

New model information

AVR-4311

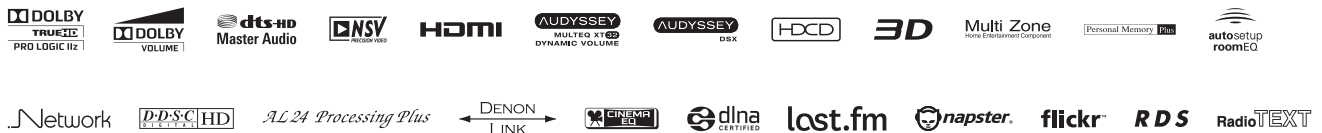
AV Surround Receiver

100th
Anniversary
since 1910

DENON

Immerse yourself in rich 3D video and 3D sound, plus on-line digital content

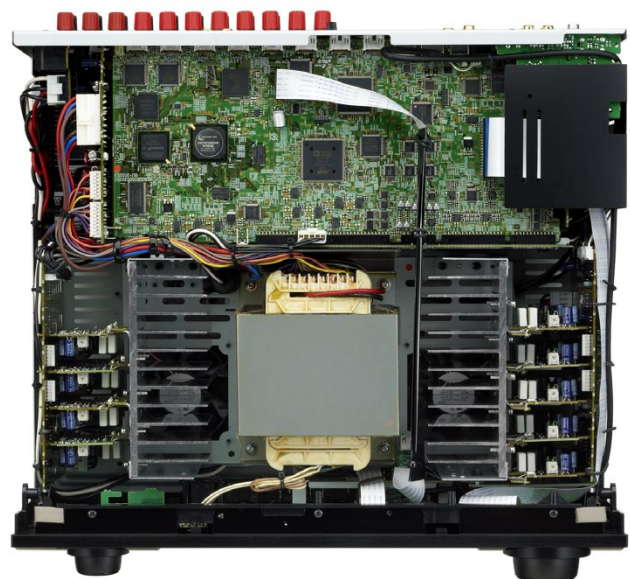
The AVR-4311 is a 9-channel A/V surround receiver that not only offers DENON LINK 4th and high-bit i/p conversion and scaling along with other acclaimed Denon audio and video technologies, but also lets users enjoy a wide variety of media such as Network Audio and Photo Streaming. The AVR-4311 A/V receiver, with HDMI version 1.4a, can be connected to a TV and other video devices that support 3D video. This receiver supports not only Dolby TrueHD, DTS-HD Master Audio and other HD Audio formats but also Audyssey DSX for a wide, highly realistic spatial expression at the left and right sides as well as the vertical and horizontal directions at the front, allowing you to experience a truly rich 3D ambience of video and sound.



Features

New Features

- Featuring 3D pass-through technology
- Supports HDMI 1.4a with 3D, Audio Return Channel, Deep Color, "x.v.Color", Auto Lipsync and HDMI control function
- Audyssey MultEQ XT 32 and Auto Setup
- Discrete subwoofers and Audyssey multiple subwoofer calibration
- Direct play for iPod and iPhone via USB
- Audyssey DSX Processing (11.2 ch)
- Enhance network capability
 - Internet Radio and network audio/photo streaming via Ethernet
 - Last.fm, Napster and flickr online support
 - 'Party Mode Plus'(*)
 - FLAC HD, High-resolution audio format
 - Compatible with Windows® 7
 - Web control
- Newly developed pre memory remote control handset with LCD
- iPod and iPhone playback for Zone 2 / Zone 3
- Remote Setup Guidance
- Dual subwoofers preout
- Dolby Volume



One-cable HD solution

- Supports HDMI 1.4a with Audio Return Channel
- All sources are up-scaled to 1080P
- 7 x HDMI in / 2 x HDMI out with GUI (Graphical User Interface)

State-of-the-art Denon Solutions for Maximizing Content Quality

- Fully discrete, identical quality and power for all 9 channels (170 W x 9ch)
- 9ch Discrete Mono Amp Construction
- 4 ohm Speaker Drivability
- Stable power supply for high-quality sound and picture playback
- HDMI Clock Control via DENON LINK 4th
- Dynamic Discrete Surround Circuit, D.D.S.C.-HD
- High definition audio support, Dolby TrueHD and DTS-HD Master Audio
- Supports Dolby Pro Logic IIz processing
- High-bit I/P Converter and Scaler up to 1080p
- Minimum Signal Path for clear audio and video signal
- Direct Mechanical Ground Construction, embodying concepts for thorough vibration resistance

Connectivity & Future-ready Expandability

- Simultaneous playback on two HDMI channels
 - Power Amp Assign function, for versatility in using the AVR-4311 for different purposes
 - 3 source / 3 zone capability
- ### Ease-of-Use
- On-Board GUI (Graphical User Interface) via HDMI output (up to 1080p)
 - Audyssey Dynamic Volume, for real-time volume adjustment
 - 2-line fluorescent display on front panel
 - Sleep timer function
 - Audio Delay function (max. 6 frames or 200 msec)
 - Muting level settings (Full/-40dB/-20dB)
 - Audio level memory, capable of correcting different signal levels for each input device
 - Variable subwoofer crossover switching

Others

- AMX, Crestron third party control support
- PC and iPhone setup via Ethernet (web control)
- Remote Access & Maintenance
- IP Control
- Lower power consumption at stand-by 0.1 W (Standby)

Ports

In		
HDMI		x 7
Component		x 3
S-Video		x 2
Composite (Video)		x 5
Analog Audio (Tuner included)		x 9
Analog EXT. Input		7.1ch
Digital Optical		x 2
Digital Coaxial		x 2
DENON LINK(4th)		x 1
Out		
HDMI Monitor		x 2
Component Monitor		x 1
Composite Monitor		x 1
Composite (DVR/ Zone2)		x 2
Audio Preout		11 ch
(FL/ FR/ C/ SL/ SR/ SBL/ SBR/ FHL/ FHR/ FWL/ FWR)		
Audio Preout (SW)		x 2
Audio Preout (Zone2 L/R, Zone3 L/R)		x 2
Audio REC out		x 1
Phones		x 1
Digital Optical		x 1
Other		
USB port		x 2 (selectable)
Ethernet		x 1
Microphone Port		x 1
Dock Control Port		x 1
FM Tuner Antenna		x 1
AM Tuner Antenna		x 1
Remote Control In/Out		In 1 / Out 1
RS-232C		x 1
DC12V 150mA MAX. trigger out		x 2

Notes:

*1 Update distribution via network connection is slated to start around autumn, 2010.

Main Specifications

Power amplifier section

Rated output	*THD figures are power amp stage values. 140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 170 W + 170 W (6 ohms, 1 kHz, THD 0.7%)
Centre	140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 170 W (6 ohms, 1 kHz, THD 0.7%)
Surround L/R	140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 170 W + 170 W (6 ohms, 1 kHz, THD 0.7%)
Surround Back L/R	140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 170 W + 170 W (6 ohms, 1 kHz, THD 0.7%)
Front Height/Front Wide	140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 170 W + 170 W (6 ohms, 1 kHz, THD 0.7%)

Preamplifier section

Input sensitivity/impedance	200 mV / 47 kΩ/kohms
Frequency response	10 Hz - 100 kHz - +1, -3 dB (DIRECT mode)
S/N Ratio	102 dB (IHF-A weighted, DIRECT mode)

FM section

Tuning frequency range	87.5 - 108 MHz
Usable sensitivity	1.2 μV (12.9 dBf)

AM section

Tuning frequency range	522 - 1611 kHz
Usable sensitivity	18 μV

General

Power supply	AC 230 V, 50 Hz
Power consumption	780 W (Standby 0.1 W)
Dimensions (W x H x D)	434 x 171 x 414 mm
Weight	17.3 kg

Design and specifications are subject to change without notice.

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**Made for iPod, and "Made for iPhone," mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.

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*Premium silver version is also available.

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