

Heart and Soul

The 2007 range of Marantz AV products combine high quality reproduction with the latest in high-tech features. Which means that whatever media you play, with Marantz you are assured the highest of high fidelity. You are also assured of the latest features. For example, MRAC / Audyssey technology will automate set-up and correct room acoustics with equaliser functions.

Other features include adjustable cross-over settings, HDMI, and a special video conversion that enables an easy single-cable connection between receiver and TV.

Also, any source equipment can be connected to the receiver, whether it is simple video, s-video or component signal. On the higher-end models, from SR-6001 up, these signals will even be converted to progressive signals and as a digital video signal via HDMI. And, as you would expect, everything is fully compatible with our wide range of DVD players. What's more, because each complete system is made of separate components, you can customise your system exactly as you want.

Exactly what your eyes and your ears deserve

HDMI

This allows fully uncompressed digital video to not only pass through the receiver, but since there are two inputs, you can switch sources as well. The HDMI™ interface has a maximum bandwidth of 5 gbps for DVI quality video, audio, and signals, allowing the delivery of two and multi-channel audio from sources like Dolby Digital, DTS, and DVD-Audio in addition to uncompressed video up to 1080p (that's 1080 Progressive!). This interface is rapidly becoming the standard for interconnecting all audio, video and control devices

MRAC WITH EQ

MRAC (Marantz Room Acoustic Calibration) simplifies the often confusing and time consuming process of setting up your receiver / speakers / room. Through using a special calibrated microphone and the logic nested in the receiver, MRAC is a new standard for both accuracy and ease of use. For the SR-9600, we have improved on MRAC to include up to 9 bands of EQ for each and every channel to smooth room response in both stereo and multi-channel applications. This level of adjustment was previously unheard of in anything else other than extremely specialised acoustical calibration devices, but it is now standard equipment in the SR-9600

HD COMPONENT VIDEO SWITCHING WITH UPCONVERSION USING TIME BASE CORRECTION AND 2 OUTPUTS

The SR-9600 has a HD capable component switching section with a bandwidth of over 80 MHz for transparent source switching of Y / Pb / Pr signals. In addition, to allow just one cable to connect to your monitor, it has a Marantz designed video up conversion circuit with a Time Base Corrector (TBC) for tear free stable image from even aging VHS machines. Finally, the SR-9600 is the first receiver in our line to offer two outputs for the component signal, enabling two different display devices to be connected

BOXER AMPLIFIER DESIGN WITH ACTIVE INTELLIGENCE COOLING

This highly efficient amplifier design utilises a 'tunnel' type heatsink with an extremely quiet variable speed fan that doesn't even turn on until serious heat occurs. This assures the owner of audiophile-level silence. The amplifier uses an OFC copper rail for the power supply side of the output transistors as well as specially sourced OFC cables for the power supply and the speaker outputs

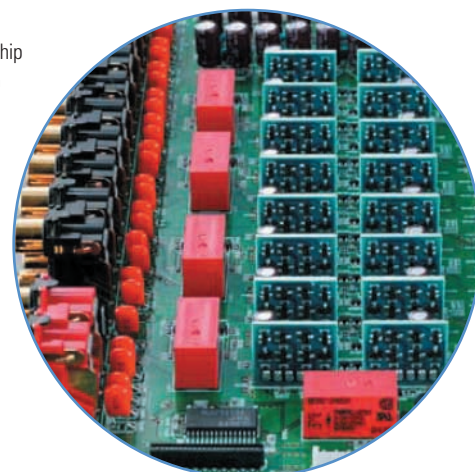
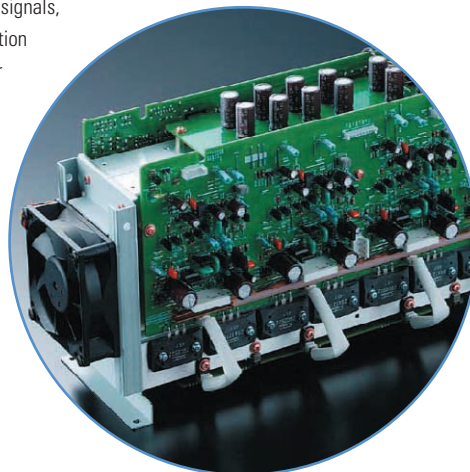
DUAL 32-BIT DSP

The SR-9600 is one of the first products in the world to use the new Cirrus Logic CS49502 DSP. This chip has unprecedented processing power and utilises two 32-bit cores for the ability to complete over 260 million instructions per second. This enables the extremely complex post-processing of the audio signal to be a breeze for the SR-9600

HDAM-SA2

The original HDAM® module (High Definition Amplifier Module) was developed in the mid nineties to replace the IC op-amps that were used to buffer the voltage portions of output stages. These legendary circuits have helped shape the 'Marantz Sound' and have been used in many highly regarded products since. In this latest version, designed for high bandwidth audio sources, the signal paths are as short as possible, for reduction of external noise and reduced mounting area. The SR-9600 uses 16 of these devices at the juncture between the preamplifier and power amplifier stages

Boxer Amplifier Design with Active Intelligence Cooling



HDAM-SA2



SR-9600

'AV RECEIVER OF THE YEAR OVER \$4,000'

7.1 HOME THEATRE RECEIVER



The SR-9600 is simply the best surround receiver we offer. It surpasses the performance levels of even separate components in both sheer brawn and subtle sophistication. THX Ultra2 certification – and power output of 140 W RMS from each of its seven current-feedback amplifiers – means the SR-9600 will recreate the sonic impact of dynamic movie soundtracks in the largest rooms. Intelligent cooling assures long term stability even under demanding conditions. Analog preamp circuitry features wide-band HDAM-SA2 modules. The oversized power supply include a toroidal transformer and Marantz-designed storage capacitors for quick response to rapidly varying sources. Dual 32-bit micro-processors handle surround decoding and 9-band parametric MRAC adjustments with outstanding speed and accuracy. Two AM / FM tuners let you listen to different stations in different areas of your home. Connectivity includes IEEE 1394 and a Marantz-optimised version of HDMI for accurate data transfer and software upgrade capability. The high definition display makes control and adjustment easy. Dolby Headphone produces a private, natural, non-fatiguing surround experience. An RS-232 port and 4 programmable 12 V 'triggers' let the SR-9600 function in virtually any custom-designed home theatre system

- THX Ultra2® Certified
- 140 W x 7 All Discrete 'Current Feedback' Amplifier Stages
- THX Surround EX® Processing
- 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)
- iLink (IEEE1394 / Firewire port)
- HDAM-SA2 outputs
- Dual 32-Bit Digital Surround Processing Chipsets
- 192 kHz / 24-Bit Cirrus Logic® DACs for all 7 Channels
- MRAC (Marantz Room Acoustic Calibration) System with equalisation
- Massive, High Energy Power Supply, Huge Toroidal Transformer
- Copper Plated Chassis
- HDMI Switching (2 in / 1 out)
- High-grade Video Up-conversion: Composite / S-Video to Component Video with line memory and TBC (Time Base Correction)
- Built-in Dual AM / FM Tuners
- Dual Multi-Room / Multi-Source Capabilities with Discrete Commands
- Speaker A / B Switching
- Multi Speaker 'C' Output
- RS-232C Connection for system control and future upgrades
- Lip Sync Control
- HD Compatible Component Video Switching (4 in / 2 out)
- 8 Assignable Digital Inputs (9 in Total)
- 1IR Flasher Input, 1 IR Receiver Input and 4 IR Emitter Outputs
- 4 Assignable DC Trigger Outputs
- Gyro-Touch Tuning
- Main Amplifier direct inputs
- Touchscreen Learning Remote

Note: Product features highlighted in blue indicate improvements over SR-8001 model



SR-9600

AV Receivers

SR-9600

MULTICHANNEL SURROUND

THX Ultra II / Select II	•/-
THX Surround EX	•
DTS 5.1 / DTS ES / DTS 96/24	•/•/•
Dolby Digital / Dolby Digital EX / DPL / DPL II / DPL IIx	•/•/•/•/•
Circle Surround II	•
Virtual Surround / Multi-Channel Stereo	•/•
HT-EQ / Re-EQ	-/•
Headphone Surround	Dolby Headphone

SOUND ENHANCEMENTS

Current Feedback Topology	•
Pure Direct	•
Power Transformer: Super Ring / Toroidal / EI	-/•/-
High Grade Audio Components	•
Chassis: (Die-cast / Copper-plated / Metal)	-/•/-

OTHERS

Auto setup by MIC and room acoustic calibration	MRAC advanced
Easy setup	-
Front panel cursor control	•
On Screen Display: Main / Multi-Room	•/•
Variable cross over	•
Lip Sync control	•
Video conversion	• (CVBS <> S > Comp)
T. B.C. – time base correction	•
HDMI: video switching	•
HDMI: up-conversion	-
HDMI: IP conversion	-
Multi-Room zones	2
Speaker A/B	•
Bi-amp drive (5.1 ch setting) / Speaker C	•/•
Tuner	2
Auto TV Switching (On / Off)	•
Discrete RC coding (Main- / Multi-Room)	•/•
RS-232C (Control / Update)	•/•

VIDEO

Composite In / Out	7/3
S-Video In / Out	7/3
Component In / Out	4/2
HDMI In / Out (version x.x)	2/1
Multi-Room Video Out: CVBS / S-Video / Component	•/-/-

AUDIO

Analogue In / Out	9/3
Digital Optical In / Out	5/1
Digital Coaxial In / Out	4/1
IEEE 1394 – Firewire – i-Link	2
Multi-Room Audio Out	2
Pre Out / Main In (7.1ch)	•/7
Multi-Channel in	•

OTHER

Speaker Terminal: Gold-plated screw / regular screw (all)	•/-
Multi-Room Speaker Terminal	•
Multi-Room D-Bus In / Out	•
D-Bus In / Out	•
IR Receiver In / Emitter Out	1/4
IR Flasher In	1
RS-232C	•
DC Triggers	4
Front Inputs: Audio / Composite / S-Video / Digital (opt)	•/•/•/•
iPod Input (Direct / Docking Station)	-/•

SPECIFICATIONS

AUDIO SECTION

Power Output (8/4 Ohm RMS)	140/- W
Signal to Noise Ratio	105 dB
D/A Converter	CS439X
Digital Signal Processor	CS49500 (& other)

TUNER SECTION FM

Frequency Range	87.5 - 108.00 MHz
Signal to Noise Ratio (Mono / Stereo)	76 /72 dB

VIDEO SECTION

Input level / impedance	1 Vp-p / 75 ohm
Component frequency response	5 to 100 MHz

GENERAL

Available colours: Silver / Black	•/•
Metal Front Panel	•
System Remote Control	improved RC-3200
Pre-programmed / Learnable / Touch Screen	-/•/•
Power Consumption	720 W
Detachable Power Cable	•
Maximum Dimensions (W x D x H)	440 x 483 x 218 mm
Weight	26.0 kg