

# S-5BD

Blu-ray Disc/DVD Surround Receiver

# DENON

## 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 S-5BD 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 S-5BD component ensures you experience total enjoyment from pure stereo playback to full-fledged cinematic sound. Another important feature of the S-5BD 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 A/V 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 A/V 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: Analog waveform reproduction technology  
AL24 Processing interpolates signals that have been lost when the source was recorded as digital data and reproduces the original analog 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 S-5BD, 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. High-quality 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 separately-sold 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 S-5BD is turned on for the first time. At this time, the S-5BD makes careful measurements and analyses of your room's acoustics and speakers' characteristics to make optimum acoustic settings. The S-5BD 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** <sup>(1)</sup> <sup>(2)</sup>

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.

<sup>(1)</sup> Requires TV that supports HDMI CEC (Consumer Electronics Control).

<sup>(2)</sup> This function may not work with some settings on other devices.

- **Remote Setup Guidance**

The S-5BD'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 IP control support with RS-232C port
- 150mA Trigger output

<sup>(1)</sup>Design and specifications are subject to change without notice.

<sup>(2)</sup>"BD-LIVE" logo is trademark of Blu-ray Disc Association

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<sup>(13)</sup>Audyssey Dynamic EQ™ is a trademark of Audyssey Laboratories.

<sup>(14)</sup>Audyssey Dynamic Volume™ is a trademark of Audyssey Laboratories.

<sup>(15)</sup>"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.

<sup>(16)</sup>Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

<sup>(17)</sup>iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

## Ports

IN		
HDMI	x 3 (incl. 1 on front panel)	
S-Video	x 1 (for iPod)	
Analog 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 (2.1 ch, 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	DVD-R/DVD-RW/ CD-R/ CD-RW
MP3, WMA, JPEG	DVD-R/ DVD-RW/ CD-R/ CD-RW/ SD Memory Card (including SDHC/ miniSD Card/ microSD Card <sup>(*)3</sup> )

<sup>(\*)3</sup> 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.

Front L/R	75 W + 75 W (4 ohms, 1 kHz, THD 0.7%)
Center	75 W (4 ohms, 1 kHz, THD 0.7%)
Surround L/R	75 W + 75 W (4 ohms, 1 kHz, THD 0.7%)
Speaker impedance	4 - 16 ohms (Front / Center / Surround)
Input sensitivity/Input impedance	150 mV/47 kΩ (Analog audio)

### Tuner section

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

