

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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*Premium silver version is also available.

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