

SR4600

DOLBY DIGITAL EX® /DTS ES® SURROUND RECEIVER



The SR4600 boasts 7.1 channel capability. Each of the 7 built-in amplifiers produces 80 watts RMS. You'll enjoy Dolby Digital EX and DTS ES soundtracks thanks to 32-Bit processing. Other surround formats include Dolby Pro Logic IIx, dts Neo:6, and SRS Circle Surround 6.1. Advanced 192kHz/24-Bit D/A converters mean you'll hear everything with total accuracy. Connectivity? Extensive. There's a battery of audio and video inputs and outputs. Full Composite to S-Video conversion, too, for optimal picture clarity. Want audiophile performance? Depend on Pure Direct and Video Off modes to help you listen further into the music. Other features include a unique Simple Setup so you can enjoy your system quickly and effortlessly. The AM/FM tuner has 50 custom-name presets. The SRS TruSurround headphone output means you can be surrounded without disturbing anyone. There's a remote control and a three-year warranty for your peace of mind.

- 80 Watts (into 8 ohms) x 7 ch Amps
- Dolby Digital EX®, Pro Logic IIx® (Movie/Music/Game)
- DTS 96/24, ES® (Discrete 6.1/Matrix 6.1), Neo:6 (Cinema/Music)
- SRS Circle Surround II® (Cinema/Music/Mono)
- All Discrete Amplifier Stages
- 192kHz/24-Bit D/A Converters for all Channels
- 32-Bit DSP
- Multi Channel Stereo Mode
- SRS TruSurround Headphone
- Surround Speaker "B" Output
- Simple Setup Menu
- Pure Direct Mode
- Video Off Mode
- Simple Video Up-conversion: Composite to S-Video
- S-Video Switching (2 in/1 out)
- Component Video Switching (2 in/1 out)
- Composite Video Switching (4 in/3 out)
- 8 Ch Pre-amplifier Outputs
- 8 Ch Direct Inputs
- 4 Assignable Digital Inputs (2 optical/2 coaxial)
- 2 Digital Outputs (1 optical/1 coaxial)
- 50 Station Presets
- Manual Station Naming
- D-BUS (RC-5 In/Out) Remote Connection
- 1 Switched and 1 Un-switched AC Convenience Outlets
- HDCD™ Decoder
- Detachable AC Cord
- Pre-programmed System Remote
- Available in Black and Silver



marantz®
LIFE AMPLIFIED™



FEATURED OPTICS

MULTICHANNEL/SURROUND

Number of Channels	7
THX	-
DTS (ES, Discrete 6.1/ Matrix 6.1, Neo-6)	• (+ 96/24)
Dolby Digital EX	•
Dolby Pro Logic IIx	•
Circle Surround II	•

SOUND ENHANCEMENTS

HDCD Decoder	•
Current Feedback Topology	-
Discrete Amplification	• (All 7ch)
Power Transformer	EI
D/A Conversion	192kHz/24-Bit
Digital Signal Processing	Cirrus Logic® 32-Bit
Video Off	•
Source Direct	•
Chassis	Metal
Variable X-over	•
Display Off	•
Video Up-conversion	Up to S-Video
M.R.A.C. (Marantz Room Acoustic Calibration)	-
XM-Ready	-
Dual AM/FM Tuner	-
Bass Management	-
Lip-sync (digital Audio Delay)	-
Software Upgradeable (RS232)	-

IN/OUTPUTS

VIDEO

HDMI In	-
Component In	2
S-Video In	3
Composite In	4
HDMI Out	-
Component Out	1
S-Video Out	2
Composite Out	3

AUDIO

Analog L&R In	7
Analog L&R Out	4
Digital Optical In	2
Digital Coaxial In	2
Digital Optical Out	1
Digital Coaxial Out	1
IEEE1394 Connection	-

IN/OUTPUTS Continued

OTHER

Pre-Amplifier Out	8ch
Main Amplifier In	-
Multi-Channel In	8ch
Multi-Room Audio Out	-
Multi-Room Video Out	-
Multi-Room Speaker Out	-
Speaker A/B	Surround Back Channels
DAVED Technology	-
External Control (RS232C)	-
DC Triggers	-
D-Bus Remote (RC-5) In/Out	1/1
External IR In/Out	-
Front Panel A/V Inputs	-
Headphone Out	• (SRS TruSurround Headphone)
AC Outlets (Switched/Unswitched)	1/1

SPECIFICATIONS

AUDIO SECTION

Power Output (8 Ohm)	80W x 7 (0.08%, 20Hz - 20kHz/THD)
S/N Ratio	105dB
Freq. Response (Analog In)	8Hz - 100kHz (+/- 3 dB)
Freq. Response (Dig In)	8Hz - 45kHz (+/- 3 dB)

TUNER SECTION FM

Frequency Range	87.5 - 108.0MHz
S/N Ratio (Mono/Stereo)	Mono/Stereo 75/70 dB

TUNER SECTION AM

Frequency Range	520 - 1710kHz
S/N Ratio	50 dB

VIDEO SECTION

Video Freq. Response (Component)	5Hz - 80MHz (- 1 dB)
Video Freq. Response (Composite, S-Video)	5Hz - 8MHz (- 1 dB)
Signal to Noise	60dB

GENERAL

Color	Black/Silver
Front Panel	Aluminum
Remote Control	Pre-Coded System Remote RC5500SR
Power Requirement	AC 120V/60Hz
Power Consumption	314W
Dimensions W x H x D (Inches)	17 ^{5/16} " x 6 ^{1/16} " x 15 ^{1/8} "
Weight (lbs.)	26.5



*All specifications, dimensions and weights are subject to change without notice. D&M Holdings, Marantz, Marantz America, Inc. or any of its subsidiaries will not assume any liability for errors in this spec sheet which may result in consequential errors being made by retail dealers, designers, custom installers, cabinet makers or end users, etc based upon information contained within this document.