

DENON®

Product Information

AVR-S510BT



AVR-S510BT

5.2CH A/V SURROUND RECEIVER

POWERFUL 5.2 A/V RECEIVER WITH WIRELESS BLUETOOTH® STREAMING AND HDCP 2.2-CAPABLE, 4K ULTRA HD/60HZ VIDEO PASS-THROUGH

The perfect combination of high performance and high value, the Denon AVR-S510BT delivers superb sonic fidelity along with a host of advanced features that includes compatibility with the latest HDMI 2.0a specification, along with the latest HDCP 2.2 specification that's required for 4K Ultra HD copy-protected content. The video section features 5 HDMI inputs, 3 of which feature 4K Ultra HD/60 Hz full frame rate and 4:4:4 Pure Color sub-sampling pass-through for the ultimate home theater experience. Our exclusive Denon Setup

Assistant quickly and easily guides you through the setup process, which includes automated speaker configuration and optimization using the supplied measuring microphone. Featuring Bluetooth wireless audio streaming, the AVR-S510BT is also equipped with a convenient USB port on the front panel for streaming your favorite tracks and charging your portable device, and the Denon 500 Series Remote App lets you control the unit via your Bluetooth device.



usa.denon.com

ca.denon.com

Built-in Wireless Bluetooth Streaming

The AVR-S510BT features Bluetooth streaming, supporting Bluetooth-equipped devices that support the A2DP (Advanced Audio Distribution Profile). Simply select the AVR-S510BT from your device's Bluetooth menu to turn on the receiver and start playing your music. The AVR-S510BT can remember up to 8 paired Bluetooth devices, so family and friends can listen to their favorite tracks.

4K Ultra HD/60 Hz Video Pass-through; HDCP 2.2

Equipped with 5 HDMI inputs, the AVR-S510BT features support for 4K Ultra HD full frame rate 60 Hz pass-through on 3 inputs along with 4:4:4 Pure Color sub-sampling pass-through, along with 3D compatibility on all HDMI inputs. It's also equipped with HDCP 2.2 signal handling, a requirement for 4K Ultra HD copy-protected content.

KEY FEATURES **[NEW]**

- 5.2ch platform
- 140W (maximum power output per channel)
- 4K/60Hz full-rate pass-through (3 designated HDMI inputs)
- 140W maximum power output per channel
- Full HDCP 2.2 support (on 3 HDMI inputs)
- Built-in Bluetooth
- Auto setup with room EQ
- Front panel USB input
- Denon Bluetooth Remote App
(Denon 500 Series Remote, available for iOS/Android)

Easy To Setup, Easy To Use

With our exclusive Setup Assistant along with the Quick Start Guide, you can connect and configure your home theater system quickly and easily. The AVR-S510BT comes with a setup measuring microphone that adjusts critical system parameters for top audio fidelity custom-tailored for your speaker system and listening space.

Download the 500 Series Denon Remote app and control your AVR-S510BT from your Bluetooth device. Functions include On/Off, Volume Up/Down, Mute and Source Selection. The app is available now in an Android™ version, and will soon be offered in an iOS version.

Compatible With Denon HEOS Link

Denon's HEOS™ whole-home wireless audio sound system delivers the ultimate in sound quality, ease-of-use and system flexibility and the AVR-S510BT features compatibility with our HEOS Link for easy remote control via the HEOS app.

Discrete Power Output Stage

All 5 power amplifier stages feature true Class AB amplification, and are configured with discrete high current power transistors that can easily drive lower impedance 6 ohm speakers, and each channel is rated at a maximum of 140 watts of power.

There's also an Auto Eco mode that adjusts the maximum power available according to the volume level selected, as well as an on-screen Eco meter that lets you see the power consumption reduction in real time.

USB Connectivity

In addition to numerous analog and digital A/V connectors, the AVR-S510BT features a convenient USB port on the front panel that's compatible with portable USB devices, and can play back a wide range of audio file types including MP3, WMA, FLAC and MPEG-4/AAC tracks.

STATE-OF-THE-ART DENON SOLUTIONS FOR MAXIMIZING CONTENT QUALITY

- HDMI Rear 5in/1out
- Digital audio inputs: 2 Opt /1 Coax
- Audio: 2in, Video: CVBS 2in/1out
- AM/FM Radio

EASE-OF-USE

- ECO mode
- On-screen Setup Assistant
- On-screen GUI
- Larger Character Display
- 4 Quick Select buttons and RC buttons
- Sleep Timer, set up to 120 minutes in 10-minute increments
- Standby HDMI pass-through
- Quick start guide and online manual
- Simple clear Remote

Denon is a trademark or registered trademark of D&M Holdings, Inc.

* All specs can be subject to change
* Available only in Black



Technical information

Number of power amps	5
Power output	140 watts per channel Maximum Power Output Per Channel 90 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven) 70 watts per channel (8 ohms, 20Hz - 20 kHz, THD 0.08%, 2ch driven)
Output connectors	6 - 16 ohms

Preamplifier section	
Input sensitivity/impedance	200 mV / 47 kohms
Frequency response	10 Hz - 100 kHz — +1, -3 dB (DIRECT mode)
S/N Ratio	98 dB (HF-A weighted, DIRECT mode)
FM section	
Tuning frequency range	87.5 - 107.9 MHz
AM section	
Tuning frequency range	520 - 1710 kHz
General	
Power supply	AC 120 V, 60 Hz
Power consumption	310 W (Standby 0.1W, Bluetooth Standby 1W)
Dimensions (W x H x D)	17.1" x 5.9" x 12.6"
Weight	16.5 lbs

Ports

IN	HDMI	x 5
	Composite (video)	x 2
	Analogue Audio	x 2
	Digital Optical	x 2
	Digital Coaxial	x 1
OUT	HDMI Monitor	x 1
	Composite Monitor	x 1
	Audio Preout (SW)	0.2 ch
	Phones	x 1
OTHER	FM Tuner Antenna	x 1
	AM Tuner Antenna	x 1
	USB Port	x 1
	Microphone Port	x 1

|V01|

Denon Electronics (USA), LLC.

100 Corporate Drive, Mahwah, New Jersey
07430 USA
TEL: 201-762-6500

usa.denon.com

ca.denon.com