

Model Information

INTEGRATED NETWORK AV RECEIVER

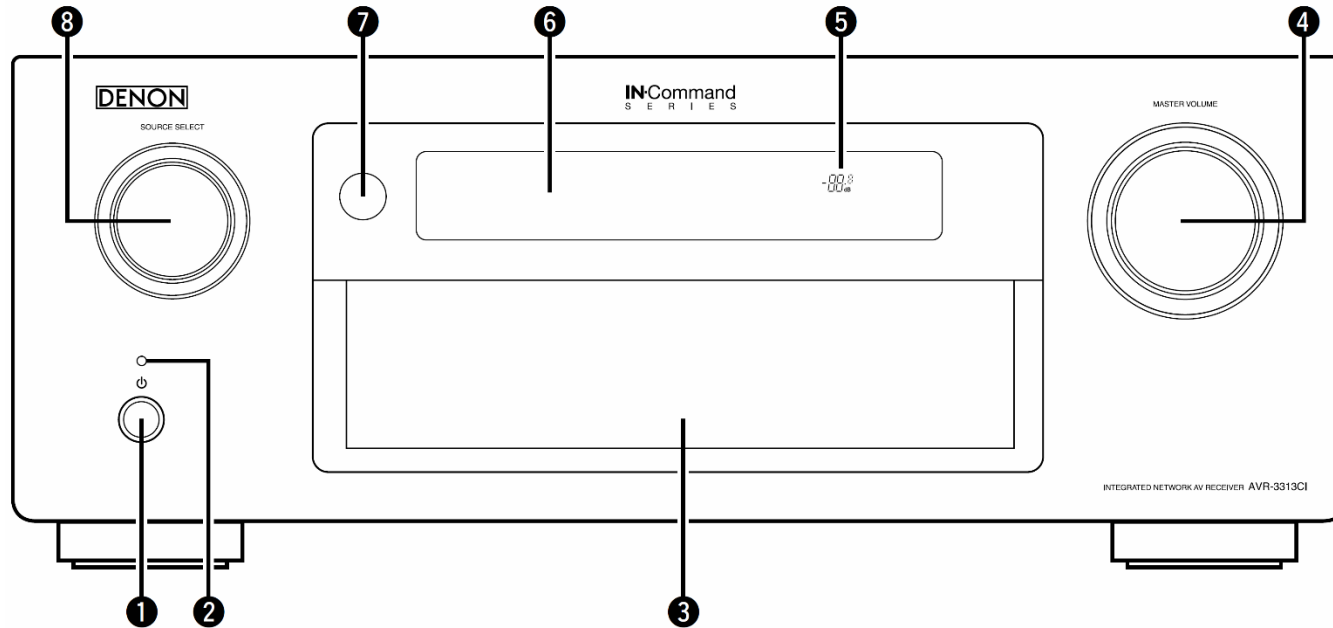
- Model Information Index
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- I/R Codes



NOTE:

This edition is missing the FAQ's content (pages 15 and 16)7/30/2015
This edition is missing the link to the IR Codes.....7/30/2015

Front Panel



① Power operation button (⏻)

Turns power to this unit on and off (standby).

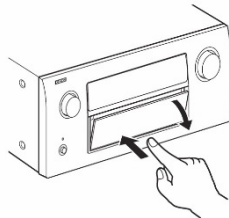
② Power indicator

(Power indicator status)

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

③ 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.



④ MASTER VOLUME knob

This adjusts the volume level.

⑤ Master volume indicator

⑥ Display

This displays various pieces of information.

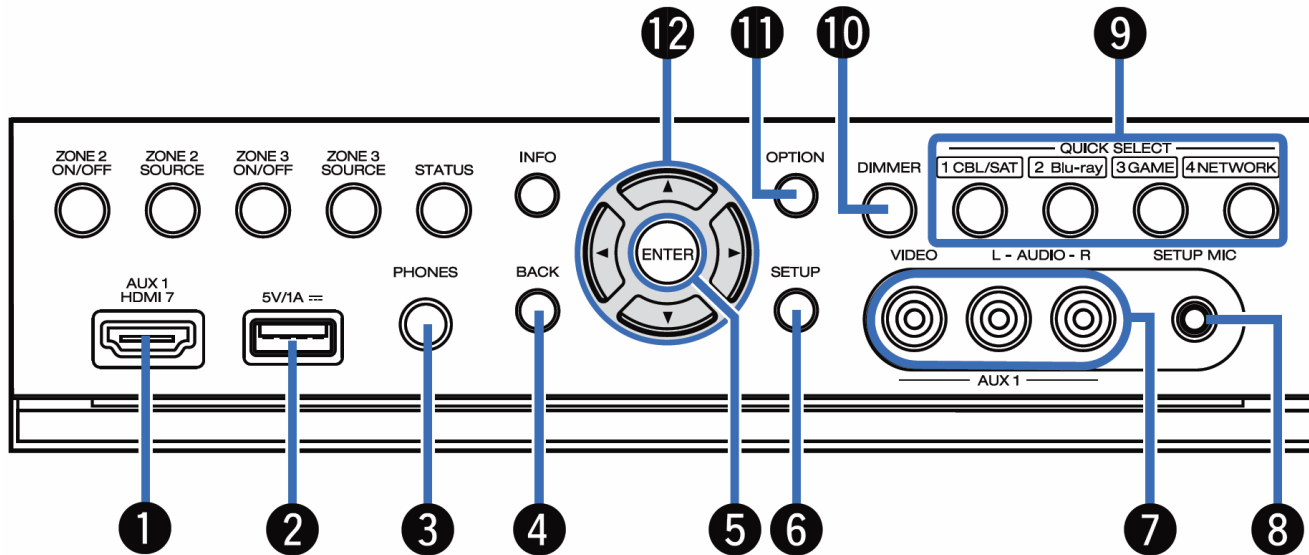
⑦ Remote control sensor

This receives signals from the remote control unit.

⑧ SOURCE SELECT knob

This selects the input source.

Buttons and Connectors Behind the Compartment Door (1 of 2)



① AUX1 HDMI 7 connector

Used to connect HDMI output compatible devices such as video cameras and game consoles.

② Ipod/USB port

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

③ Headphones jack (PHONES)

When the headphones are plugged into this jack, audio will no longer be output from the connected speakers or from the PRE-OUT connector.

NOTE: To prevent hearing loss, do not raise the volume level excessively when using headphones.

④ BACK button

This returns to the previous screen.

⑤ ENTER button

This determines the selection.

⑥ SETUP button

This displays the menu on the TV screen.

⑦ AUX1 INPUT connector

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

⑧ SETUP MIC jack

Used to connect the supplied Setup and measurement microphone.

⑨ 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.

⑩ DIMMER button

Each press of this switches the brightness of the display.

⑪ OPTION button

This displays the option menu on the TV screen.

⑫ Cursor buttons (▲▼◀▶)

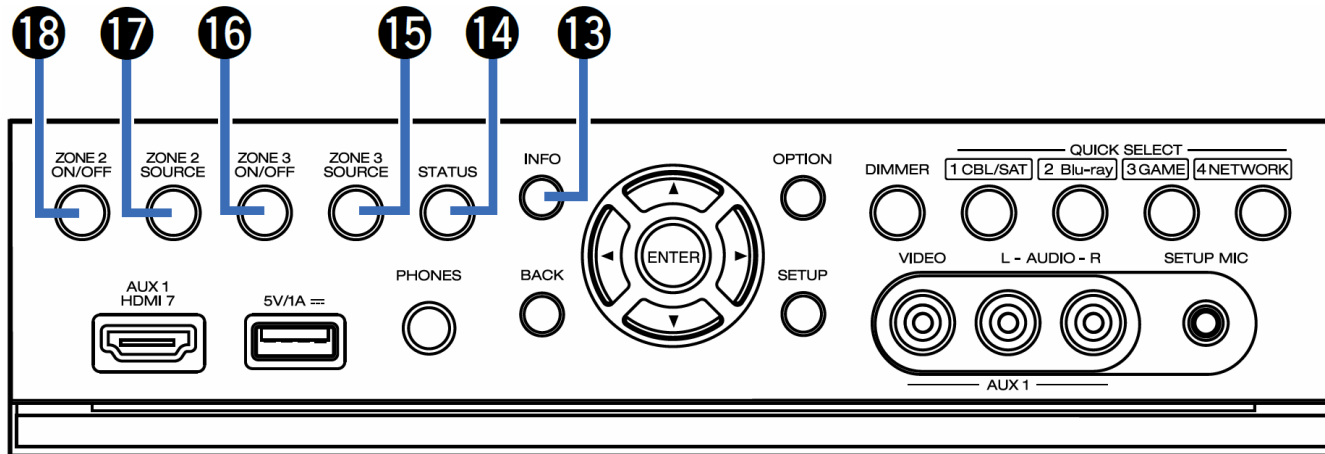
These select items

FRONT PANEL

HOME

Buttons and Connectors Behind the
Compartment Door (2 of 2)

Buttons and Connectors Behind the Compartment Door (2 of 2)



⑬ Information button (INFO)

This displays the status information on the TV screen.

⑭ STATUS button

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

⑮ ZONE3 SOURCE button

This selects the input source for ZONE3.

⑯ ZONE3 ON/OFF button

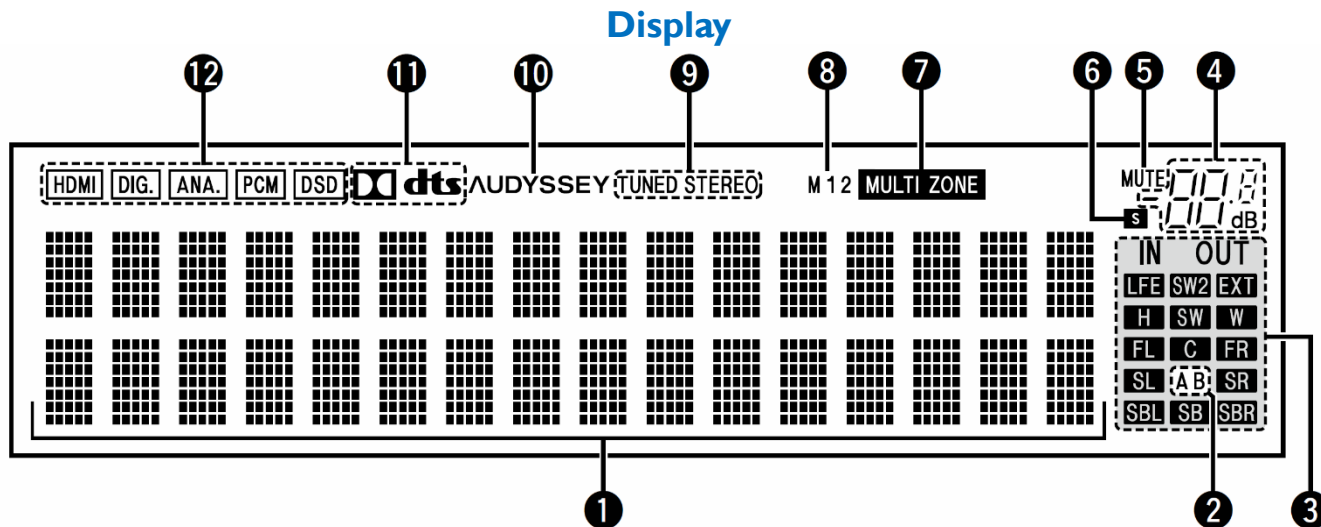
This turns the power of ZONE3 on/off.

⑰ ZONE2 SOURCE button

This selects the input source for ZONE2.

⑱ ZONE2 ON/OFF button

This turns the power of ZONE2 on/off.



① **Information display**

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

② **Front speaker indicator**

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

③ **Output signal channel indicators**

Lights when audio signals are being output from the speakers.

④ **Master volume indicator**

⑤ **MUTE indicator**

This lights when the mute mode is selected.

⑥ **Sleep timer indicator**

This lights when the sleep mode is selected.

⑦ **MULTI ZONE indicators**

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

⑧ **Monitor output indicator**

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

⑨ **Tuner reception mode indicators**

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

STEREO : In FM mode, this lights up when receiving analog stereo broadcasts.

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

⑩ **Audyssey® indicator**

This indicator lights when the “MultEQ® XT”, “Dynamic EQ”, or “Dynamic Volume” setting is set to “On”.

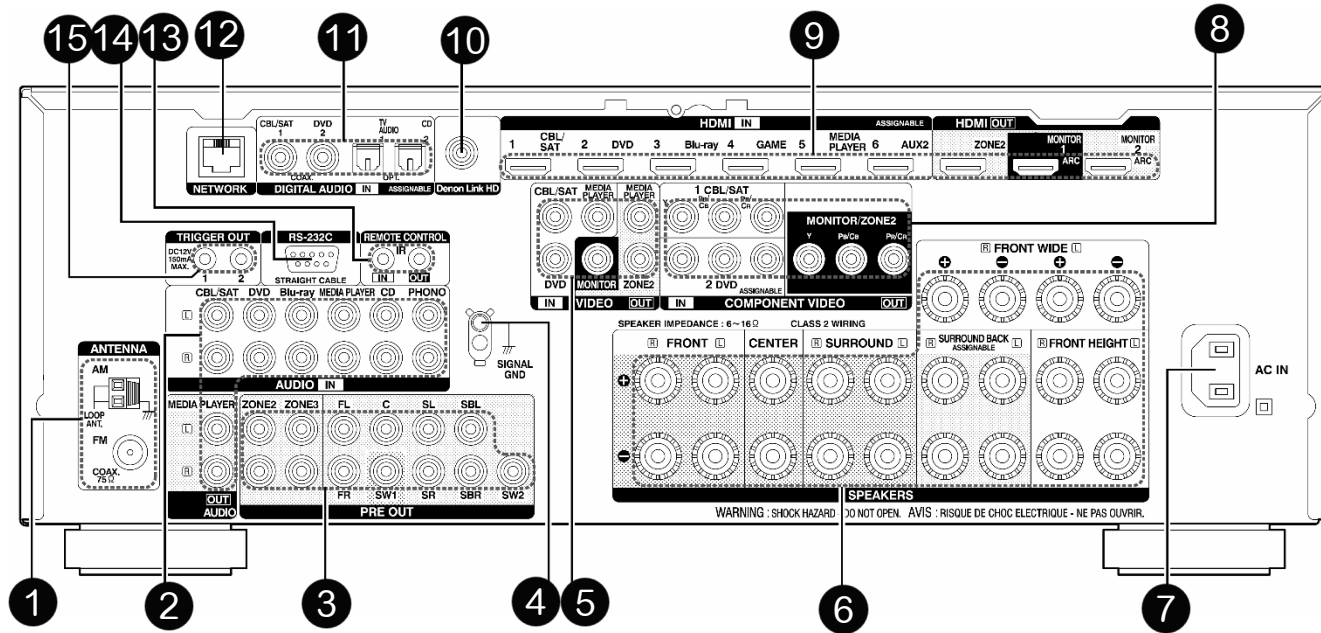
⑪ **Decoder indicator**

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

⑫ **Input mode indicators**

Set the audio input modes for the different input sources

Rear Panel



① FM/AM antenna terminals (ANTENNA)

② Analog audio connectors (AUDIO)

③ PRE OUT connectors

④ SIGNAL GND terminal

⑤ Video connectors (VIDEO)

⑥ Speaker terminals (SPEAKERS)

⑦ AC inlet (AC IN)

⑧ Component video connectors (COMPONENT VIDEO)

⑨ HDMI connectors

⑩ Denon Link HD connector

⑪ Digital audio connectors (DIGITAL AUDIO)

⑫ Network connector (NETWORK)

⑬ REMOTE CONTROL jacks

⑭ RS-232C connector

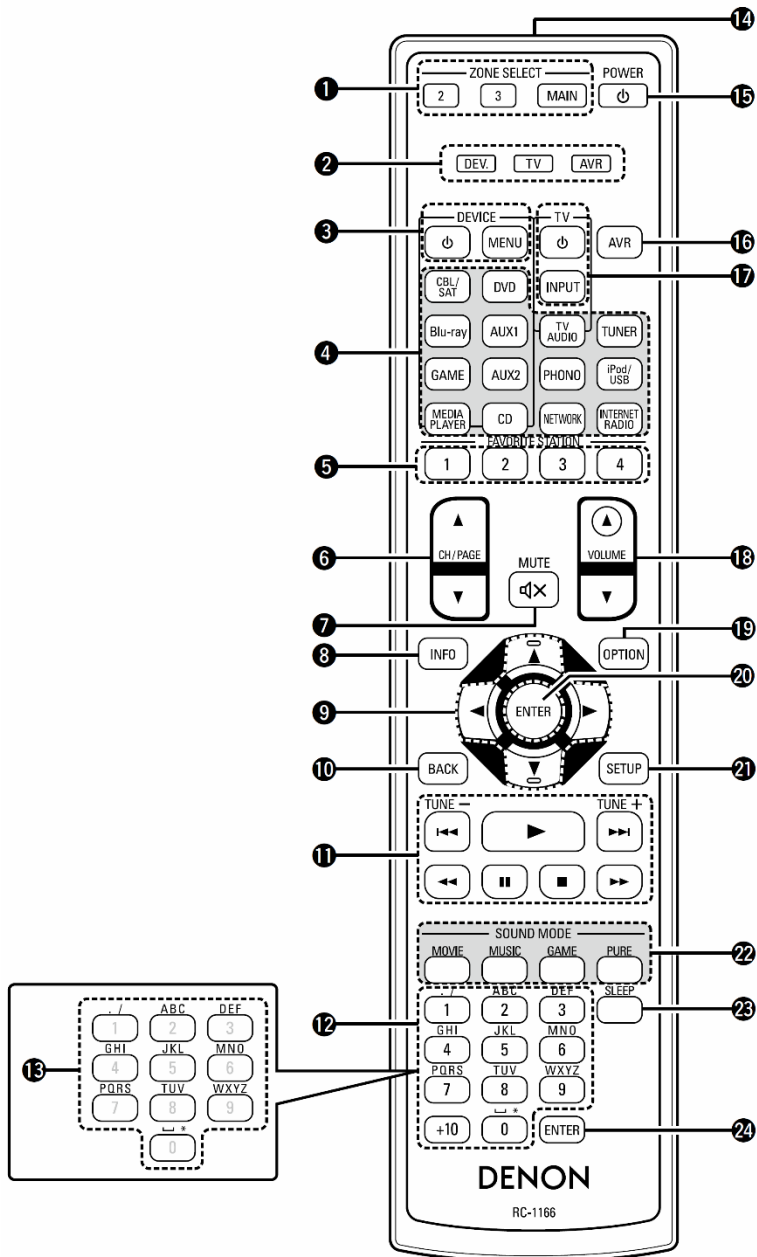
⑮ TRIGGER OUT jack

DISPLAY

HOME

REMOTE CONTROL 1

Remote Control (1 of 3)



① ZONE SELECT buttons (MAIN, Z2, Z3)

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

② Operation mode indicators

The “AVR” operation mode indicator lights when the unit is being operated.

The “DEV.” indicator lights when an external device is being operated. The “TV” indicator lights when the TV is being operated.

③ Device operation buttons (DEVICE / 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.

④ Input source select buttons

These select the input source.

⑤ FAVORITE STATION buttons (1 – 4)

⑥ Channel/page search buttons (CH/PAGE)

These select radio stations registered to presets or switch pages.

⑦ MUTE button ()

This mutes the output audio.

⑧ Information button (INFO)

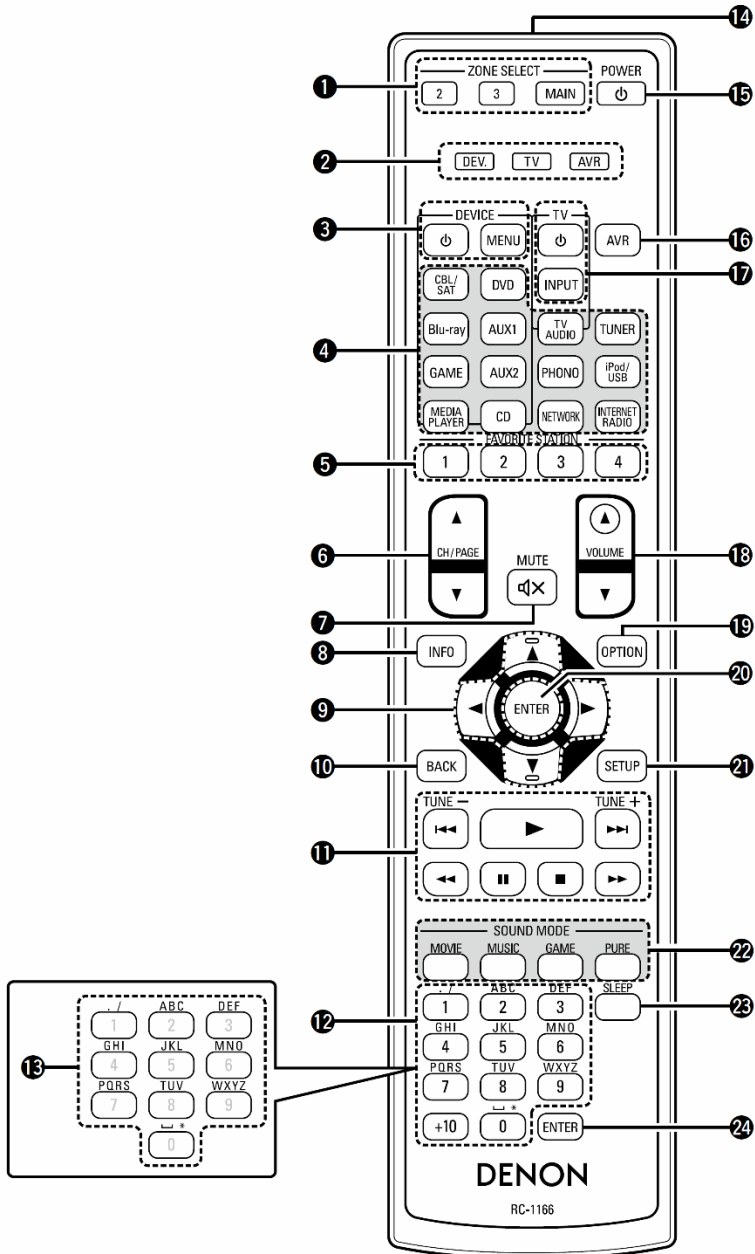
This displays the status information on the TV screen.

⑨ Cursor buttons ()

These select items.

⑩ BACK button

Remote Control (2 of 3)



11 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.

12 Number buttons

These enter numbers into the unit.

13 Character buttons

These enter letters into the unit.

14 Remote control signal transmitter

This transmits signals from the remote control unit.

15 POWER button (⏻)

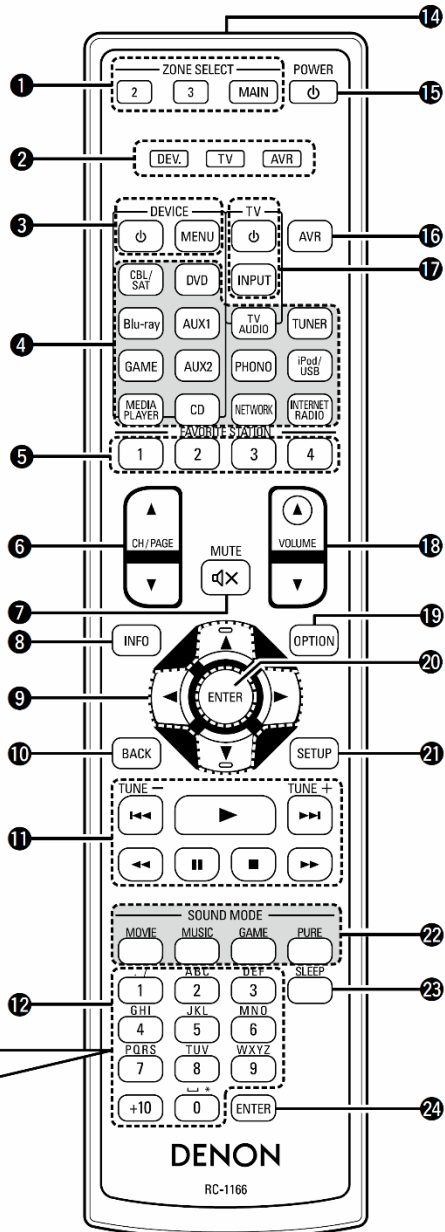
This turns the power on/off.

16 AVR-operation mode button

When using a remote control with preset codes registered, press AVR before other operations in order to operate the unit.

17 TV operation buttons (TV X / INPUT)

Remote Control (3 of 3)



18 VOLUME buttons (▲▼)

These adjust the volume level.

19 OPTION button

This displays the option menu on the TV screen.

20 ENTER button

This determines the selection.

21 SETUP button

This displays the menu on the TV screen.

22 SOUND MODE buttons

These select the sound mode.

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

23 SLEEP button

This sets the sleep timer.

24 ENTER button

DENON 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 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.panurgoem.com/Denon/Denonrepair.html>

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

Warranty (2 of 2)

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.

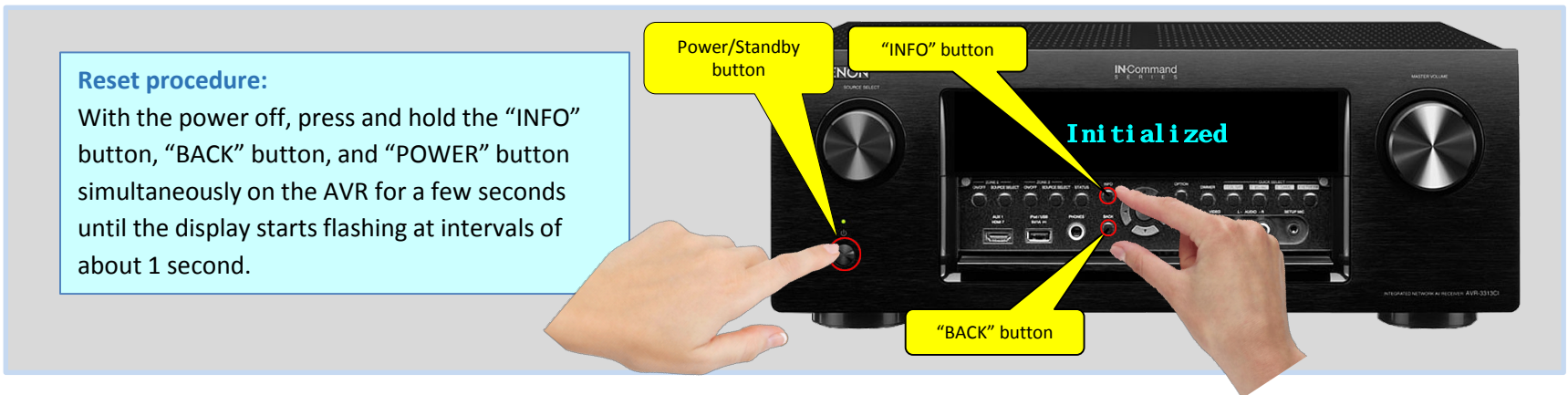
OUR LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL COMMERCIAL OR PROPERTY DAMAGES OF ANY KIND. WE ARE NOT RESPONSIBLE FOR PRODUCTS LOST, STOLEN AND/OR DAMAGED DURING SHIPPING.

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.

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

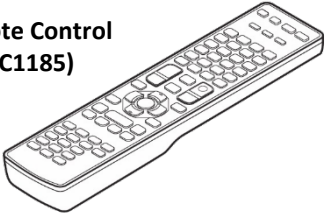

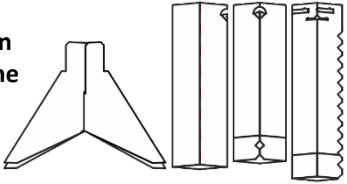

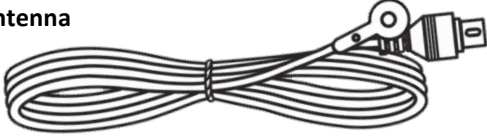
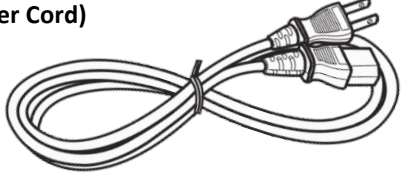
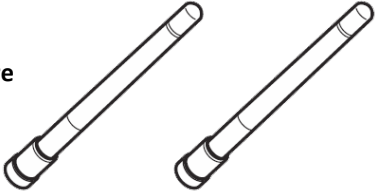
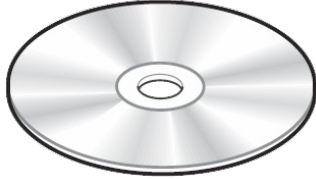
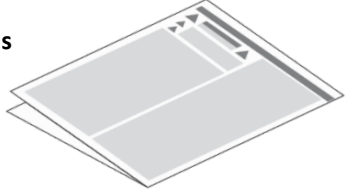
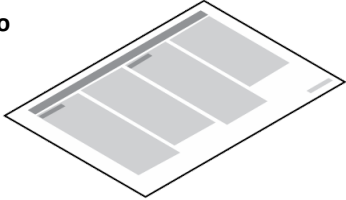
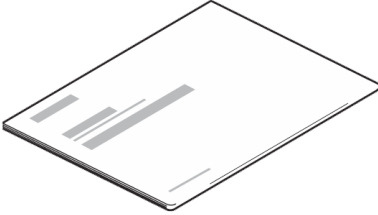
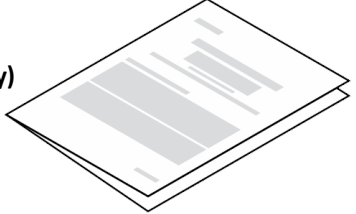
Before resetting the microprocessor;

- 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

Remote Control (RC1185) 		Sound Calibration Microphone (ACM1HB) 		Sound Calibration Microphone Stand 	
30701010500AD	\$49.99	32401000800AD	\$31.99	963549101000D	\$16.82
AM Loop Antenna 		FM Indoor Antenna 		Power Cord) 	
943116100090S	\$8.99	90M-ZA000230R	\$5.99	90M-ZC000310R	\$27.66
External Antennas For Bluetooth/Wireless Connectivity 		CD ROM Owner's Manual 		Safety Instructions 	
NA					
Notes on Radio 		Quick Start Guide 		Warranty (For North America Only) 	

RESET

HOME

FAQs

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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 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 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-3313CI, 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	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 height / Front wide/	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.)	
	Dynamic power		130W x 2-channel (8 Ω/ohms)
			190W x 2-channel (4 Ω/ohms)
Output connector		6 – 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		102 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 (PHONO input – MEDIA PLAYER OUT)	Input sensitivity		2.5 mV
	RIAA deviation		±1 dB (20 Hz to 20 kHz)
	S/N		74 dB (A weighting, with 5 mV input)
	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 (Brightness) 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	

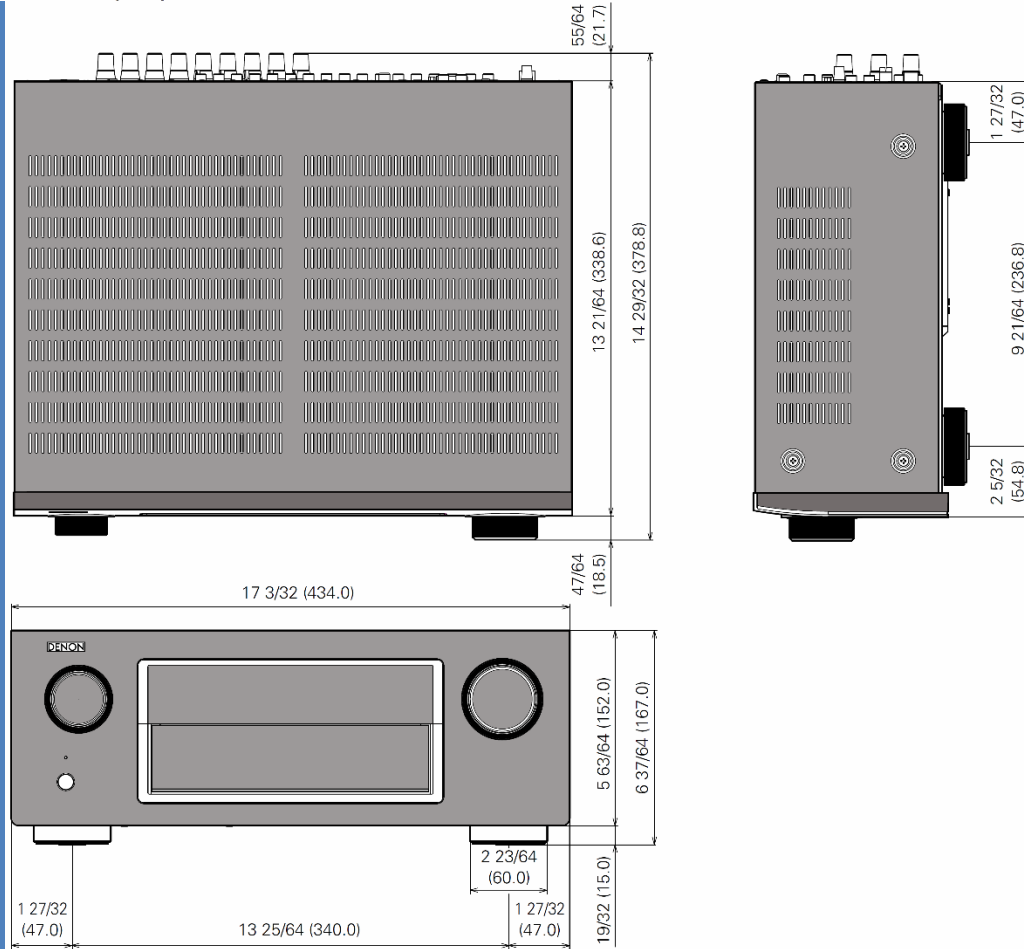
Tuner section			
(ANTENNA input – MEDIA PLAYER OUT)	FM		AM
	Note: μV at 75 Ω/ohms, 0 dBf = 1×10^{-15} W		
Reception frequency range	87.50 MHz - 107.90 MHz		530 KHz - 1710 KHz
Usable sensitivity	1.5 μV (14.8 dBf)		20 μV
S/N (IHF-A weighted)	Mono	78 dB	
	Stereo	68 dB	
	HD	85 dB	85 dB
Distortion (1 kHz)	Mono	0.1 %	
	Stereo	0.2 %	
	HD	0.02 %	0.02 %

General section	
Power supply	AC 120V, 60Hz
Power consumption	670W
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)



Weight: 26 lbs 7 oz (12.0 kg)

SPECIFICATIONS -
AUDIO

HOME

SPECIFICATIONS VIDEO
- TUNER - GENERAL

SPECIFICATIONS -
DIMENSIONS - WEIGHT

The End

NOTE:

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This edition is missing the link to the IR Codes.....7/28/2015

