

# marantz®

## AV RECEIVER

### SR4400



Black available

### SR4400 AV Receiver

## NEW

The Marantz SR4400 represents an outstanding combination of home theater receiver performance, features and flexibility along with reknown Marantz sound quality. It's the ultimate choice for a wide variety of high performance 6.1-channel home theater systems, offering compatibility with Dolby Digital, Dolby Pro Logic II and DTS decoding. Experience the true excitement of a movie soundtrack through 96kHz/24-bit audio D/A conversion and experience the ultimate functionality of having a wide variety of analogue and digital video and audio inputs, outputs and switching facilities, including S-video switching. You're in control if the SR4400 drives your entertainment system.



because music matters

R A N G E S E R I E S

## Features:

- Latest generation of DSP from Cirrus Logic decodes DTS ES, Dolby Digital EX, Dolby Pro-Logic II and Circle Surround 6.1
- Wide range of full discrete amplifiers with 80 Watts per channel
- 6.1 Channel direct input
- Easy Setup
- Heavy duty speaker terminals
- Source direct
- 6.1 Pre-amp outputs
- Pre-programmed system Remote Control and Marantz D-BUS system

## Benefits:

- Provides stunning reproduction of differently encoded movie and music soundtracks.
- 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
- Allows simplified optimized speaker distance setup in surround configurations
- Allows for connection with high quality speaker cables for optimized sound quality
- Allows critical audio enthusiasts to bypass the complete video signal circuitry for reduced interference, resulting in audiophile sound quality
- Provides a logical upgrade path to a more powerful home theatre system using external amplifiers.
- Flexible system integration and total control by using one remote handset

## Technological glossary:

### Power and performance

The SR4400 delivers a generous 80 watts (into 8 ohms) of discrete power into each of its six main channels and includes a full selection of performance and convenience features. Endless enjoyment is available at the touch of a button, via an easy to use on-screen menu, AM/FM tuner with 30- station preset memory and full remote control operation. In audio mode, the source direct function is extremely efficient for optimized clarity and detailed musical reproduction. It bypasses the entire A/V section, including the D/A and A/D conversions to realize the shortest signal path, for minimal interference and disturbance by radiated electrical or magnetic fields. The SR4400 also includes 6.1-channel pre-amp outputs, providing a ready upgrade path to a more powerful home theater system using external amplifiers. The large power supply incorporates a high current power transformer, with ample capabilities to drive low impedance loudspeakers.

### 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

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.

### 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 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 SR4400 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 SR4400.

The SR4400 incorporates an extensive array of digital and analog audio and video connections to accommodate a wide variety of multiple program sources. It also features pre-amp outputs and a multi-language on-screen display.

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. For easy speaker distance correction an easy setup function complements the functionality of the SR4400.





## SR4400

## Preliminary Specifications

### FEATURES

MULTICHANNEL SURROUND	
THX Certification	-
THX Surround EX	-
DTS	ES(Matrix/Discrete), Neo:6
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, Stadium
Headphone Surround	-
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	96kHz / 24bit
A/D Converter	96kHz / 24bit
Digital Signal Processing	24bit
Digital Signal Processor	CS49326
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	30
RDS	PS, PTY, RT
Speaker Distance Correction	•, Easy Setup
On Screen Display	-
Auto TV Switching (On/Off)	-
Software Upgradable (RS-232)	-

### IN/OUTPUTS

VIDEO	
Scart In/Out	-/-
Composite In/Out (incl monitor out)	4/3
S-Video In/Out (incl monitor out)	2/2
Component In/Out	-
Gold Plated In/Out (Cinch)	-
AUDIO	
Analogue In/out	7/4
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 Switched
Front Inputs	-
Headphone Out	•

### SPECIFICATIONS

AUDIO SECTION	
Power Output	80W/ch (8 Ohm)
Signal to Noise Ratio	95 dB
Freq. Response (Analogue In)	8Hz - 70kHz (+/- 3dB)
Freq. Response (Dig In)	8Hz - 45 kHz (+/- 3dB)
Input Sensitivity/Impedance	360mV / 47kohm
TUNER SECTION FM	
Frequency Range	87.5 - 108 MHz
Signal to Noise Ratio	76 / 72 dB (mono/stereo)
Distortion (Mono/Stereo)	0.2 / 0.3 %
Channel Selectivity	60 dB (+/-300kHz)
Usable Sensitivity	IHF 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	70 dB (+/-18kHz)

### GENERAL

Color	Black / Silver
Metal Front Panel	-
Remote Control	RC5400SR
System Remote Function	Pre-Coded
Power Consumption	325W
Detachable Power Cable	•
Maximum Dimensions (W x D x H)	440 x 164 x 365 mm
Weight	12.5kg

Design and specifications are subject to change by Marantz without notice

[www.marantz.com](http://www.marantz.com)

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