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## Model Information

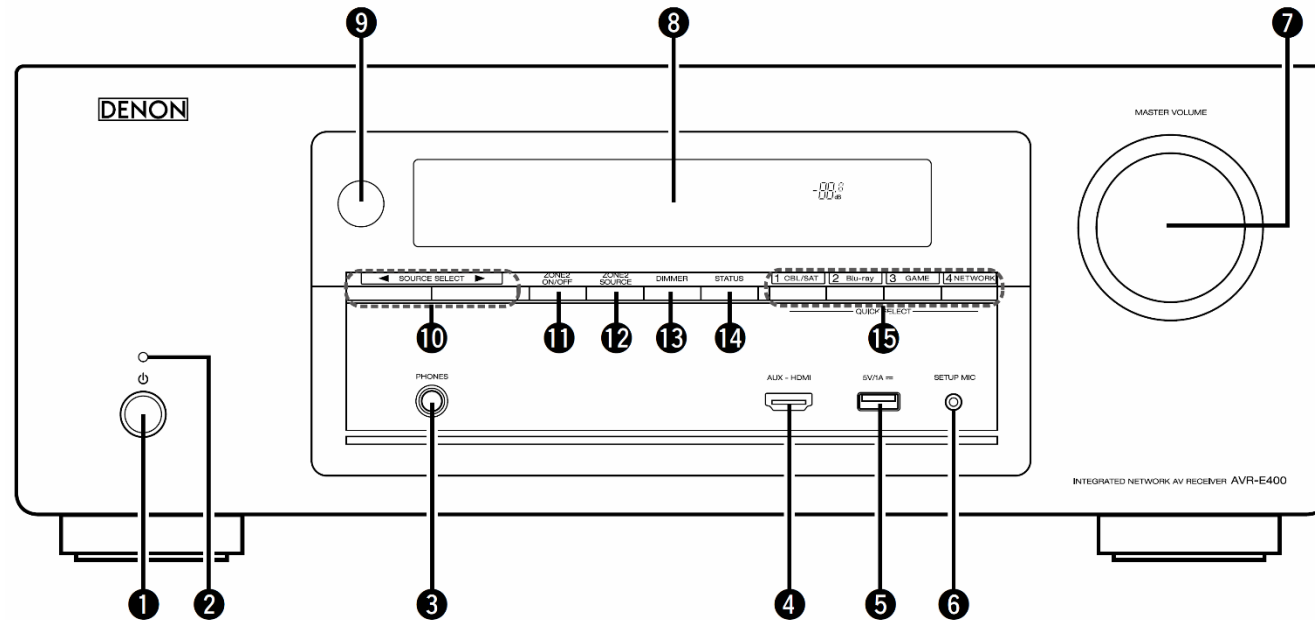
### INTEGRATED NETWORK AV RECEIVER



**NOTE:**

This edition is missing the FAQ's content (pages 13 and 14) .....7/29/2015  
 This edition is missing the link to the IR Codes.....7/29/2015

## Front Panel (1 of 2)



### ① Power operation button (⏻)

This turns the power of MAIN ZONE on/off (standby).

### ② Power indicator

This is lit as follows according to the power status:

- Power on : Green
- Normal standby : Off
- When “HDMI Pass Through” or “HDMI Control” is set to “On”: Red
- When “IP Control” is set to “Always On”: Red

### ③ Headphones jack (PHONES)

When the headphones are plugged into this jack, audio will no longer be output from the connected speakers.

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

### ④ AUX-HDMI connector

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

### ⑤ USB port

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

### ⑥ SETUP MIC jack

Used to connect the supplied Setup and measurement microphone.

### ⑦ MASTER VOLUME knob

This adjusts the volume level.

### ⑧ Display

This displays various pieces of information.

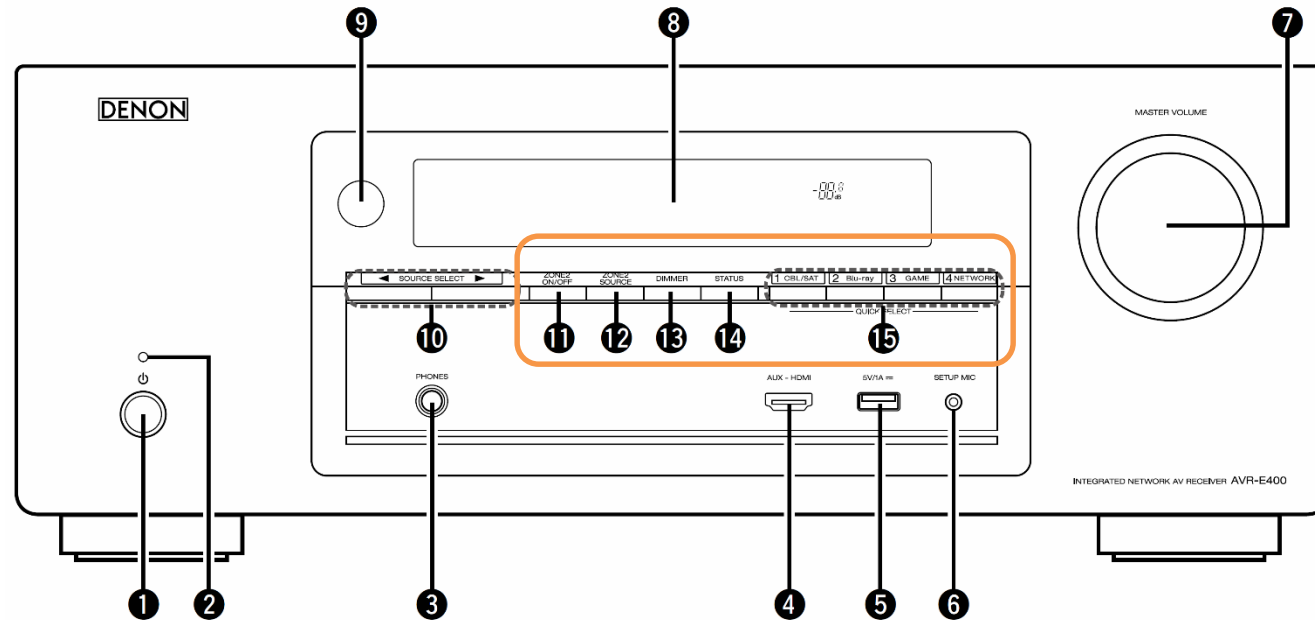
### ⑨ Remote control sensor

This receives signals from the remote control unit.

### ⑩ SOURCE SELECT button

This selects the input source.

## Front Panel (2 of 2)



### ⑪ ZONE2 ON/OFF button

This turns the power of ZONE2 on/off.

### ⑫ ZONE2 SOURCE button

This selects the input source for ZONE2.

### ⑬ DIMMER button

Each press of this switches the brightness of the display.

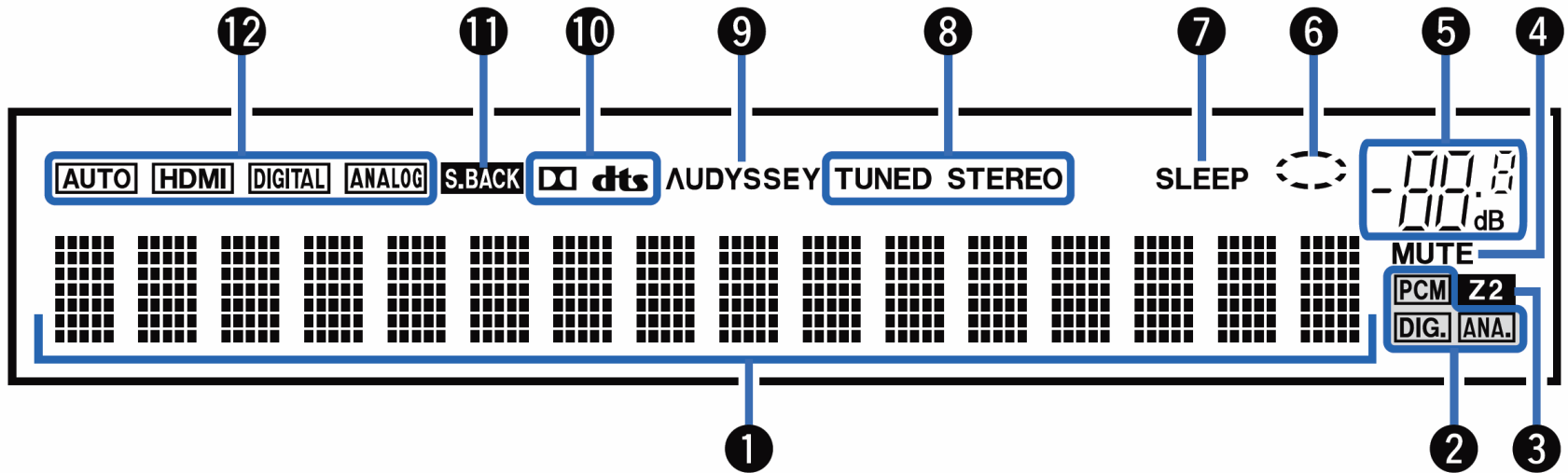
### ⑭ STATUS button

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

### ⑮ 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.

## Display (1 of 2)



### ① Information display

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

### ② Input signal indicators

### ③ MULTI ZONE indicators

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

### ④ MUTE indicator

This lights when the audio mute mode is selected.

### ⑤ Master volume indicator

### ⑥ Circle indicator

Circle indicator is displayed when the input source is “NETWORK” or “iPod/USB” when you are playing back music.

### ⑦ Sleep timer indicator

This lights when the sleep mode is selected.

### ⑧ Tuner reception mode indicators

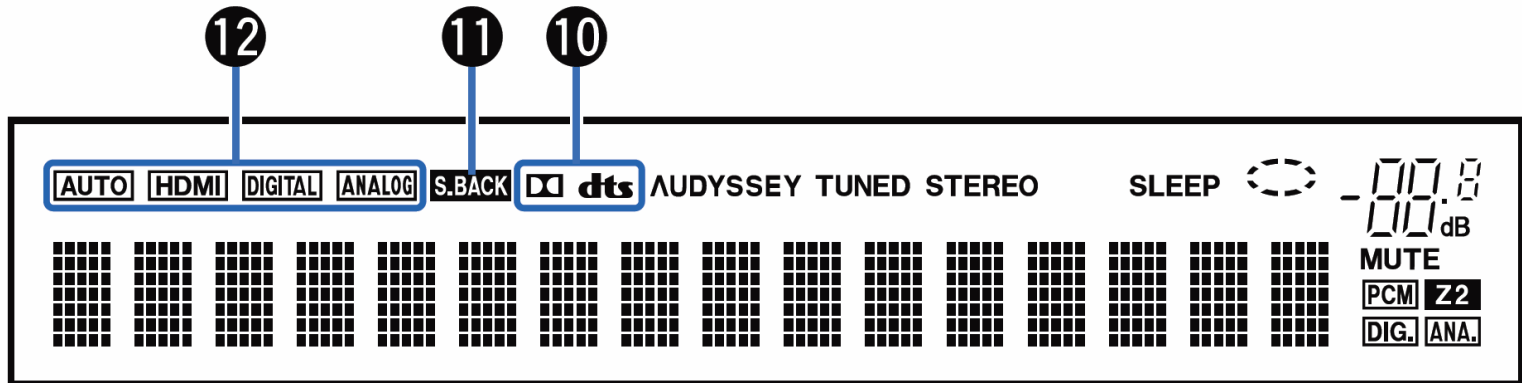
These light according to the reception conditions when the input source is set to “TUNER”.

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

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

### ⑨ Audyssey® indicator

This indicator lights when the “MultEQ® XT” “Dynamic EQ” or “Dynamic Volume” setting is set to other than “Off”.



### ⑩ Decoder indicator

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

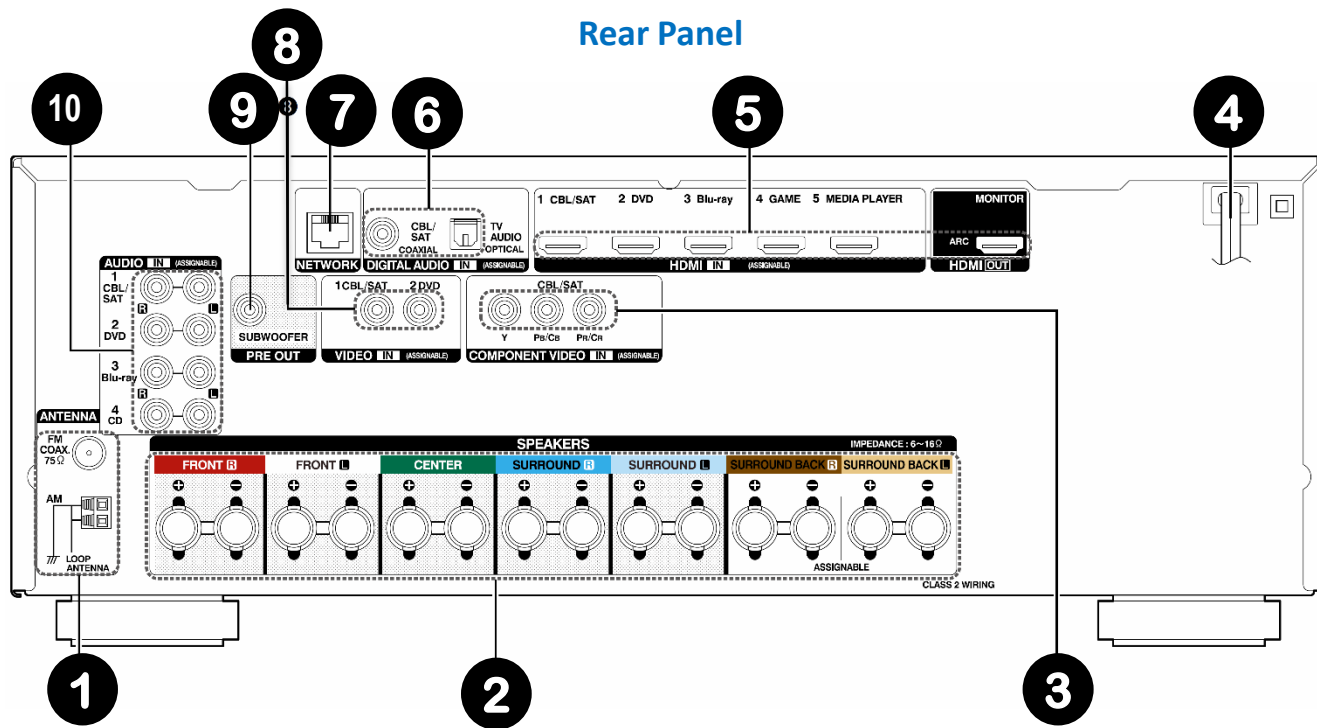
### ⑪ Surround back indicator

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

### ⑫ Input mode indicators

Set the audio input modes for the different input sources.

## Rear Panel



### ① FM/AM antenna terminals (ANTENNA)

Used to connect FM and AM antennas.

### ② Speaker terminals (SPEAKERS)

Used to connect speakers.

### ③ Component video connectors (COMPONENT VIDEO)

Used to connect devices equipped with component video connectors.

### ④ Power cord

### ⑤ HDMI connectors

Used to connect devices equipped with HDMI connectors

### ⑥ Digital audio connectors (DIGITAL AUDIO)

Used to connect devices equipped with digital audio connectors.

### ⑦ Network connector (NETWORK)

Used to connect this unit to the network.

### ⑧ Video connectors (VIDEO)

Used to connect devices equipped with video connectors.

### ⑨ PRE OUT connectors

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

### ⑩ Analog audio connectors (AUDIO)

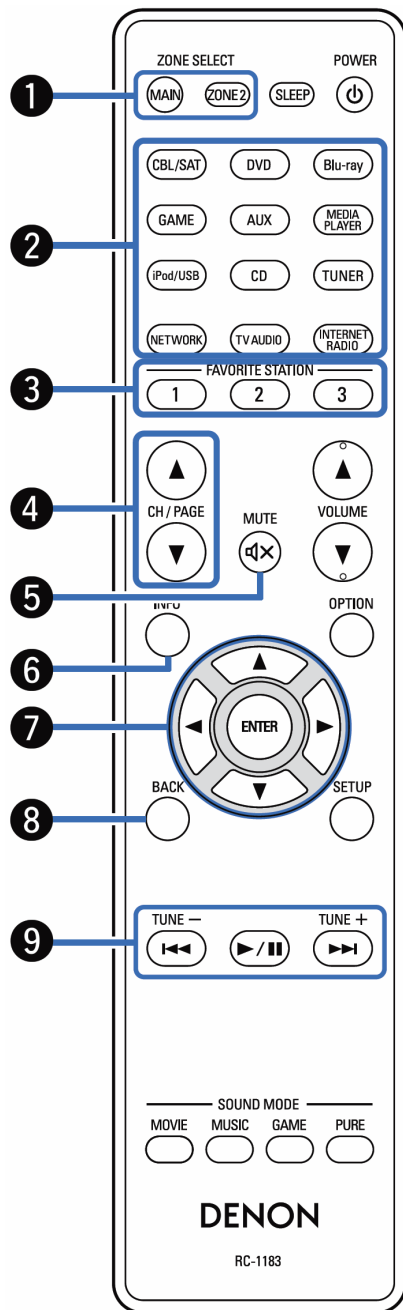
Used to connect devices equipped with analog audio connectors.

DISPLAY 2

HOME

REMOTE CONTROL 1

## Remote Control (1 of 2)



### ① ZONE SELECT buttons (MAIN, ZONE2)

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

### ② Input source select buttons

These select the input source.

### ③ FAVORITE STATION buttons (1 – 3)

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

### ④ Channel/page search buttons (CH/PAGE ▲▼)

These select preset radio stations or switch pages.

### ⑤ MUTE button (M)

This mutes the output audio.

### ⑥ Information button (INFO)

This displays the status information on the TV screen.

### ⑦ Cursor buttons (▲▼◀▶)

These select items.

### ⑧ BACK button

This returns to the previous screen.

### ⑨ System buttons

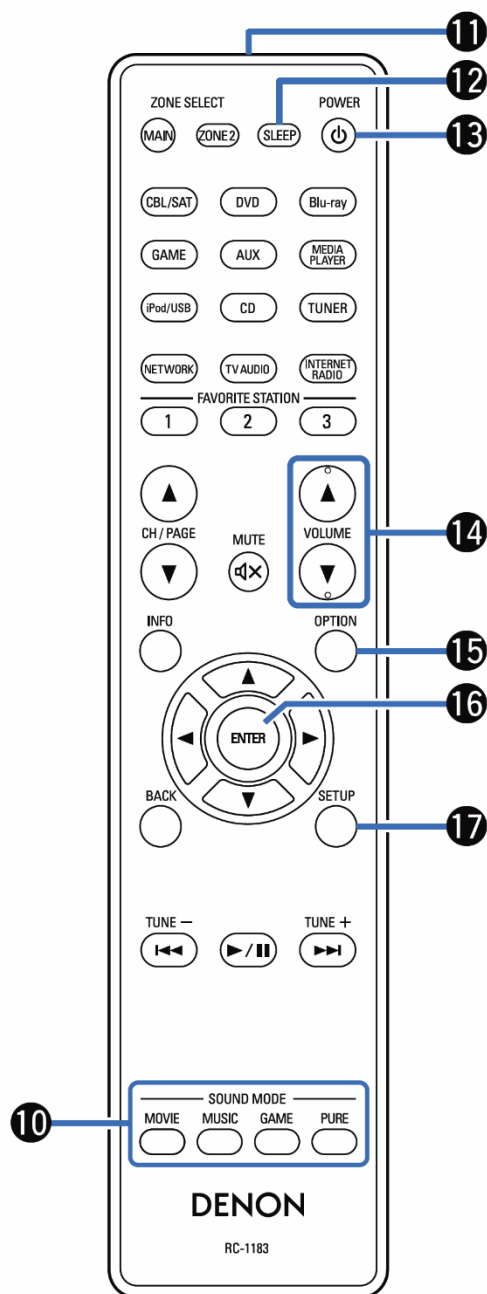
These perform playback related operations.

- Skip buttons (◀▶)
- Play/pause button (II)

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

These operate the tuner.

## Remote Control (2 of 2)



### ⑩ SOUND MODE buttons

These select the sound mode.

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

### ⑪ Remote control signal transmitter

This transmits signals from the remote control unit.

### ⑫ SLEEP button

This sets the sleep timer.

### ⑬ POWER button (⏻)

This turns the power on/off.

### ⑭ VOLUME buttons (▲▼)

These adjust the volume level.

### ⑮ OPTION button

This displays the option menu on the TV screen.

### ⑯ ENTER button

This determines the selection.

### ⑰ SETUP button

This displays the menu on the TV screen

# 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.

**2 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](http://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.

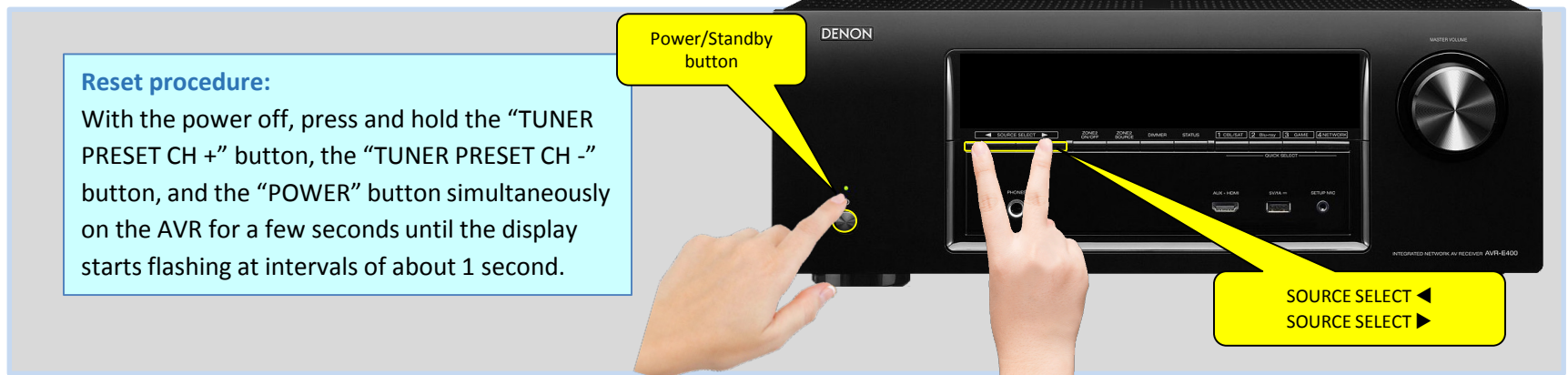
OUR LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL COMMERCIAL OR PROPERTY DAMAGES OF ANY KIND. WE ARE NOT RESPONSIBLE FOR PRODUCTS LOST, STOLEN AND/OR DAMAGED DURING SHIPPING.

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

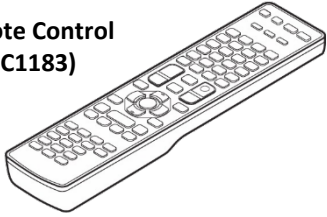

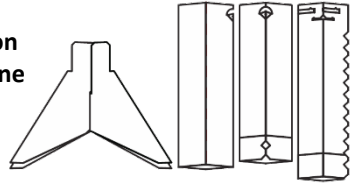

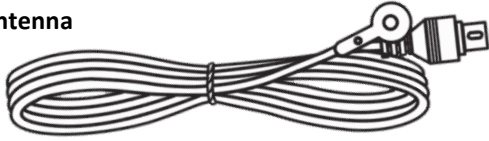
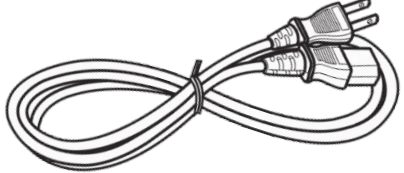
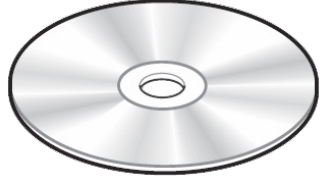
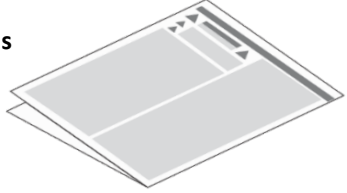
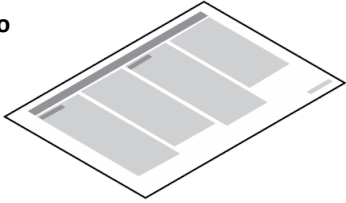
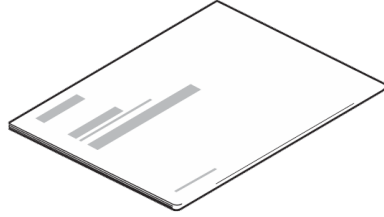
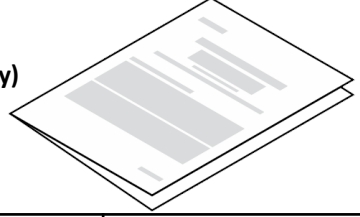
Before resetting the microprocessor;

- 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

<b>Remote Control (RC1183)</b> 		<b>Sound Calibration Microphone (ACM1HB)</b> 		<b>Sound Calibration Microphone Stand</b> 	
30701013800AD	<b>\$48.99</b>	32401000800AD	<b>\$31.99</b>	963549101000D	<b>\$16.82</b>
<b>AM Loop Antenna</b> 		<b>FM Indoor Antenna</b> 			
963116100070S	<b>\$8.99</b>	963116100080S	<b>\$3.27</b>	NA	
		<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

FAQs

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## 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-E400, click on the following Upgrade page:**

[www.usa.denon.com/US/Downloads/Pages/Product-Updates.aspx](http://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](http://usa.denon.com/us/downloads/productupdates?_ga=1.114028992.611911196.1430951505)

## Specifications – Audio Section

Audio section			
Power amplifier	Rated output	Front	90 W + 90 W (8 $\Omega$ /ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W + 125 W (6 $\Omega$ /ohms, 1 kHz with 0.7 % T.H.D.)
		Center	90 W (8 $\Omega$ /ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W (6 $\Omega$ /ohms, 1 kHz with 0.7 % T.H.D.)
		Surround	90 W + 90 W (8 $\Omega$ /ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W + 125 W (6 $\Omega$ /ohms, 1 kHz with 0.7 % T.H.D.)
		Surround back	90 W + 90 W (8 $\Omega$ /ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			125 W + 125 W (6 $\Omega$ /ohms, 1 kHz with 0.7 % T.H.D.)
	Output connector	6 – 16 $\Omega$ /ohms	
Analog	Input sensitivity/Input impedance		200 mV/47 k $\Omega$ /kohms
	Frequency response		10 Hz – 100 kHz — +1, –3 dB (Direct mode)
	S/N		100 dB (IHF–A weighted, Direct mode)

## Specifications - Tuner Section, General Section

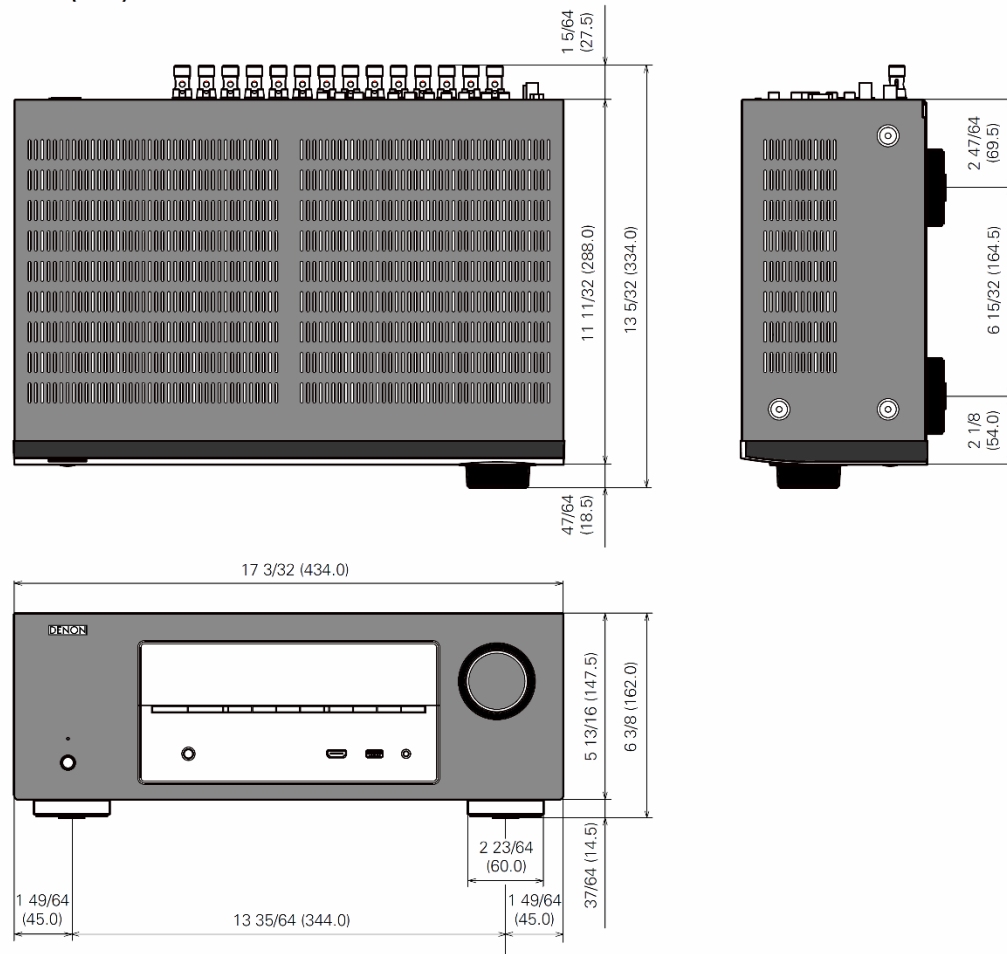
Tuner section		
	FM	AM
	Note: $\mu\text{V}$ at $75 \Omega/\text{ohms}$ , $0 \text{ dBf} = 1 \times 10^{-15} \text{ W}$	
Reception frequency range	87.5 MHz - 107.9 MHz	520 KHz -1710 KHz
Effective sensitivity	1.2 $\mu\text{V}$ (12.8 dBf)	18 $\mu\text{V}$
50 dB sensitivity	MONO — 2.8 $\mu\text{V}$ (20.2 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 %

General section	
Power supply	AC 120V, 60Hz
Power consumption	460W
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: 20 lbs 12 oz (9.4 kg)

SPECIFICATIONS -  
AUDIO

SPECIFICATIONS - TUNER -  
GENERAL

HOME

# The End

**NOTE:**

This edition is missing the FAQ's content (pages 13 and 14) .....7/29/2015  
This edition is missing the link to the IR Codes.....7/29/2015

