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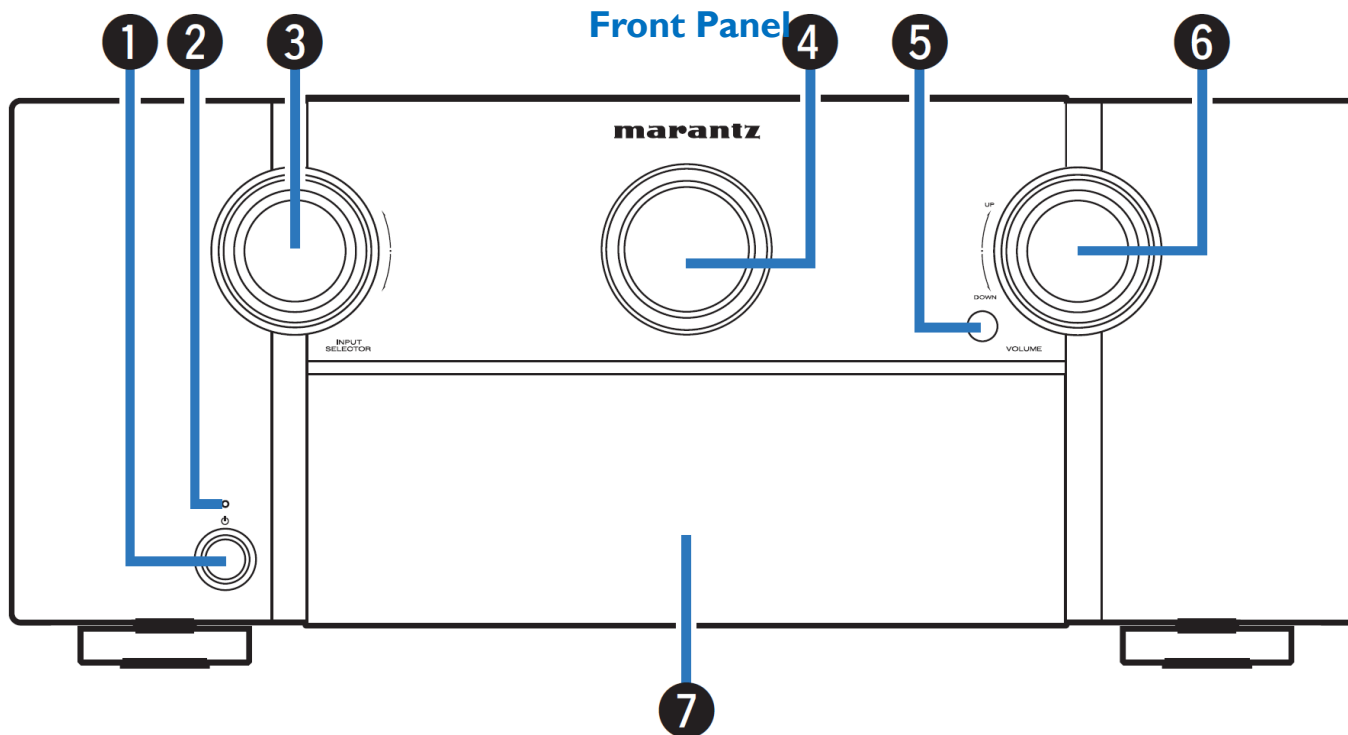
## Model Information

### INTEGRATED NETWORK AV RECEIVER



**NOTE:**

This edition is missing the link to the IR codes..... 12/05/2016



**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 Main display**

This displays various pieces of information.

**5 Remote control sensor**

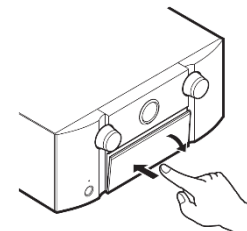
This receives signals from the remote control unit.

**6 VOLUME knob**

This adjusts the volume level.

**7 Door**

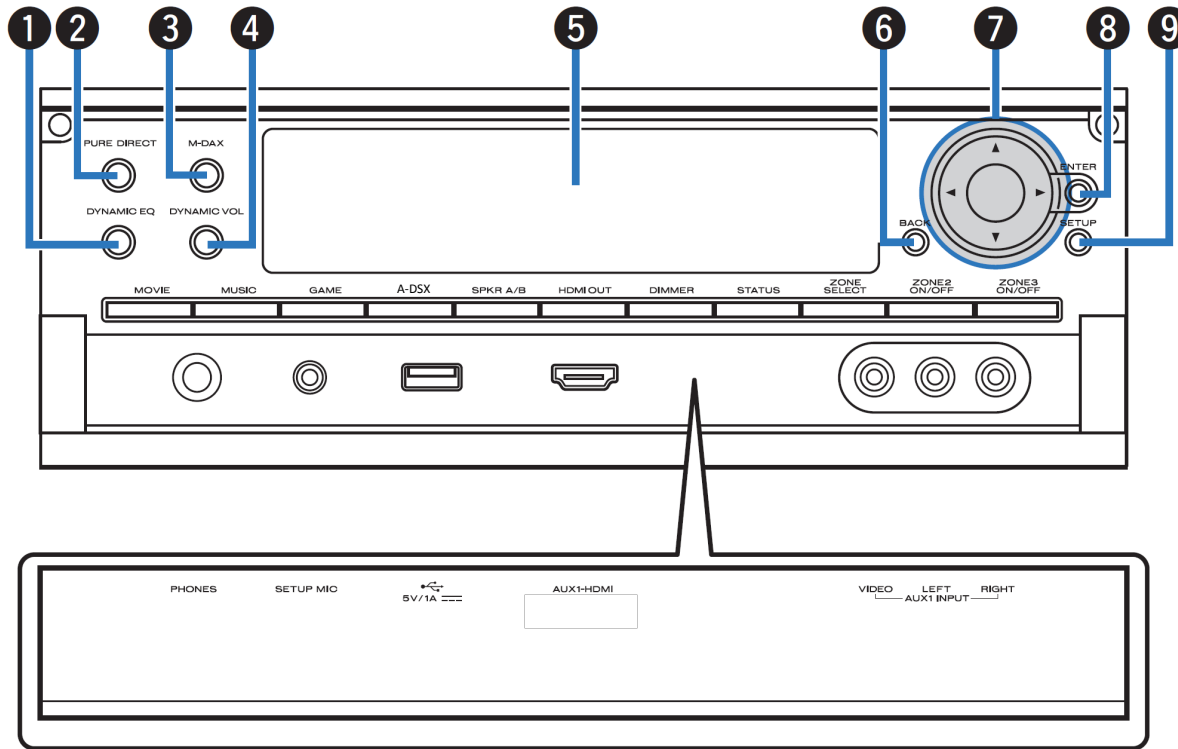
When you are using buttons and/or connectors behind the door, press the bottom of the door to open it. Be careful not to catch your fingers when closing the door.



HOME

Buttons and Display exposed when the door is Open (1 of 3)

## With The Door Open (1 of 3)



### 1 DYNAMIC EQ button

This switches the Dynamic EQ settings.

### 2 PURE DIRECT button/indicator

This switches the sound mode between Direct, Pure Direct and Auto.

This lights when the Pure Direct mode is selected as the sound mode.

### 3 M-DAX button/indicator

This enables the M-DAX mode.

This lights when the M-DAX mode is selected.

### 4 Dynamic Volume button (DYNAMIC VOL)

This switches the Dynamic Volume settings.

### 5 Sub display

This displays various pieces of information.

### 6 BACK button

This returns to the previous screen.

### 7 Cursor buttons (▲▼◀▶)

These select items.

### 8 ENTER button

This determines the selection.

### 9 SETUP button

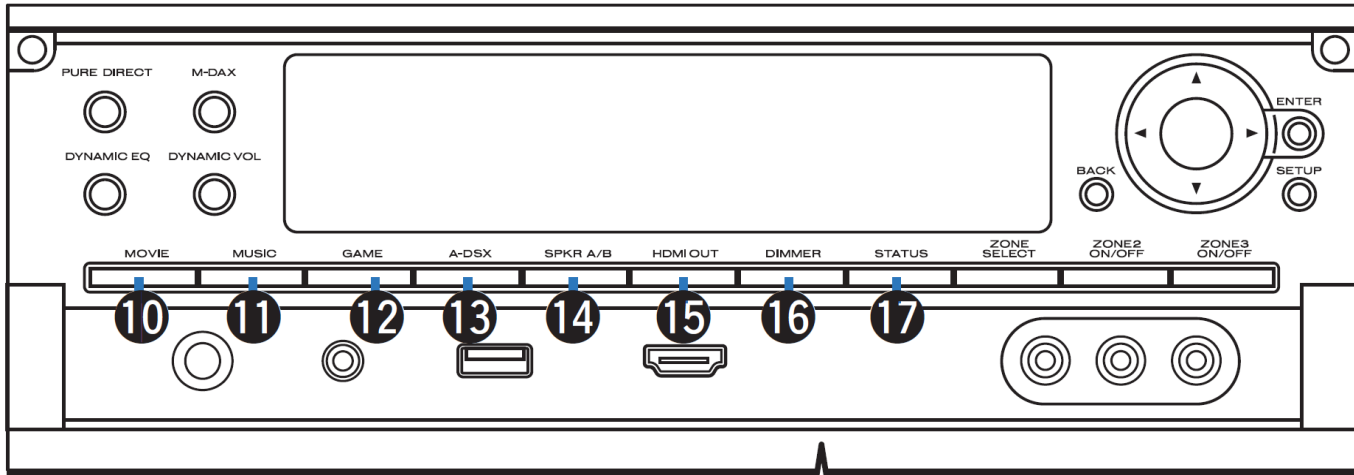
This displays the menu on the TV screen.

FRONT PANEL

HOME

Buttons and Display exposed when the door is  
Open (2 of 3)

## With The Door Open (2 of 3)



### 10 MOVIE button

This switches the sound mode to “Movie”.

### 11 MUSIC button

This switches the sound mode to “Music”.

### 12 GAME button

This switches the sound mode to “Game”.

### 13 Audyssey DSX® button (A-DSX)

This switches the Audyssey DSX® settings.

### 14 Speaker A/B switching button (SPKR A/B)

This sets the front speakers to use.

### 15 HDMI OUT button

This sets the HDMI monitor output.

### 16 DIMMER button

Each press of this switches the brightness of the display.

### 17 STATUS button

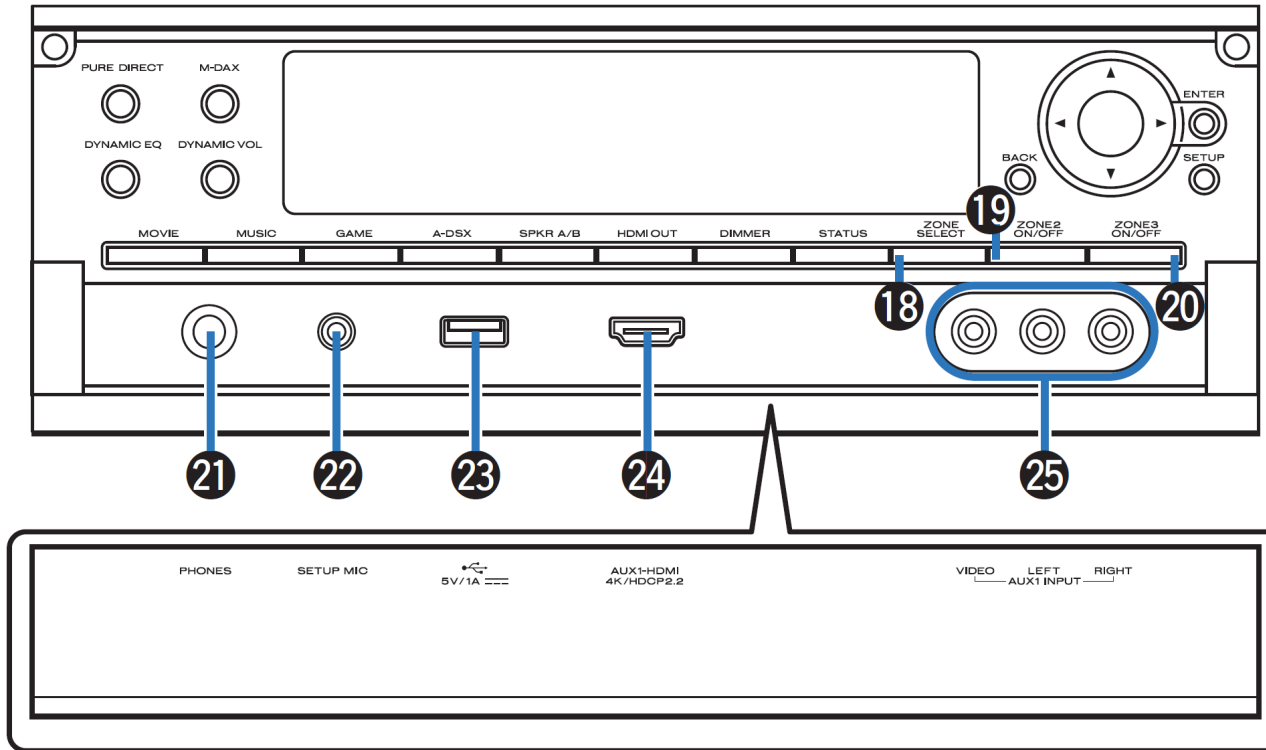
Each press of this switches the status information that is shown on the display.

Buttons and Display exposed when the door is  
Open (2 of 3)

HOME

Buttons and Display exposed when the door is  
Open (3 of 3)

## With The Door Open (3 of 3)



### 18 ZONE SELECT button

These switch the zone (MAIN ZONE, ZONE2, ZONE3) that is operated through the remote control unit.

### 19 ZONE2 ON/OFF button

This turns the power of ZONE2 on/off.

### 20 ZONE3 ON/OFF button

This turns the power of ZONE3 on/off.

### 21 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.

### 22 SETUP MIC jack

This is used to connect the supplied Sound calibration microphone.

### 23 USB port

This is used to connect USB storages (such as USB memory devices).

### 24 AUX1-HDMI connector

This is used to connect HDMI output compatible devices such as video camcorders and game consoles.

### 25 AUX1 INPUT connectors

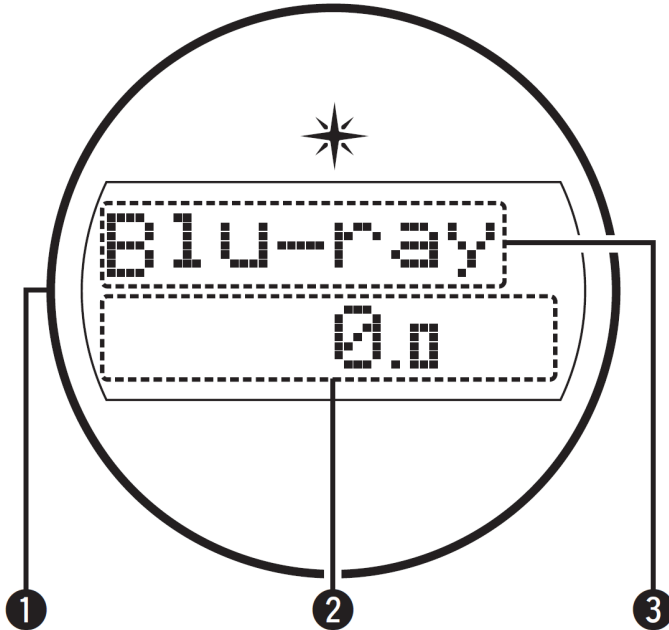
Used to connect analog output compatible devices such as video camcorders and game consoles.

## Main Display (1 of 2)

### Main display

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

#### ❑ Standard display



#### 1 A Light illumination

When the power to this device is switched on, the surrounding area is lit blue. The settings can be changed so the light does not switch on.

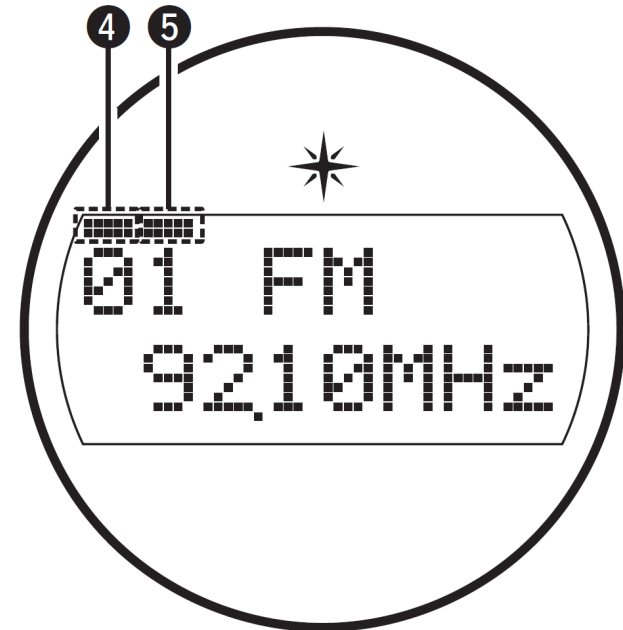
#### 2 Volume indicator

#### 3 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".

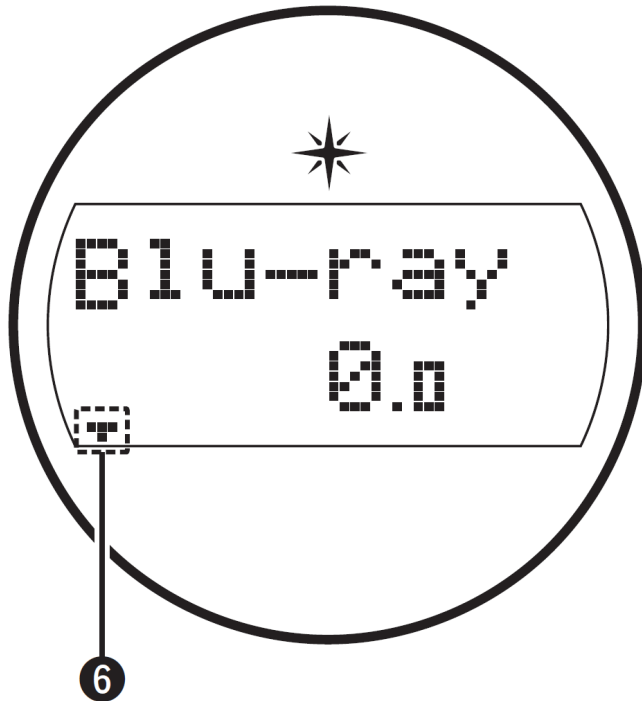


4 Lights up when the broadcast is properly tuned in.

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

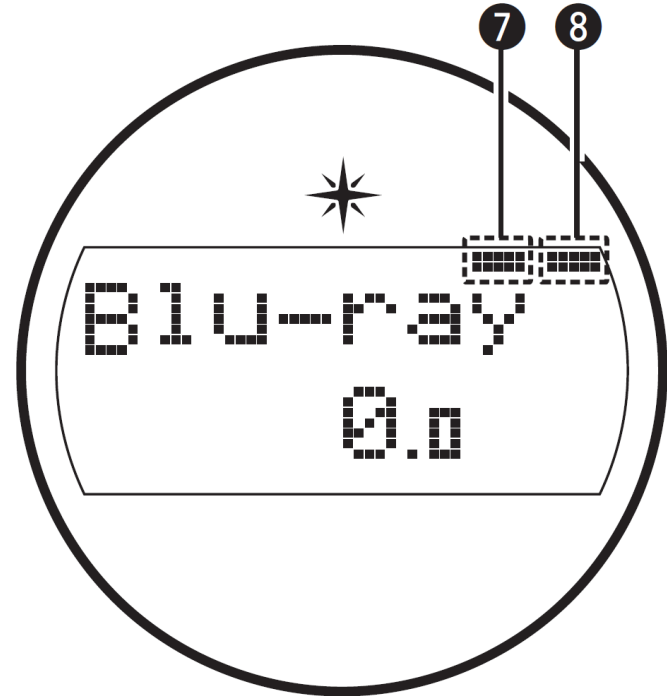
## Main Display (2 of 2)

❑ Sleep timer indicator



6 This lights when the sleep mode is selected.

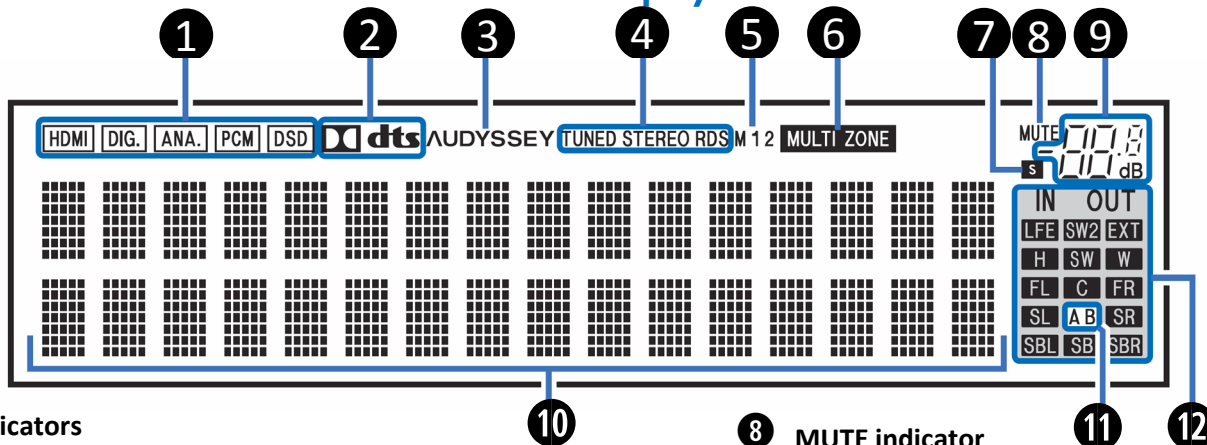
❑ ZONE2/ZONE3 power on display



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

8 This lights up when ZONE3 (separate room) power is turn

## Sub Display



### 1 Input signal indicators

The respective indicator will light corresponding to the input signal.

### 2 Decoder indicators

These light when Dolby or DTS signals are input or when the Dolby or DTS decoder is running.

### 3 Audyssey® indicator

This lights when “MultEQ® XT32”, “Dynamic EQ”, “Dynamic Volume”, “Audyssey DSX®” or “Audyssey LFC™” is set.

### 4 Tuner reception mode indicators

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

**TUNED:** Lights up when the broadcast is properly tuned in.

**STEREO:** Lights up when receiving FM stereo broadcasts.

### 5 Monitor output indicator

These light according to the HDMI monitor output setting. When set to “Auto(Dual)”, the indicators light according to connection status.

### 6 MULTI ZONE indicator

This lights up when ZONE2 or ZONE3 (separate room) power is turned on.

### 7 Sleep timer indicator

This lights when the sleep mode is selected.

### 8 MUTE indicator

This blinks while the sound is muted. link,

### 9 Volume indicator

### 10 Information display

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

### 11 Front speaker indicator

This lights according to the setting of the front A and B speakers.

### 12 Input/output signal channel indicators

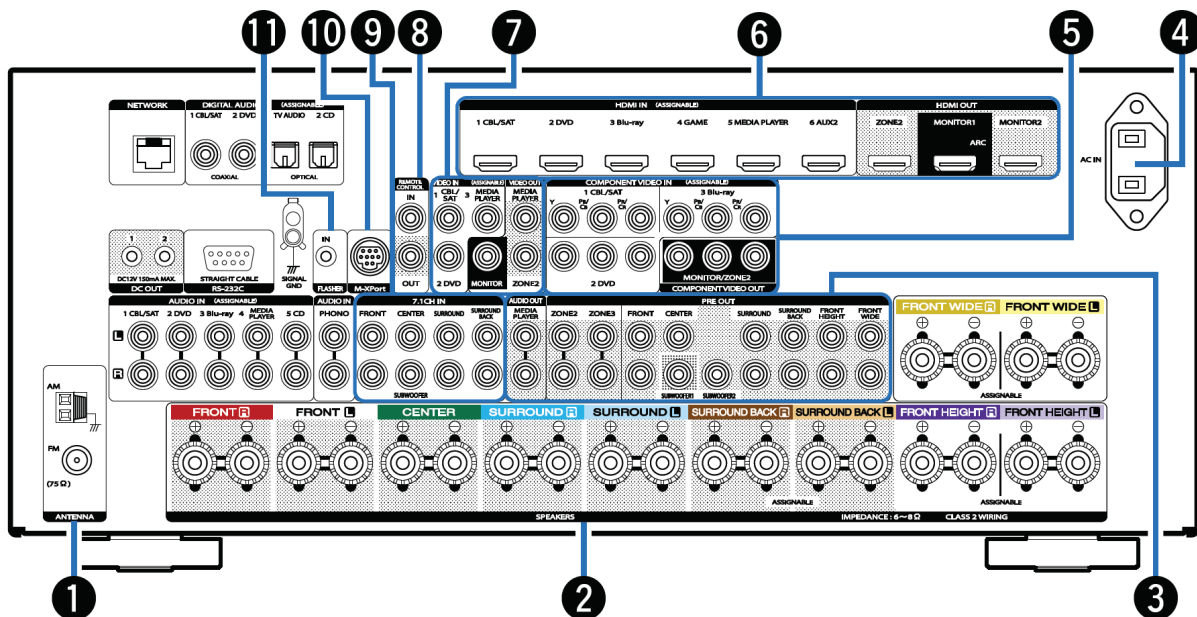
The channel for input/output signals is displayed according to the setting configured for “Channel Indicators”.

- When “Channel Indicators” is set to “Output” (Default) These light when audio signals are being output from the speakers.
- When “Channel Indicators” is set to “Input” These light corresponding to the channels that include the input signals.

When playing HD Audio sources, the EXT indicator lights when a signal from an extension channel (a channel other than the front, center, surround, surround back, front height, front wide or LFE channel) is input.

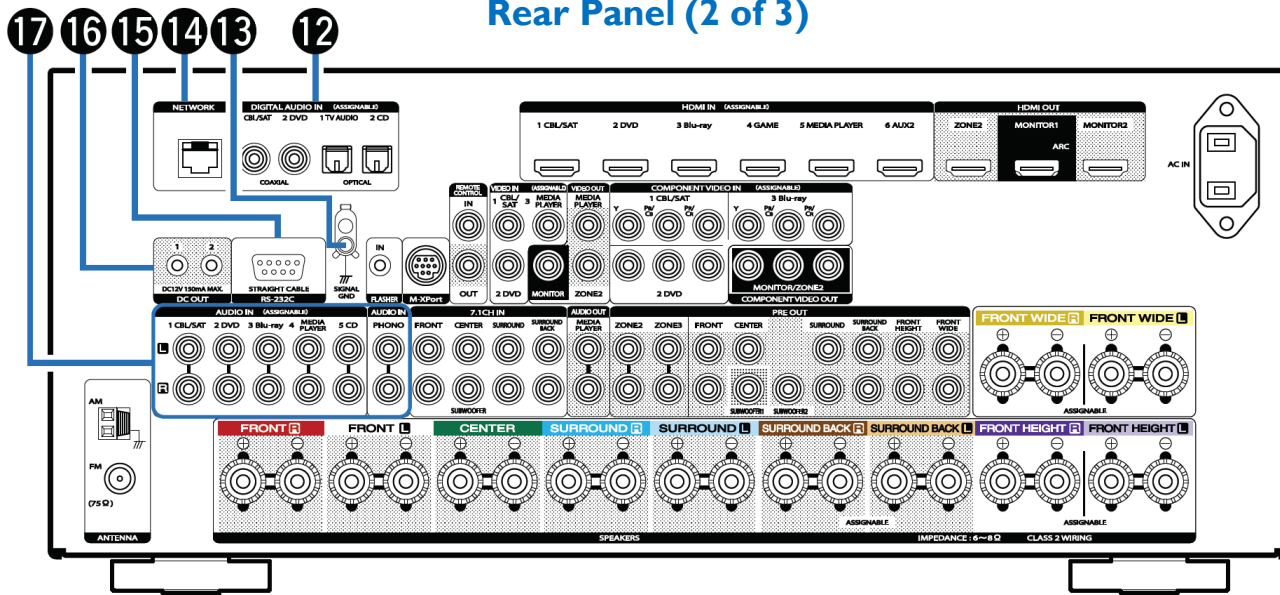


## Rear Panel (1 of 3)



- 1 FM/AM antenna terminals (ANTENNA)**  
Used to connect FM and AM antennas.
- 2 Speaker terminals (SPEAKERS)**  
Used to connect speakers.
- 3 PRE OUT connectors**  
Used to connect a subwoofer with a built-in amplifier or an external power amplifier.
- 4 AC inlet (AC IN)**  
Used to connect the power cord.
- 5 Component video connectors (COMPONENT VIDEO)**  
Used to connect devices equipped with component video connectors.
- 6 HDMI connectors**  
Used to connect devices equipped with HDMI connectors.
- 7 Video connectors (VIDEO)**  
Used to connect devices equipped with video connectors.
- 8 REMOTE CONTROL connectors**  
Used to connect infrared receivers/transmitters in order to operate this unit and external devices from a different room.
- 9 7.1ch input surround connectors (7.1CH IN)**  
Used to connect to a device that has multi-channel audio output Connectors.
- 10 M-XPport connector**  
Used to connect to a wireless receiver (RX101, sold separately).
- 11 FLASHER IN jack**  
Used when using a control BOX or other such control devices to control this unit.

## Rear Panel (2 of 3)



### 12 Digital audio connectors (DIGITAL AUDIO)

Used to connect devices equipped with digital audio connectors.

### 13 SIGNAL GND jacks

Used to connect a turntable.

### 14 Network connector (NETWORK)

Used to connect this unit to the network.

### 15 RS-232C connector

The RS-232C serial port is provided to allow compatibility with an external home automation controller. Consult the owner's manual of the home automation controller for more information about serial control of this unit. The serial port allows two-way control and status via an external home automation controller.

### 16 DC OUT jacks

Used to connect devices equipped with the trigger function.

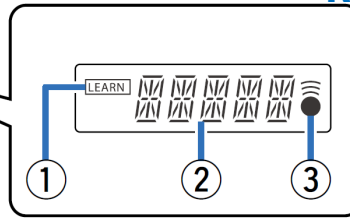
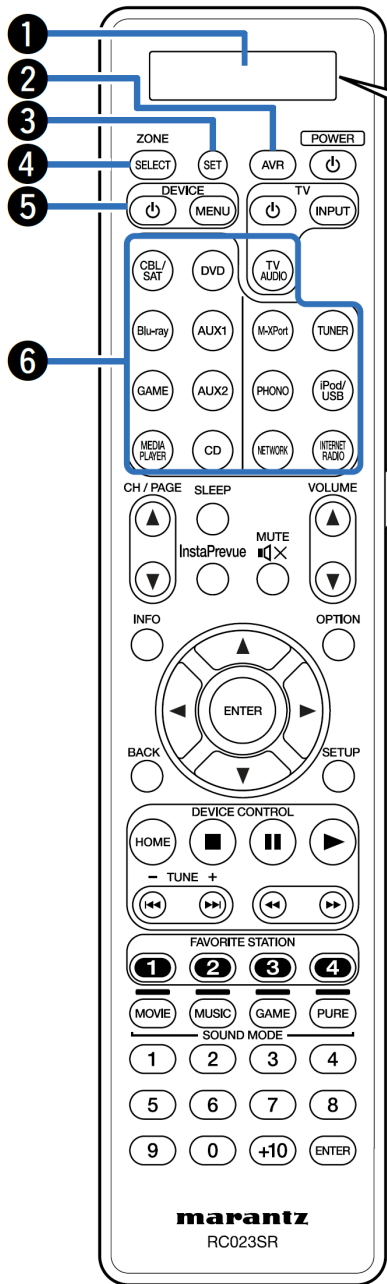
### 17 Analog audio connectors (AUDIO)

Used to connect devices equipped with analog audio connectors.

#### 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 4)



### 1 Display

#### 1. LEARN indicator

This is lit when setting the learning function for the remote control unit.

#### 2. Information display

- This displays “AVR” when operating this unit.

- This displays the input source name when operating an external device.

- This displays “TV” when operating TV.

#### 3. Indicator

This is lit when signals are sent from the remote control unit.

### 2 AVR operation button

When preset codes are registered to the remote control unit, press this button and then operate the menu on the unit.

### 3 SET button

This is used for various settings on the remote control unit.

- “Operating external devices with the remote control unit”.

- “Operating learning function”.

- “Setting the back light”.

- “Specifying the zone used with the remote control unit”.

### 4 ZONE SELECT button

These switch the zone (MAIN ZONE, ZONE2, ZONE3) that is operated through the remote control unit.

- “Playback in ZONE2/ZONE3”.

- “Menu operations”

### 5 Device operation buttons (DEVICE ON/OFF / DEVICE MENU)

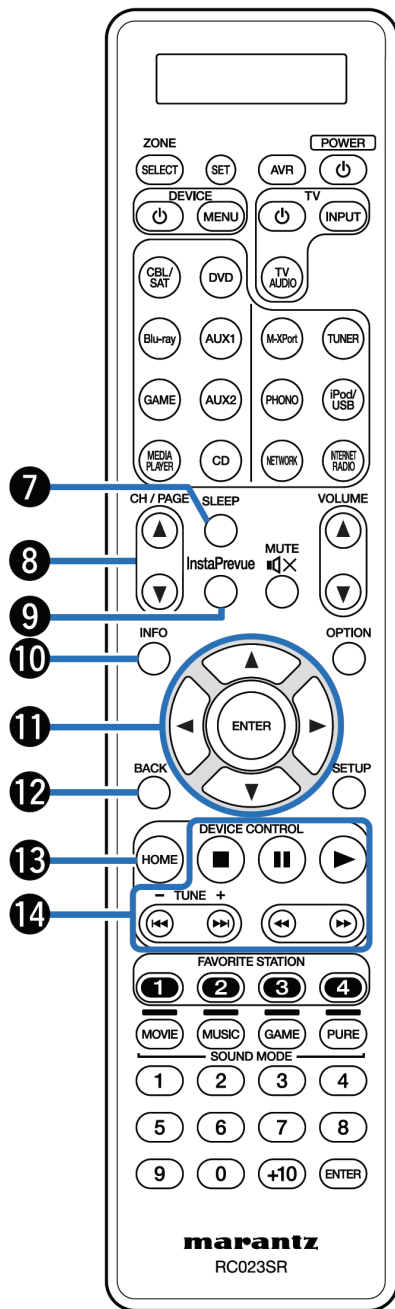
These turn the power of external devices on/off and call up menus.

Preset codes need to be registered in order to use these buttons.

### 6 Input source select buttons

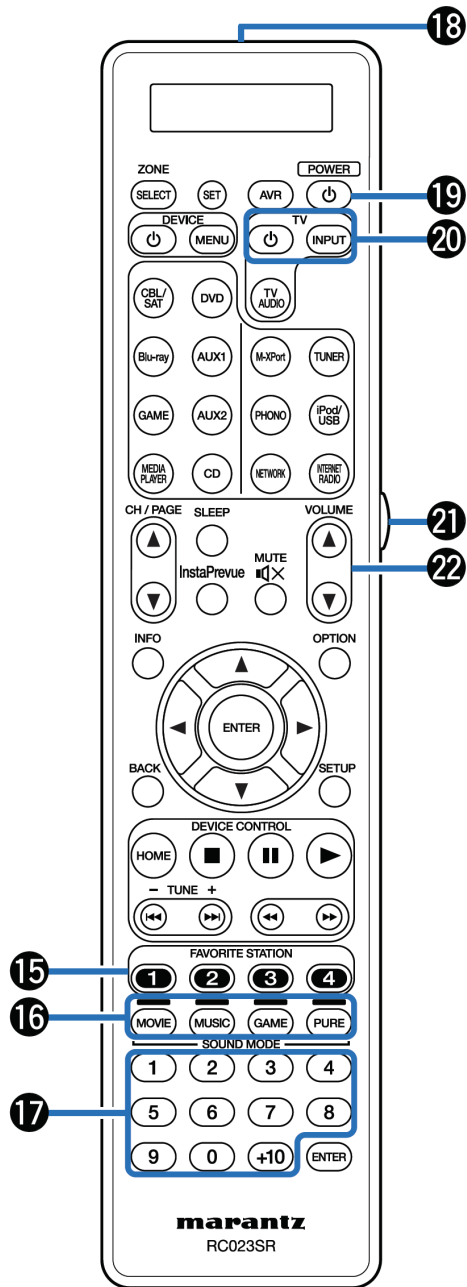
These select the input source.

## Remote Control (2 of 4)



- 7 **SLEEP button**  
This sets the sleep timer.
- 8 **Channel/page search buttons (CH/PAGE ▲▼)**  
These select radio stations registered to presets or switch pages.
- 9 **InstaPrevue button**  
This displays the InstaPrevue screen
- 10 **Information button (INFO)**  
This displays the status information on the TV screen.
- 11 **Cursor buttons (▲▼◀▶)**  
These select items.
- 12 **BACK button**  
This returns to the previous screen.
- 13 **HOME button**  
This takes you to the Home screen (Top screen) when the input source is Online Music or iPod/USB.
- 14 **System buttons**  
These perform playback related operations.
  - Skip buttons (◀◀ ▶▶)
  - Play button (▶)
  - Search buttons (◀◀ ▶▶)
  - Pause button (||)
  - Stop button (■)**Tuning up / Tuning down buttons (TUNE +, -)**  
These select either FM broadcast or AM broadcast.

## Remote Control (3 of 4)



### 15 FAVORITE STATION buttons (1 – 4)

With a single press of these, you can call up registered radio stations and contents

### 16 SOUND MODE buttons

These select the sound mode.

- MOVIE button
- MUSIC button
- GAME button
- PURE button

### 17 Number buttons

These enter numbers into the unit.

### 18 Remote control signal transmitter

This transmits signals from the remote control unit.

### 19 POWER button

This turns the power on/off.

### 20 TV operation buttons (TV X / TV MENU / TV INPUT)

These turn the TV power on/off, switch the TV input and call up menus. Preset codes need to be registered in order to use these buttons.”

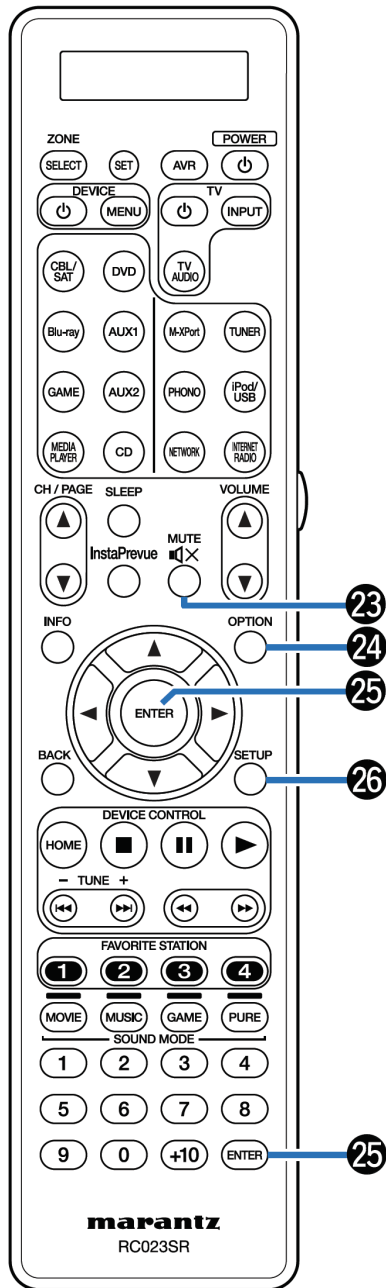
### 20 Light button

This turns on the backlight for approx. 2 seconds.

### 20 VOLUME buttons (▲▼)

These adjust the volume level

## Remote Control (4 of 4)



- 23 **MUTE button.**  
This mutes the output audio.
- 24 **OPTION button**  
This displays the option menu on the TV screen.
- 25 **ENTER button**  
This determines the selection.
- 26 **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](http://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

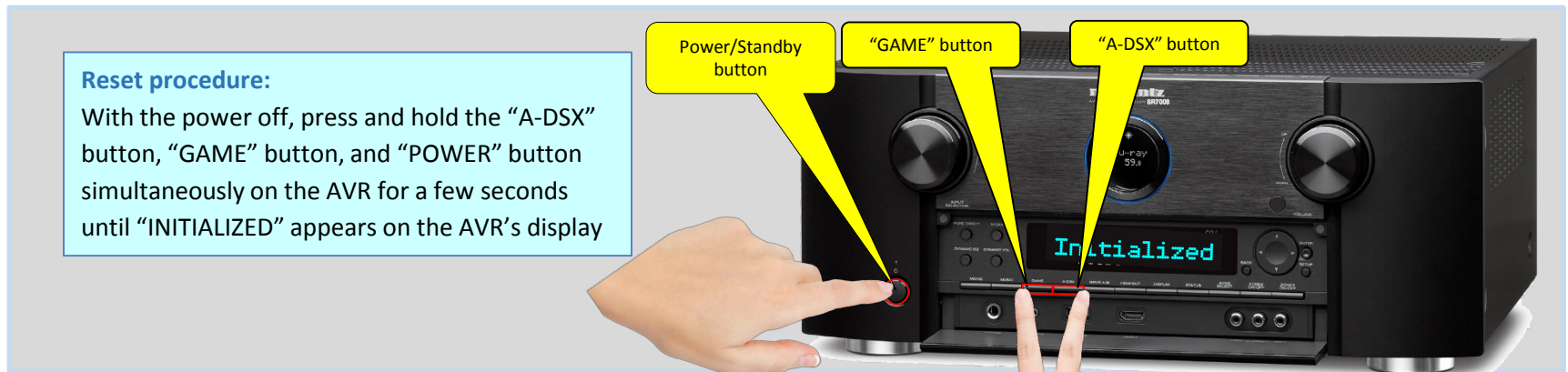
Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

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



## Reset

**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.



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

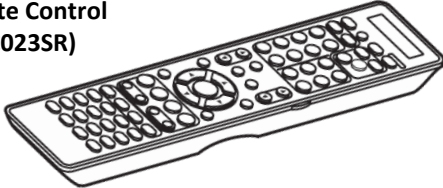
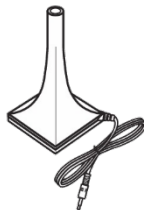
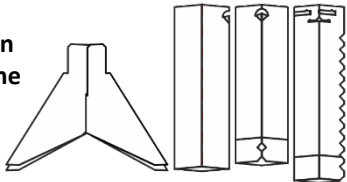


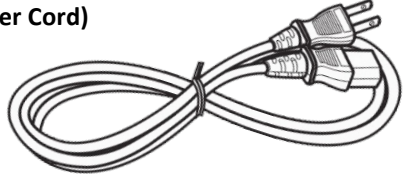
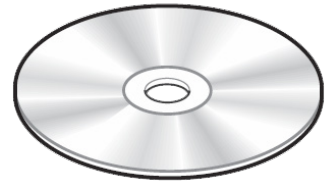
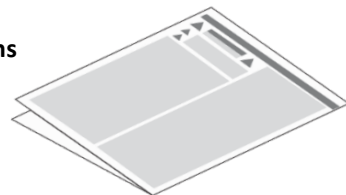
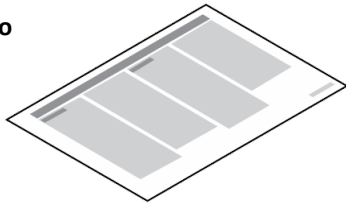
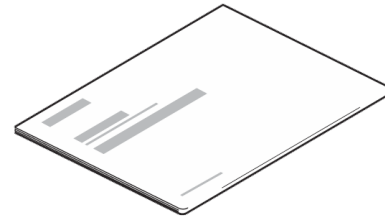
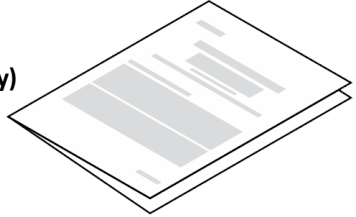
Before resetting the microprocessor;

- 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

<b>Remote Control (RC023SR)</b> 		<b>Sound Calibration Microphone (ACM1HB)</b> 		<b>Sound Calibration Microphone Stand</b> 	
30701013600AD	\$	32401000800AD	<b>\$31.99</b>	963549101000D	<b>\$14.99</b>
<b>AM Loop Antenna</b> 		<b>FM Indoor Antenna</b> 		<b>Power Cord)</b> 	
963116100070S	<b>\$8.99</b>	943116100170D	<b>\$5.44</b>	943611500750D	<b>\$10.99</b>
		<b>CD ROM Owner's Manual</b> 		<b>Safety Instructions</b> 	
<b>Notes on Radio</b> 		<b>Quick Start Guide</b> 		<b>Warranty (For North America Only)</b> 	

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 SR7008, 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 SR7008 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 **SR7008** 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	125 W + 125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)
			165 W + 165 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
		Center	125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)
			165 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
		Surround	125 W + 125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)
			165 W + 165 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
	Surround back / Front wide/Front Height	125 W + 125 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.05 % T.H.D.)	
		165 W + 165 W (6 Ω/ohms, 1 kHz with 0.7 % 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)
	Rated output		150 mV
	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
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: $\mu\text{V}$ at 75 Ω/ohms, 0 dBf = $1 \times 10^{-15}$ W		
Reception frequency range	87.50 MHz - 107.90 MHz		530 KHz - 1710 KHz
Effective sensitivity	1.5 $\mu\text{V}$ (14.8 dBf)		20 $\mu\text{V}$
S/N ratio (IHF-A)	Mono	78 dB	
	Stereo	68 dB	
	HD	85dB	85dB
Distortion (1 KHz)	Mono	0.1 %	
	Stereo	0.2 %	
	HD	0.02%	0.02%

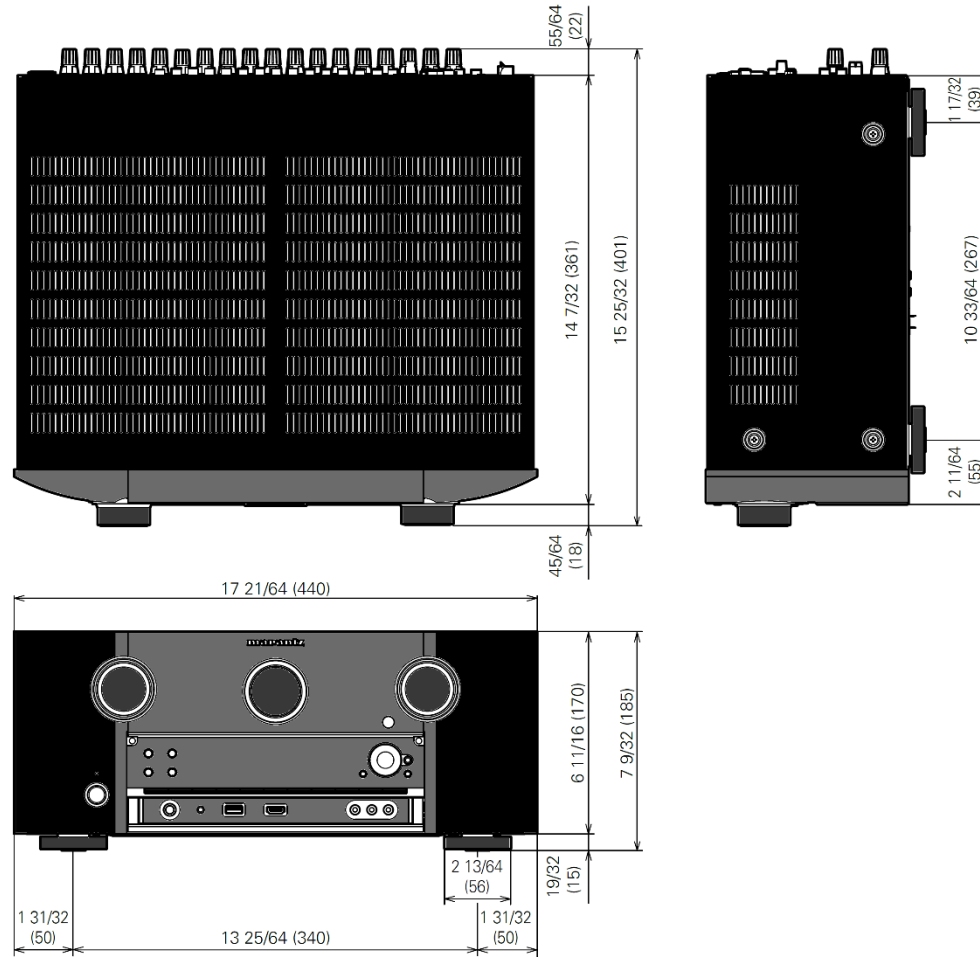
General section	
Power supply	AC 120V, 60Hz
Power consumption	710W
Power consumption in standby mode	0.2W
Power consumption in CEC standby mode	0.5W
Power consumption in network standby mode:	2.7 W

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



# Specifications – Dimensions, Weight

## Dimensions section (Unit : inch/mm)



Weight: 30 lbs (13 kg)

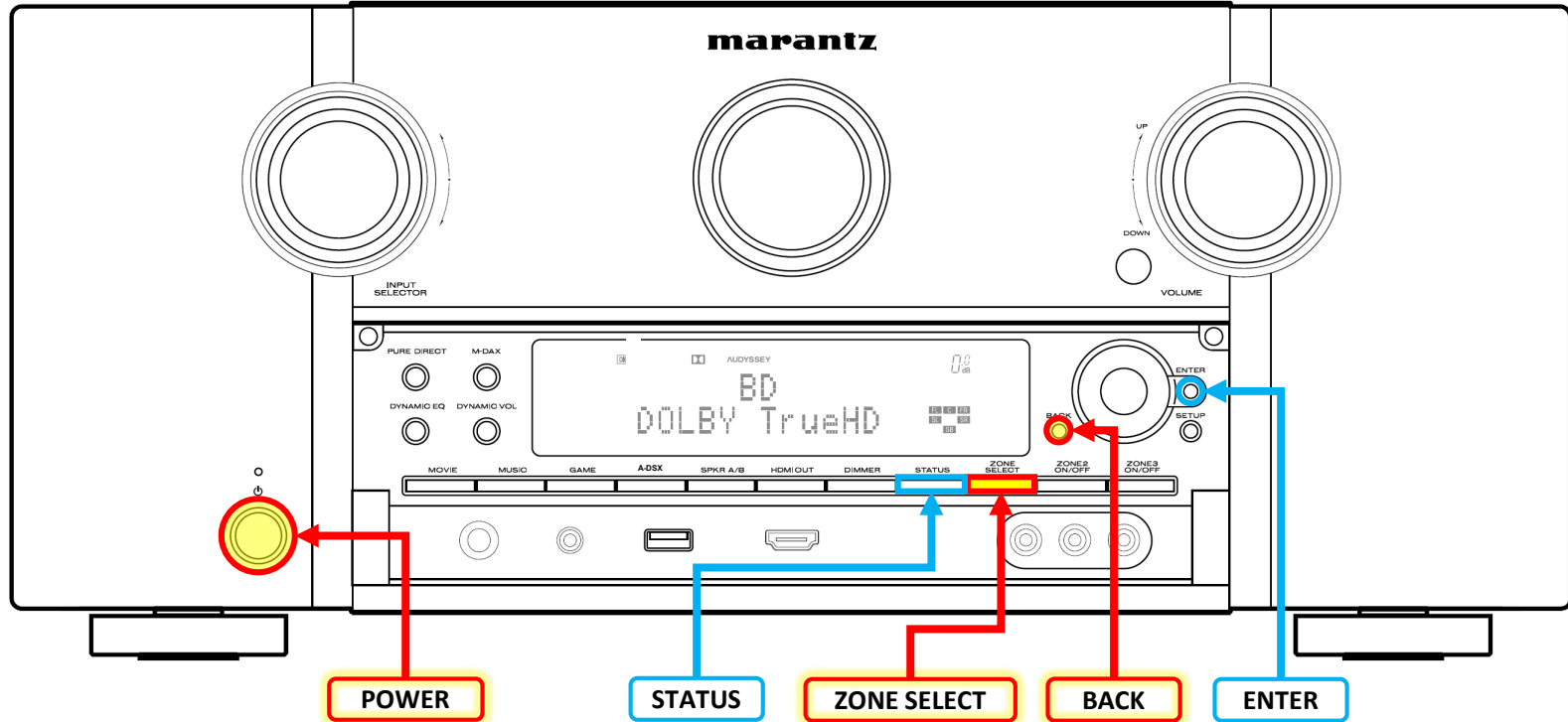
SPECIFICATIONS -  
AUDIO

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 "ZONE SELECT" and the "BACK" buttons at the same time and press the "POWER" button to turn on the power.
2. The unit enters the "Diagnostic" (Protection History Display, Operation Information or RS232C Reset) and "SERVICE CHECK" is first displayed.
3. Press the "CURSOR▼▲" button to switch modes and press the "ENTER" button when "Protection History Display Mode" is displayed.
4. Press the "STATUS" button to display Protection History.

<p>1. If no protections have occurred, "No Protect" is displayed</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 5%;">FLD</td> <td style="width: 5%;">L1</td> <td style="width: 5%;">P</td><td style="width: 5%;">R</td><td style="width: 5%;">O</td><td style="width: 5%;">T</td><td style="width: 5%;">E</td><td style="width: 5%;">C</td><td style="width: 5%;">T</td> <td style="width: 5%;">H</td><td style="width: 5%;">I</td><td style="width: 5%;">S</td><td style="width: 5%;">T</td><td style="width: 5%;">O</td><td style="width: 5%;">R</td><td style="width: 5%;">Y</td> </tr> <tr> <td></td> <td>L2</td> <td>:</td><td>N</td><td>O</td><td></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> </tr> </table>	FLD	L1	P	R	O	T	E	C	T	H	I	S	T	O	R	Y		L2	:	N	O		P	R	O	T	E	C	T			
FLD	L1	P	R	O	T	E	C	T	H	I	S	T	O	R	Y																		
	L2	:	N	O		P	R	O	T	E	C	T																					
<p>2. If last protection was ASO, "ASO" is displayed.</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 5%;">FLD</td> <td style="width: 5%;">L2</td> <td style="width: 5%;">:</td><td style="width: 5%;">A</td><td style="width: 5%;">S</td><td style="width: 5%;">O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> <p><b>Cause:</b> 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>	FLD	L2	:	A	S	O																										
FLD	L2	:	A	S	O																												
<p>3. If the last protection was DC, "DC" is displayed.</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 5%;">FLD</td> <td style="width: 5%;">L2</td> <td style="width: 5%;">:</td><td style="width: 5%;">D</td><td style="width: 5%;">C</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> <p><b>Cause:</b> DC output of the power amplifier is abnormal. If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.</p>	FLD	L2	:	D	C																											
FLD	L2	:	D	C																													
<p>4. If the last protection was THERMAL A, B, E or F, "THERMAL A, B, E or F" is displayed.</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 5%;">FLD</td> <td style="width: 5%;">L2</td> <td style="width: 5%;">:</td><td style="width: 5%;">T</td><td style="width: 5%;">H</td><td style="width: 5%;">E</td><td style="width: 5%;">R</td><td style="width: 5%;">M</td><td style="width: 5%;">A</td><td style="width: 5%;">L</td><td style="width: 5%;">#</td><td></td><td></td><td></td><td></td><td></td> </tr> </table> <p><b>Cause:</b> Abnormal heat sink temperature. If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.</p>	FLD	L2	:	T	H	E	R	M	A	L	#																					
FLD	L2	:	T	H	E	R	M	A	L	#																							
<p>5. When the last protection incident was CURRENT protection, "CURRENT" is displayed</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 5%;">FLD</td> <td style="width: 5%;">L2</td> <td style="width: 5%;">:</td><td style="width: 5%;">C</td><td style="width: 5%;">U</td><td style="width: 5%;">R</td><td style="width: 5%;">R</td><td style="width: 5%;">E</td><td style="width: 5%;">N</td><td style="width: 5%;">T</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> <p><b>Cause:</b> An over current flowed in power amp. If the power is turned on in the abnormal state, protection is activated after around 1 minutes and the power is turned off.</p>	FLD	L2	:	C	U	R	R	E	N	T																						
FLD	L2	:	C	U	R	R	E	N	T																								

FLD	Fluorescent Display
L1	Line 1
L2	Line 2

**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.

**Model Information Index**

## Clearing the Protection History

If the unit is in “Protection History Display Mode”, just press and hold the “ENTER” 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 “BACK” and “ZONE SELECT” at the same time and press the power button to turn on the power.

Select the “2. PROTECTION” using the button “CURSOR ▼”, and press the “ENTER” button.

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

Press and hold "ENTER" for 3 seconds.	<table border="1"> <tr> <td>FLD</td> <td>L1</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>H</td> <td>I</td> <td>S</td> <td>T</td> <td>O</td> <td>R</td> <td>Y</td> <td></td> </tr> <tr> <td></td> <td>L2</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> </tr> </table>	FLD	L1	P	R	O	T	E	C	T		H	I	S	T	O	R	Y			L2	:	D	C													
FLD	L1	P	R	O	T	E	C	T		H	I	S	T	O	R	Y																					
	L2	:	D	C																																	
Press and hold "ENTER" for 3 seconds and “CLEAR” is displayed followed by “NO PROTECT”. The unit’s Protection History is now cleared.	<table border="1"> <tr> <td>FLD</td> <td>L2</td> <td>:</td> <td></td> <td></td> <td></td> <td></td> <td>C</td> <td>L</td> <td>E</td> <td>A</td> <td>R</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FLD</td> <td>L2</td> <td>:</td> <td>N</td> <td>O</td> <td></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> </tr> </table>	FLD	L2	:					C	L	E	A	R							FLD	L2	:	N	O		P	R	O	T	E	C	T					
FLD	L2	:					C	L	E	A	R																										
FLD	L2	:	N	O		P	R	O	T	E	C	T																									

## 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)
- (c) CURRENT protection: Flashes in 4-second cycles (2 seconds lit, 2 seconds unlit)

**The End**

**NOTE:**

This edition is missing the link to the IR Codes.....12/05/2016

