

AVR-1312

AV Surround Receiver

100th
Anniversary
since 1910

DENON

Enjoy 3D Video Entertainment with Dynamic Surround Sound

The AVR-1312 5.1-channel HD-Audio receiver gives you an exciting 3D theater experience with powerful surround sound when you connect it to a TV and Blu-ray disc player that supports 3D video. Its Compressed Audio Restorer technology lets you enjoy a rich sound from a portable audio player when you connect it to the stereo mini jack on the AVR-1312's front panel. And it has Quick Select buttons you can use to one-touch select a frequently-used video source or surround mode. Icons on the buttons let you easily recognize each button's function.



HDMI

3D

Personal Memory Plus

Features

New Features

- Easy operation, Graphical User Interface
- GUI overlay on HDMI Source
- Four quick select buttons, for easy operation

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
- Featuring 3D pass-through technology
- High definition audio support, Dolby TrueHD and DTS-HD Master Audio
- Minimum Signal Path for clear audio and video signal
- Direct Mechanical Ground Construction, embodying concepts for thorough vibration resistance
- Compressed Audio Restorer to enhance digital music files

Connectivity & Future-ready Expandability

- Supports HDMI (V.1.4a with 3D), Deep Color, "x.v.Color"
- 4 x HDMI in / 1 x HDMI out
- Stereo Mini Jack on front panel lets you connect any portable audio player
- Dock connectivity for iPod® and network streaming

Ease-of-Use

- Comes with simple, easy-to-use remote control handset
- Sleep timer function
- Auto surround mode
- Audio level memory, capable of correcting different signal levels for each input device

Others

- Audio Delay function (max. 6 frames or 200 msec)
- 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-1312'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-1312, 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-1312 has a decoder that supports Dolby TrueHD, the audio format of Blu-ray disc players, and DTS-HD Master Audio, 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.

- Compressed Audio Restorer to enhance digital music files

Connectivity & Future-ready Expandability

- Supports HDMI (V.1.4a with 3D), Deep Color, "x.v.Color"

- 4 x HDMI in / 1 x HDMI out

The AVR-1312 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.

- 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.



- Dock connectivity for iPod and network streaming

Network music can be enjoyed via the Denon Networked Control Dock. (Requires separately-sold ASD-3N, ASD-51W or ASD-51N.)



Ease-of-use

- Easy operation, Graphical User Interface

- GUI overlay on HDMI 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.

- Easy operation via icon displays

The AVR-1312 includes one-touch Quick Selection buttons that let you instantly select frequently-used video/music sources and surround modes. Icon displays on the buttons make it easy to recognize the buttons' functions.



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

AM section	
Tuning frequency range	520 - 1710 kHz

General	
Power supply	AC 120 V , 60 Hz
Power consumption	330 W (Standby 0.5 W)
Dimensions (W x H x D)	17 1/8" x 6 3/8" x 15 3/64"
	434 x 162 x 382 mm
Weight	19 lbs 13.5 oz, 9.0 kg

Ports

In		
HDMI		x 4
S-Video		x 1
Composite (Video)		x 3
Analog Audio (included front 1)		x 4
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 (Surround Back L/R, SW)		x 2
Phones		x 1
Other		
Dock Control Port		x 1
FM Tuner Antenna		x 1
AM Tuner Antenna		x 1

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