

Model Information

INTEGRATED NETWORK AV RECEIVER

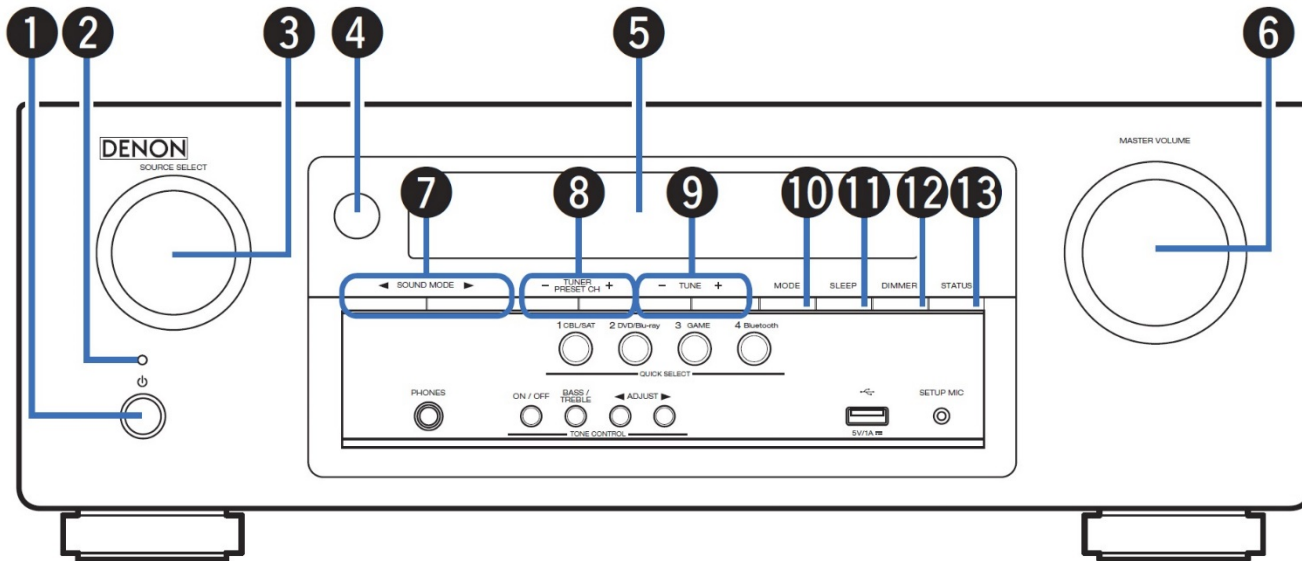
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- Front Panel
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NOTE:

This edition is missing the FAQ's content (pages 13 and 14)7/1/2015
This edition is missing the link to the IR Codes.....7/1/2015

Front Panel (1 of 2)



① Power operation button (⏻)

Used to turn the power on/off (standby).

② Power indicator

This is lit as follows according to the power status:

- Green: Power on
- Off: Normal standby
- Red:
 - When "HDMI Pass through"
 - When "Bluetooth Standby".

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 SOUND MODE buttons (◀▶)

These select the sound mode.

⑧ Tuner preset channel buttons (TUNER PRESET CH +, -)

These select preset broadcast stations.

⑨ Tuning buttons (TUNE +, -)

Select either FM broadcast or AM broadcast.

⑩ Tuning mode select button (MODE)

This switches the tuning mode.

⑪ SLEEP button

This sets the sleep timer.

⑫ DIMMER button

Each press of this switches the brightness of the display. (v p. 89)

⑬ STATUS button

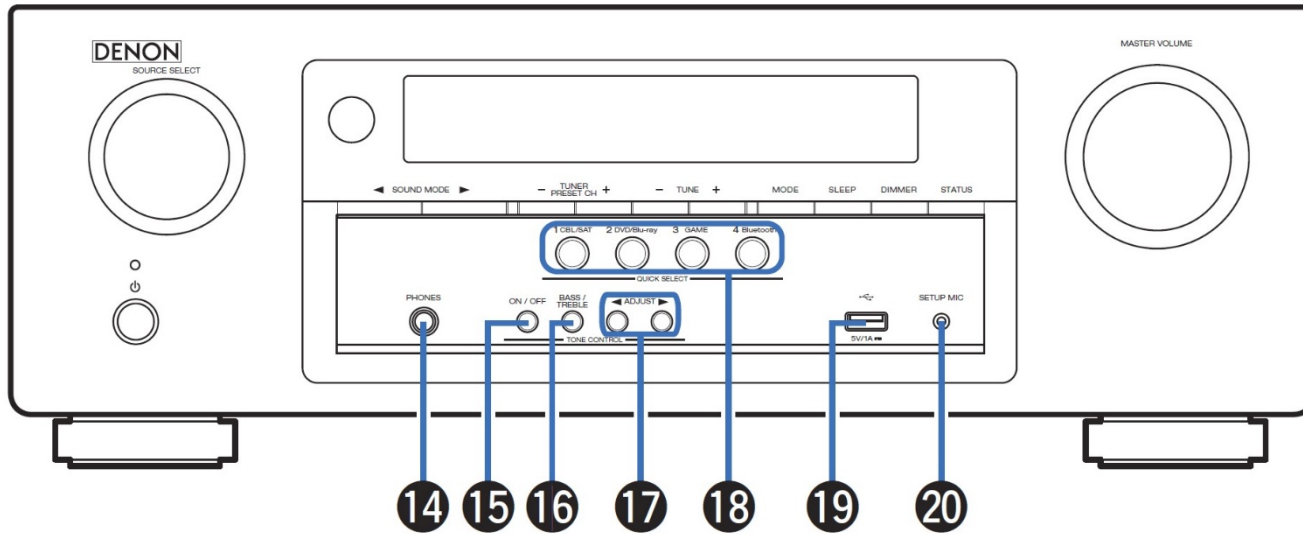
Each press of this switches the status information that is shown on the display.

DISPLAY 1

HOME

FRONT PANEL 2

Front Panel (2 of 2)



⑭ 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 SUBWOOFER connectors.

NOTE:

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

⑮ TONE CONTROL ON/OFF button

Set the tone control function to on/off.

⑯ BASS/TREBLE button

Selects the range for which to adjust the tone.

⑰ Tone adjustment buttons (ADJUST ◀▶)

Adjusts the tonal quality of the sound.

⑱ 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.

⑲ USB port

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

⑳ SETUP MIC jack

This is used to connect the supplied Sound calibration microphone.

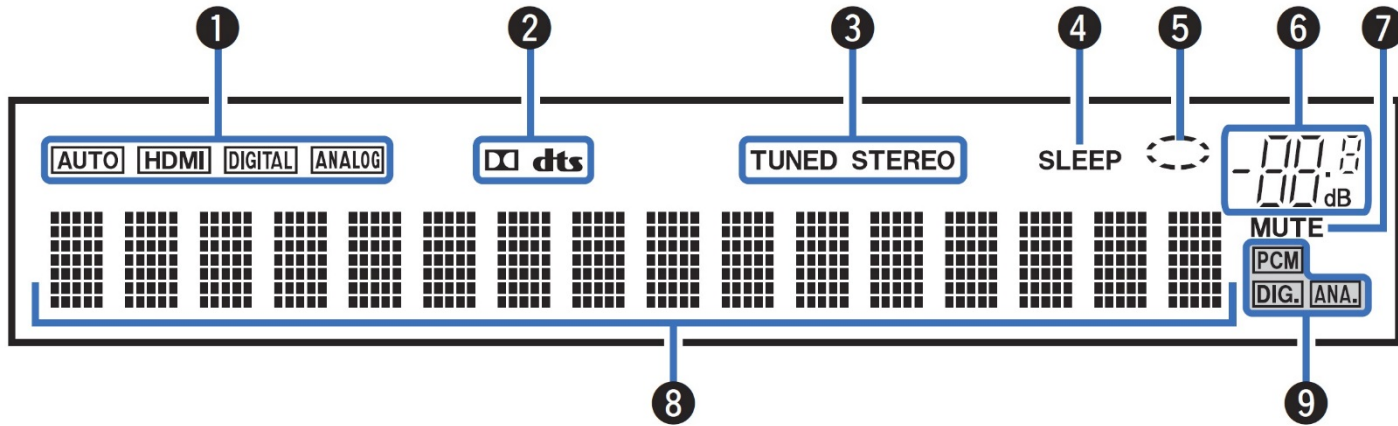
BASS/TREBLE button and ADJUST ◀▶ buttons can be operated when the "Tone" setting is "On".

FRONT PANEL 1

HOME

DISPLAY 1

Display



① Input mode indicators

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

② Decoder indicators

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

③ 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.

④ Sleep timer indicator

This lights when the sleep mode is selected.

⑤ Circle indicator

This is displayed when the input source is "USB" when you are playing back music.

⑥ Volume indicator

⑦ MUTE indicator

This blinks while the sound is mute.

⑧ Information display

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

⑨ Input signal indicators

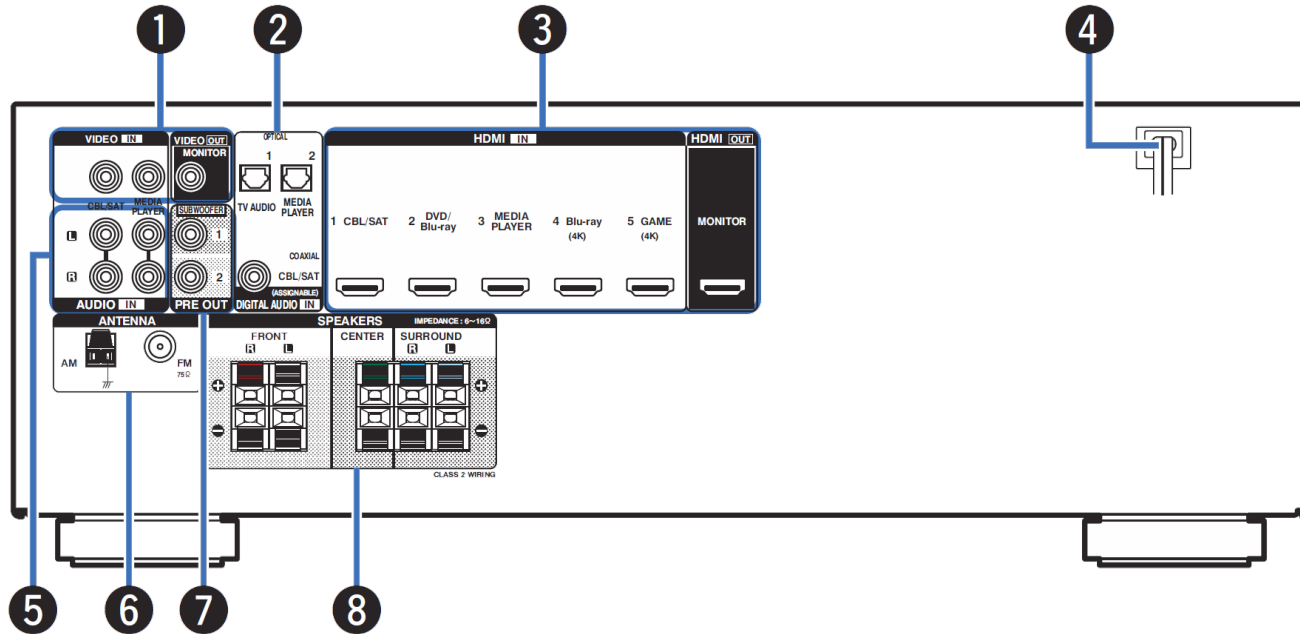
The respective indicator will light corresponding to the input signal.

FRONT PANEL 2

HOME

REAR PANEL

Rear Panel



① A Video connectors (VIDEO)

Used to connect devices equipped with video connectors.

② Digital audio connectors (DIGITAL AUDIO)

Used to connect devices equipped with digital audio connectors.

③ HDMI connectors

Used to connect devices equipped with HDMI connectors.

④ Power cord

⑤ Analog audio connectors (AUDIO)

Used to connect devices equipped with analog audio connectors.

⑥ FM/AM antenna terminals (ANTENNA)

Used to connect FM antennas and AM loop antennas.

⑦ PRE OUT connectors

Used to connect a subwoofer with a built-in amplifier.

⑧ Speaker terminals (SPEAKERS)

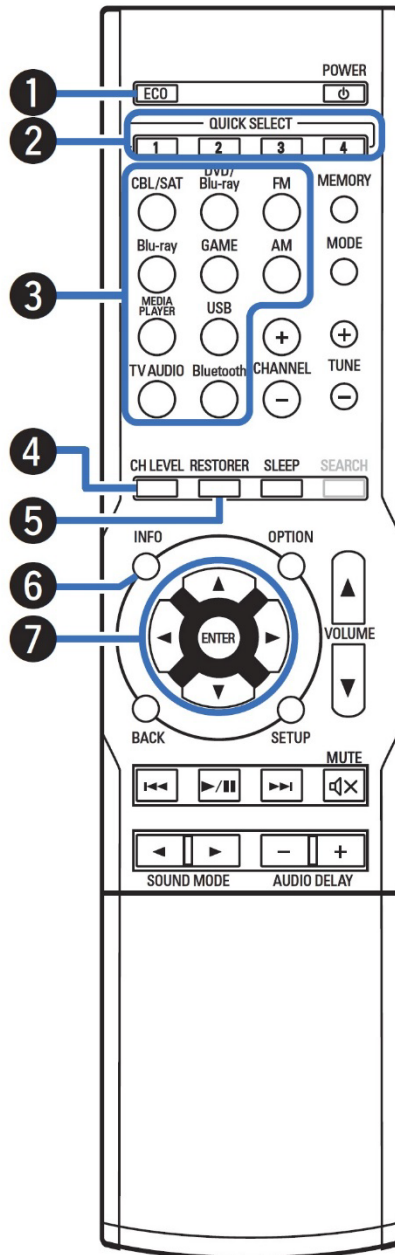
Used to connect speakers.

DISPLAY

HOME

REMOTE CONTROL 1

Remote Control (1 of 3)



① A **ECO Mode** button

This switches to ECO Mode.

② **QUICK SELECT** buttons (1 – 4)

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

③ **Input source select** button

These select the input source.

④ **Channel level button (CH LEVEL)**

Adjusting the volume of the speakers.

⑤ **RESTORER** button

Expands the low and high frequency components of compressed audio content such as MP3 files to enable richer audio playback.

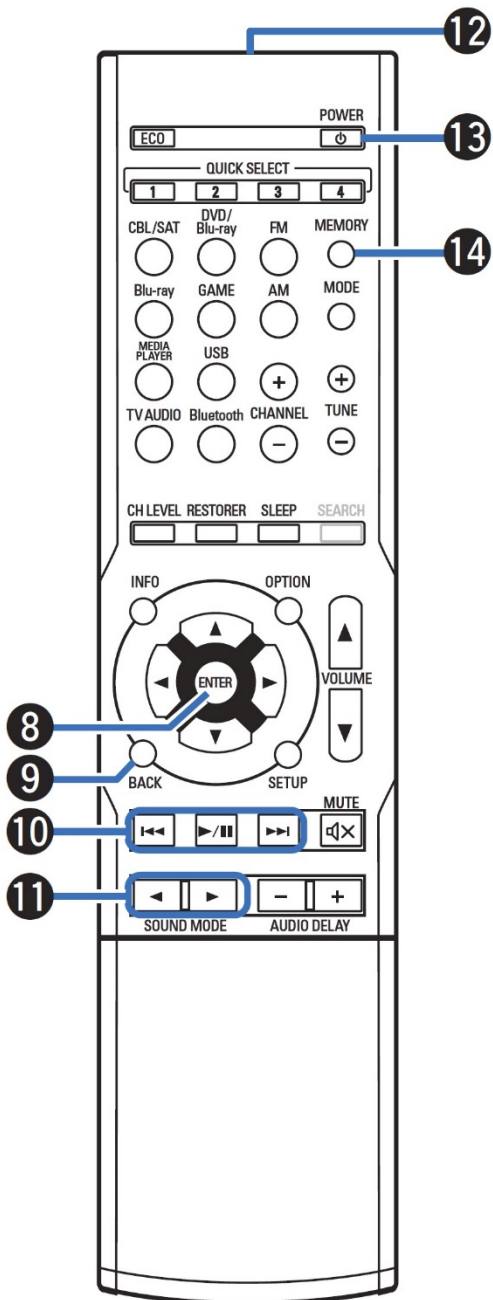
⑥ **Information button (INFO)**

This displays the status information on the TV screen.

⑦ **Cursor** buttons (◀▶)

These select items.

Remote Control (2 of 3)



⑧ ENTER button

This determines the selection.

⑨ BACK button

This returns to the previous screen.

⑩ System buttons

These perform playback related operations.

- Skip buttons (⏮, ⏭)
- Play/pause button (▶/⏸)

⑪ SOUND MODE buttons (◀▶)

These select the sound mode.

⑫ Remote control signal transmitter

This transmits signals from the remote control unit.

⑬ POWER button (⏻)

This turns the power on/off.

⑭ Preset memory button (MEMORY)

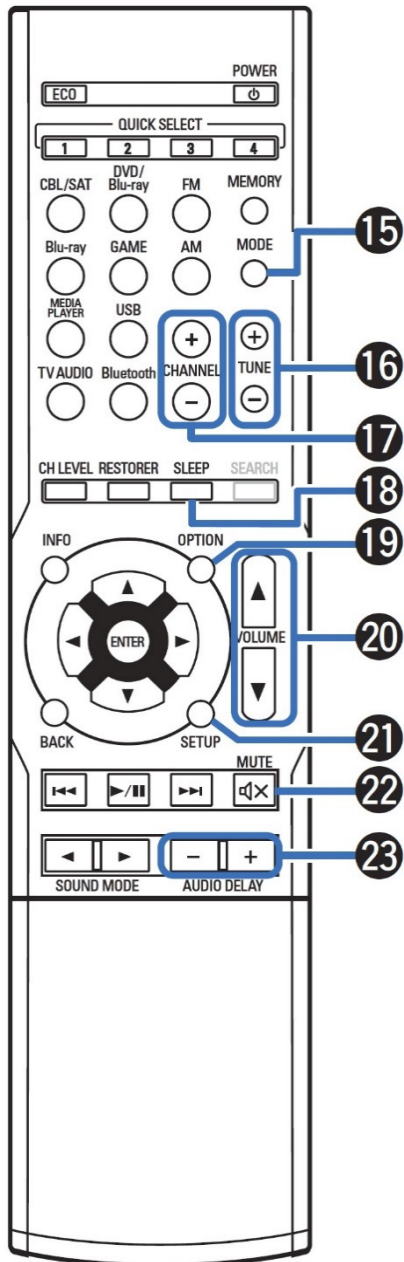
The current broadcast station that is preset.

REMOTE CONTROL 1

HOME

REMOTE CONTROL 3

Remote Control (3 of 3)



15 Tuning mode select button (MODE)

This switches the tune mode.

16 Tuning buttons (TUNE +, -)

These select either FM broadcast or AM broadcast.

17 Channel buttons (CHANNEL +, -)

These select preset radio stations.

18 SLEEP button

This sets the sleep timer.

19 OPTION button

This displays the option menu on the TV screen.

20 VOLUME buttons (▲▼)

These adjust the volume level.

21 SETUP button

This displays the menu on the TV screen.

22 MUTE button (⏏)

This mutes the output audio.

23 AUDIO DELAY buttons (+, -)

Compensates for incorrect timing between video and audio.

The SEARCH button on this unit cannot be used.

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

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

REMOTE CONTROL 3

HOME

WARRANTY 2

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.

WARRANTY 1

HOME

RESET

Reset



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;

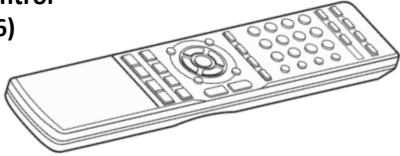
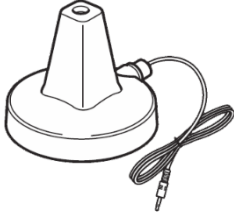

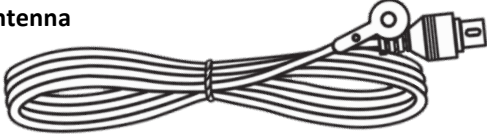
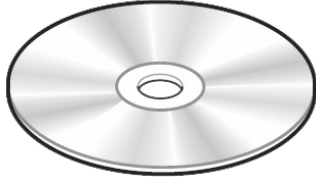
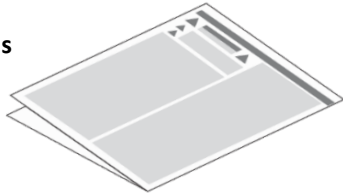
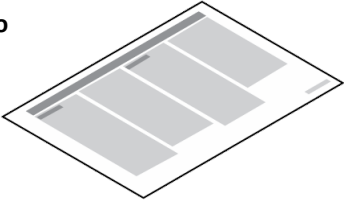
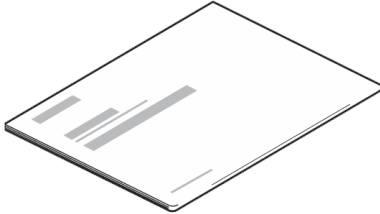
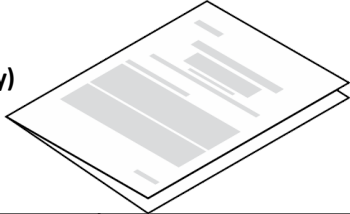
- Check all connections carefully
- Check for setup errors

WARRANTY 2

HOME

ACCESSORIES

Accessories

Remote Control (RC1196) 		Sound Calibration Microphone 			
30701017000AD	\$41.99	943324008700D	\$39.99		
AM Loop Antenna 		FM Indoor Antenna 			
963116100070S	\$8.99	943116100170D	\$5.44		
		CD ROM Owner's Manual 		Safety Instructions 	
Notes on Radio 		Quick Start Guide 		Warranty (For North America Only) 	

RESET

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FAQ's

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FAQ's 1

HOME

UPGRADE

Upgrades/Updates

Firmware:

Update this unit using the USB port when a new firmware is supplied.

To update the firmware, connect the USB memory device to the USB port on this unit.

To download the latest version of firmware for AVR-S500BT, 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

FAQ's 2

HOME

Specifications – Audio/Tuner Section

Specifications – Audio section and Tuner Section

Audio section

Power amplifier	Rated output	Front	70 W + 70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			90 W + 90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
		Center	70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
		Surround	70 W + 70 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)
			90 W + 90 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)
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		98 dB (IHF–A weighted, Direct mode)

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)	18 μV
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 %

[Upgrades/Updates](#)
[SPECIFICATIONS - AUDIO – TUNER](#)
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[SPECIFICATIONS - BLUETOOTH - GENERAL](#)
[SPECIFICATIONS - DIMENSIONS - WEIGHT](#)

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	310 W
Power consumption in standby mode	0.1 W
Power consumption when Bluetooth standby is used	1 W

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

SPECIFICATIONS - AUDIO -
TUNER

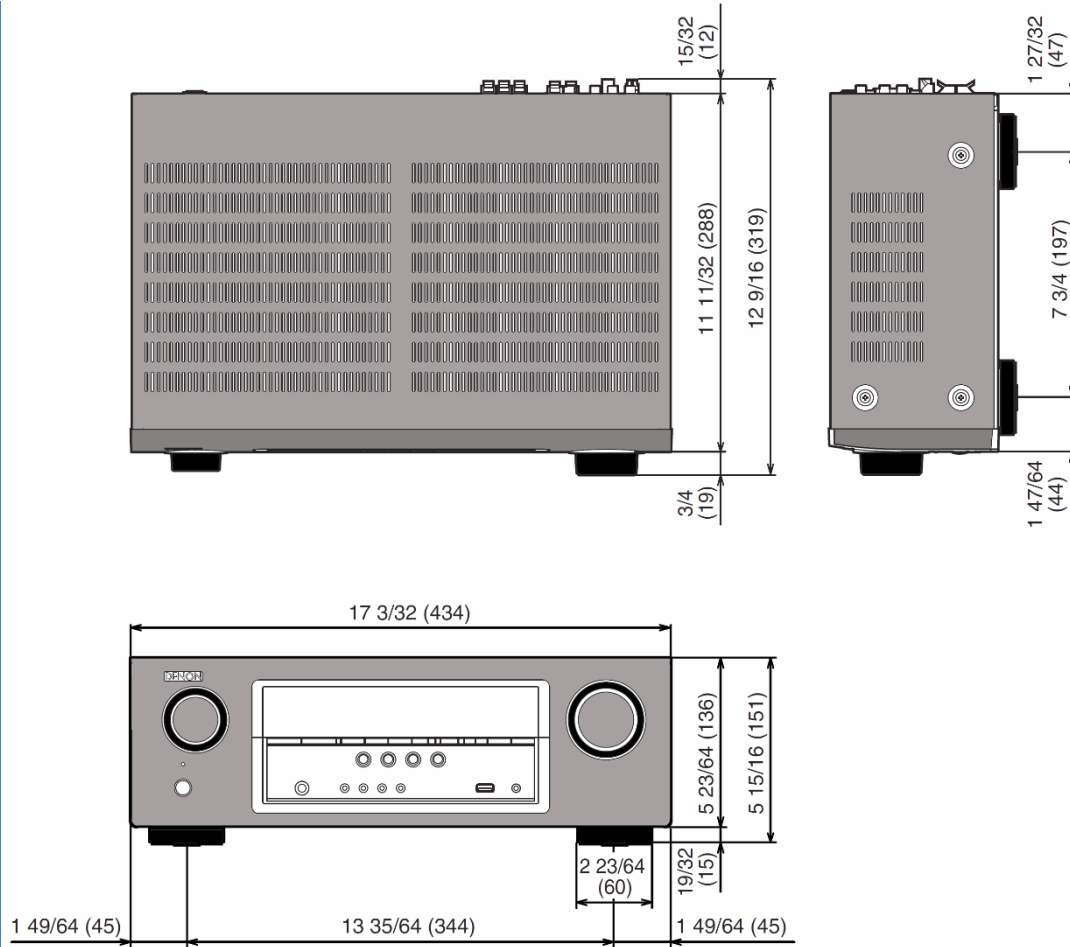
HOME

SPECIFICATIONS
BLUETOOTH - GENERAL

SPECIFICATIONS -
DIMENSIONS - WEIGHT

Specifications – Dimensions, Weight

Dimensions section (Unit : inch/mm)



Weight: 16 lbs 9 oz (7.5 kg)

SPECIFICATIONS -
AUDIO

SPECIFICATIONS - VIDEO -
TUNER - WIRELESS LAN

HOME

SPECIFICATIONS
BLUETOOTH - GENERAL

SPECIFICATIONS -
DIMENSIONS - WEIGHT

The End

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