

A desire of audiophiles . . . Premium picture and sound quality.

A new idea from Denon. A Blu-ray Disc / DVD Surround Receiver not seen anywhere else. Richly endowed with high-quality HD sound and video technology developed for Denon's high-end gear. The CARA features a highly accurate mechanism newly developed for Denon's high-end Blu-ray disc player, impeccable craftsmanship and engineering that have for many years featured in Denon's audio and home theatre systems, and other state-of-the-art technologies that provide uncompromising support for exceptional HD audio and video playback quality. An advanced intelligent system automatically detects the number and characteristics of speakers in your setup to achieve optimum performance for the acoustics of your room whether you are using a 2.1-channel or a 5.1-channel speaker system. This single CARA component ensures you experience total enjoyment from pure stereo playback to full-fledged cinematic sound. Another important feature of the CARA is its ability to become an Audiophile Quality Smart System that not only lets you connect an iPod or USB memory player to listen to tracks from those devices but also provides plug-'n'-play features, intuitive operation via a GUI, and automatic selection of a surround mode that matches the source being played.



























Features

Key Concept

- Audio and video engineering design of high-end components, premium HD audio & video quality
- Speaker flexibility
- Digital content friendliness
- Smart & simple concept

Audio and video engineering design of high-end components, premium HD audio & video quality

Support for HD audio formats:

Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio, Support for latest surround formats: Dolby Virtual Speaker and Dolby Pro Logic IIz.

• Denon's original high-end Blu-ray disc drive mechanism, for faithful reading and accurate playback of high-definition AV signals from Blu-ray disc

. Denon craftsmanship, in assiduous pursuit of the ideal in A/V playback devices

- Direct Mechanical Ground Construction, supporting high-quality HD sound and video by suppressing vibration
- Independent Block Construction, to faithfully reproduce video and audio signals by guarding against electromagnetic noise caused by different electric signals
- Simple & Straight Signal Path and Minimum Signal Path, for clean and pure AV signal transfer
- Independent power supplies for each stage (Digital, Power amplifier, and Pre-amplifier stages) to achieve clean, stable performance and lower standby power.
- Independent high-density PWBs, to preserve signal purity during transfer

· Denon's pure audio technologies

- Amplifier stage that achieves playback with uniform response and quality across all channels, amply meeting expectations for high-quality sound from Blu-ray disc
- Amplifier circuit that reproduces music with superior sense of speed and rich ambience
- Newly-developed power stage with outstanding traceability for sudden bursts of sound

· Video technologies inherited from Denon's high-end components

- 1080p/24 video output, for realistic reproduction of tactility in films
- Support for Deep Color and "x.v.Color", to amply reproduce the colours of HD quality from Blu-ray disc

Advanced Denon technologies

AL24 Processing: Analogue waveform reproduction technology AL24 Processing interpolates signals that have been lost when the source was recorded as digital data and reproduces the original analogue waveform. By producing an analog waveform that is as close as possible to the one that existed when the digital recording was made, it is possible to enjoy the realism of a concert hall, for instance, where the music contains reverberations and other delicate details.

Compressed Audio Restorer, to enhance digital music files During playback of compressed audio sources such as WMA and MP3, Compressed Audio Restorer interpolates data that has been lost during compression in order to restore the original condition as closely as possible and correct the sense of volume in the low range. When these audio files are played through the CARA, it is possible to enjoy a quality of sound that is very close to the original prior to compression.

Speaker Flexibility

- Drivability of full-bandwidth speakers from 4 to 16 ohms
- Audyssey MultEQ®, to optimise speaker characteristics and room acoustics

Audyssey MultEQ counts the number of speakers you have connected and analyses the characteristics of both the speakers and the room's acoustics to automatically make the optimal acoustic settings for your listening environment. Highquality sound can be enjoyed from all types of speakers.

• 2.0/2.1-channel Dynamic Play Mode, to automatically assign surround channel amplifiers to the front channel amplifiers and achieve a more dynamic, full-bodied sound for the sound source being played

Digital Content Friendliness

Supports HDMI 1.4

(v. 1.4 with Audio Return Channel/ Deep Color, "x.v.Color" / Auto Lipsync) (repeater))

• Front inputs for iPod, USB memory player, digital camcorder via HDMI, and SD card



- · HDMI inputs for STB and video games on back panel
- BD-Live support (Profile 2.0)
- · Network music ready

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

Smart & Simple Concept

- Plug 'n' Play, that immediately starts playback when an iPod or USB memory is connected
- · First Setup function

The "First Setup" function becomes active when power to the CARA is turned on for the first time. At this time, the CARA makes careful measurements and analyses of your room's acoustics and speakers' characteristics to make optimum acoustic settings. The CARA not only saves you from the complicated process of making settings manually, it also performs them more easily and with greater accuracy.

- · Automatic Sound Mode, that automatically switches to stereo sound when you're listening to music sources, or to surround sound when you're enjoying video programs. Compressed Audio Restorer automatically operates when you play compressed music sources
- Advanced GUI (Graphical User Interface), for easy, intuitive operation

Audyssey Dynamic Volume[™] & Dynamic EQ[™]

Dynamic Volume solves the problem of large variations in volume level between television programs, commercials, and between the soft and loud passages of movies.

Dynamic EQ solves the problem of deteriorating sound quality as volume is decreased by taking into account human perception and room acoustics.

Unique "Stag Beetle Door"

Open the door when connecting an iPod, and close it again to hide the cable for an uncluttered appearance.





· Remote Control Unit with buttons designed for easy operation

Frequently-used buttons are arranged on the front, while buttons used less frequently are placed on the rear. Frequently-used buttons are also larger and given different colours for easy identification.

One Touch Play function (*1) (*2)

The remote control unit includes a One Touch Play button that automatically turns on power to the TV, switches the TV's input line, and immediately starts the movie

- *1) Requires TV that supports HDMI CEC (Consumer Electronics Control).
- *2) This function may not work with some settings on other devices
- Remote Setup Guidance

The CARA's remote control unit can be preset while viewing the TV screen so that it also operates the A/V devices of other manufacturers. It does not require the trouble of entering each code one by one based on instructions in the manual.

Others

Custom Install features

- 2 Source 2 Zone
- IR Remote in/out ports
- AMX, Crestron third party control support with RS-232C port
- 150mA Trigger output









Ports		
IN	HDMI	x 3 (incl. 1 on front panel)
	S-Video	x 1 (for iPod)
	Analogue audio	x 2
	Digital optical	x 2
	Digital coaxial	x 1
OUT	HDMI (repeater)	x 1
	Composite	x 1 (for Zone2)
	Analog audio	x 1 (for Zone2)
	Analog Preout	x 1 (2.1ch, SBL/SBR/SW)
	Phones	x 1 (on front panel)
Others	FM tuner antenna	x 1
	AM tuner antenna	x 1
	USB	x 1 (on front panel)
	SD card	x 1 (on front panel)
	Dock control	x 1
	Setup microphone	x 1 (on front panel)
	Ethernet	x 1
	Trigger	x 1 (DC12V 150mA MAX.)
	RS-232C	x 1
	Remote In/Out	x 1 / x 1

Specifications

Playable discs

BD-Video, DVD-Video, DVD-R, DVD-RW, DVD+R, DVD+RW, CD, CD-R, CD-RW

Playable discs for PC file

CD-R, CD-RW, DVD-R, DVD-RW

Playable file

AVCHD DVD-R/ DVD-RW DivX

MP3, WMA, JPEG

DVD-R/DVD-RW/ CD-R/ CD-RW DVD-R/ DVD-RW/ CD-R/ CD-RW/ SD Memory Card (including SDHC)/ miniSD Card/ microSD Card (*3)

*3) Requires separately-sold miniSD Card and microSD Card adapter

Applicable memory cards

SD memory card, SDHC memory card

Player section

Signal system PAL/NTSC

Amplifier section

Rated output *THD figures are power amp stage values 75 W + 75 W (4 ohms, 1 kHz, THD 0.7%) Front L/R Center 75 W (4 ohms, 1 kHz, THD 0.7%) 75 W + 75 W (4 ohms, 1 kHz, THD 0.7%) Surround L/R 4 - 16 ohms (Front / Center / Surround) Speaker impedance 150 mV/47 kΩ (Analog audio) Input sensitivity/Input

mpedance Tuner section

FM

87.5 - 108.0 MHz Frequency range Effective sensitivity 1.5 µV/75 ohm (14.7 dBf)

AΜ

Frequency range 522 - 1611 kHz Effective sensitivity 20 µV

General

Power supply AC 230V, 50 Hz Power consumption 110 W (Standby: 0.3 W) Dimensions (W x H x D) 434 x 119 x 365 mm Weight 7.8 kg

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