**D+M GROUP**
PERFORMANCE IS EVERYTHING

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Model Information

INTEGRATED NETWORK AV RECEIVER

NOTE:
This edition is missing the FAQ's content (pages 15 and 16) …………………………………………………………………..7/1/2015
This edition is missing the link to the IR Codes………………………………………………………………….....7/1/2015
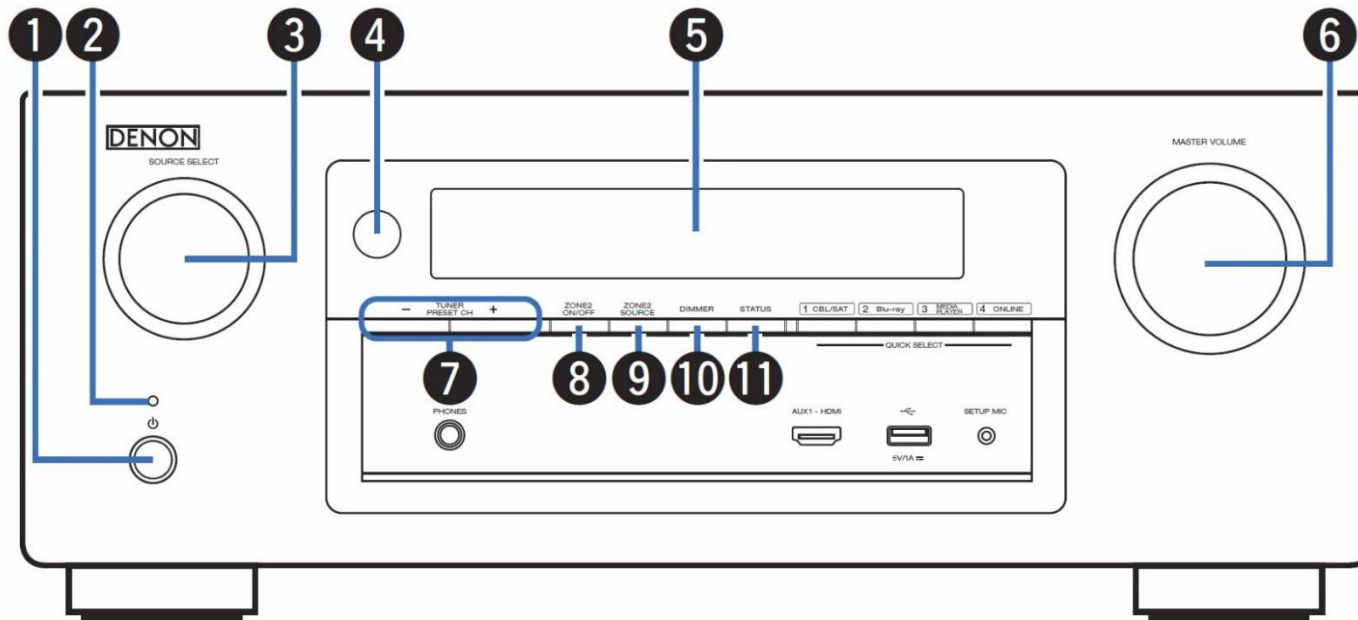
① **Power operation button ()**

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:
  ❑White: Power on
  ❑Off: Normal standby
  ❑Red:
  ○When "HDMI Control" is set to "On"
  ○When "HDMI Pass Through" is set to "On"
  ○When "Network Control" is set to "Always On"

③ **SOURCE SELECT knob**

This selects the input source.

④ **Remote control sensor**

This receives signals from the remote control unit.

⑤ **Display**

This displays various pieces of information.

⑥ **MASTER VOLUME knob**

This adjusts the volume level.

⑦ **Tuner preset channel buttons**

(TUNER PRESET CH +, −)
These select preset broadcast stations.

⑧ **ZONE2 ON/OFF button**

This turns the power of ZONE2 (separate room) on/off.

⑨ **ZONE2 SOURCE button**

This selects the input source for ZONE2.

⑩ **DIMMER button**

Each press of this switches the brightness of the display.
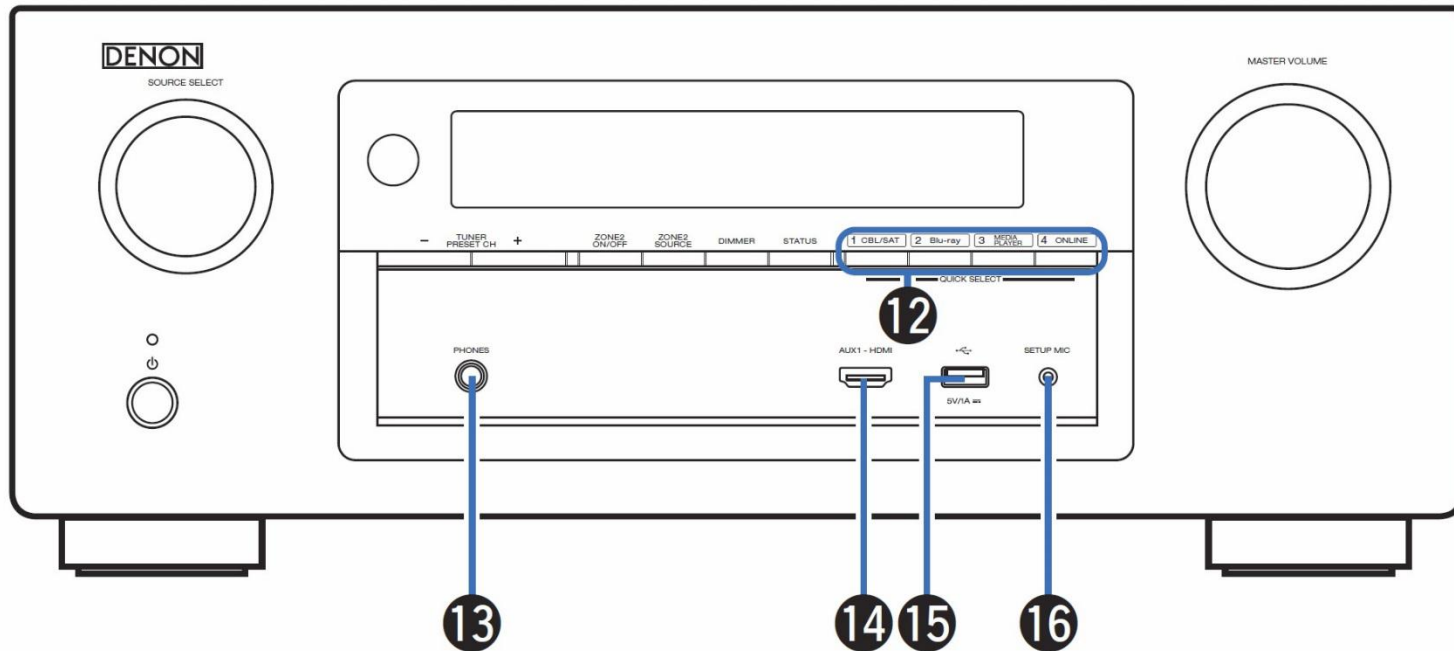
⑪ **STATUS button**

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

DISPLAY 1   HOME   FRONT PANEL 2

⑫ QUICK SELECT buttons

With a single press of any of these buttons, you can call up various settings you've registered to each button such as the input source, volume level and sound mode settings.

⑬ 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.

⑭ AUX1-HDMI connector

This is used to connect HDMI output compatible devices such as video camcorders and game consoles.
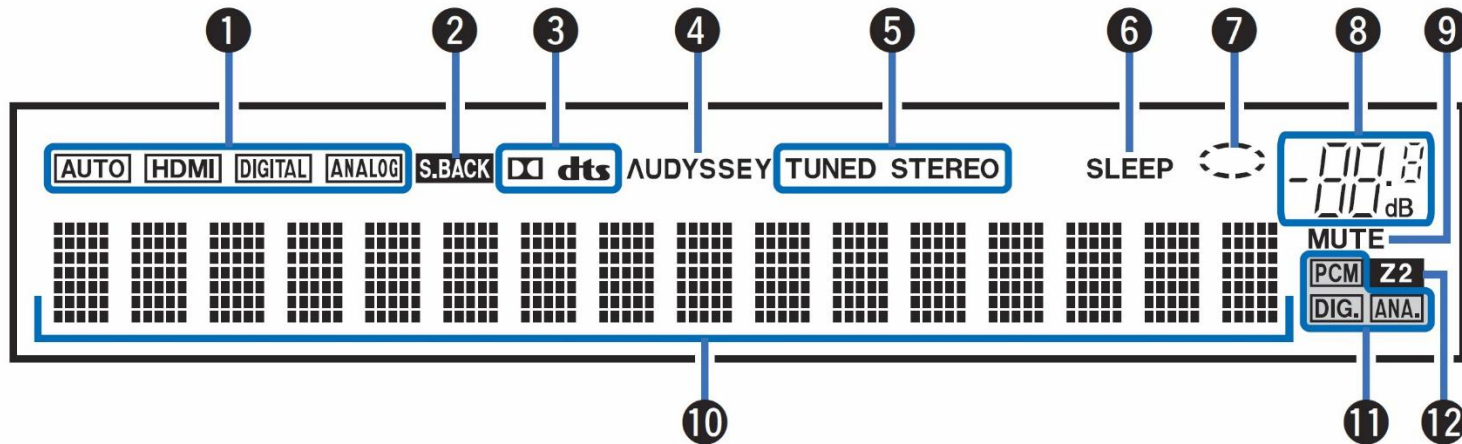
⑮ USB port

This is used to connect USB storages (such as USB memory devices) and the USB cable supplied with iPod.

⑯ SETUP MIC jack

This is used to connect the supplied Sound calibration microphone.

Display (1 of 2)

① Input mode indicators

These light according to the audio input mode settings of each input source.

② Surround back indicator

This lights when audio signals are being output from the surround back speakers.

③ Decoder indicators

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

④ Audyssey® indicator

This lights when "MultEQ® XT", "Dynamic EQ" or "Dynamic Volume" has been set up.

⑤ Tuner reception mode indicators

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

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

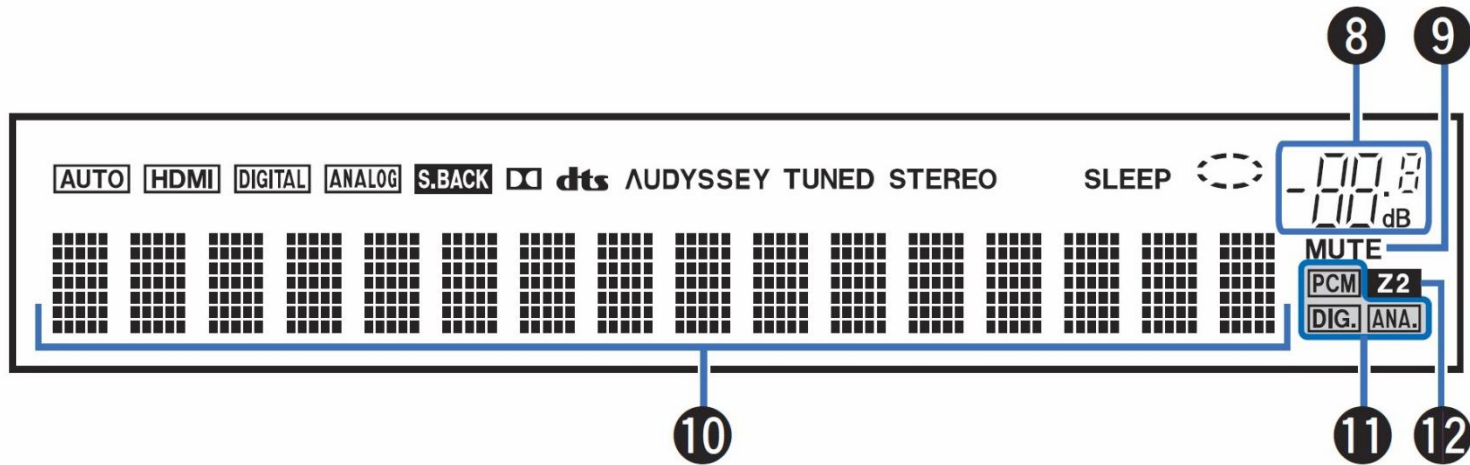**STEREO**: Lights up when receiving FM stereo broadcasts.

⑥ Sleep timer indicator

This lights when the sleep mode is selected.

⑦ Circle indicator

This is displayed when the input source is "Online Music" or "iPod/USB" when you are playing back music.

AUTO HDMI DIGITAL ANALOG S.BACK ◻️ dts ΛUDYSSEY TUNED STEREO   SLEEP

⑧

⑨

MUTE

PCM Z2

DIG. ANA.

⑩

⑪ ⑫

⑧ **Volume indicator**

⑨ **MUTE indicator**

This blinks while the sound is muted.

⑩ **Information display**

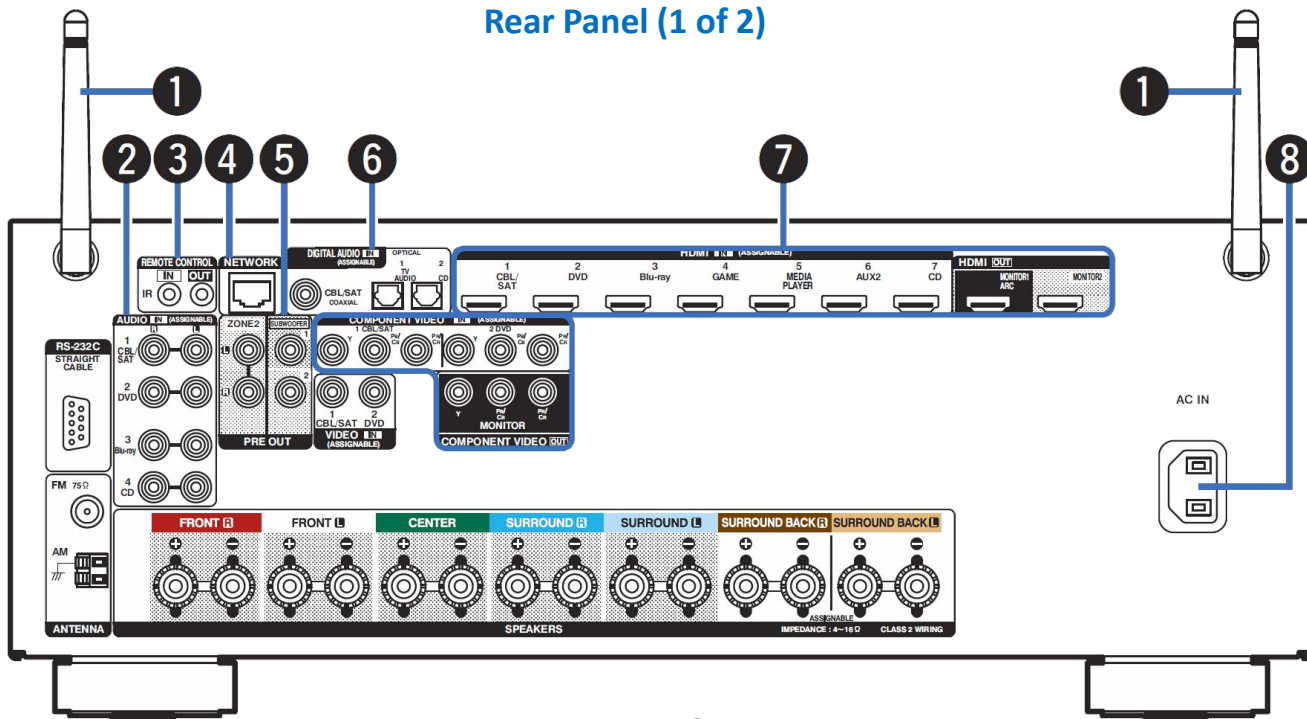The input source name, sound mode, setting values and other information are displayed here.

⑪ **Input signal indicators**

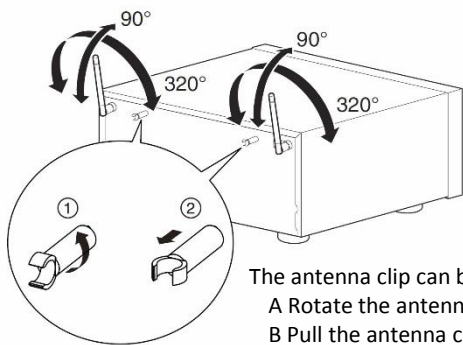The respective indicator will light corresponding to the input signal.

⑫ **ZONE2 indicator**

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

① **Rod antennas for Bluetooth/wireless LAN**

Stand this antenna upright when connecting to a network via wireless LAN, or when connecting to a handheld device via Bluetooth.

The antenna clip can be removed from the rear panel.
  A Rotate the antenna clip 90 degrees to the left.
  B Pull the antenna clip out towards yourself.
- The antenna clip is needed when transporting this unit. Keep it in a safe place.
- Attach the antenna clip by following the steps for removing it in reverse.

② **Analog audio connectors (AUDIO)**

Used to connect devices equipped with analog audio connectors.

③ **REMOTE CONTROL jacks**

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

④ **NETWORK connector**

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

⑤ **PRE OUT connectors**

Used to connect a subwoofer with built-in amplifier or power amplifier for ZONE2.

⑥ **Digital audio connectors (DIGITAL AUDIO)**

Used to connect devices equipped with digital audio connectors.

⑦ **HDMI connectors**

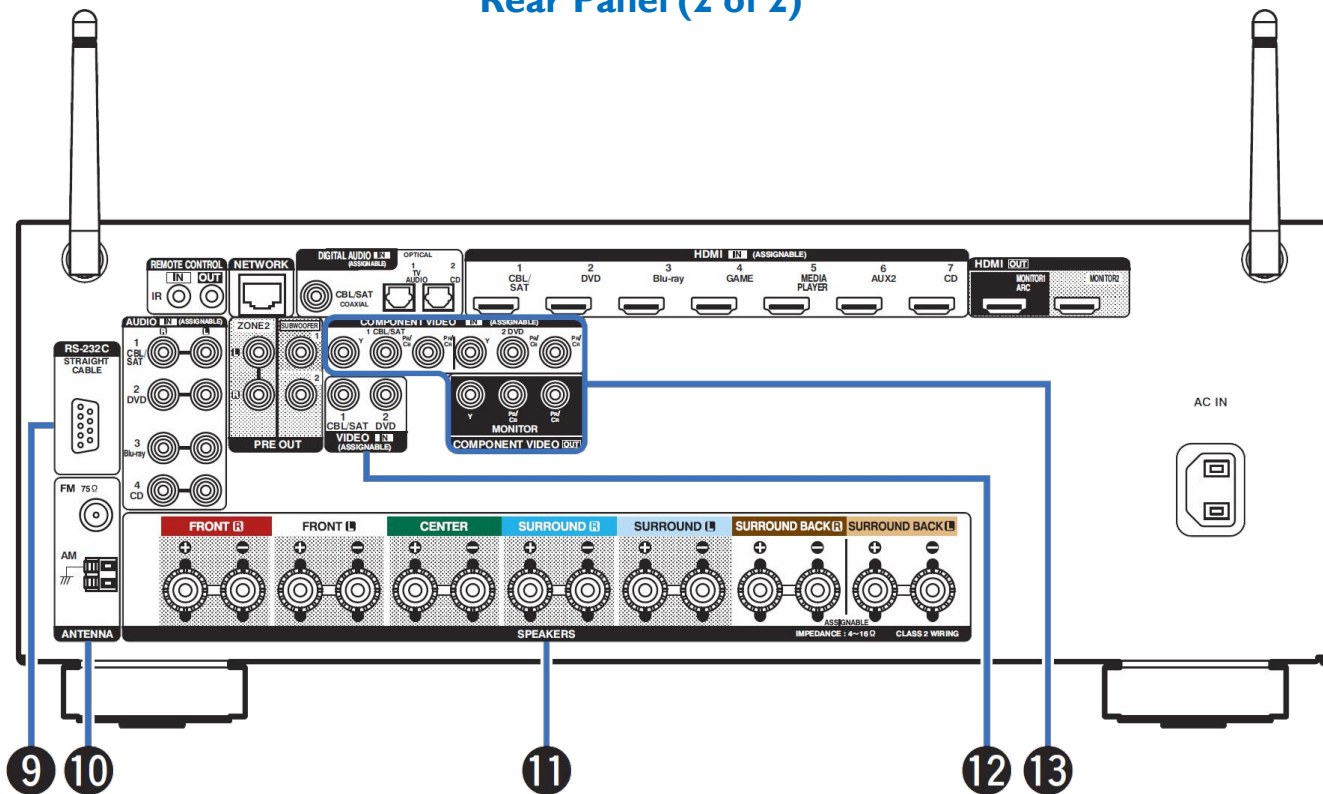Used to connect devices equipped with HDMI connectors.

⑧ **AC inlet (AC IN)**

Used to connect the power cord.

Rear Panel (2 of 2)

⑨ 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.

⑩ FM/AM antenna terminals (ANTENNA)

Used to connect FM antennas and AM loop antennas.

⑪ Speaker terminals (SPEAKERS)

Used to connect speakers.

⑫ Video connectors (VIDEO)

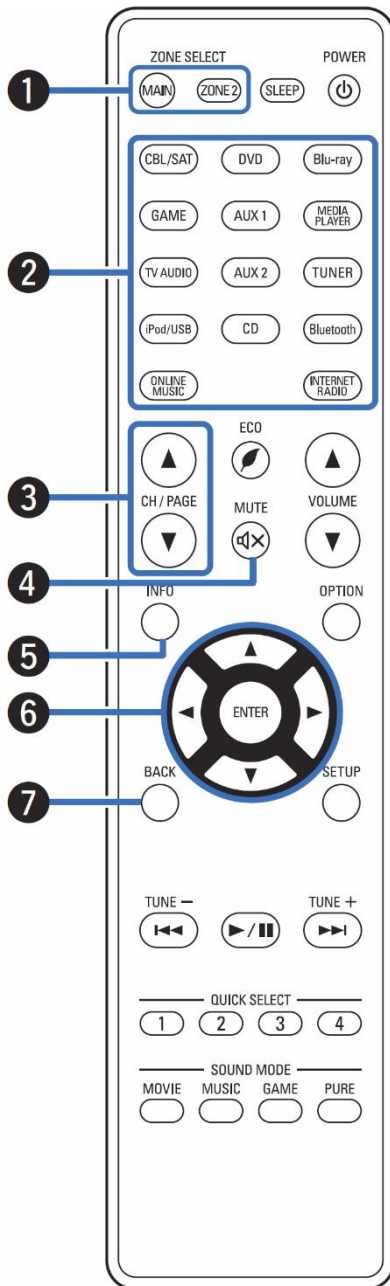Used to connect devices equipped with video connectors.

⑬ Component video connectors (COMPONENT VIDEO)

Used to connect devices equipped with component video connectors.

NOTE

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

REAR PANEL 1   HOME   REMOTE CONTROL 1

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)**

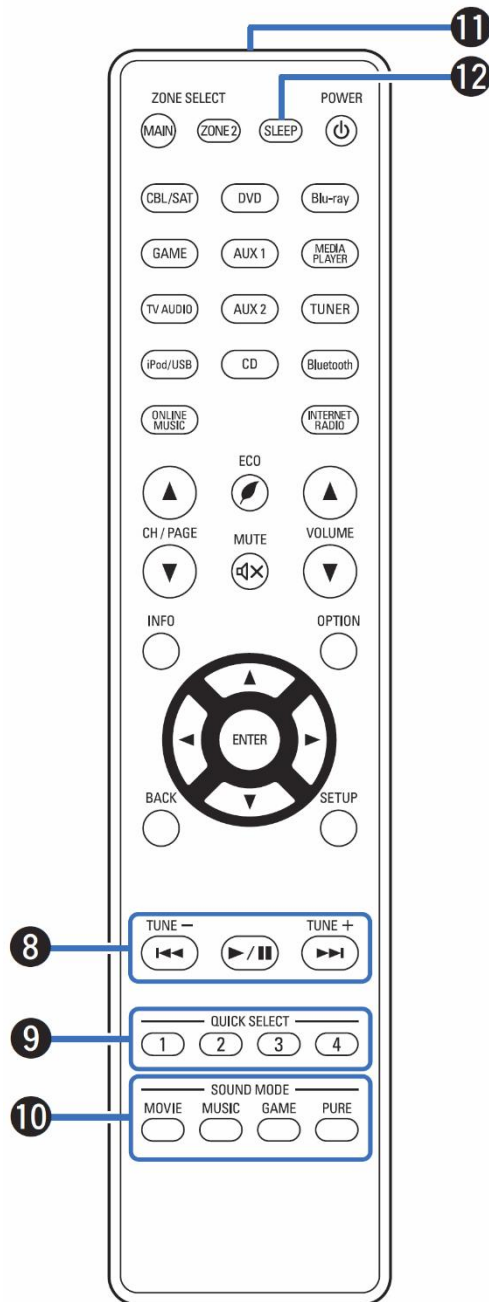This displays the status information on the TV screen.

⑥ **Cursor buttons (▲▼◀▶)**

These select items.

❼ **BACK button**

This returns to the previous screen.

REAR PANEL 2

HOME

REMOTE CONTROL 2

⑧ **System buttons**

These perform playback related operations.

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

These select either FM broadcast or AM broadcast.

⑨ **QUICK SELECT buttons (1 – 4)**

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.
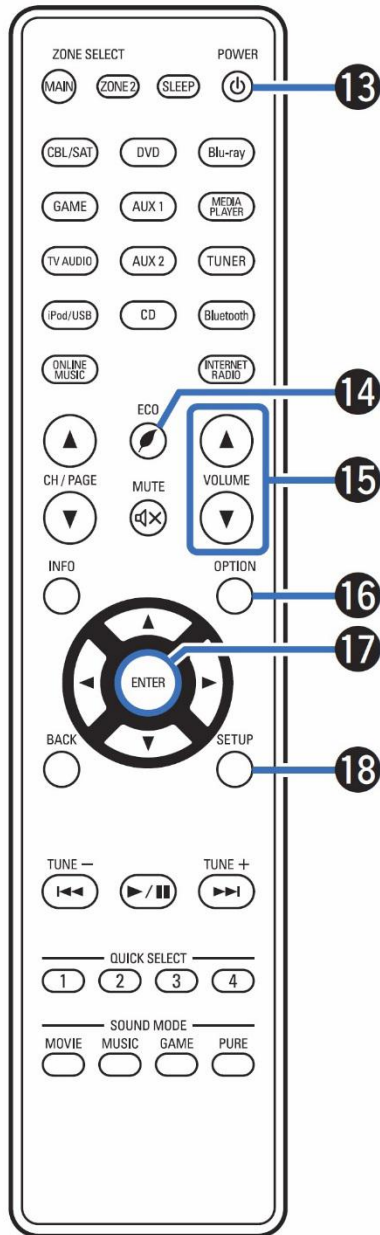
⑫ **SLEEP button**

This sets the sleep timer.

REMOTE CONTROL 1   **HOME**   **REMOTE CONTROL 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 adjusts 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.

REMOTE CONTROL 2   HOME   WARRANTY 1

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

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

3 years for units purchased new

1 year for refurbished (B-Stock) units

DENON ELECTRONICS (USA), LLC
(a D&M Holdings Company)
100 Corporate Drive
Mahwah, NJ 07430-2041
(201) 762-6665
www.usa.denon.com

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

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

What is Covered

Except as specified below, this Warranty covers all defects in material and workmanship in this product occurring during the above warranty periods. The following are not covered by the Warranty: (1) Any product which is not distributed in the U.S.A. by DENON ELECTRONICS (USA), LLC. (2) Any product which is not purchased in the U.S.A. from an authorized DENON dealer. (Note: AUTHORIZED DENON DEALERS can be identified by DENON AUTHORIZED DEALER sticker displayed in the stores. If you are uncertain as to whether a dealer is a DENON AUTHORIZED DEALER, please contact DENON as listed below). (3) Any product on which the serial number has been defaced, modified or removed. (4) Damaged deterioration or malfunction resulting from: a) Accident, act of nature, abuse, misuse, neglect, unauthorized product repair, opening of or modification or failure to follow instructions supplied with the product. b) Repair or attempted repair by anyone not authorized by DENON. c) Any shipment of the product (claim must be presented to carrier). (5) Items subject to wear from normal usage (tape heads, cartridges, stylus, battery, etc.). (6) Periodic check-ups which do not disclose any defect. (7) Use of the product outside the U.S.A. (8) Damaged magnetic tape or CD/DVD/BD discs. (9) Use in industrial, commercial, and/or professional applications. (10) Any installation or removal charges resulting from product failure.

What We Will Pay For

If during the applicable warranty period from the date of original consumer purchase your DENON product is found to be defective by DENON, DENON will repair, or at its option, replace with new, reconditioned or equivalent model, such defective product without charge for parts or labor.

How to Obtain Warranty Performance

If your unit ever needs service, it may be taken or shipped to any authorized DENON service station or DENON ELECTRONICS (if you are uncertain as to whether a service station is DENON authorized, please visit our website at http://usa.denon.com/us/Support/Pages/ServiceCenterSearch.aspx or contact DENON as listed below.) In all other cases, the following procedures apply whenever your unit must be transported for warranty service;

  You are responsible for transporting your unit or arranging for its transportation.

  If shipment of your unit is required;

You must pay the initial shipping charges, but we will pay the return shipping charges if the repairs are covered by the Warranty.

  WHEN RETURNING YOUR UNIT FOR WARRANTY SERVICE, A COPY OF THE ORIGINAL SALES SLIP MUST BE ATTACHED.

  You should include the following: your name, address, daytime telephone number, model and serial number of the product and a description of the problem. In the case of a CD/DVD/BD Player, please enclose ONE (1) disc that the unit has failed with for test reasons. It will be returned with the unit.

THIS WARRANTY IS VALID IN THE U.S.A. ONLY.

If your product does not require service, but you have questions regarding its operation, please contact our Customer Support Department as listed below.

THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

OUR LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL COMMERCIAL OR PROPERTY DAMAGES OF ANY KIND. WE ARE NOT RESPONSIBLE FOR PRODUCTS LOST, STOLEN AND/OR DAMAGED DURING SHIPPING.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, but you may also have other rights which vary from state to state. This Warranty may not be altered other than in a writing signed by an officer of Denon Electronics USA, LLC.

WARRANTY 1   HOME   RESET

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.

Power/Standby button

Reset procedure:

With the power off, press and hold the "TUNER PRESET CH +" button, the "TUNER PRESET CH -" button, and the "POWER" button simultaneously on the AVR for a few seconds until "INITIALIZED" appears on the AVR's display

Initialized

TUNER PRESET CH +" button
TUNER PRESET CH -" button

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
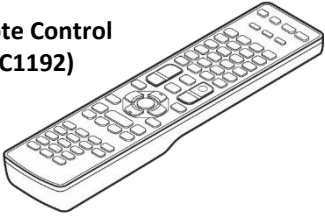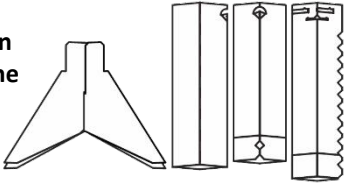- Current surge through an input
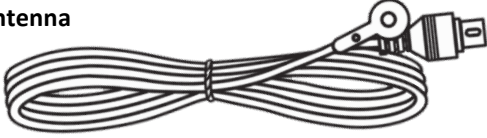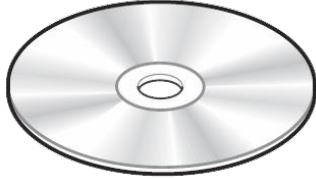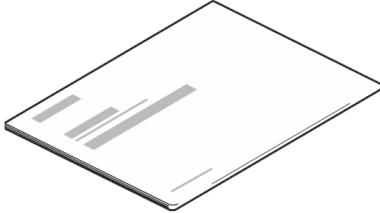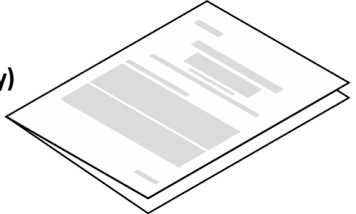
Before resetting the microprocessor;

- 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.

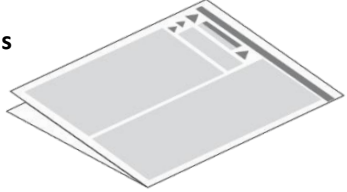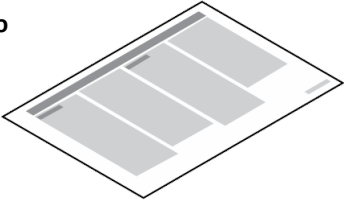Note: The Web (Browser) Control feature can be used to back up your settings by saving a configuration file on your hard drive. For this feature, we recommend using one of the following web browsers: Internet Explorer 10 and above, Mozilla Firefox 24 and above, Google Chrome 29 and above, and Safari 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 (RC1192)		Sound Calibration Microphone (ACM1HB)		Sound Calibration Microphone Stand	
30701016900AD	**$53.99**	32401000800AD	**$31.99**	963549101000D	**$16.82**
AM Loop Antenna		FM Indoor Antenna			
963116100560S	**$4.99**	963116100550S	**$5.87**		
		CD ROM Owner's Manual		Safety Instructions	
Notes on Radio		Quick Start Guide		Warranty (For North America Only)	

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ACCESSORIES

HOME

FAQ's 2

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Upgrades/Updates

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 disable 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 Denon 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 download the latest version of firmware for AVR-X2100W, click on the following Upgrade page:
www.usa.denon.com/US/Downloads/Pages/Product-Updates.aspx

To display the AVR's current firmware version on the TV screen:
Press "SETUP" and select "GENERAL" and then select "INFORMATION" followed by "FIRMWARE".

To check to see if an update or upgrade is available for your unit and also to see a list of "Recent Updates/Upgrades", click on the following link:
http://usa.denon.com/us/downloads/productupdates?_ga=1.114028992.611911196.1430951505

Specifications – Audio Section

Audio section			
Power amplifier	Rated output	Front	95 W + 95 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W + 125 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
		Center	95 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
		Surround	95 W + 95 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W + 125 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
		Surround back	95 W + 95 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W + 125 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
	Output connector		4 – 16 Ω/ohms
Analog	Input sensitivity/Input impedance		200 mV/47 kΩ/kohms
	Frequency response		10 Hz – 100 kHz — +1, –3 dB (Direct mode)
	S/N		100 dB (IHF–A weighted, Direct mode)

Specifications - Video section, Tuner Section, Wireless LAN Section

Video section			
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 - 60 MHz — 0, -3dB	

Tuner section			
	FM		AM
	Note: µV at 75 Ω/ohms, 0 dBf = 1×10^{-15} W		
Reception frequency range	87.5 MHz - 107.9 MHz		520 KHz -1710 KHz
Effective sensitivity	1.2 µV (12.8 dBf)		18µV
50 dB sensitivity	MONO — 2.8 µV (20.2 dBf)		
S/N ratio	MONO	70 dB (IHF–A weighted, Direct mode)	
	STEREO	67 dB (IHF–A weighted, Direct mode)	
Distortion	Mono	0.7 %	
	Stereo	1.0 %	

Wireless LAN section	
Network type (wireless LAN standard)	Conforming to Wi-Fi® *1
Security	WEP 64 bit, WEP 128 bit WPA/WPA2-PSK (AES) WPA/WPA2-PSK (TKIP)
Radio frequency	2.4 GHz
Number of channels	1 - 11ch
*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. 32.8 ft/10 m in line of sight *2
Frequency band	2.4 GHz band
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.
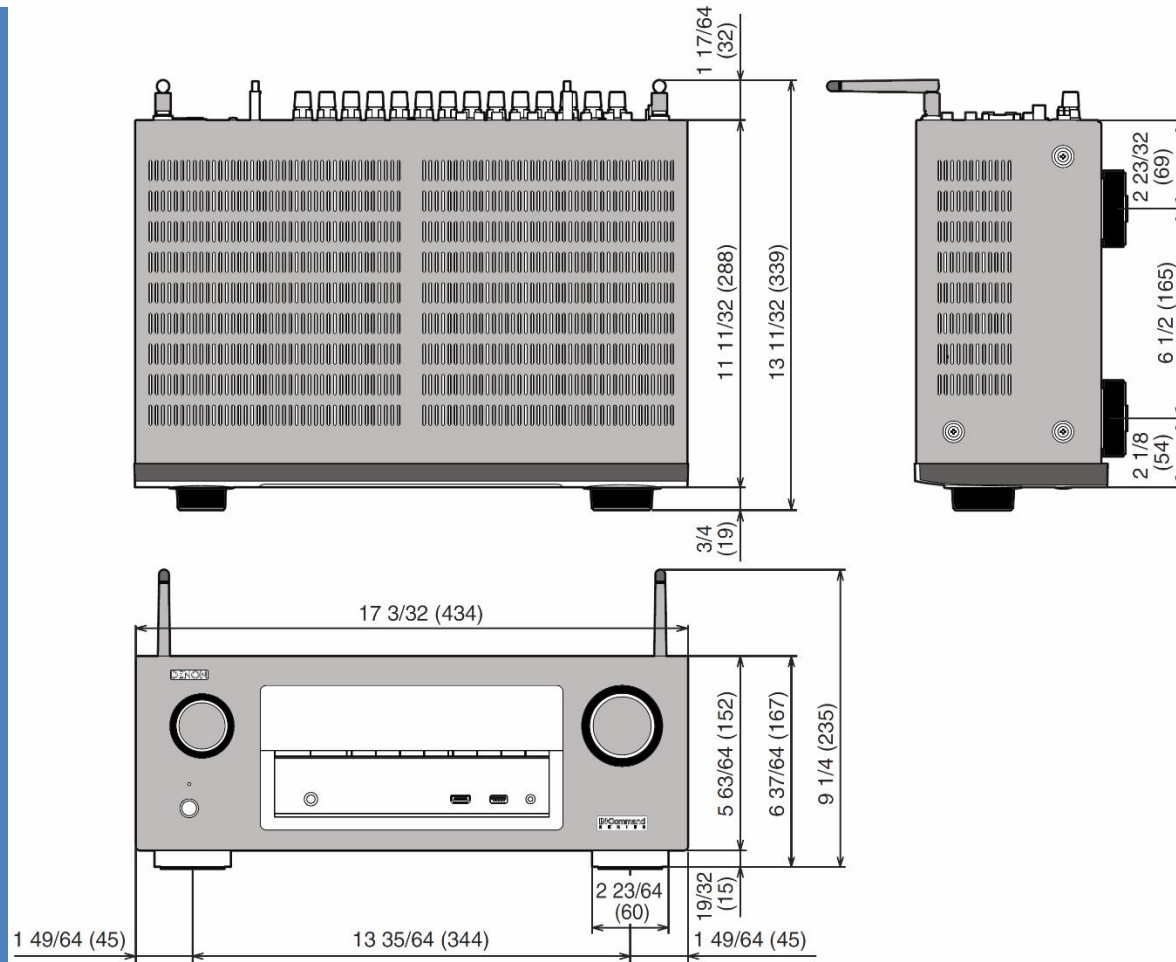
General section	
Power supply	AC 120V, 60Hz
Power consumption	500W
Power consumption in standby mode	0.1W
Power consumption in CEC standby mode	0.5W
Power consumption in network standby mode	2.7W

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

Specifications – Dimensions, Weight

Dimensions section (Unit : inch/mm)

1 17/64 (32)

11 11/32 (288)

13 11/32 (339)

2 23/32 (69)

6 1/2 (165)

2 1/8 (54)

3/4 (19)

17 3/32 (434)

5 63/64 (152)

6 37/64 (167)

9 1/4 (235)

2 23/64 (60)

19/32 (15)

1 49/64 (45)

13 35/64 (344)

1 49/64 (45)

Weight: 21 lbs 6 oz (9.7 kg)

The End

NOTE:
This edition is missing the FAQ's content (pages 15 and 16) …………………………………………………………………………..7/1/2015
This edition is missing the link to the IR Codes………………………………………………………………………………....7/1/2015

HOME