

- Model Information Index
- Front Panel
- Rear Panel
- Remote Control
- Warranty
- Reset Procedure
- Accessories
- Protection History Display Mode
- Upgrades/Updates
- Product Specifications
- I/R Codes

Model Information

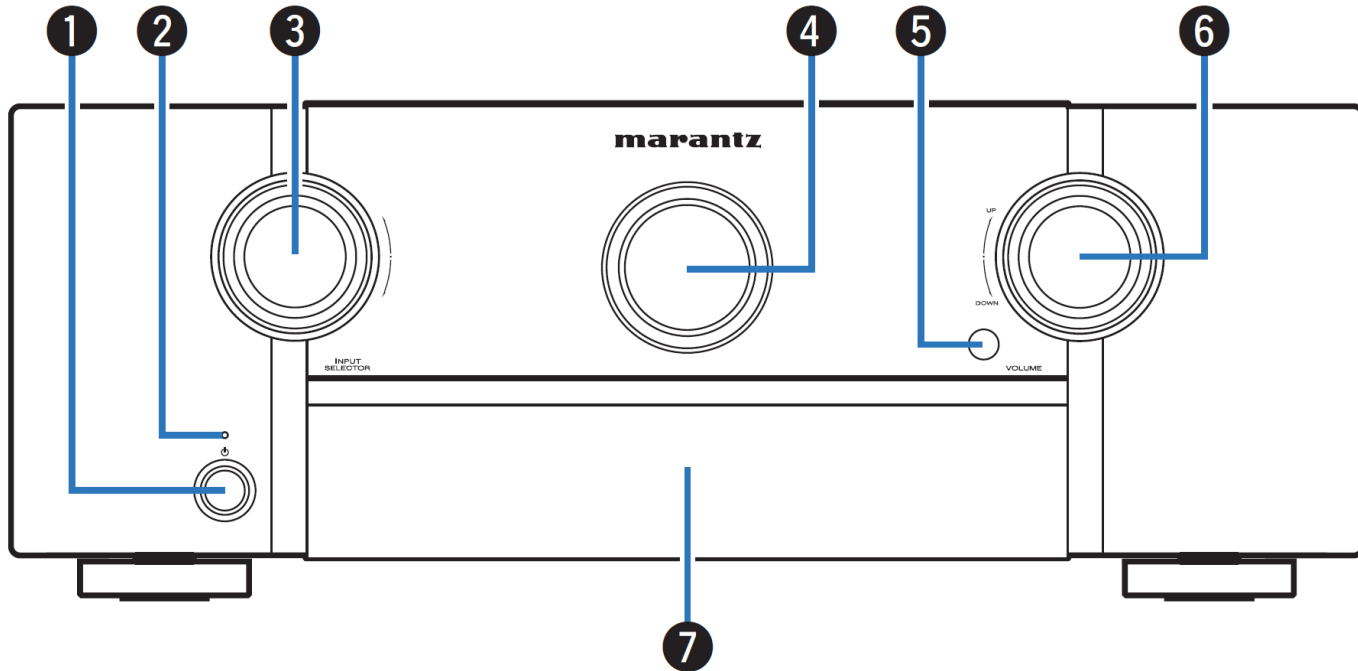
INTEGRATED NETWORK AV RECEIVER



NOTE:

This edition is missing the link to the IR codes..... 11/17/2016

Front Panel



1 Power operation button (⏻)

Used to turn the power of the MAIN ZONE (room where this unit is located) on/off (standby).

2 Power indicator

This is lit as follows according to the power status:

- Off: Power on
- Red: Normal standby
- Orange:
- When "HDMI Pass Through" is set to "On"
- When "HDMI Control" is set to "On"
- When "IP Control" is set to "Always On"

3 INPUT SELECTOR knob

This selects the input source.

4 Display

This displays various pieces of information.

5 Remote control sensor

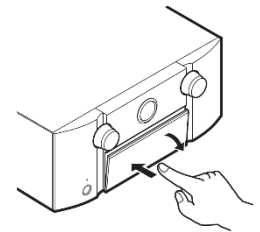
This receives signals from the remote control unit.

6 VOLUME knob

This adjusts the volume level.

7 Door

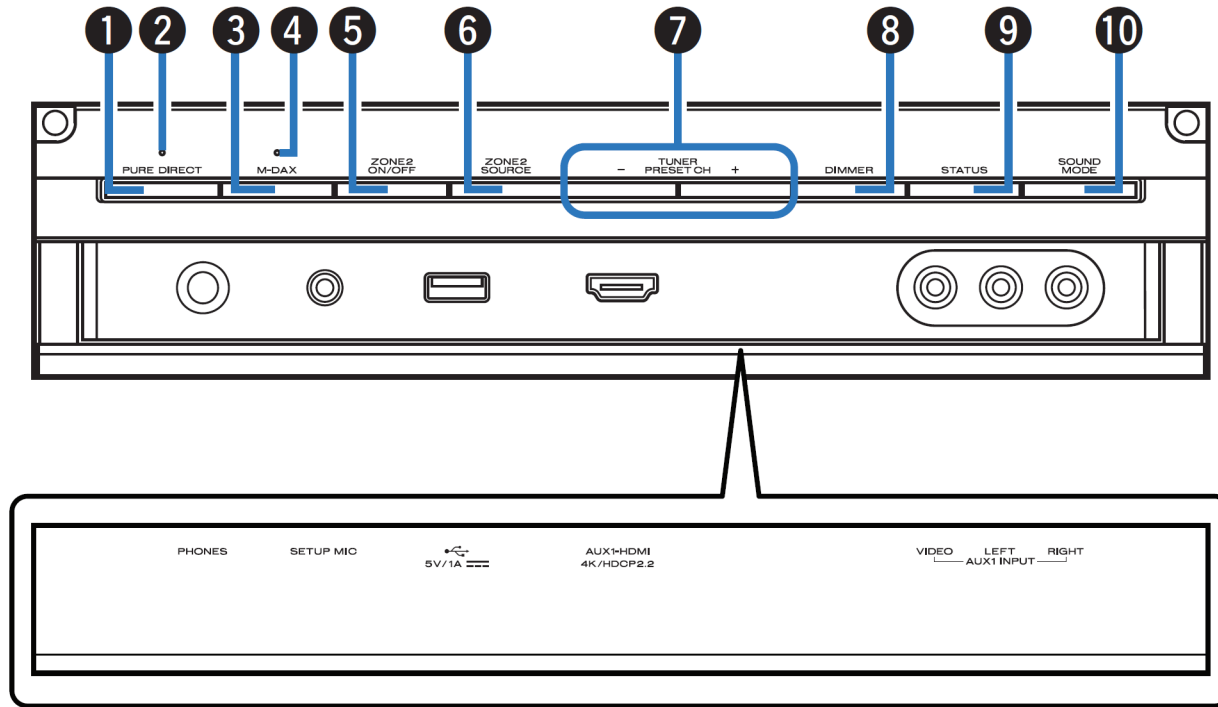
When you are using buttons and/or connectors behind the door, press the bottom of the door to open it. Be careful not to catch your fingers when closing the door.



HOME

Buttons and Display exposed when the door is Open (1 of 2)

With The Door Open (1 of 2)



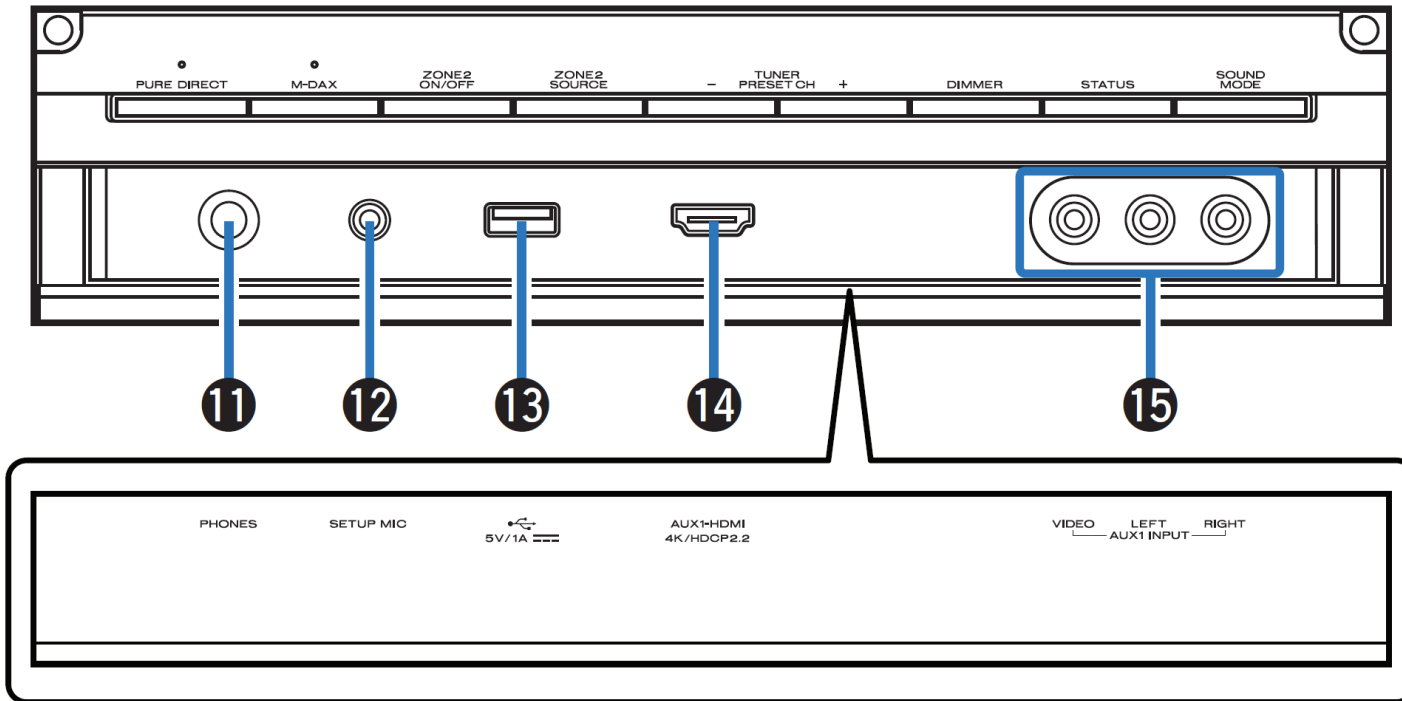
- 1 PURE DIRECT button**
This switches the sound mode between Direct, Pure Direct and Auto surround.
 - “Direct playback”
 - “Pure Direct playback”
 - “Auto surround playback”
- 2 PURE DIRECT indicator**
This lights when the Pure Direct mode is selected as the sound mode.
- 3 M-DAX button**
This switches the M-DAX mode.
- 4 M-DAX indicator**
This lights when the M-DAX mode is selected.
- 5 ZONE2 ON/OFF button**
This turns the power of ZONE2 (separate room) on/off.
- 6 ZONE2 SOURCE button**
This selects the input source for ZONE2.
- 7 Tuner preset channel buttons (TUNER PRESET CH +, -)**
These select preset broadcast stations.
- 8 DIMMER button**
Each press of this switches the brightness of the display.
- 9 STATUS button**
Each press of this switches the status information that is shown on the display.
- 10 SOUND MODE button**
Switching the sound mode.

FRONT PANEL

HOME

Buttons and Display exposed when the door is Open (2 of 2)

With The Door Open (2 of 2)



- 11 Headphones jack (PHONES)**
This is used to connect headphones. When the headphones are plugged into this jack, audio will no longer be output from the connected speakers or from the PRE OUT connectors.
NOTE:
To prevent hearing loss, do not raise the volume level excessively when using headphones.

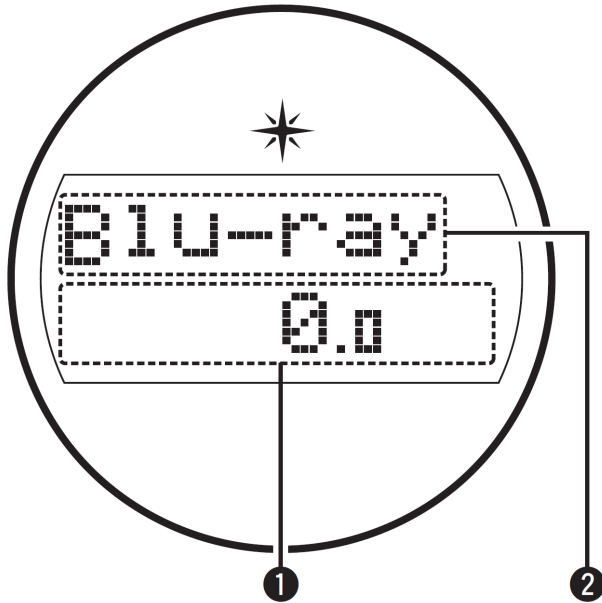
- 12 SETUP MIC jack**
This is used to connect the supplied Sound calibration microphone.
- 13 USB port**
This is used to connect USB storages (such as USB memory devices) and the USB cable supplied with iPod.
- 14 AUX1-HDMI connector**
This is used to connect HDMI output compatible devices such as video camcorders and game consoles.
- 15 AUX1 INPUT connectors**
Used to connect analog output compatible devices such as video camcorders and game consoles.

Main Display (1 of 2)

Main display

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

❑ Standard display



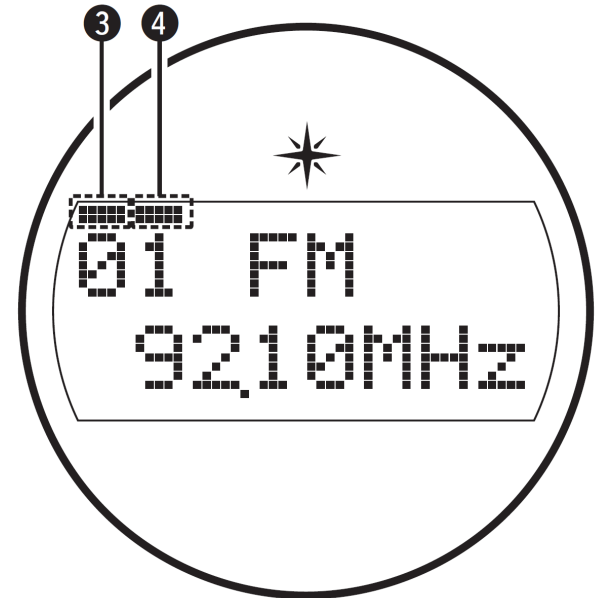
1 Volume indicator

2 Input source indicator

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

❑ Tuner display

These light up according to the reception conditions when the input source is set to "HD Radio".

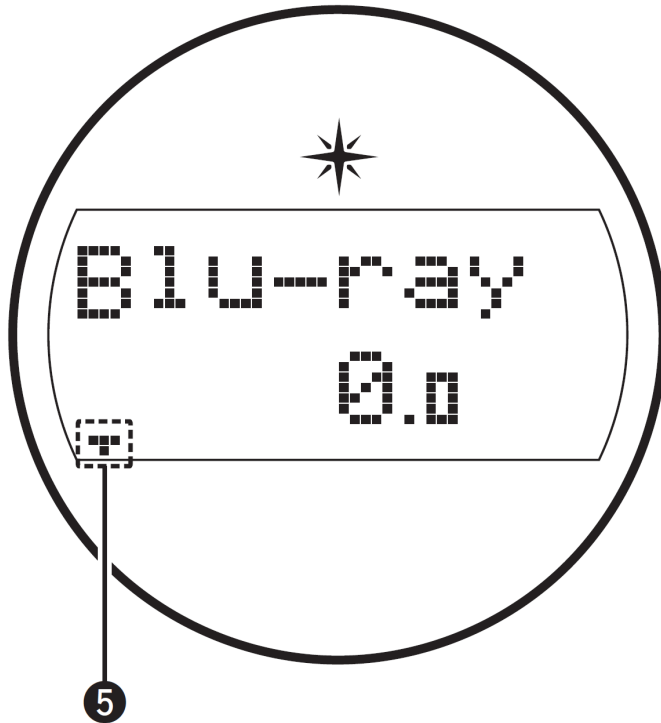


3 Lights up when the broadcast is properly tuned in.

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

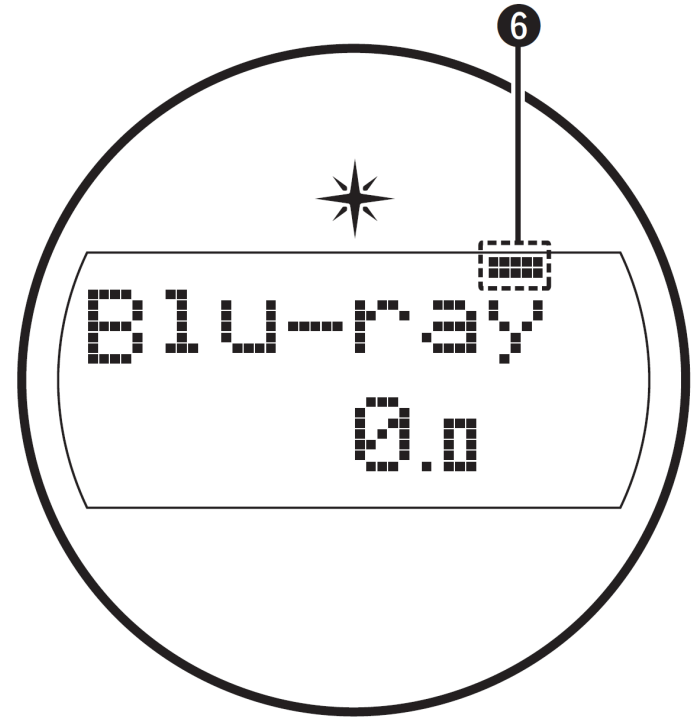
Main Display (2 of 2)

Sleep timer indicator



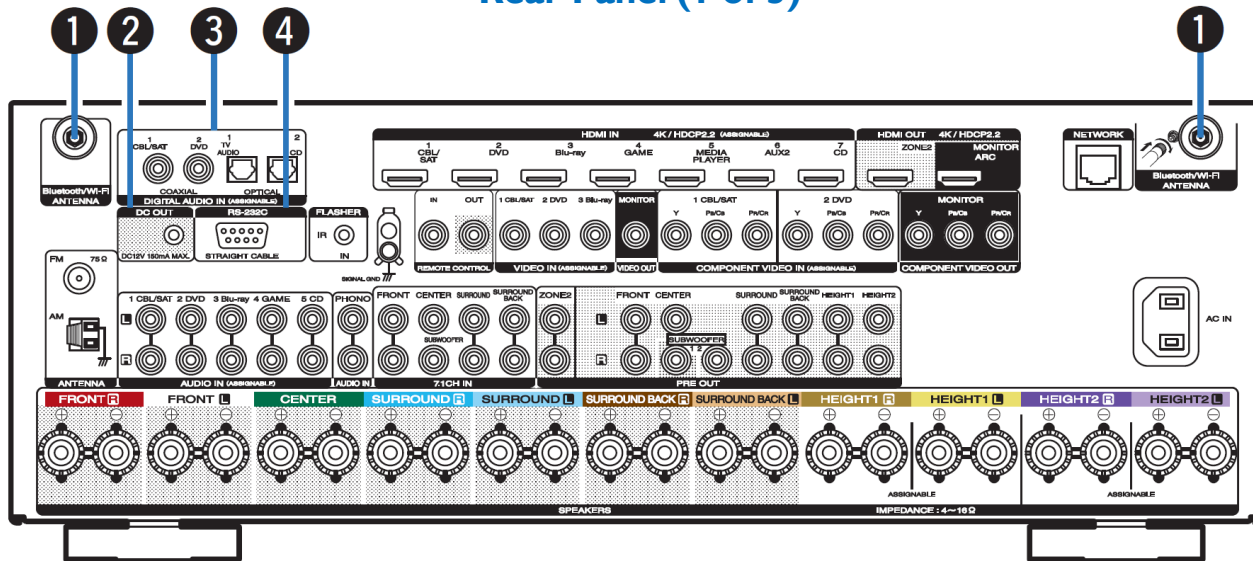
5 This lights when the sleep mode is selected.

ZONE2 power on display



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

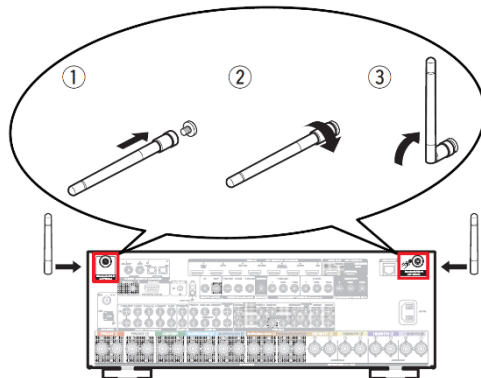
Rear Panel (1 of 3)



1 Bluetooth/wireless LAN antenna connectors

Used to connect the included external antennas for Bluetooth/wireless connectivity when connecting to a network via wireless LAN, or when connecting to a handheld device via Bluetooth.

- Place the external antennas for Bluetooth/wireless connectivity evenly over the screw terminal of rear.
- Turn clockwise until the antennas is fully connected.
- Rotate the antenna upwards for best reception.



2 DC OUT jacks

Used to connect devices equipped with the trigger function.

3 Digital audio connectors (DIGITAL AUDIO)

Used to connect devices equipped with digital audio connectors.

- “Connection 2 : TV equipped with an HDMI connector and incompatible with the ARC (Audio Return Channel)”
- “Connection 3 : TV equipped without an HDMI connector”
- “Connecting a set-top box (Satellite tuner/cable TV)”
- “Connecting a DVD player or Blu-ray Disc player”

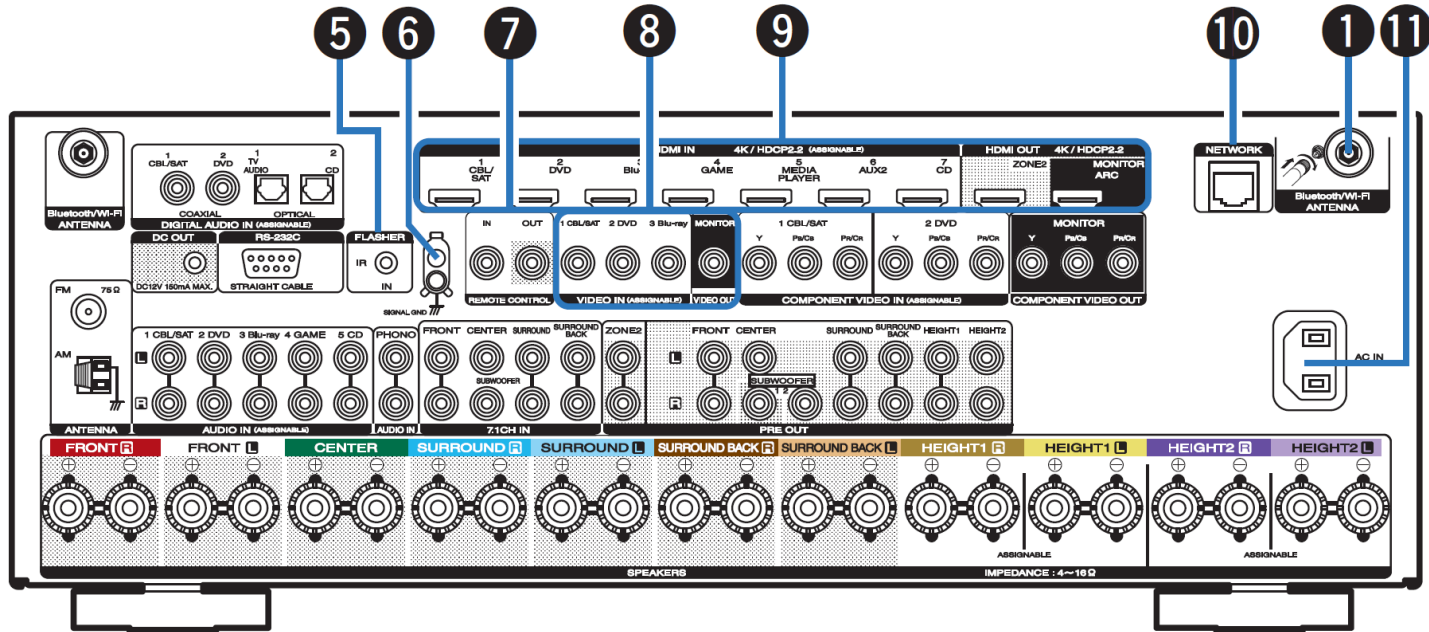
4 RS-232C connector

Used to connect home automation controller devices fitted with RS-232C connectors. Consult the owner’s manual of the home automation controller for more information about serial control of this unit.

Perform the operation below beforehand.

1. Turn on the power of this unit.
2. Turn off the power of this unit from the external controller.
3. Check that the unit is in the standby mode.

Rear Panel (2 of 3)



5 FLASHER IN jack

Used when using a control BOX or other such control devices to control this unit.

6 SIGNAL GND terminal

Used to connect a ground wire for the turntable.

7 REMOTE CONTROL jacks

Used to connect infrared receivers/transmitters in order to operate this unit and external devices from a different room.

8 Video connectors (VIDEO)

Used to connect devices equipped with video connectors.

- “Connection 3 : TV equipped without an HDMI connector”.
- “Connecting a set-top box (Satellite tuner/cable TV)”
- “Connecting a DVD player or Blu-ray Disc player”.

9 HDMI connectors

Used to connect devices equipped with HDMI connectors.

- “Connection 1 : TV equipped with an HDMI connector and compatible with the ARC (Audio Return Channel)”.
- “Connection 2 : TV equipped with an HDMI connector and incompatible with the ARC (Audio Return Channel)”.
- “Connecting a set-top box (Satellite tuner/cable TV)”
- “Connecting a DVD player or Blu-ray Disc player”.

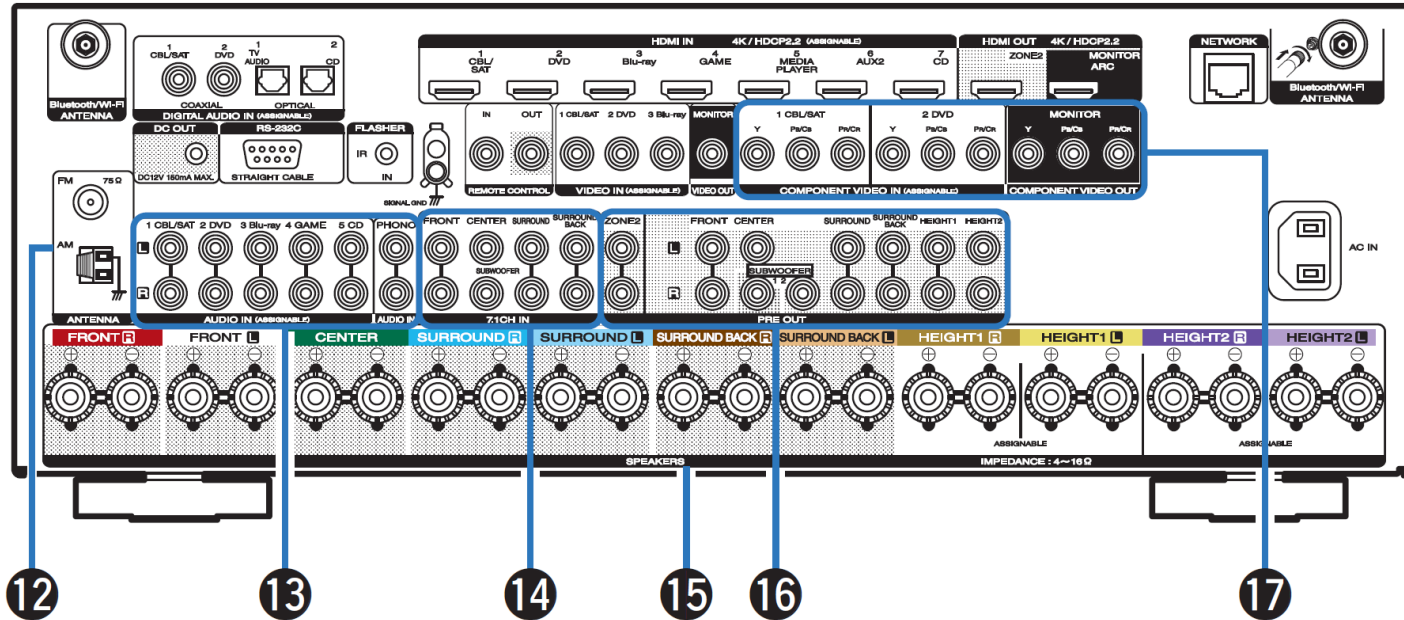
10 NETWORK connector

Used to connect to a LAN cable when connecting to a wired LAN network.

11 AC inlet (AC IN)

Used to connect the power cord.

Rear Panel (3 of 3)



12 FM/AM antenna terminals (ANTENNA)

Used to connect FM antennas and AM loop antennas.

13 Analog audio connectors (AUDIO)

Used to connect devices equipped with analog audio connectors.

- “Connecting a set-top box (Satellite tuner/cable TV)”.
- “Connecting a DVD player or Blu-ray Disc player”.
- “Connecting a turntable”.

14 7.1-channel input connectors (7.1CH IN)

Used to connect to a device that has multi-channel audio output connectors.

15 Speaker terminals (SPEAKERS)

Used to connect speakers.

16 PRE OUT connectors

Used to connect a subwoofer with built-in amplifier or an external power amplifier.

- “Connecting the subwoofer”.
- “Connection using an external amplifier (ZONE2).”

17 Component video connectors (COMPONENT VIDEO)

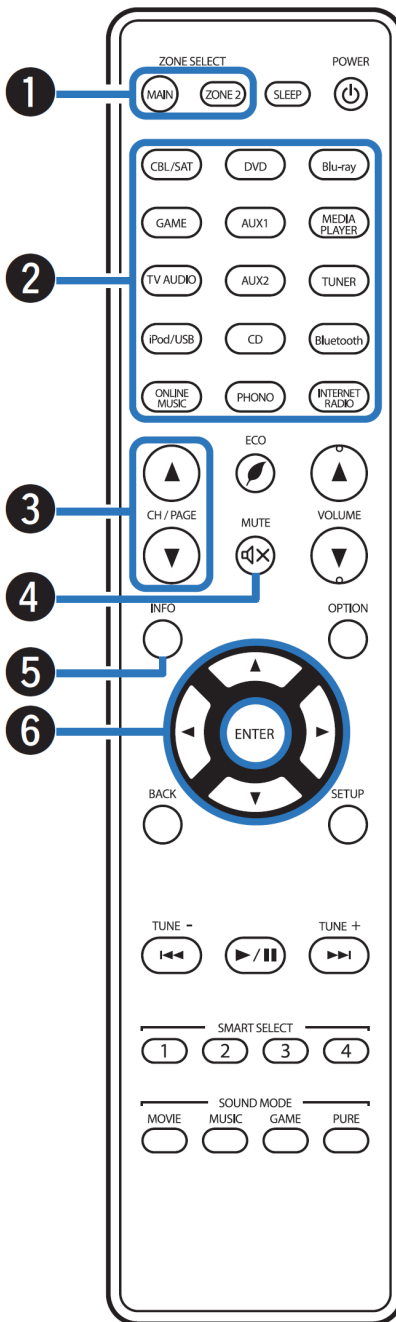
Used to connect devices equipped with component video connectors.

- “Connection 3 : TV equipped without an HDMI connector”.
- “Connecting a set-top box (Satellite tuner/cable TV)”.
- “Connecting a DVD player or Blu-ray Disc player”.

NOTE:

Do not touch the inner pins of the connectors on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

Remote Control (1 of 3)



- 1 ZONE SELECT buttons**

These switch the zone (MAIN ZONE, ZONE2) that is operated through the remote control unit.

 - “Playback in ZONE2”.
 - “Menu operations”.
- 2 Input source select buttons**

These selects the input source.

 - “Selecting the input source”.
 - “Playback in ZONE2”.
- 3 Channel/page search buttons (CH/PAGE▲▼)**

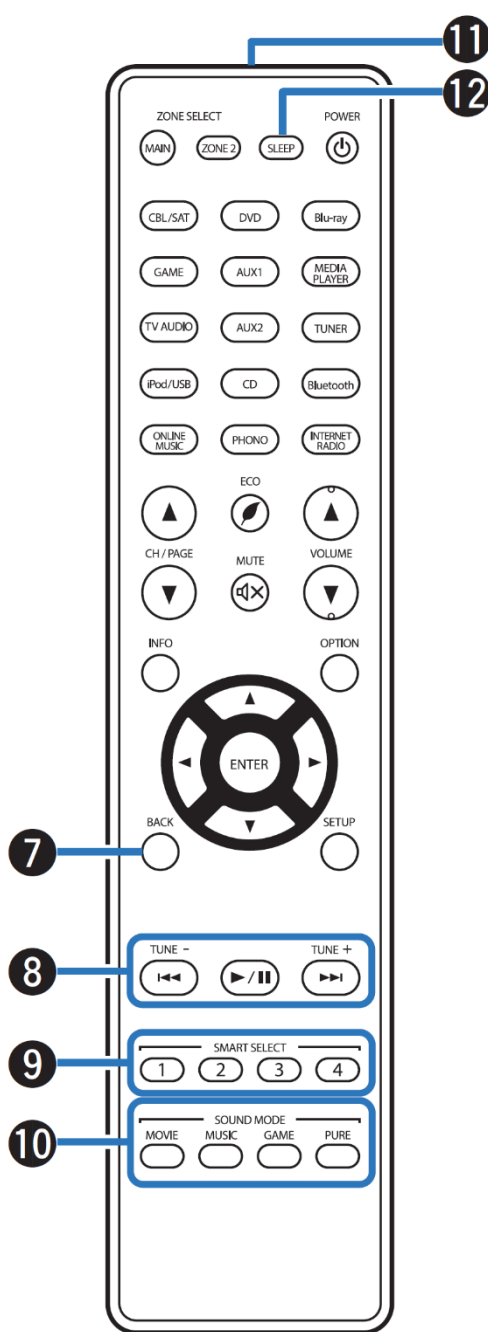
These select radio stations registered to presets or switch pages.
- 4 MUTE button**

This mutes the output audio.

 - “Turning off the sound temporarily (Muting)”.
 - “Turning off the sound temporarily (Muting) (ZONE2)”.
- 5 Information button (INFO)**

This displays the status information on the TV screen.
- 6 Cursor buttons (▲▼◀▶)**

Remote Control (2 of 3)



7 BACK button

This returns to the previous screen.

8 System buttons

These perform playback related operations.

Tuning up / Tuning down buttons (TUNE +, -)

These select either FM broadcast or AM broadcast.

9 SMART SELECT buttons.

These call up settings registered to each button, such as input source, volume level and sound mode settings.

10 SOUND MODE buttons

These select the sound mode.

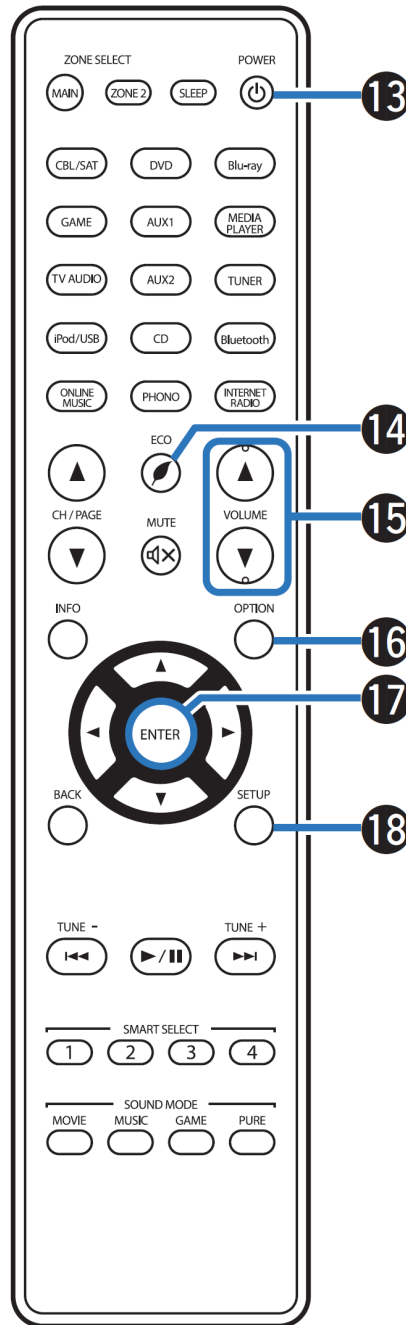
11 Remote control signal transmitter

This transmits signals from the remote control unit.

12 SLEEP button

This sets the sleep timer.

Remote Control (3 of 3)



13 POWER button

- This turns the power on/off.
- “Turning the power on”.
 - “Playback in ZONE2”.

14 ECO Mode button

- This switches to ECO Mode.

15 VOLUME buttons (▲▼)

- These adjust the volume level.
- “Adjusting the volume”.
 - “Adjusting the volume (ZONE2)”.

16 OPTION button

- This displays the option menu on the TV screen.

17 ENTER button

- This determines the selection.

18 SETUP button

- This displays the menu on the TV screen.

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

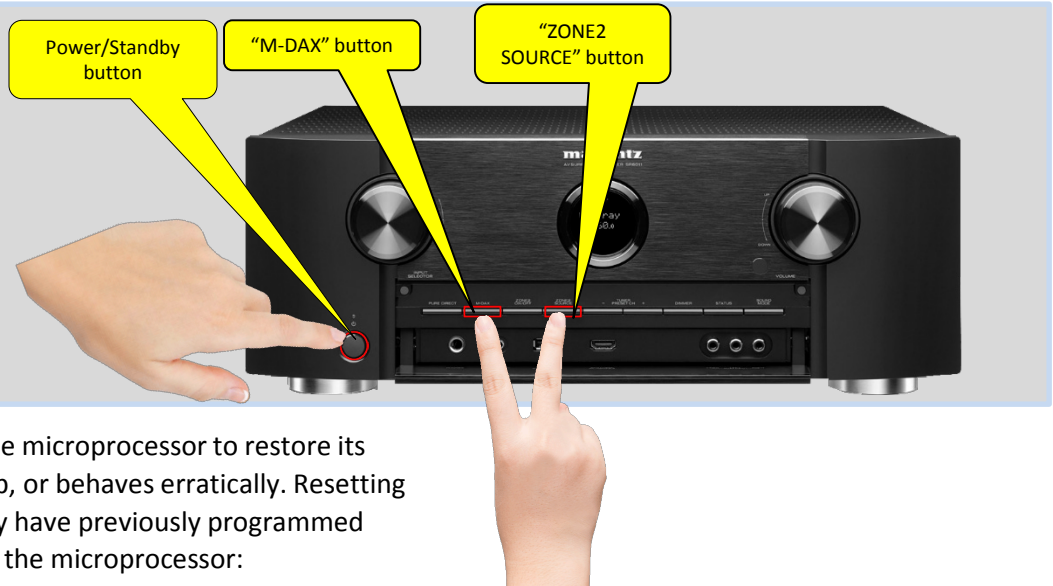
Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

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

Important: Back up the settings before resetting the microprocessor. Most settings are reset to the factory default values after performing this procedure. This means that all the settings data will be completely lost if it's not previously saved.

Reset procedure:

With the power off, press and hold the "M-DAX" button, "ZONE 2 SOURCE" button, and "POWER" button simultaneously on the AVR for a few seconds until "INITIALIZED" appears on the AVR's display



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

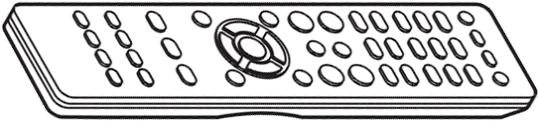

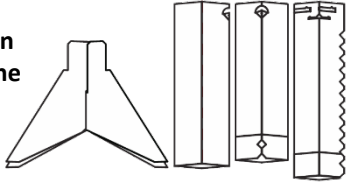

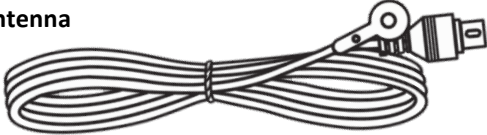
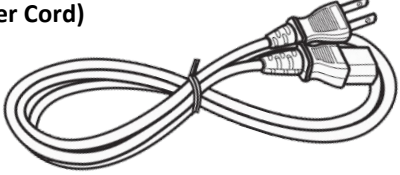
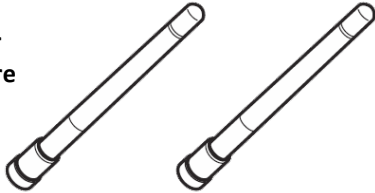
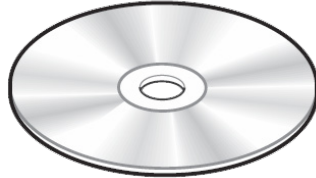
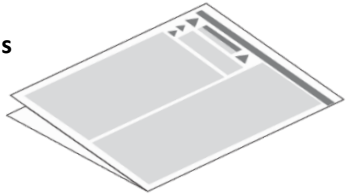
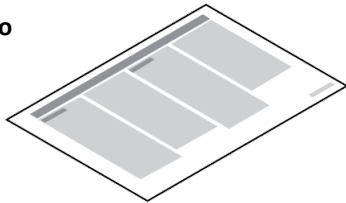
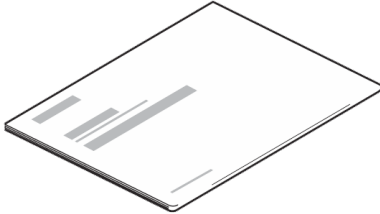
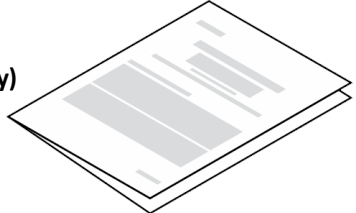
Before resetting the microprocessor;

- Check all connections carefully
- Check for setup errors
- Back up your settings. You may also want to write down your preferred settings for easier task of setting up the AVR after reset.

Note: The Web (Browser) Control feature can be used to back up your settings by saving a configuration file on your hard drive. For this feature, we recommend using one of the following web browsers: Internet Explorer 10 and above, Mozilla Firefox 24 and above, Google Chrome 29 and above, and Safari 5.x and above.

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 (RC025SR) 		Sound Calibration Microphone (ACM1HB) 		Sound Calibration Microphone Stand 	
30701020500AM	\$42.99	32401000800AD	\$31.99	42911002000AS	\$14.99
AM Loop Antenna 		FM Indoor Antenna 		Power Cord) 	
963116100070S	\$8.99	943116100170D	\$5.44	943611501140S	\$10.99
External Antennas For Bluetooth/Wireless Connectivity 		CD ROM Owner's Manual 		Safety Instructions 	
11601005400AS	\$10.56				
Notes on Radio 		Quick Start Guide 		Warranty (For North America Only) 	

RESET

HOME

FAQ's

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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 SR6011, 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 SR6011 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
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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 **SR6011** 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.)	
			150 W + 150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)	
		Center	110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)	
			150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)	
		Surround	110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)	
			150 W + 150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)	
		Surround back / Height1 / Height2	110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)	
			150 W + 150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)	
		Output connector		4 – 16 Ω/ohms
		Analog	Input sensitivity/Input impedance	
Frequency response			10 Hz – 100 kHz — +1, –3 dB (Direct mode)	
S/N			10 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, Wireless LAN Section

Video section			
Standard video connectors	Input/output level and impedance		1 Vp-p, 75 Ω/ohms
	Frequency response		5 Hz -10MHz, 0, - 3dB
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

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		520 KHz - 1710 KHz
Effective sensitivity	1.2 μV (12.8 dBf)		18 μV
50 dB sensitivity	Mono – 2.8 μV (20.2 dBf)		
S/N ratio	Mono	70 dB	
	Stereo	67 dB	
Distortion	Mono	0.7 % (1KHz)	
	Stereo	1.0 % (1KHz)	

Wireless LAN section			
Network type (wireless LAN standard)	Conforming to IEEE 802.11a/b/g/n (Wi-Fi® compliant) *1		
Security	WEP 64 bit, WEP 128 bit WPA/WPA2-PSK (AES) WPA/WPA2-PSK (TKIP)		
Radio frequency	2.4 GHz, 5GHz		
No of Channels	2.4 GHz	1 - 11ch	
	5 GHz	36 – 48ch, 149 – 165ch	

*1 The Wi-fi® CERTIFIED Logo and the Wi-Fi CERTIFIED On-Product Logo are registered trademarks of the Wi-Fi Alliance.

Specifications – Bluetooth Section, General Section

Bluetooth section

Communications system	Bluetooth Version 2.1 + EDR (Enhanced Data Rate)
Transmission power	Maximum 2.5 mW (Class 2)
Maximum communication range	Approx. 98.4 ft/30 m in line of sight *2
Frequency band	2.4 GHz
Modulation scheme	FHSS (Frequency-Hopping Spread Spectrum)
Supported files	A2DP (Advanced Audio Distribution Profile) 1.2 AVRCP (Audio Video Remote Control Profile) 1.4
Corresponding codec	SBC, AAC
Transmission range (A2DP)	20 Hz ~ 20,000 Hz

*2 The actual communication range varies depending on the influence of such factors as obstructions between devices, electromagnetic waves from microwave ovens, static electricity, cordless phones, reception sensitivity, antenna performance, operating system, application software, etc.

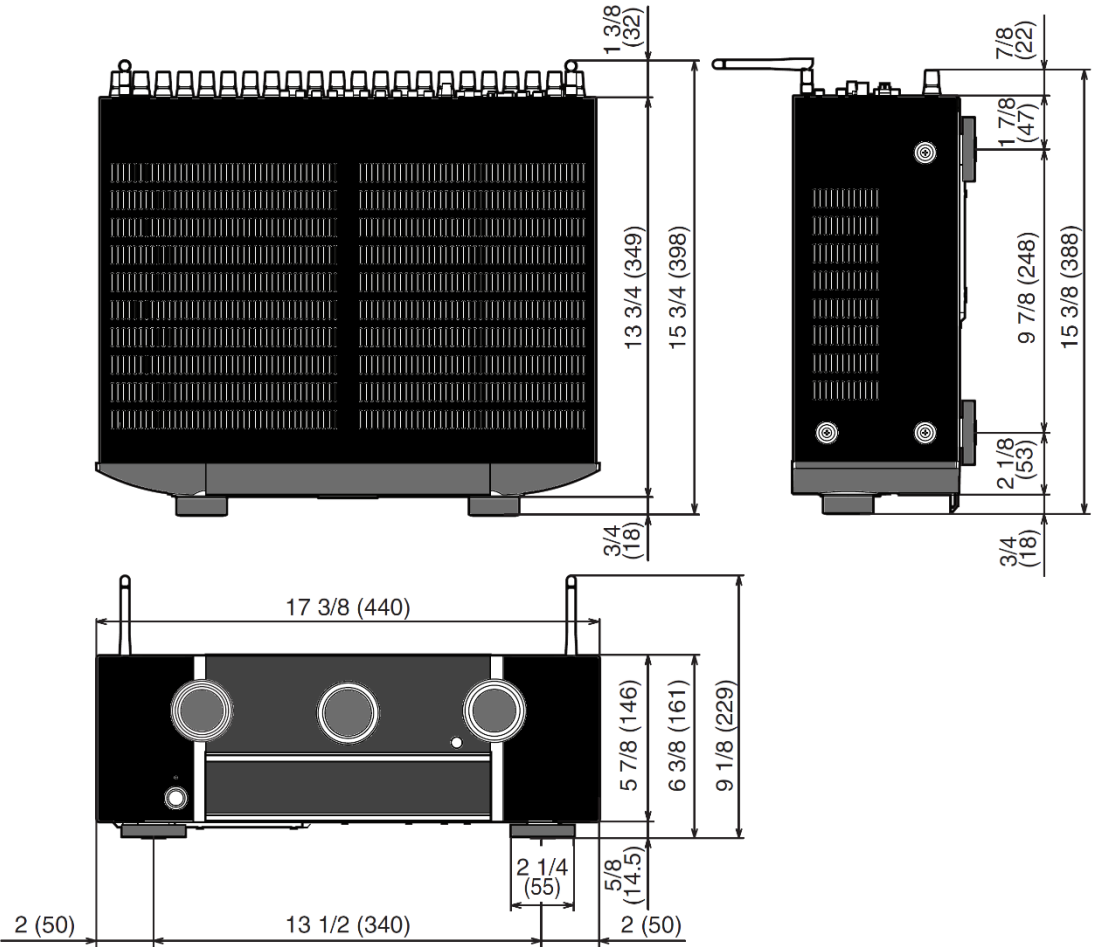
General section

Power supply	AC 120V, 60Hz
Power consumption	680W
Power consumption in standby mode	0.2W
Power consumption in CEC standby mode	0.5W
Power consumption in network standby mode:	2.7W

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

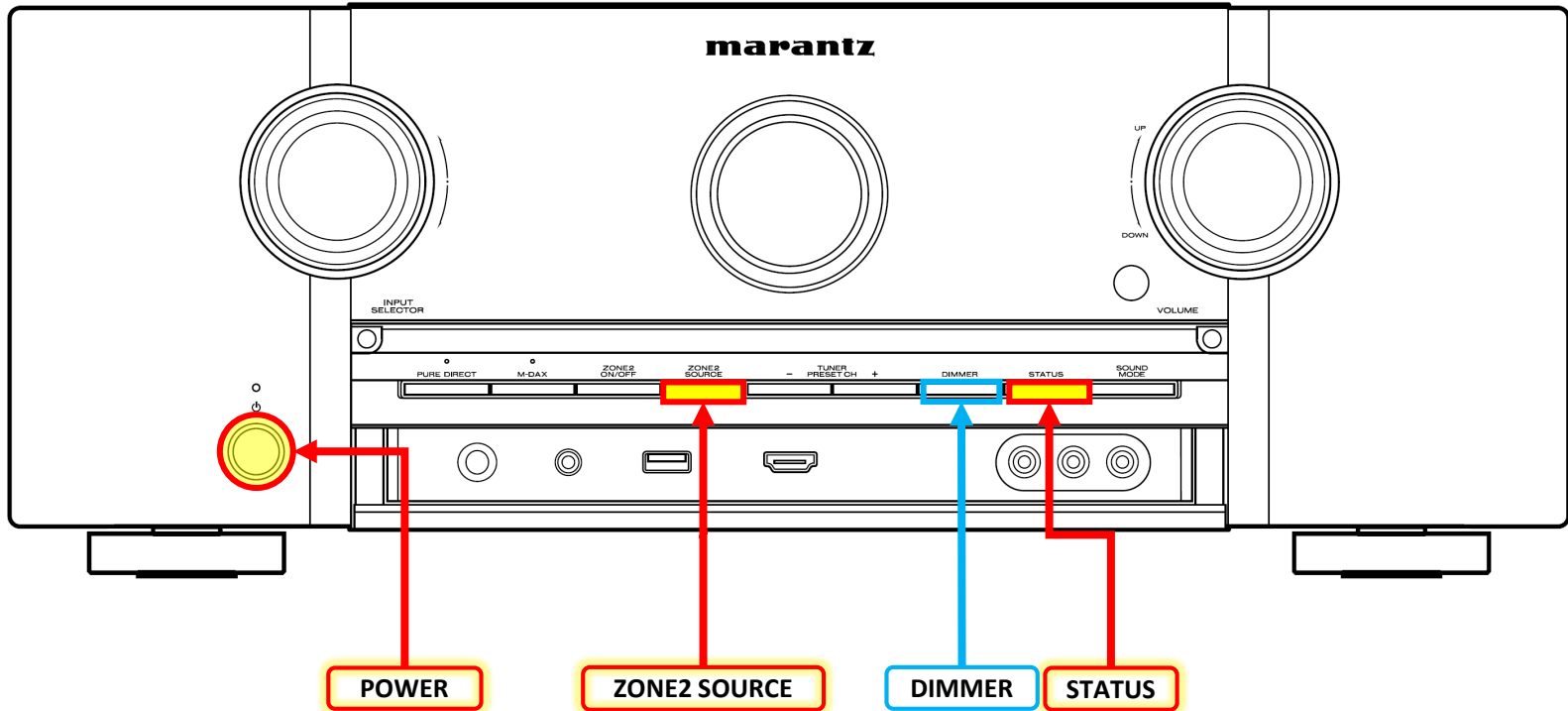
Specifications – Dimensions, Weight

Dimensions section (Unit : inch/mm)



Weight: 28 lbs (12.7 kg)

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 “**ZONE 2 SOURCE**” and the “**STATUS**” buttons at the same time and press the “**POWER**” button to turn on the power.
2. The unit enters the “**Diagnostic Mode/Service Path Check Mode**” (Protection History Display, or RS232C Reset) and “**SERVICE CHECK**” is first displayed.
3. Press the “**TUNER PRESET+/-**” buttons to switch modes and press the “**STATUS**” button when “**Protection History Display Mode**” is displayed.
4. Press the “**STATUS**” button to display Protection History.

Clearing the Protection History

If the unit is in "Protection History Display Mode", just press and hold the "DIMMER" 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":

Hold down buttons "STATUS" and "ZONE 2 SOURCE" at the same time and press the power button to turn on the power.

Select the "2. PROTECTION" using the "TUNER PRESET +/-" buttons, and press the "STATUS" button.

Press the "STATUS" button and the unit will display the Protection History condition.

Press and hold "DIMMER" 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 "DIMMER" for 3 seconds and "CLEAR" is displayed followed by "NO PROTECT".

FLD	L3	C	L	E	A	R				
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The unit's Protection History is now cleared.

FLD	L3	:	N	O						
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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 (E/F) 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.....11/17/2016

