

# AVR-4311

AV Surround Receiver

# 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 the latest HDMI version, 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 up to a 11.2 system. This gives you 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.

**100<sup>th</sup>**  
Anniversary  
since 1910

www.denon100.com



Premium Silver



Black



### Features

#### New Features

- Featuring 3D pass-through technology
- Supports HDMI with 3D, Audio Return Channel, Deep Color, "x.v.Color", Auto Lipsync and HDMI control function
- Audyssey MultEQ XT 32 and Auto Setup
- Independent subwoofer outputs 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 and flickr online support (last.fm is not available in all countries)
  - "Party Mode Plus"(\*1)
  - FLAC HD, High-resolution audio format
  - Compatible with Windows® 7
  - Web control
- "Denon Remote App" for iPhone, iPod Touch and iPad (available in AppStore)
- AirPlay wireless music streaming. When AVR-4311 and your Mac or PC are on the same network, you can easily stream music from iTunes to AVR-4311. (requires software upgrade, a fee is charged)
- 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



"Denon Remote App" for iPhone, iPod Touch and iPad (available in AppStore)

### One-cable HD solution

- Supports HDMI 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) and 2.2W (CEC-Standby)

Notes:

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

### Ports

In		
HDMI (incl. 1 Front)		x 7
Component		x 3
S-Video		x 2
Composite (Video) (incl. 1 Front)		x 5
Analogue Audio (Tuner and Front included)		x 9
Analogue EXT. Input		7.1 ch
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

### Main Specifications

Power amplifier section		Preamplifier section	
Rated output	*THD figures are power amp stage values.	Input sensitivity/impedance	200 mV / 47 kΩ/kohms
Front L/R	170 W + 170 W (6 ohms, 1 kHz, THD 0.7%) 140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %)	Frequency response	10 Hz ~ 100 kHz - +1, -3 dB (DIRECT mode)
Centre	170 W (6 ohms, 1 kHz, THD 0.7%) 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %)	S/N Ratio	102 dB (IHF-A weighted, DIRECT mode)
Surround L/R	170 W + 170 W (6 ohms, 1 kHz, THD 0.7%) 140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %)	<b>FM section</b>	
Surround Back L/R	170 W + 170 W (6 ohms, 1 kHz, THD 0.7%) 140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %)	Tuning frequency range	87.5 - 108 MHz
Front Height/Front Wide	170 W + 170 W (6 ohms, 1 kHz, THD 0.7%) 140 W + 140 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %)	Usable sensitivity	1.2 μV (12.9 dBf)
		<b>AM section</b>	
		Tuning frequency range	522 - 1611 kHz
		Usable sensitivity	18 μV
		<b>General</b>	
		Power supply	AC 230 V, 50 Hz
		Power consumption	780 W (Standby 0.1W, CEC-Standby 2.2W)
		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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### EAN

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AVR4311SPE2	45821 16365809

