

S-5BD

Blu-ray Disc/DVD Surround Receiver

DENON

The desire of audiophiles, movie enthusiasts and custom integrators. . . Pristine HD audio and video reproduction.

Combining Denon's renowned A/V receiver technologies and our reference-class Blu-ray disc playback expertise, the S-5BD integrated AVR/BD combo sets the standard for user convenience, quick and easy setup, and superb high definition picture and sound quality. Featuring the latest high resolution audio decoders, including Dolby TrueHD and DTS-HD Master Audio, the S-5BD also includes Dolby Pro Logic IIz, which features Music and Cinema modes to provide thrilling surround sound from conventional two channel audio sources. As well, the S-5BD features Dolby Virtual Speaker, which provides enveloping surround sound effects using only two front speakers. For quick and easy setup, the S-5BD features Audyssey's renowned MultEQ automatic room acoustic measurement and correction system. Using the supplied calibration microphone, the system automatically measures and adjusts key audio parameters, including number of speakers, speaker size and speaker distance, for truly balanced matched system performance. The integrated Blu-ray disc player features BD-Live connectivity, along with DVD and music CD playback, and the S-5BD includes top notch video processing, upconverting SD programs to high definition, up to 1080p. iPod and USB media playback is also supported, and the S-5BD automatically sets the appropriate surround mode for each input.



Features

Key Concept

- Audio and video engineering design of high-end components, premium HD audio & video quality
- Speaker system 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 discs, DVDs and music CDs
- Denon craftsmanship, in pursuit of ideal performance in A/V playback devices
 - Direct Mechanical Ground Construction, providing high-quality HD sound and video by suppressing vibration
 - Independent Block Construction, to faithfully reproduce video and audio signals by guarding against electromagnetic noise
 - Simple & Straight Signal Path and Minimum Signal Path, for clean and pure A/V signals transfer
 - Independent power supplies for each stage (Digital, Power amplifier, and Pre-amplifier stages) to achieve clean, stable performance and lower standby power draw.
 - Independent high-density circuit boards, 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 colors of HD quality from Blu-ray disc and other high definition sources such as HD camcorder

• 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 optimize speaker characteristics and room acoustics
Audyssey MultEQ counts the number of speakers you have connected and analyzes 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 memory card



- HDMI inputs for STB and game console 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 player 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 analyzes 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 for a natural tonal balance at any volume level.

- Unique Hidden Input Doors on both front sides

Open the door when connecting an iPod for example, 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 colors for easy identification.

- One Touch Play function ^(*)(**)

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 a TV that supports HDMI CEC (Consumer Electronics Control).

^(**)2 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 audio and video

- iPod/USB for Zone2

- IR Remote in/out ports

- AMX, Crestron third party IP control support with RS-232C port

- 150mA Trigger output

^{*}Design and specifications are subject to change without notice.

^{**}BD-LIVE[™] logo is trademark of Blu-ray Disc Association

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^{*****}"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.

^{*****}Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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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 (2.1ch, 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

MP3, WMA, JPEG

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 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 - 107.9 MHz

Effective sensitivity 1.5 μV/75 ohm (14.7 dBf)

AM

Frequency range 520 - 1710 kHz

Effective sensitivity 20 μV

General

Power supply AC 120 V, 60 Hz

Power consumption 110 W (Standby: 0.3 W)

Dimensions (W x H x D) 17-3/32" x 4-11/16" x 14-3/8"

434 x 119 x 365 mm

Weight

17 lbs 3 oz,

7.8 kg



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