to Marantz standards with refinements such as a metal faceplate, video off mode and high grade components. Experience your movies and music in dynamic Marantz style. The SR5400 comes complete with an easy-to-use pre-programmed remote control, for totally integrated home entertainment.

**6.1CH** IN/OUT

**COMPONENT VIDEO**  
IN/OUT

**S-VIDEO**  
IN/OUT

**90wX6ch**

**DOLBY**  
**DIGITAL EX**  
**PRO LOGIC II**

**EXTENDED**  
**dts** 96 ES  
24 NEO:6  
**SURROUND**

**CS II™**  
by **SRS**

**SRS**  
**TruSurround XT**  
HEADPHONE

**24 BIT** 192 kHz

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:

### Power Your Home Theater

The SR5400 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 incorporates an extensive array of digital and analog audio

### 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 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. 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**

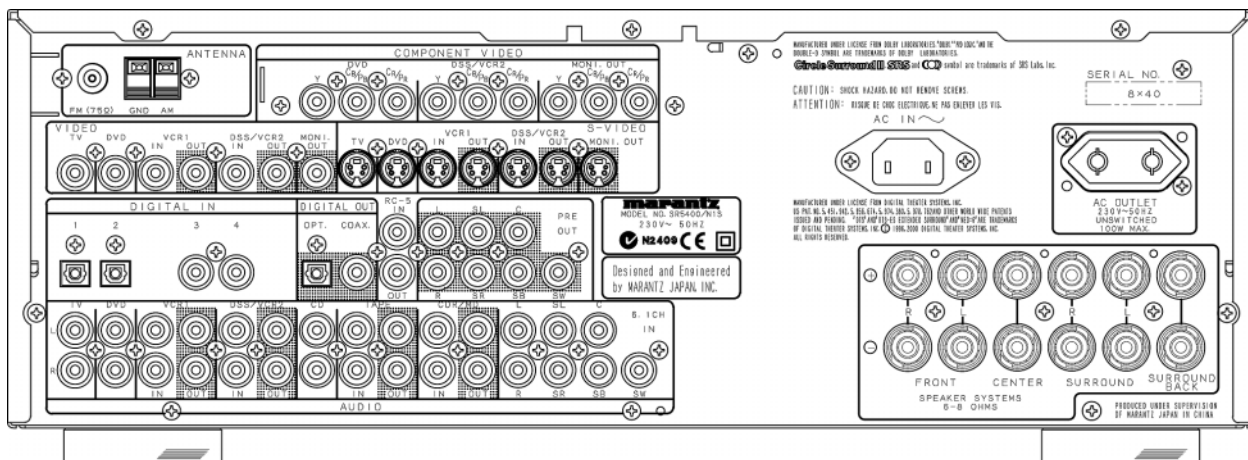
To control entire system with one remote handset, Marantz has designed the D.Bus system. Individual devices inform each other and remote control commands are communicated via this bus line. The SR5400 comes with a pre-coded remote control, for full intuitive and extensive system control.

## **Bypacked Accessories**

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

### **RC5400SR**





## SR5400

## 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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