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Model Information

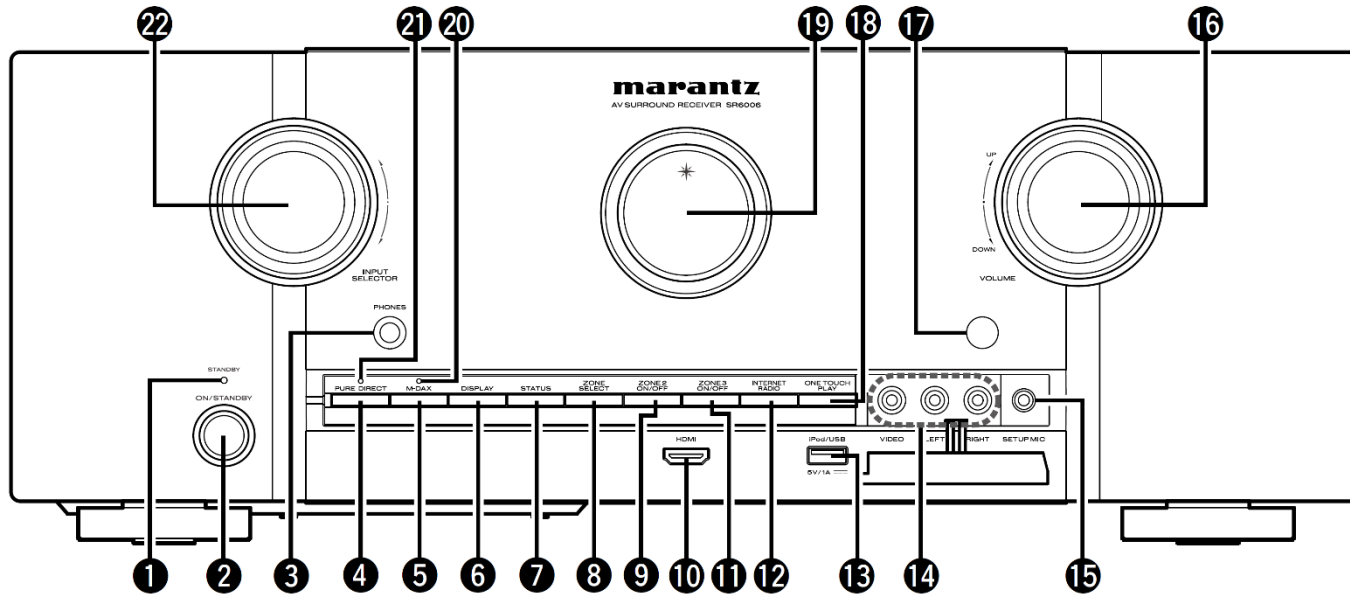
INTEGRATED NETWORK AV RECEIVER



NOTE:

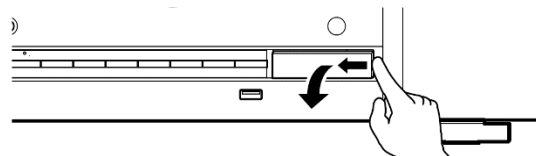
This edition is missing the link to the IR codes..... 12/13/2016

Front Panel



- | | | |
|---------------------------------------|--------------------------|-------------------------------|
| 1 Power indicator (STANDBY) | 8 ZONE SELECT button | 15 SETUP MIC jack |
| 2 Power operation button (ON/STANDBY) | 9 ZONE2 ON/OFF button | 16 MASTER VOLUME control knob |
| 3 Headphones jack (PHONES) | 10 HDMI connector | 17 Remote control sensor |
| 4 PURE DIRECT button | 11 ZONE3 ON/OFF button | 18 ONE TOUCH PLAY button |
| 5 M-DAX button | 12 INTERNET RADIO button | 19 Display |
| 6 DISPLAY button | 13 iPod/USB port | 20 M-DAX indicator |
| 7 STATUS button | 14 AUX1 INPUT connectors | 21 PURE DIRECT indicator |
| | | 22 INPUT SELECTOR knob |

Remove the cap covering the connectors when you want to use them.



HOME

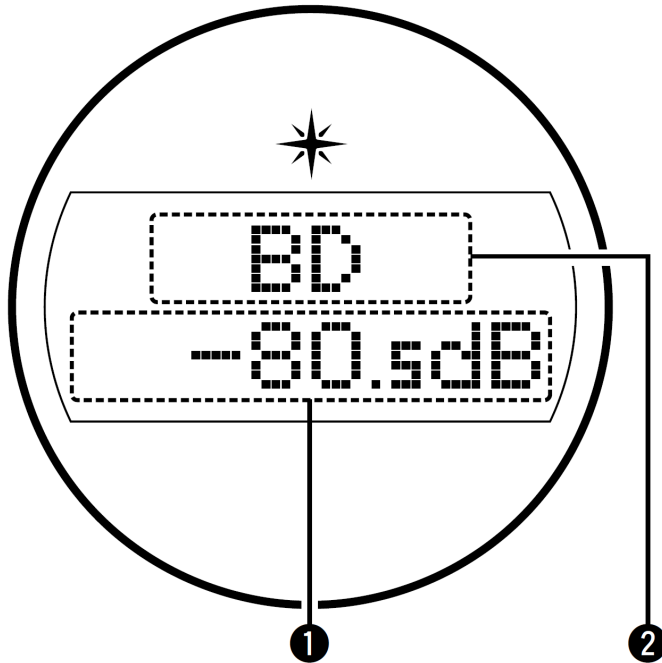
MAIN DISPLAY

Main Display (1 of 2)

Main display

The input source name, sound mode, setting values and other information are displayed here.

❑ Standard display



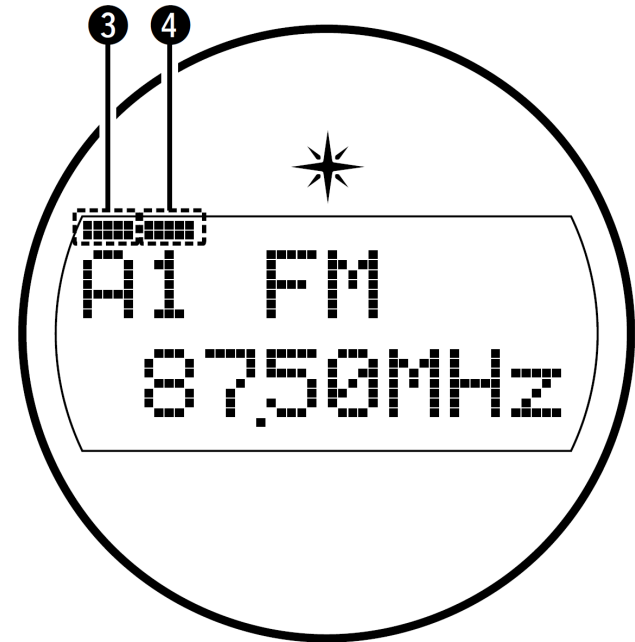
1 Master volume indicator

2 Input source indicator

The currently selected input source name is displayed. If the input source name has been changed using "SOURCE SELECT" – "Rename" in the menu, the input source name after the change is displayed.

❑ Tuner display

These light according to the reception conditions when the input source is set to "TUNER".

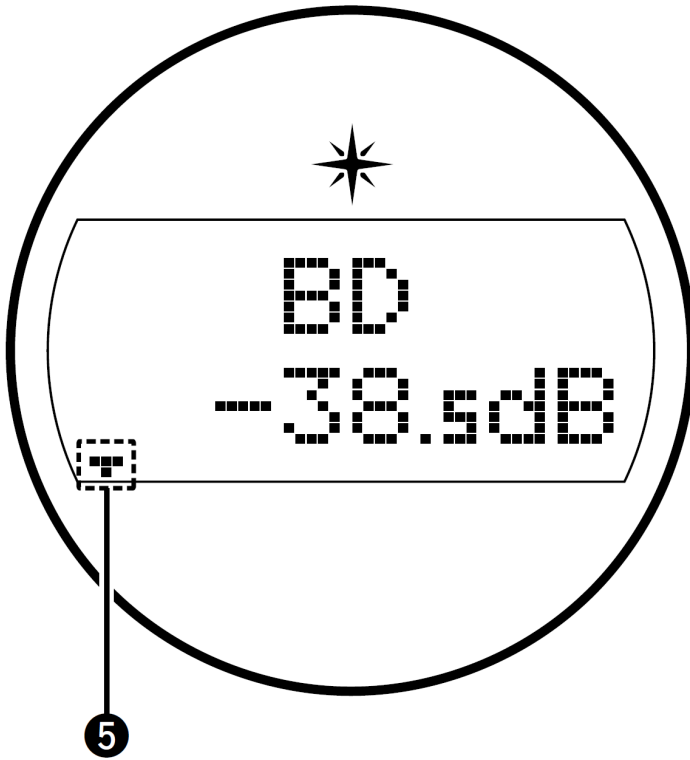


3 Lights up when the broadcast is properly tuned in.

4 In the FM mode, this lights up when receiving stereo broadcasts.

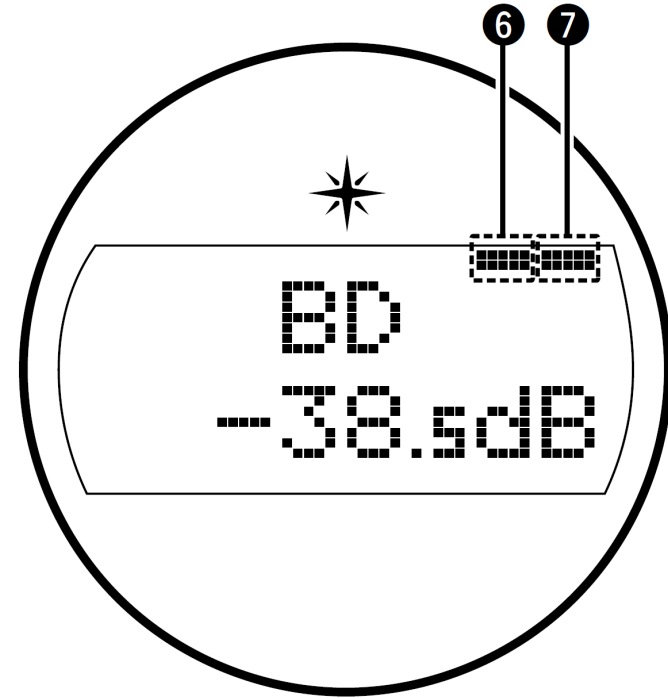
Main Display (2 of 2)

Sleep timer indicator



5 This lights when the sleep mode is selected.

ZONE2 power on display

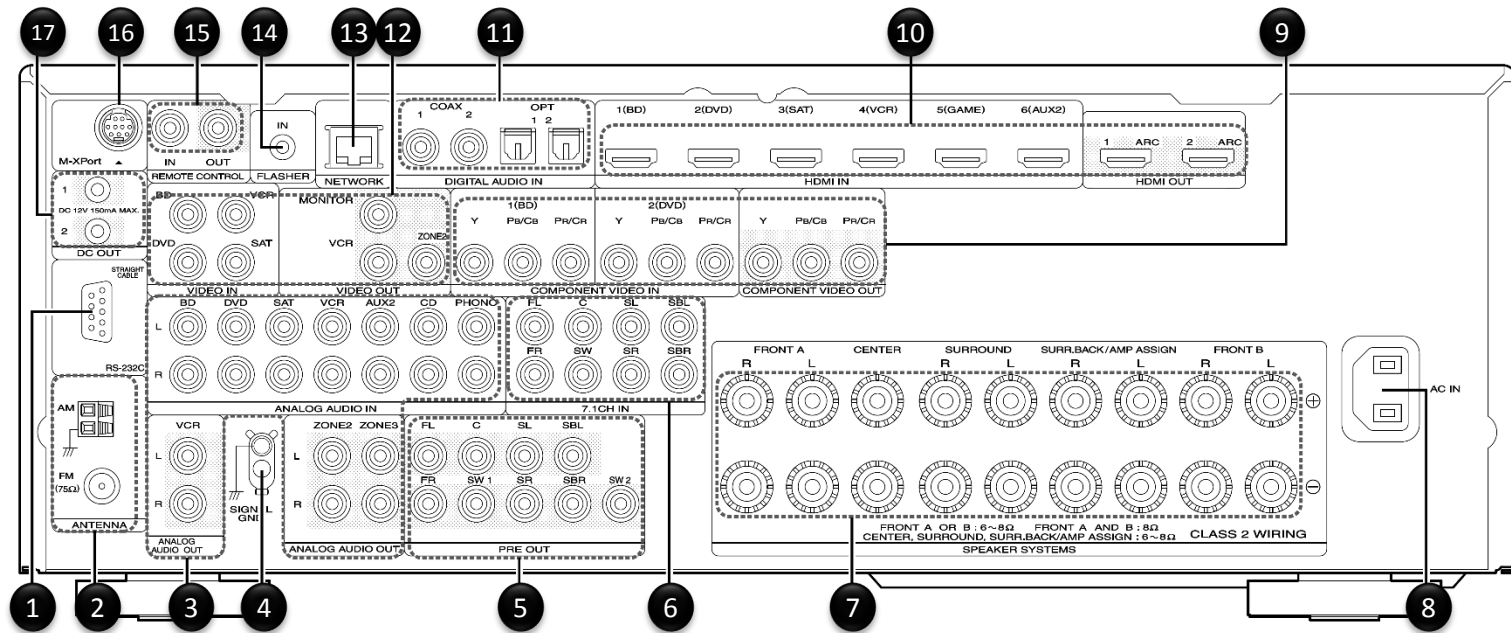


6 This lights up when ZONE2 (separate room) power is turned on.

7 This lights up when ZONE3 (separate room) power is turned on.

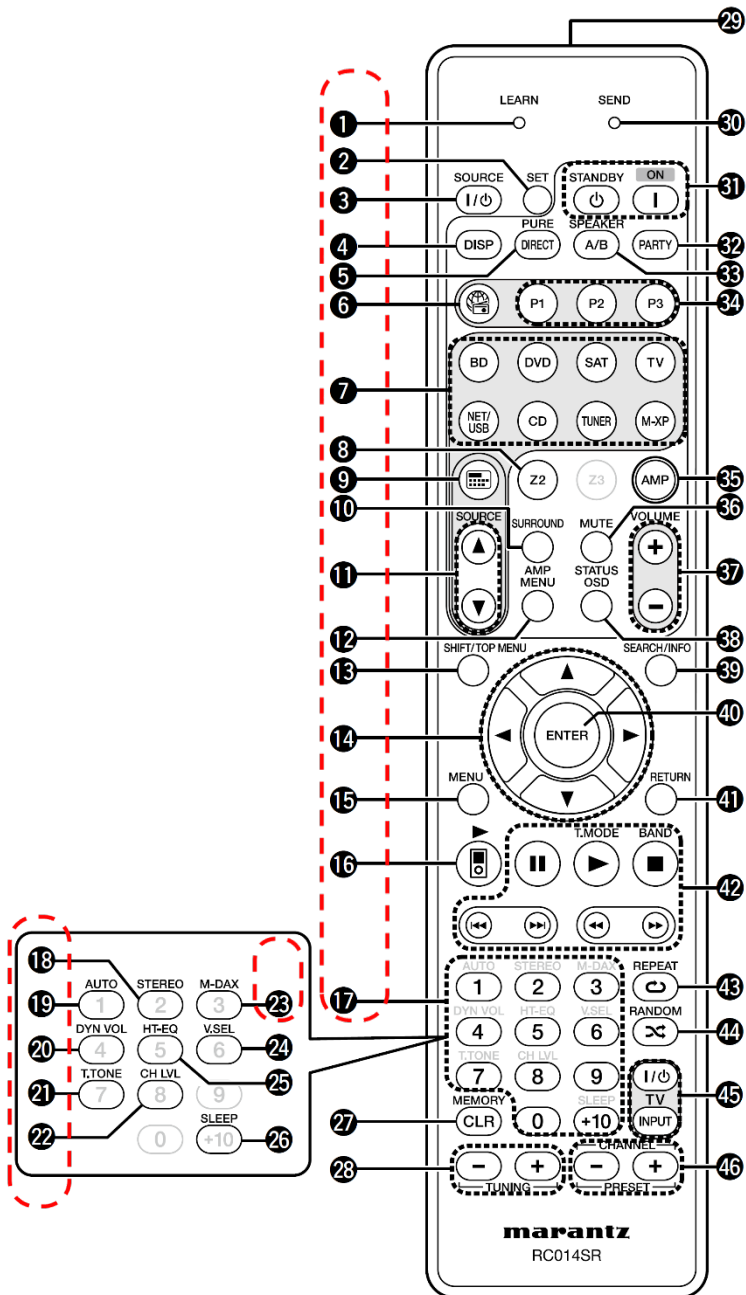
When the power is switched on in ZONE2 or ZONE3, item #6 and item #7 light.

Rear Panel



- 1 RS-232C connector
- 2 HD RADIO antenna terminals
- 3 Analog audio connectors
- 4 SIGNAL GND terminal
- 5 PRE OUT connectors
- 6 7.1ch input connectors (7.1CH IN)
- 7 Speaker terminals (SPEAKER SYSTEMS)
- 8 AC inlet (AC IN)
- 9 Component video connectors
- 10 HDMI connectors
- 11 Digital audio connectors
- 12 Video connectors (VIDEO IN/VIDEO OUT)
- 13 Network connector (NETWORK)
- 14 FLASHER IN jack
Used when using a control BOX or other such control devices to control this unit.
- 15 REMOTE CONTROL connectors
- 16 M-XPort connector
Do not touch the inner pins of the connectors on the rear panel. Electrostatic discharge may cause permanent damage to the unit.
- 17 DC OUT jacks

Remote Control (1 of 2)



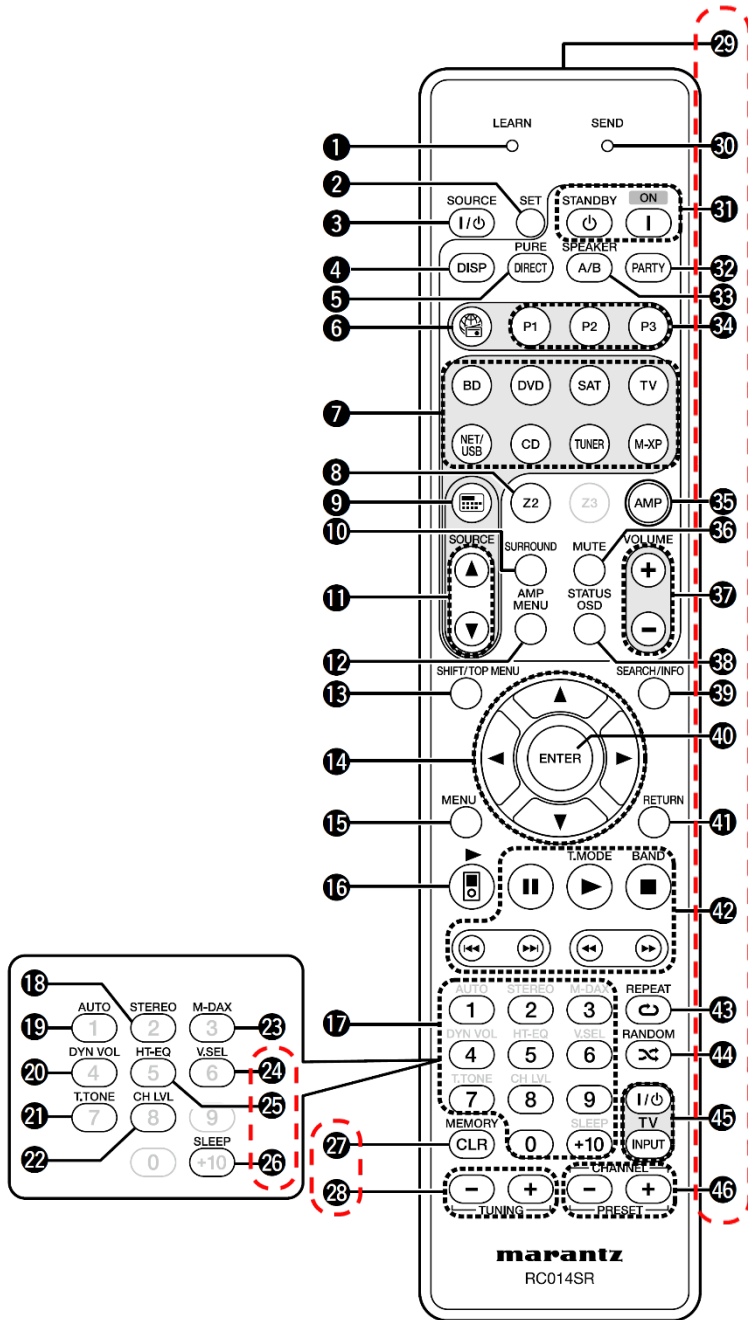
- 1 LEARN indicator
- 2 SET button
- 3 SOURCE power button
- 4 Display button (DISP)
- 5 PURE DIRECT button
- 6 Internet radio button
- 7 Input source select buttons
- 8 Zone mode buttons (Z2, Z3)
- 9 Source select menu button
- 10 SURROUND button
- 11 Source select buttons (SOURCE ▲▼)
- 12 AMP MENU button
- 13 SHIFT/TOP MENU button
- 14 Cursor buttons (▲▼◀▶)
- 15 MENU button
- 16 iPod play button
- 17 Number buttons
- 18 STEREO button
- 19 AUTO buttons
- 20 Audyssey Dynamic Volume® button (DYN VOL)
- 21 Test tone button (T.TONE)
- 22 Channel level button (CH LVL)
- 23 M-DAX button
- 21 Video select button (V.SEL)
- 22 HT-EQ button
- 23 SLEEP button

REAR PANEL

HOME

REMOTE CONTRO (2 of 2)

Remote Control (2 of 2)



REMOTE CONTROL (1 of 2)

- 27 Clear (CLR)/MEMORY button
- 28 TUNING buttons (+, -)
- 29 Remote control signal transmitter
- 30 SEND indicator
- 31 Power buttons (ON, STANDBY)
- 32 PARTY button
- 33 SPEAKER A/B button
- 34 Preset channel buttons (P1 - P3)
- 35 AMP button
- 36 Muting button (MUTE)
- 37 Volume control buttons (VOLUME +, -)
- 38 STATUS OSD button
- 39 SEARCH/Information (INFO) button
- 40 ENTER button
- 41 RETURN button
- 42 System buttons
 - Pause button (II)
 - Play button (▶)
 - Stop button (■)
 - Skip buttons (⏮ ⏭)
 - Search buttons (⏪ ⏩)
- Tuner system buttons
 - FM/AM band switching button (BAND)
 - Tuning mode button (T.MODE)
- 43 REPEAT button (0)
- 44 RANDOM button (1)
- 45 TV operation buttons (TV Z / X / INPUT)
- 46 CHANNEL/PRESET buttons (+, -)

NOTE: The Z3 button cannot be used.

HOME

WARRANTY (1 of 2)

MARANTZ USA LIMITED WARRANTY (1 of 2)

This warranty will be honored only in the U.S.A.

Length of Non-Transferable Warranty

This warranty on your Marantz product which is distributed and warranted by Marantz America Inc. remains in effect for the following periods from the date of the original consumer purchase from an AUTHORIZED DENON ELECTRONICS (USA), LLC DEALER.

3 year warranty for both Parts & Labor, from the original purchase date
1 year for refurbished (B-Stock) units

MARANTZ AMERICA, Inc.
(a D&M Holdings Company)
100 Corporate Drive
Mahwah, NJ 07430-2041
(201) 762-6666
www.usa.Marantz.com

MARANTZ FACTORY SERVICE by PANURGY OEM
701 Ford Road (South Dock)
Rockaway, NJ 07866-2053
(973) 625-4056
(973) 625-9489 Fax
<http://www.panurgoem.com/Denon/Denonrepair.html>

See the next page for more information about the Marantz limited warranty

Warranty (2 of 2)

What is covered and what is not covered

Except as specified below, this warranty covers parts and labor to correct all defects in materials and workmanship. The following are not covered by the warranty.

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
 - Accident, acts of nature, misuse, abuse, neglect or unauthorized product modification.
 - Improper installation, removal or maintenance, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by Marantz to repair the product.
 - Any shipment of the product (claims must be presented to the carrier).
 - Any cause other than a product defect.
2. Cleaning, initial set-up, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.
3. Any product on which the serial number has been defaced, modified or removed.
4. Batteries.
5. Accessories, including but not limited to, batteries, cables, mounting hardware and brackets, cleaning accessories, antenna and detachable power cords.
6. Warranty is void if purchase was made from anyone other than an authorized Marantz dealer.

Who may enforce the warranty?

This warranty may be enforced only by the original purchaser.

What we will pay for

We will pay for all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

How you can get service

- If your unit needs service, contact Marantz customer service by calling 201-762-6666. We will advise you of the name and location of one or more authorized Marantz service stations from which service can be obtained. Please do not return your unit to the factory without prior authorization.
- You must pay any shipping charges if it is necessary to ship the product for service. However, if the necessary repairs are covered under warranty, we will pay the return shipping charges to any destination within the United States, its possessions or territories.
- Whenever warranty service is required, you must present the original dated sales receipt or other proof of date of purchase.

Limitations of implied warranties

All implied warranties, including warranties of merchantability and fitness for a particular purchase, are limited in duration to the length of this warranty.

Exclusion of damages

Marantz liability for any defective product is limited to repair or replacement of the product at Marantz's option. Marantz shall not be liable for damage to other products caused by any defects in Marantz products, damages based upon inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

How the law relates to the warranty

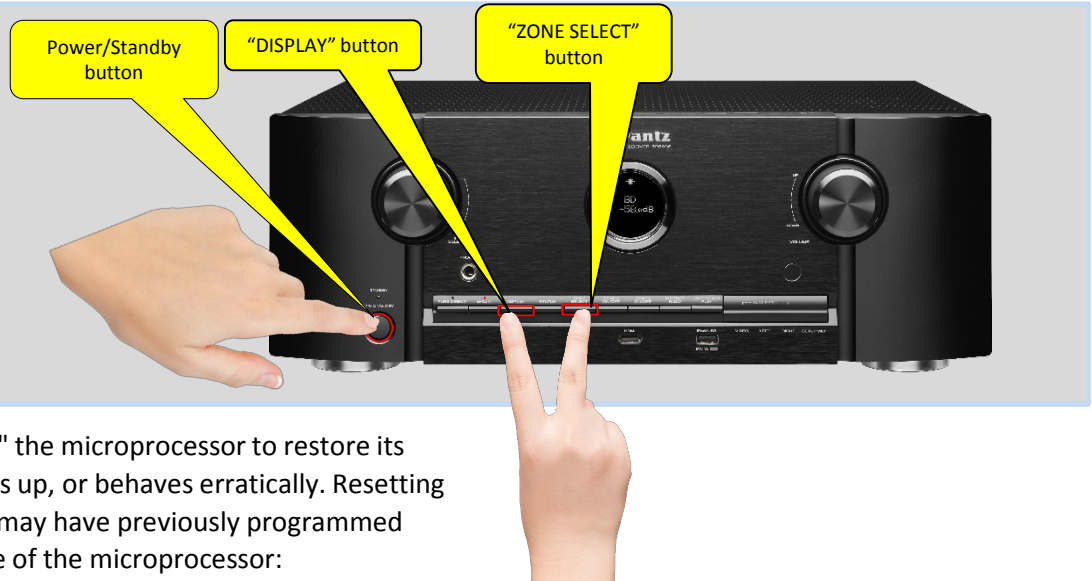
Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Reset

Reset procedure:

With the power off, press and hold the “DISPLAY” button, “ZONE SELECT” button, and “POWER” button simultaneously on the AVR for a few seconds until the AVR’s display starts flashing at intervals of about 1 second.



Resetting the micro is a procedure used to "reboot" the microprocessor to restore its normal operation when it temporarily freezes, locks up, or behaves erratically. Resetting the microprocessor, erases any saved settings you may have previously programmed into the unit. Issues that can affect the performance of the microprocessor:

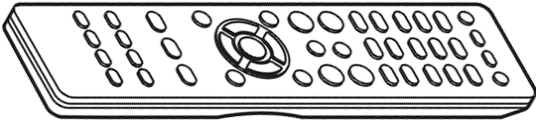
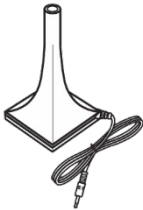
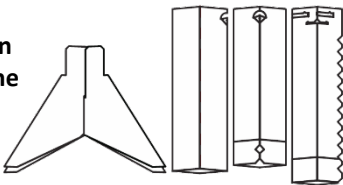

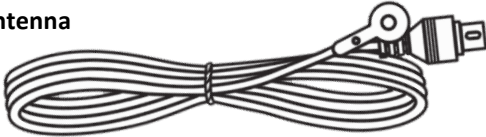
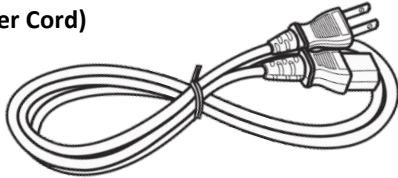
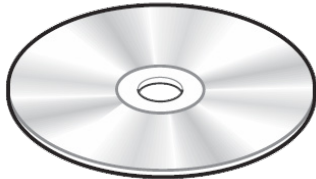
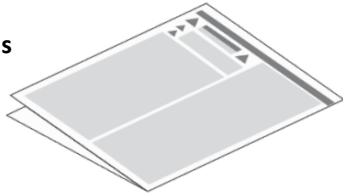
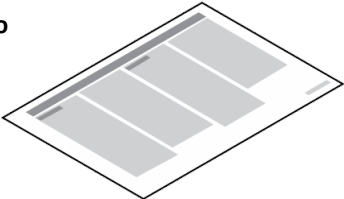
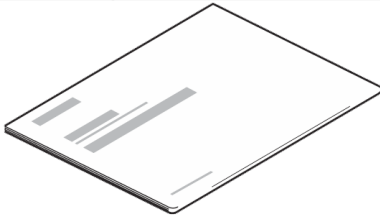
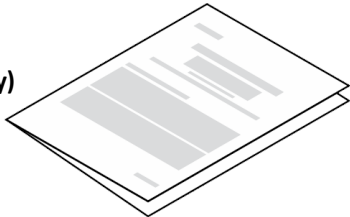
- A jolt of static electricity
- Current surge through an input

Before resetting the microprocessor;

- Check all connections carefully
- Check for setup errors

Note: If you had an installer setup your system, please first contact your installer to see if they can reset and then setup your system again as there may be specific EQ calibrations (Audyssey) that the installer will need to perform.

Accessories

Remote Control (RC014SR) 		Sound Calibration Microphone (ACM1HB) 		Sound Calibration Microphone Stand 	
307010092004M	\$	324810004004M	\$	963549101000D	\$16.82
AM Loop Antenna 		FM Indoor Antenna 		Power Cord) 	
00D2310089007	\$	90M-ZA000230R	\$5.99	90M-ZC000310R	\$
		CD ROM Owner's Manual 		Safety Instructions 	
Notes on Radio 		Quick Start Guide 		Warranty (For North America Only) 	

RESET

HOME

FAQ's

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Upgrades/Updates (1 of 2)

Dolby Atmos, DTS:X and Auro-3D Upgradeable

Dolby Atmos and DTS:X surround sound technologies dispense with channel-based coding in favor of object-based coding, giving the sound designer the ability to precisely place sounds anywhere in the 3-dimensional space. The SR6006, features the ability to connect a 5.1 surround sound speaker system and 4 additional overhead speakers (or 4 additional Dolby Atmos elevation speakers) for the ultimate home cinema experience. Thanks to the 11ch processing capability, you can just add an external 2-channel amplifier and even enjoy a thrilling 7.1.4 channel Dolby Atmos or DTS:X experience. Dolby Surround Upmixer and DTS Neural:X Upmixer are also in place to simulate 3D sound from standard formats.

Auro-3D Upgrade

By fully immersing the listener in a cocoon of life-like sound, Auro-3D puts you right in the middle of the action. Auro-3D provides an immersive surround sound experience thanks to dedicated height and overhead channels, in addition to the regular channels. The height information, captured in recording or created during the mixing process, is mixed into a standard 5.1 PCM stream that comes with a regular Blu-ray. Moreover, the Auro-3D engine recognizes mono, stereo, 5.1 surround or an Auro-encoded signal and transforms them into 3D audio. Once upgraded with the Auro-Codec decoder, the SR6006 is capable of decoding the original Auro-3D mix and playing back an Auro-3D 10.1 channel configuration (with external amplifier). **Auro-3D upgrade availability and pricing to be announced.**

Visit <http://upgrade.Marantz.com> for upgrade information.

Upgrades/Updates (2 of 2)

Firmware:

This unit has the ability to update its firmware over the internet if so is selected by the user. When connected to a network via Wi-Fi or Ethernet, the AVR searches automatically for new updates and if any is found, a message appears on the screen for approx. 40 seconds with the options of updating the firmware: “NOW”, “LATER”, or “IGNORE”. Note: This feature of displaying the update message, can be disabled from the “Setup” menu (Setup/General/Firmware/Notifications/Update or Upgrade/Off).

If the update process is interrupted, “*Update retry*” appears on the display and the unit tries repeatedly to continue the update until it either reconnects and picks up where it left off and continue the update process or times itself out after trying several times. When the latter occurs, one of the following messages will appear on the screen.

Connection fail	Download fail	Updating fail	Server is busy	Login failed
-----------------	---------------	---------------	----------------	--------------

To Check for Firmware Update from the **Marantz** server when the unit is connected to the internet via the Ethernet port (When Firmware Notification is turned off).

Press “SETUP” and select “GENERAL” and then select “FIRMWARE” followed by “UPDATE” and finally, select “CHECK FOR UPDATE”.

Note: This will also check the time it will approximately take to complete the update.

To check to see if an update or upgrade is available for your **SR6006** and also to download the latest version of firmware, click on the following link:

<http://www.us.marantz.com/us/support/pages/productupdates.aspx>

Note: A list of “Recent Updates/Upgrades is also available at this link”

Specifications – Audio Section

Audio section

Power amplifier	Rated output	Front	110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
		Center	110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
		Surround	110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
		Surround back	110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
	Maximum effective output power:	Front	190 W + 190 W (6 Ω/ohms, 1 kHz with 10 % T.H.D.)
		Center	190 W + 190 W (6 Ω/ohms, 1 kHz with 10 % T.H.D.)
		Surround	190 W + 190 W (6 Ω/ohms, 1 kHz with 10 % T.H.D.)
		Surround back	190 W + 190 W (6 Ω/ohms, 1 kHz with 10 % T.H.D.)
	Output connector		6 – 8 Ω/ohms
Analog	Input sensitivity/Input impedance		200 mV
	Frequency response		10 Hz – 100 kHz — +1, –3 dB (Direct mode)
	S/N		100 dB (IHF–A weighted, Direct mode)
	Distortion		0.005 % (20 Hz – 20 kHz) (Direct mode)
	Rated output		1.2 V
Digital	D/A output	Rated output	2 V (at 0 dB playback)
		Total harmonic distortion	0.008 % (1 kHz, at 0 dB)
		S/N ratio	102 dB
		Dynamic range	100 dB
	Digital input	Format	Digital audio interface
Phono equalizer	Input sensitivity		2.5 mV
	RIAA deviation		±1 dB (20 Hz to 20 kHz)
	S/N		74 dB (IHF-A)
	Distortion factor		0.03 % (1 kHz, 3 V)

Specifications - Video section, Tuner Section, General Section

Video section				
Standard video connectors	Input/output level and impedance		1 Vp-p, 75 Ω/ohms	
	Frequency response		5 Hz -10MHz, 0, - 3dB (when “Video Convert” set to “OFF”)	
Color component video connector	Input/output level and impedance		Y signal	1 Vp-p, 75 Ω/ohms
			PB/CB signal	0.7 Vp-p, 75 Ω/ohms
			PR/CR signal	0.7 Vp-p, 75 Ω/ohms
	Frequency response		5 Hz - 60MHz – 0, -3dB (when “Video Convert” set to “OFF”)	

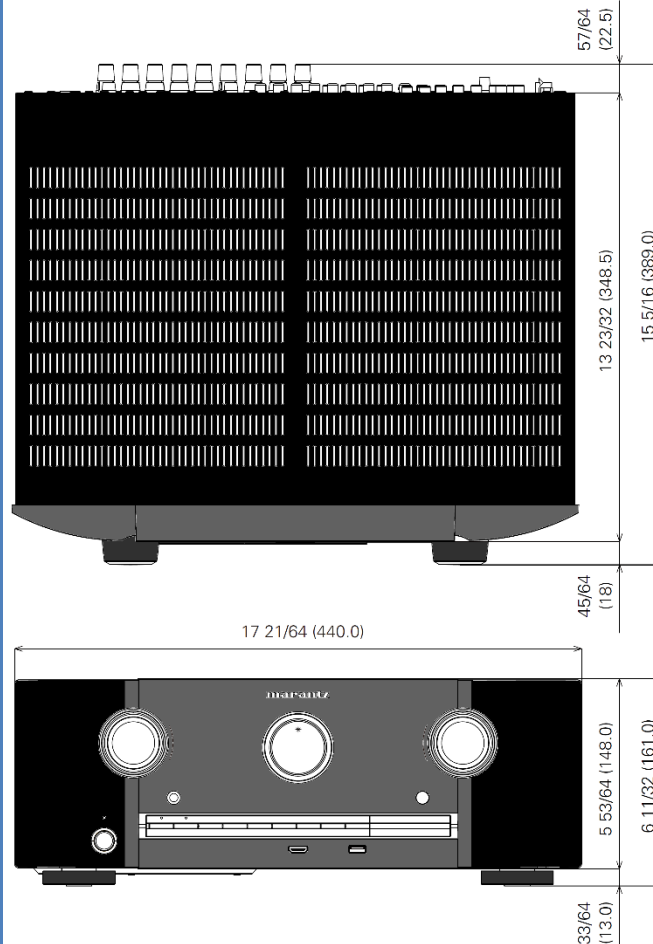
Tuner section			
	FM		AM
	Note: μV at 75 Ω/ohms, 0 dBf = 1×10^{-15} W		
Reception frequency range	87.50 MHz - 107.90 MHz		530 kHz – 1710 kHz
Effective sensitivity	1.5 μV (14.8 dBf)		20 μV
50 dB sensitivity	Mono – 2.8 μV (20.2 dBf)		
S/N ratio	Mono	78 dB	
	Stereo	68 dB	
	HD	85 dB	85 dB
Total harmonic Distortion (at 1 kHz):	Mono	0.1 % (1KHz)	
	Stereo	0.2 % (1KHz)	
	HD	0.02 %	0.02 %

General section	
Power supply	AC 120V, 60Hz
Power consumption	650 W
Power consumption in standby mode	0.2W
Power consumption in CEC standby mode	2.2 W

For purpose of improvement, specifications and design are subject to change without notice.

Specifications – Dimensions, Weight

Dimensions section (Unit : inch/mm)



Weight: 25 lbs 2.1 oz (11.4 kg)

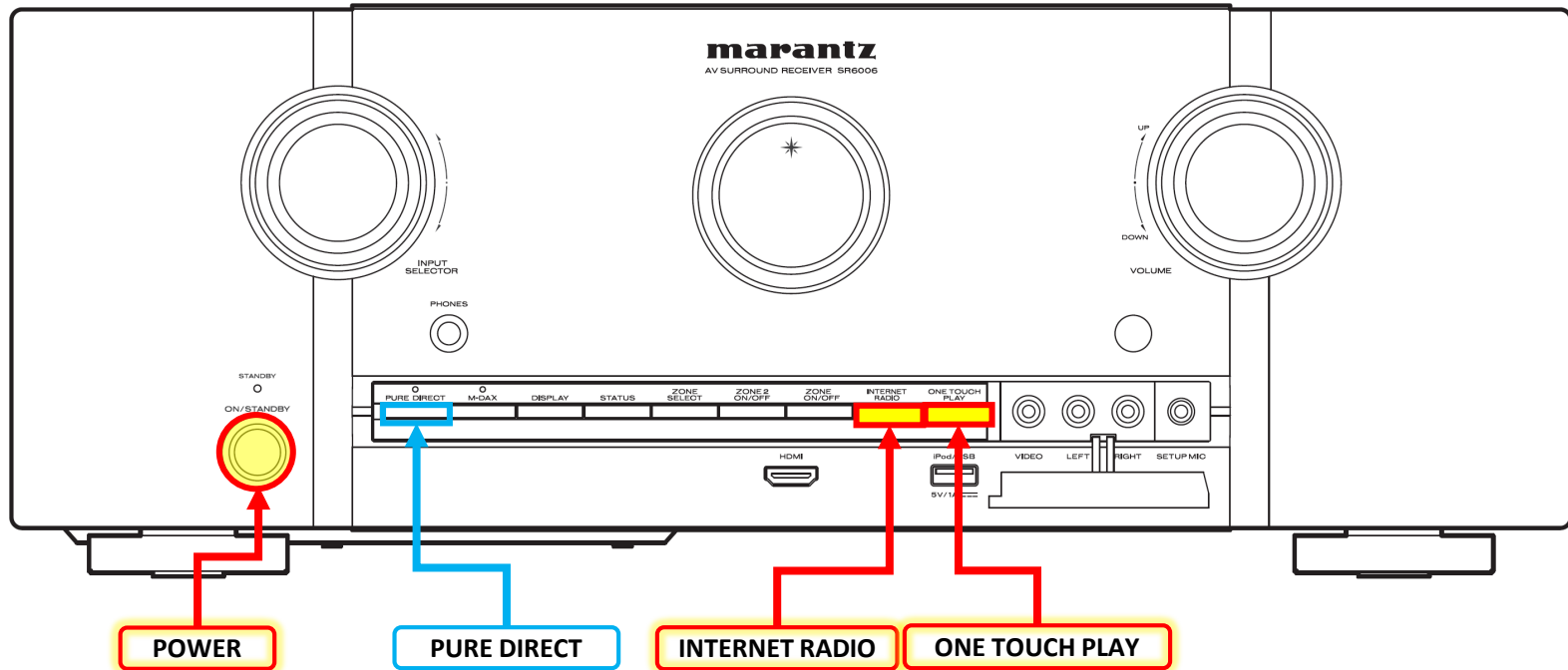
SPECIFICATIONS -
AUDIO

SPECIFICATIONS - VIDEO -
TUNER - GENERAL

HOME

Protection History Display
Mode (Front Panel Buttons)

Protection History Mode records and displays an event in which the THERMAL, CURRENT, ASO or DC protection was activated.



Procedure to enter the “Protection History Display Mode”.

1. Press and hold the “INTERNET RADIO” and the “ONE TOUCH PLAY” buttons at the same time and press the “POWER” button to turn on the power.
2. Press the “STATUS” button to turn on the FL display.

<p>1. If no protections have occurred, "No Protect" is displayed</p>	<table border="1"> <tr> <td>FLD</td> <td>P</td><td>R</td><td>O</td><td>T</td><td>E</td><td>C</td><td>T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>H</td><td>I</td><td>S</td><td>T</td><td>O</td><td>R</td><td>Y</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td>N</td><td>O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	FLD	P	R	O	T	E	C	T														H	I	S	T	O	R	Y														N	O																	
FLD	P	R	O	T	E	C	T																																																						
	H	I	S	T	O	R	Y																																																						
	N	O																																																											
<p>2. If last protection was ASO, "ASO" is displayed.</p> <p>Cause: A short circuit occurred between the speaker terminals, or speakers with an impedance outside the rating were connected. If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.</p>	<table border="1"> <tr> <td>FLD</td> <td></td> <td>A</td><td>S</td><td>O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	FLD		A	S	O																																																							
FLD		A	S	O																																																									
<p>3. If the last protection was DC, "DC" is displayed.</p> <p>Cause: DC output of the power amplifier is abnormal.</p> <p>If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.</p>	<table border="1"> <tr> <td>FLD</td> <td></td> <td>D</td><td>C</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	FLD		D	C																																																								
FLD		D	C																																																										
<p>4. If the last protection was THERMAL, then "THERMAL * is displayed.</p> <p>Cause: Abnormal heat sink temperature.</p> <p>If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.</p>	<table border="1"> <tr> <td>FLD</td> <td></td> <td>T</td><td>H</td><td>R</td><td>M</td><td>*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	FLD		T	H	R	M	*																																																					
FLD		T	H	R	M	*																																																							

FLD	Fluorescent Display
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Caution: These protections may also be activated due to causes such as disconnection of connectors or operations around the microcomputer. After viewing the above protection history, press the button "STATUS" to return to the normal display.

Clearing the Protection History

If the unit is in "Protection History Display Mode", just press and hold the "PURE DIRECT" button for 3 seconds. **Note:** If you do not mind erasing your settings from this unit, you can also "Initialized/Micro Reset the unit to clear the Protection History from the unit's memory.

If the unit is not in "Protection History Display Mode", enter the "Protection History Display Mode":

1. Press and hold the "INTERNET RADIO" and the "ONE TOUCH PLAY" buttons at the same time and press the "POWER" button to turn on the power.
2. Press the "STATUS" button to turn on the FL display.

Press and hold "PURE DIRECT" for 3 seconds.

FLD	L1	P	R	O	T	E	C	T		
	L2		H	I	S	T	O	R	Y	
	L3	:	D	C						

Press and hold "PURE DIRECT" for 3 seconds and "CLEAR" is displayed followed by "NO PROTECT".
The unit's Protection History is now cleared.

FLD	L3	C	L	E	A	R				
FLD	L3	:	N	O						

Warning Displays by POWER LED

If the power is turned off while a protection is detected, the POWER LED (red) flashes in the following ways as a warning according to the protection status.

- (a) ASO/DC protection: Flashes in 0.5-second cycles (0.25 seconds lit, 0.25 seconds unlit)
- (b) THERMAL protection: Flashes in 2-second cycles (1 seconds lit, 1 seconds unlit)

The End

NOTE:

This edition is missing the link to the IR Codes.....12/13/2016

