AVR-1613

Integrated Network AV Receiver

DENON

Enjoy Advanced Network Functions, too, in these Versatile 5.1-channel A/V Receivers

The AVR-1613 allows you to enjoy not only the dynamic surround sound of the latest 3D videos in a 5.1-channel home theater but a variety of advanced network functions as well. These functions let you to listen to Internet radio or play music files stored on a shared hard disk (NAS) or PC. Since the AVR-1613 also supports AirPlay®, you can listen to music content from the iTunes® library in your iPad®, iPhone®, iPod®, iPod touch®, or PC/Mac via the network. In addition, if you download the new Denon Remote App to your iPad, iPhone, iPod touch, or an Android smartphone, you can use the device to operate the main controls of the AVR-1613.

Features

New Features
- **The plenty of network capabilities and functions allow you to enrich your entertainment world including:**
  - AirPlay
  - DLNA 1.5 certified
  - Windows 7 compatible
  - Internet radio
  - SiriusXM Internet Radio, Pandora
  - Photo streaming
  - flickr
  - FLAC HD, High-resolution audio file playback
- **Support new "Denon Remote App" to simplify operation by Android & iOS tablet/smartphone**
- **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 (120 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
- Digitally transmitted Play function for iPod and iPhone (via USB) for best sound quality
- Denon's proprietary Compressed Audio Restorer, to restore sound quality from compressed music sources

Connectivity & Future-ready Expandability
- Supports HDMI with 3D, Audio Return Channel, Deep Color, x.v.Color, Auto Lipsync and HDMI control function
- 5 x HDMI in (1 on front panel) / 1 x HDMI out

Ease-of-Use
- Setup Assistant, providing easy-to-follow setup instructions
- Audyssey Dynamic Volume®, for real-time volume adjustment
- Audyssey DynamicEQ, improves surround effects during low volume levels
- Audyssey MultEQ, automatically sets the speakers to suit the room's listening environment and the speakers' characteristics
- Comes with simple, easy-to-use remote control handset
- Sleep Timer, set up to 120 minutes in 10-minute increments
- 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 0.1 W (Standby)

Made for iPod iPhone

AirPlay

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

• Fully discrete, identical quality and power for all 5 channels (120 W x 5 ch)

To faithfully reproduce the original surround sound, each of the AVR-1613'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-1613, 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-1613 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.

Connectivity & Future-ready Expandability

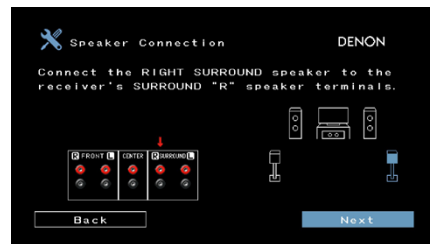### • 5 x HDMI in (1 on front panel) / 1 x HDMI out

The AVR-1613 provides a generous supply of 5 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.

Ease-of-use

• Setup Assistant, providing easy-to-follow setup instructions

First select the language when prompted. Then simply follow the instructions displayed on the TV screen to set up the speakers and so on.

• Easy operation, Graphical User Interface

• 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.

• 4 Quick Select buttons

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.

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 %)
	120 W + 120 W
	(6 ohms, 1 kHz, THD 0.7%)
Center	75 W
	(8 ohms, 20 Hz - 20 kHz, THD 0.08 %)
	120 W
	(6 ohms, 1 kHz, THD 0.7%)
Surround L/R	75 W + 75 W
	(8 ohms, 20 Hz - 20 kHz, THD 0.08 %)
	120 W + 120 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	98 dB (IHF-A weighted, DIRECT mode)

FM section

Tuning frequency range	87.5 - 107.9 MHz

General

Power supply	AC 120 V , 60 Hz
Power consumption	360 W
	(Standby 0.1 W, CEC standby 0.5 W)
Dimensions (W x H x D)	17 3/32" x 5 15/16" x 12 61/64"
	434 x 151 x 329 mm
Weight	18 lbs 1 oz (8.2 kg)

Ports

In	HDMI (Front 1)	x 5
	Composite (Video)	x 2
	Analog Audio	x 2
	Digital Audio (Optical)	x 1
	Digital Audio (Coaxial)	x 1
Out	HDMI Monitor	x 1
	Composite (Video) Monitor	x 1
	Audio Preout (SW)	x 1
	Phones	x 1
Others	Network (Ethernet)	x 1
	USB	x 1
	FM Tuner Antenna	x 1
	Setup mic jack	x 1