

AVR-1611

AV Surround Receiver

100th
Anniversary
since 1910

DENON

A/V Home Theater Receiver with 3D Video Connectivity

Designed to be the centerpiece of an exciting home theater system, the AVR-1611 is one of the first to include the latest HDMI 1.4a technology, which for the first time provides for 3D pass-through (Broadcast and Blu-ray) capability, delivering thrilling 3D high definition viewing with 3D-compatible HDTVs. With 4 HDMI inputs, the AVR-1611 also features upconversion of standard definition signals to HDMI output, allowing a single cable run to the TV, minimizing costs and reducing complexity. In addition to the latest high resolution audio decoders including Dolby TrueHD and DTS-HD Master Audio, the AVR-1611 also features Dolby Pro Logic IIz, which allows front height effects for a dramatically expanded front soundstage. Setup is both fast and easy, thanks to Audyssey MultEQ automatic setup and room acoustic correction system. The remote control features built-in codes for hundreds of other A/V components, and the AVR-1611 includes a handy on-screen guide to programming the remote to operate other equipment in your home theater system.



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
- Fully discrete, identical quality and power for all 7 channels (75 W x 7ch)
- 4 x HDMI in / 1 x HDMI out (Repeater)
- Newly developed pre-memory remote control handset with Glo-Key buttons
- Remote Setup Guidance via On-Screen Display

One-cable HD solution

- Supports HDMI 1.4a with Audio Return Channel
- All sources are up-converted to HDMI
- 4 x HDMI in / 1 x HDMI out with On-Screen Display

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

- Stable power supply for high-quality sound and picture playback
- High definition audio support, Dolby TrueHD and DTS-HD Master Audio
- Supports Dolby Pro Logic IIz processing with front height effects channels
- All sources are up-converted to HDMI

Connectivity & Future-ready Expandability

- Power Amp Assign function, for system configuration flexibility, allowing surround back, front height effects, and 2nd zone multi-room configuration
- Dock connectivity for iPod® and network streaming

Ease-of-Use

- On-Screen Display
- Audyssey Dynamic Volume, for real-time volume adjustment
- Audyssey MultEQ and Auto Setup
 - Tower type microphone for more accurate measuring
 - Up to six measurement points
 - High level resolution filters for satellite speakers and also subwoofer

Others

- Lower power consumption at stand-by 0.1 W (Standby)

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

- Fully discrete, identical quality and power for all 7 channels (75 W x 7ch)

To faithfully reproduce the original surround sound, each of the AVR-1611's 7 channels is equipped with the same power amp of equal power. Since these power amps also use discrete circuits configured with parts strictly selected for their contribution to high sound quality, rather than with low-cost integrated circuits (ICs), the surround sound playback is of impeccably high quality.

- Featuring 3D pass-through technology

By connecting a 3D-compliant Blue-ray disc player and 3D-compliant TV to the AVR-1611, you will have a 3D home theatre where you can enjoy high-definition sound and video on a level you've never experienced before.

- Supports HDMI 1.4a with 3D, Audio Return Channel, Deep Color, "x.v.Color", Auto Lipsync and HDMI control function

When you connect the AVR-1611 to a TV with a single HDMI cable, it supports Audio Return Channel (ARC)^(*) that can play back the TV audio in surround sound. Until now, if you wanted to enjoy surround sound from a TV, you needed to use an optical digital cable or coaxial digital cable to bring sound from the TV to the A/V receiver. The AVR-1611's ARC feature, however, helps you keep cable connections neat and out of the way as you build your home theatre.

*1: The TV must also support ARC.

- High-definition audio support

The AVR-1611 features a precision 32 bit floating point DSP decoder, and includes high resolution audio formats such as Dolby TrueHD and DTS-HD Master Audio, found on many Blu-ray discs.

- Dolby Pro Logic IIz

To let you enjoy an even richer spatial presentation, the AVR-1611 is equipped with the Dolby Pro Logic IIz decoder. By connecting Front Height speakers and using Dolby Pro Logic IIz playback, you will be able to enjoy surround sound in the vertical as well as horizontal direction.

- Minimum Signal Path for clear audio and video signal

The "simple and straight" design concept has been thoroughly implemented in the signal paths to contribute to immaculately clean audio and video playback. Signal paths are as short as possible to keep signal degradation in the audio and video circuitry to an absolute minimum.

- Direct Mechanical Ground Construction, embodying concepts for thorough vibration resistance

Vibration-resistant construction has been reviewed to thoroughly suppress the adverse influences of vibration on sound quality. The power transformers, a source of vibration, have been securely mounted on the highly rigid bottom chassis. Direct mounting of cast-iron feet to the radiator in near proximity to each other serves to suppress mutual vibration with the power transformers and other sources of vibration.

- Compressed Audio Restorer to enhance digital music files

Connectivity & Future-ready Expandability

- 4 x HDMI in / 1 x HDMI out (Repeater)

The AVR-1611 provides 4 HDMI inputs that let you simultaneously connect a variety of HDMI-equipped devices such as a game console and HD video camera as well as Blu-ray disc player.

- Power Amp Assign function, for versatility in using the AVR-1611 for different purposes

The AVR-1611 supports up to 7.1 channels (FL/ FR/ C/ SL/ SR/ SBL/ SBR/ SW) for surround playback defined by the Blu-ray disc format. To enjoy surround playback with the AVR-1611's Dolby Pro Logic IIz, you can reassign the power amp from the two surround back channels (SBL/ SBR) to the two front high channels (FHL/FHR). These are just some of the ways you can arrange the AVR-1611's amps to suit various listening styles.

- Dock connectivity for iPod and network streaming

Network music can be enjoyed via the Denon Networked Control Dock. (Requires separately-sold ASD-51W or ASD-51N.)

Ease-of-use

- On-Screen Display

With the AVR-1611's on-screen display, you can easily make settings for your home theatre system while viewing menus on the TV screen. You can check the status of each setting, such as the volume level when you're adjusting the volume, or the name of the input source when switching input sources.

- Newly developed pre-memory remote control handset with Glo-Key buttons
- Remote Setup Guidance via On-Screen Display
- Three Quick Select buttons
- Auto surround mode
- 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

Main Specifications	
Power amplifier section	Preamplifier section
Rated output	Input sensitivity/impedance
Front L/R	75 W + 75 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %)
Center	Frequency response
75 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %)	10 Hz - 100 kHz — +1, -3 dB (DIRECT mode)
Surround L/R	S/N Ratio
110 W + 110 W (6 ohms, 1 kHz, THD 0.7%)	98 dB (HF-A weighted, DIRECT mode)
Surround Back L/R	FM section
75 W + 75 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %)	Tuning frequency range
110 W + 110 W (6 ohms, 1 kHz, THD 0.7%)	87.5 - 107.9 MHz
	Usable sensitivity
	1.2 µV (12.8 dBf)
	AM section
	Tuning frequency range
	520 - 1710 kHz
	Usable sensitivity
	18 µV
	General
	Power supply
	AC 120 V, 60 Hz
	Power consumption
	450 W (Standby 0.1 W)
	Dimensions (W x H x D)
	17-3/32" x 6-47/64" x 15"
	Weight
	434 x 171 x 381 mm
	22 lbs 7.8 oz, 10.2 kg

Ports

In		
HDMI		x 4
Component		x 1
S-Video		x 1
Composite (Video)		x 3
Analog Audio (Tuner included)		x 5
Digital Optical		x 1
Digital Coaxial		x 1
Out		
HDMI Monitor		x 1
Composite Monitor		x 1
Audio Preout (SW)		x 1
Phones		x 1
Other		
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



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*HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

*Audyssey MultEQ™ is a registered trademark of Audyssey Laboratories. Audyssey Dynamic EQ™ is a trademark of Audyssey Laboratories.

Audyssey Dynamic Volume™ is a trademark of Audyssey Laboratories.

*iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

*Power Amp Assign function, for versatility in using the AVR-1611 for different purposes

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