

marantz®

AV RECEIVER

SR7400



Black available

SR7400 AV Receiver with power to exite

NEW

According traditional Marantz trademarks, the SR7400 is a non compromise digital surround receiver, built to excel in movie and music reproduction, functionality and ergonomics. It supports DTS ES, NEO:6, DTS 94/24, Dolby Digital EX 6.1 channel decoding, Dolby Pro Logic II and Circle Surround 6.1 for an impressive, enveloping 360 degree surround sound. The SR7400 features a discrete, equal power amplifier section for all 7 channels, with superb low impedance driving capability and comprehensive dynamic reserve. A multi-zone function allows you to simultaneously enjoy a different entertainment source in another room. Complemented with an extensive programmable learning remote control, the SR7400 is the ideal choice in every home 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, 96/24 decoding, Dolby Digital EX, Dolby Pro-Logic II and Circle Surround 6.1
- Wide range full discrete Current Feedback amplifiers
- Component Video in/out
- Multi room/multi source
- Firmware update through RS-232C port
- TruSurround XT Headphone
- Programming learning RC1400 Remote Control and Marantz D-BUS system
- Firmware upgrade RS232c

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
- High quality video connection for maximized video content reproduction
- Allows audio and video source selection and control of a second room
- 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
- Allows upgrading to rapidly changing technologies

Technological glossary:

Powerful Reproduction of Movies and Music

For optimum reproduction of Dolby Digital, DTS, Dolby Pro Logic II and Circle Surround reproduction, the SR7400 provides high current, wide band audio amplification, capable of generating 110 watts of discrete power into all 7 channels. With Current Feedback technology and a robust power transformer, the SR7400 has ample capabilities to drive low impedance loudspeakers. Furthermore an extensive array of digital and analog audio and video connections secure accommodation of a wide variety of multiple program sources. Other versatile and future ready, custom installment features include multi-channel (7.1) direct inputs and pre-amp outputs, RS232c interface, a multi-language on-screen display, DC triggers, and speaker A/B switching.

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

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, internal bracing and hand-selected customized components.

Convenience & Functionality's

The SR7400 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 SR7400. 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 SR7400 comes with the RC1400, a programmable learning remote control, for full control of every Marantz and non-Marantz component. The total functionality of the RC1400 enables intuitive and extensive control over your SR7400, but also other IR based devices.

Bypacked Accessories

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

RC1400



SR7400

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 XT 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	CS49400x
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	Main / Multi Room
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	4/1
Digital Coaxial In/Out	3/1
Gold Plated In/out	-
OTHER	
Pre- Amplifier Out	7.1 channels
Main Amplifier In	-
Multi-Channel In	7.1 channels
Speaker Terminal	Heavy Duty Screw, 7 channels
Multi-Room Audio Out	•
Multi-Room Video Out	CVBS
D.Bus In/Out	•
Multi-Room D.Bus In/Out	•
External IR In/Out	-
IR Flasher In	•
RS232C	•
DC Triggers	1, assignable
AC Outlets (Not for UK Model)	1 x Unswitched
Front Inputs	Audio/Composite/S-Video/Digital(Opt)
Headphone Out	•

SPECIFICATIONS

AUDIO SECTION	
Power Output	105W/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 / 47k ohm
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	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	RC1400
System Remote Function	LCD Learning
Power Consumption	t.b.d.
Detachable Power Cable	•
Maximum Dimensions (W x D x H)	440 x 164 x 463 mm
Weight	t.b.d.

Design and specifications are subject to change by Marantz without notice