

# AVR-1513

AV Surround Receiver

# DENON

## Enjoy 3D Video Entertainment with Dynamic Surround Sound

The AVR-1513 5.1-channel A/V receiver uses discrete circuitry in its power section, allowing you to thoroughly enjoy the powerful surround sound of the latest movies in 3D. The AVR-1513 provides a generous supply of 4 HDMI inputs, including 1 on the front. These inputs can be used to connect mobile devices such as a camcorder or tablet, allowing you to immediately enjoy videos, photos, and music. Since the AVR-1513 also has proprietary Denon Compressed Audio Restorer Technology to restore the quality of compressed sound sources, you can connect your portable audio player to the stereo mini jack on the front panel and enjoy music from your player in beautiful, rich sound quality. The AVR-1513 A/V receiver makes it easy for just about anyone to enjoy home theater entertainment.



### Features

#### New Features

- Convenient HDMI port on the front for connecting a camcorder or other device
- Front display with large, easy-to-read characters
- Less depth for an easier installation

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

- Fully discrete, identical quality and power for all 5 channels (110 W x 5 ch)
- Stable power supply for high-quality sound and picture playback
- High-performance 192kHz/24-bit D/A converters for all channels
- Featuring 3D pass-through technology
- High definition audio support, Dolby TrueHD and DTS-HD
- Minimum Signal Path for clear audio and video signal
- Direct Mechanical Ground Construction, embodying concepts for thorough vibration resistance
- Denon's proprietary Compressed Audio Restorer, to restore sound quality from compressed music sources

#### Connectivity & Future-ready Expandability

- Supports HDMI with 3D, Deep Color and x.v.Color
- 4 x HDMI in (1 on front panel) / 1 x HDMI out
- Stereo Mini Jack on front panel lets you connect any portable audio player

#### Ease-of-Use

- Easy operation, GUI (Graphical User Interface)
- GUI overlay on HDMI Source
- Four quick select buttons, for easy operation
- Comes with simple, easy-to-use remote control handset
- Sleep Timer, set up to 120 minutes in 10-minute increments
- Auto surround mode
- Audio level memory, capable of correcting different signal levels for each input device
- Standby HDMI Pass through
- Auto Standby

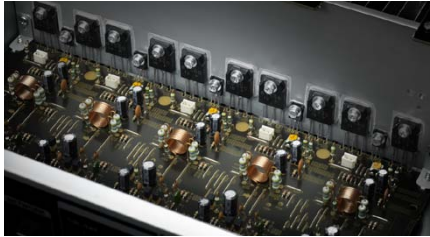
#### Others

- Audio Delay function
- Muting level settings (Full/-40dB/-20dB)
- Variable subwoofer crossover switching
- Lower power consumption at stand-by 0.5 W (Standby)

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

- Fully discrete, identical quality and power for all 5 channels (110 W x 5 ch)

To faithfully reproduce the original surround sound, each of the AVR-1513's 5 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 Blu-ray disc player and 3D-compliant TV to the AVR-1513, you will have a 3D home theater where you can enjoy high-definition sound and video on a level you've never experienced before.

- High-definition audio support

The AVR-1513 has a decoder that supports Dolby TrueHD, the audio format of Blu-ray disc players, and DTS-HD, another high-grade digital audio format.

- 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 feet to the radiator in near proximity to each other serves to suppress mutual vibration with the power transformers and other sources of vibration.

- Denon's proprietary Compressed Audio Restorer, to restore sound quality from compressed music sources

## Connectivity & Future-ready Expandability

- Supports HDMI (3D, Deep Color, x.v.Color)

The HDMI ports on the AVR-1513 support transmission of a variety of video formats including 3D video as well as Deep Color and x.v.Color that express the beautiful images of full high definition. These ports let you enjoy sound and video programs recorded not only on Blu-ray discs but various other types of media, too.

- Stereo Mini Jack on front panel lets you connect any portable audio player

Compressed Audio Restorer is Denon technology that restores compressed music sources to their original pre-compressed quality to give you a lively sonic ambience with greater detail and depth.

## Ease-of-use

- GUI overlay on HD Source

You can easily make settings for your home theater system while viewing menus on the TV screen. These menu displays can also be output to the monitor over HDMI.

- Four quick select buttons, for easy operation

With the Quick Select buttons, you can preset volume levels for the sources you most frequently use. Then when you use one of the buttons to select a source, it is ready to play using the same settings each time.

- Sleep Timer, set up to 120 minutes in 10-minute increments

When you set the Sleep Timer and listen to music before you fall asleep, the AVR-1513 will automatically go into standby mode in the time that you set.



Convenient HDMI port on the front

## Main Specifications

### Power amplifier section

Rated output	*THD figures are power amp stage values.
Front L/R	75 W + 75 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %) 110 W + 110 W (6 ohms, 1 kHz, THD 0.7%)
Center	75 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %) 110 W (6 ohms, 1 kHz, THD 0.7%)
Surround L/R	75 W + 75 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %) 110 W + 110 W (6 ohms, 1 kHz, THD 0.7%)

### Preamplifier section

Input sensitivity/impedance	200 mV / 47 kohms
Frequency response	10 Hz - 100 kHz - +1, -3 dB (DIRECT mode)
S/N Ratio	98 dB (IHF-A weighted, DIRECT mode)

### FM section

Tuning frequency range	87.5 - 107.9 MHz
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### AM section

Tuning frequency range	520 - 1710 kHz
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### General

Power supply	AC 120 V , 60 Hz
Power consumption	330 W (Standby 0.5 W)
Dimensions (W x H x D)	17 3/32" x 5 15/16" x 12 9/16" 434 x 151 x 319 mm
Weight	17 lbs 3.1 oz, 7.8 kg

### Ports

In		
HDMI (front 1)		x 4
Composite (Video)		x 2
Analog Audio		x 2
Stereo Mini input for Portable		x 1
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
Others		
FM Tuner Antenna		x 1
AM Tuner Antenna		x 1

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