

AVR-2312

Integrated Network AV Surround Receiver

100th
Anniversary
 since 1910

DENON

Support AirPlay and Network Functions

The AVR-2312 is equipped with built-in AirPlay to let you easily stream your favourite music from an iPad, iPhone, iPod touch, or from the iTunes music library on your computer. This receiver also includes a high-performance I/P converter and scaler that let you take full advantage of your HD TV to view beautiful images with more detail.



J-NetWork napster. flickr™ lost.fm **RDS** RadioTEXT

DOLBY TRUEHD PRO LOGIC IIz **dts-hd** Master Audio **DSDV** PRECISION VIDEO **HDMI** **AUDYSSEY** MULTIEQ XT DYNAMIC VOLUME **3D** Multi Zone Home Entertainment Component Personal Memory Plus **CINEMA** Ed

Features

New Features

- AirPlay built in
- Enhance network capability⁽¹⁾
 - Internet Radio and network audio/photo streaming via Ethernet
 - Last.fm, Napster and Flickr online support
 - 'Party Mode Plus'
 - FLAC HD, High-resolution audio format
 - Compatible with Windows 7
 - web control
- Supports "Denon Remote App" to simplify operation by an iPhone/ iPod touch
- Internet Radio and Preset buttons, for quick, easy enjoyment of Internet radio
- Four quick select buttons, quick access to frequently-used video or music sources
- Setup Wizard, providing easy-to-follow setup instructions
- Easy operation, Graphical User Interface with overlay on HD and 3D sources
- 7-HDMI inputs and 1-output



*An image of Denon Remote App



*An image of Setup Wizard



*An image of OverLay GUI

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

- Fully discrete, identical quality and power for all 7 channels (135 W x 7 ch)
- Stable power supply for high-quality sound and picture playback
- Supports HDMI (V.1.4a with 3D, Audio Return Channel) Deep Color, "x.v.Color", Auto Lipsync and HDMI control function
- High definition audio support, Dolby TrueHD and DTS-HD Master Audio
- Supports Dolby Pro Logic IIz processing
- Dual subwoofers preout
- Picture Adjust
- I/P Converter and Scaler up to 1080p

Connectivity & Future-ready Expandability

- Direct play for iPod and iPhone via USB
- Power Amp Assign function, for versatility in using the AVR-2312 for different purpose (Surround Back, Front Height, Zone 2, Bi-Amp, Front Speaker B)

Ease-of-Use

- Audyssey Dynamic Volume for real-time volume adjustment
- Audyssey MultEQ XT and Auto Setup

Others

- Lower power consumption at stand-by 0.1 W (Standby)
- Control4, AMX or Crestron third party control support



Made for



iPod



iPhone

More Features

• Fully discrete, identical quality and power for all 7 channels (135 W x 7ch)

To faithfully reproduce the original surround sound, each of the AVR-2312's 7 channels is equipped with the same power amp of equal power. Since these power amps also use discrete rcuits 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-2312, you will have a 3D home theatre where you can enjoy high-definition sound and video on a level you've never experienced before.

• 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

Denon's audio technology for MP3, WMA and MPEG-4 AAC compressed format to reproduce higher frequency range and deeper bass sound. This technology provides better sound for internet radio, iPod or iPhone.

• Support AirPlay and Network Functions

When connected to a network, the AVR-2312 can play audio files and still images such as photographs that are stored on your computer. You can also listen to internet radio and a host of other online music sources that use network technology. The AVR-2312 also supports AirPlay that lets you stream your music library from an iPhone, iPad, iPod touch, or iTunes.

• Picture Adjust

You can adjust the picture quality and reduce any noise appearing on the TV. (Contrast, Brightness, Chroma level, Hue, Reduce overall picture noise, Emphasise picture contours)

• 2 source / 2 zone output + 1 dedicated pre out

The AVR-2312 lets you enjoy a program source in the Main Zone (the room where the AVR-2312 is located) and in Zone 2 (another room). The source can be the same for both zones, or you can enjoy different sources in those zones if you prefer. The AVR-2312 even has a separate preamp for Zone 2 that lets you connect an independent power amp in that room.

• 2-line fluorescent display on front panel

• Pre memory remote control handset with Glow-Key

• Remote Setup Guidance

• Auto surround mode

• Sleep timer function

• Audio Delay function (0 to 200 msec)

• Muting level settings (Full / -40 dB / -20 dB)

• Audio level memory, capable of correcting different signal levels for each input device

• Variable subwoofer crossover switching

• Trigger output (150 mA)

*1) Requires contract with Internet service provider

Main Specifications

Power amplifier section

Rated output	*THD figures are power amp stage values.
Front L/R	105 W + 105 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %) 135 W + 135 W (6 ohms, 1 kHz, THD 0.7%)
Centre	105 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %) 135 W (6 ohms, 1 kHz, THD 0.7%)
Surround L/R	105 W + 105 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %) 135 W + 135 W (6 ohms, 1 kHz, THD 0.7%)
Surround Back L/R	105 W + 105 W (8 ohms, 20 Hz - 20 kHz, THD 0.08 %) 135 W + 135 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	100 dB (IHF-A weighted, DIRECT mode)

FM section

Tuning frequency range 87.5 - 108.0 MHz

AM section

Tuning frequency range 522 - 1611 kHz

General

Power supply	230 V, 50 Hz
Power consumption	600 W (Standby 0.1 W, CEC standby 2.2 W)
Dimensions (W x H x D)	434 x 167 x 382 mm
Weight	11.0 kg

Ports

In	HDMI (included front 1)	x 7
	Component	x 2
	S-Video	x 2
	Composite (video) (included front 1)	x 4
	Analog Audio (included front 1)	x 7
	Digital Optical	x 2
	Digital Coaxial	x 2
Out	HDMI Monitor	x 1
	Component	x 1
	Composite Monitor	x 2
	Audio Preout (SW)	x 2
	Audio Preout (L/R)	x 1
	Audio Recout (L/R)	x 1
	Phones	x 1
Other	Ethernet	x 1
	USB port	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
	RC232C	x 1
	DC12 V 150 mA MAX. trigger out	x 1



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