

SR9600XM

# THX ULTRA2® DIGITAL SURROUND RECEIVER



### Welcome to the Next Generation of Radio!

America's most popular satellite radio service, XM™ features over 160 digital channels – the most commercial-free music available in Satellite Radio. With over 30 channels of news, sports, talk and entertainment, over 20 dedicated channels of XM Instant Traffic & Weather, and the deepest playlist in the industry you can choose what you want to hear whenever you want.

The SR9600XM features two tuners, one of which is dedicated to XM! Simply attach an XM Connect&Play™ antenna (available separately), activate your subscription and you are ready to enjoy everything the world of satellite radio can deliver. With the multi-room capacity of the SR9600XM, you can enjoy any of those stations in remote locations as well.

The SR9600XM is simply the best surround receiver we've ever offered. It surpasses the performance levels of even separate components in both sheer brawn and subtle sophistication. THX Ultra2® certification - and power output of 140 Watts RMS from each of its seven current-feedback amplifiers - means the SR9600 will recreate the sonic impact of dynamic movie soundtracks in the largest rooms. Intelligent cooling assures long term stability, even under the most demanding conditions. Analog preamp circuitry features wideband HDAM-SA2 modules. The oversized power supply includes a toroidal transformer and Marantz-designed storage capacitors for quick response to rapidly varying sources. Dual 32-Bit microprocessors handle surround decoding and 9-band equalization M.R.A.C. (Marantz Room Acoustic Calibration) adjustments with outstanding speed and accuracy. Connectivity includes IEEE-1394 and HDMI for accurate data transfer. The high resolution display makes control and adjustment easy. Dolby Headphone produces a private, natural, non-fatiguing surround experience. An RS232 port (for both control and upgrade) and 4 programmable 12 volt "triggers" let the SR9600 function in virtually any custom-designed home theater system.

- XM™ Ready
- THX Ultra2® Certified
- 140 Watts x 7 - All Discrete Amplifier Stages
- THX Surround EX® Processing
- Dolby Digital EX®, Pro Logic IIx® (Movie/Music/Game)
- DTS 96/24, ES®(Discrete6.1/Matrix 6.1), Neo:6 (Cinema/Music)
- SRS Circle Surround II® (Cinema/Music/Mono)
- IEEE-1394 (i.LINK) Connection with "Flow Rate" Control
- All Discrete/SA Ready "Current Feedback" Amplifier Stages
- Dual 32-Bit DSP
- 192kHz/24-Bit Cirrus Logic® DACs for all 7 Channels
- HDAM-SA2 Modules
- 9-Band Equalization M.R.A.C. (Marantz Room Acoustic Calibration) System
- Massive, High Energy Power Supply, Huge Toroidal Transformer
- Copper Plated Chassis
- HDMI Switching (2 in/1 out)

- Video Up-conversion: Composite/S-Video to Component with TBC
- Dual Multi-room/Multi-source Capabilities with Discrete Commands
- Speaker A/B Switching
- Multi Speaker "C" Output
- RS232C 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)
- 1 IR Flasher Input and 1 IR Receiver Input
- 4 IR Emitter Outputs
- 4 Assignable DC Trigger Outputs
- Gyro-Touch Tuning
- HDCD™ Decoder
- Touch Screen Programmable Remote



**marantz®**  
LIFE AMPLIFIED™



## FEATURED OPTICS

### MULTICHANNEL/SURROUND

|   |             |
|---|-------------|
| Number of Channels                        | 7           |
| THX                                       | Ultra 2     |
| 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                            | Toroidal                            |
| D/A Conversion                               | 192kHz/24-Bit                       |
| Digital Signal Processing                    | Cirrus Logic® Dual 32-Bit           |
| Video Off                                    | •                                   |
| Source Direct                                | •                                   |
| Chassis                                      | Copper Plated w/Double Bottom Plate |
| Variable X-over                              | •                                   |
| Display Off                                  | •                                   |
| Video Up-conversion                          | Up to Component with TBC            |
| M.R.A.C. (Marantz Room Acoustic Calibration) | • (with EQ)                         |
| XM-Ready                                     | •                                   |
| Dual AM/FM Tuner                             | -                                   |
| Bass Management                              | •                                   |
| Lip-sync (digital Audio Delay)               | •                                   |
| Software Upgradeable (RS232)                 | •                                   |

## IN/OUTPUTS

### VIDEO

|               |                       |
|---------------|-----------------------|
| HDMI In       | 2                     |
| Component In  | 4 (Assignable Inputs) |
| S-Video In    | 7                     |
| Composite In  | 7                     |
| HDMI Out      | 1                     |
| Component Out | 2                     |
| S-Video Out   | 4                     |
| Composite Out | 6                     |

### AUDIO

|                     |    |
|---------------------|----|
| Analog L&R In       | 10 |
| Analog L&R Out      | 6  |
| Digital Optical In  | 5  |
| Digital Coaxial In  | 4  |
| Digital Optical Out | 1  |
| Digital Coaxial Out | 1  |
| IEEE1394 Connection | 2  |

## IN/OUTPUTS Continued

### OTHER

|                                  |  |
|----------------------------------|--|
| Pre-Amplifier Out                | 8ch                                      |
| Main Amplifier In                | 8ch                                      |
| Multi-Channel In                 | 8ch                                      |
| Multi-Room Audio Out             | 2 (L&R)                                  |
| Multi-Room Video Out             | 2 (Composite)                            |
| Multi-Room Speaker Out           | •  |
| Speaker A/B                      | •  |
| DAvED (Transmitter)              | -  |
| External Control (RS232C)        | •  |
| DC Triggers                      | 4  |
| D-Bus Remote (RC-5) In/Out       | 2 / 2                                    |
| External IR In/Out               | 2 / 4 (Flasher & Emitter In/Emitter Out) |
| Front Panel A/V Inputs           | • (+ Digital Opt.)                       |
| Headphone Out                    | • (Dolby Headphone)                      |
| AC Outlets (Switched/Unswitched) | 1/1                                      |

## SPECIFICATIONS

### AUDIO SECTION

|                            |                         |
|----------------------------|-------------------------|
| Power Output (8 Ohm)       | 140W 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  |
| Front Panel                   | Aluminum   |
| Remote Control                | Programmable Touch Screen LCD RC3200B  |
| Power Requirement             | AC 120V/60Hz   |
| Power Consumption             | 780W   |
| Dimensions W x H x D (Inches) | 17 <sup>7</sup> / <sub>16</sub> " x 8 <sup>7</sup> / <sub>16</sub> " x 19 <sup>7</sup> / <sub>16</sub> " |
| Weight (lbs.)                 | 57.3   |



\*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.