DENON®



DENON AVR-S660H

5.2ch 8K AV receiver with voice control and HEOS® Built-in

Denon AVR-S660H 5.2ch 8K AV receiver with 135W per channel fully supports Dolby TrueHD, Dolby Surround, DTS-HD Master Audio and DTS Neo:6. It supports the latest HDMI specifications such as 8K/60Hz, 4K/120Hz pass-through VRR, ALLM, HDR10+ and eARC support.

HIGHLIGHTS	YOUR BENEFITS
High-performance discrete 5-channel amplifier	Delivers maximum performance and 135W per channel to provide the classic and dynamic Denon sound experience.
Enjoy 8K quality video	With the latest HDMI support, enjoy 8K quality video from your 8K source devices. Three 8K inputs and one output allow for 8K/60Hz and 4K/120Hz pass-through. 8K upscaling is available on all six HDMI inputs.
Surround yourself in the sound of your favourite movies, games and music	Utilize Dolby TrueHD and DTS-HD Master Audio formats or their up-mixers Dolby Surround and DTS Neo:6.
Enhanced Audio Return Channel (eARC) HDMI support	Through the HDMI output, connect your TV with eARC HDMI support to allow uncompressed audio formats like Dolby TrueHD and DTS-HD Master Audio directly from your smart TV app to your AV receiver.
The latest in video compatibility	Compatible with HDR10, HDR10+, HLG, Dolby Vision, and Dynamic HDR to provide the greatest picture brightness, clarity and contrast.
The next generation in movie immersion	With 8K/60Hz pass-through and upscaling, Dynamic HDR and Quick Media Switching (QMS), enjoy crystal clear picture in the highest quality available.
The latest in gaming experiences	4K/120Hz pass-through, Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), and Quick Frame Transport (QFT) enhance your gaming experience with amazing imaging as well as reduced lag and latency.
Works with your favourite voice services	Use your voice to control the AVR-S660H and wireless music services as well with Amazon Alexa, Google Assistant, and Apple Siri.
Wireless streaming from the most popular music services	Enjoy all of your favorite music services like Spotify®, Amazon Music HD, TIDAL, Deezer and more. The AVR-S660H also lets you enjoy your music via AirPlay 2 and Bluetooth.
Phono input	With the included phono input, the AVR-S660H lets you connect your turntable and play your favourite vinyl records. Enjoy your collection with exceptional quality and sound.
HEOS® Built-in wireless multi-room music streaming technology	Listen from any room for a connected, whole-home audio experience. The AVR-S660H also works with the newly introduced Denon Home speakers to let you enjoy a whole-home audio experience.

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Ultimate home theatre experience – 8K ready
The AVR-S660H delivers a breathtaking home theatre experience with 8K/60Hz and 4K/120Hz pass-through, as well as support for the latest HDMI specifications. The new AVR-S660H lets you build a 4K home theatre today and gives you the comfort of knowing that your AV receiver is 8K ready when you are. Enjoy high quality surround audio and video for demanding entertainment needs.

Powerful 5-channel amplifier with the latest home cinema specs
Featuring discrete high-current amplifiers on all channels, the AVR-S660H delivers high-power performance of 135W per channel. Low impedance drivers can accommodate a wide range of speakers for balanced, tonal sound.

Full surround sound experience
Enjoy Dolby TrueHD, Dolby Surround, DTS-HD Master Audio and DTS Neo:6 sound. Set up a 5.2 surround system and listen to native audio streams like Dolby TrueHD or DTS HD Master Audio from Blu-ray, streaming services and TV or get standard stereo signals up-mixed by Dolby Surround or DTS Neo:6 to enjoy movies, games and music that surrounds you.

Advanced 8K HDMI video section and support for various HDR Formats
For the best picture quality available, the AVR-S660H features an advanced HDMI section (6 in/1 out) with three 8K inputs supporting 8K/60Hz and 4K/120Hz video pass-through sporting 40Gbps. All HDMI inputs feature 4:4:4 Pure Color sub sampling, HDR10, HDR10+, Dolby Vision, Hybrid Log-Gamma (HLG), Dynamic HDR, 3D, and BT.2020 pass-through support for exceptional picture quality. Enjoy 8K upscaling as well as HDCP 2.3 processing to play copy-protected content uninhibited.

Enhanced Audio Return Channel (eARC) support
The main output of the AVR-S660H supports eARC (enhanced Audio Return Channel) to enable uncompressed audio transmission directly from your smart TV apps to your AV receiver.

The latest technology in movie experiences
With the new AVR-S660H, enjoy all your entertainment with latest technology available and watch your movies in unrivaled clarity. Enjoy your movies in 8K with 8K/60Hz pass-through and upscaling, as well the latest in AV receiver technology like Dynamic HDR and Quick Media Switching (QMS), which eliminates video delay in movies.

The next generation in gaming
Enjoy gaming to its full potential with the new AVR-S660H. Play with 4K/120Hz pass-through, as well as Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM), which reduces or eliminates lag and frame tearing for a smoother, lag-free gaming experience.

Works with your favourite voice services
Use your voice to control the AVR-S660H and wireless music services handsfree with Amazon Alexa, Google Assistant, and Apple Siri.

Built-in Bluetooth and Wi-Fi capability
The heart of your wireless network, the Denon AVR-S660H is equipped with an advanced dual antenna transceiver system for robust Bluetooth and Wi-Fi wireless streaming even in congested urban environments. Enjoy listening to your favourite audio content wirelessly from your smart devices.

HEOS® Built-in multi-room streaming
Enjoy your favourite music in any room of your home wirelessly with HEOS® Built-in technology. Play the same song in every room or select a different song for each connected room. Also works with Amazon Alexa, Google Assistant, and Apple Siri, to provide cuttingedge voice control for all your home entertainment. Connect your Denon Home speakers for a whole-home audio experience. HEOS also supports free and premium Spotify, Amazon Music HD, TuneIn, SoundCloud, TIDAL, and more. (Not all music services available in all regions.)

High-resolution audio support
Enjoy superb audio fidelity for your favourite high-resolution audio tracks. The AVR-S660H features premium 32-bit D/A converters allowing for high-resolution audio decoding with lossless file types including ALAC, FLAC and WAV at up to 192kHz/24bit. It is also compatible with 2.8/5.6-MHz DSD files (the audio coding format of SACD) and supports file types such as MP3 and WMA. Play files from memory devices via the front panel USB, or over network sources.

Phono input for turntable/vinyl support
With the built-in phono input, the AVR-S660H lets you connect your turntable and play vinyl records. Enjoy your vintage collection with exceptional quality and sound.

Dual subwoofer outputs
Immerse yourself in evenly distributed, accurate bass. The AVR-S660H features two subwoofer outputs to smooth out low frequencies and provide better dispersion. No audible peaks or dips — just powerful, room-filling bass.

Bluetooth audio transmission
Enjoy your favourite audio without waking your whole home by transmitting the audio coming from your AV receiver to your Bluetooth headphones. The AVR-S660H even allows you to play the audio on both Bluetooth headphones and connected speakers simultaneously. If you have a family member or a friend who is hearing impaired, we recommend this setup.

"Roon Tested" certified
All new Denon AV receivers are now Roon Tested. Get more out of your digital music library with searchable, surfable information about your favourite artists and songs. Find lyrics, concert dates, photos, bios, reviews and more.

Quick selects for user-friendly audio tuning
The Denon AVR-S660H front panel features four Quick Select buttons that store your preferred audio settings for each source. Switch between TV audio, Blu-Ray, media players and more, and the AVR-S660H adjusts the EQ settings to your preferences for that media source. Use the buttons on the front panel or opt for the same Quick Selects on the AVR remote for faster control.

Easy setup and automatic HDMI rename
Once you connect your TV to the AVR-S660H via HDMI, the exclusive Denon Setup Assistant appears on your TV screen to walk you through setup, step by step. Also, on the back of the AV receiver, a row of colour-coded speaker connections laid out horizontally make organizing and connecting speaker wires simple. The AVR-S660H will rename HDMI inputs automatically when connected or you can rename manually for your convenience.

Audyssey room correction
The AVR-S660H features the Audyssey MultEQ room acoustic measurement system to precisely analyze the output of each speaker to optimize every channel. The additional Audyssey MultEQ Editor app (available for purchase) allows advanced users to go "under the hood" for further adjustment and customization of your audio environment. The app is available for both iOS and Android.

Amazing sound built on 110 years of innovation
As Japan's first audio electronics manufacturer with a deep legacy of firsts, Denon is the defining audio company of Japan. Founded in 1910, we enable the moments that matter through the relentless pursuit of quality, innovation, and audio performance. We innovate for a better experience.

Technical Information	
Number of Power Amps	5
Power Output	75 watts per channel (8 ohms, 20Hz–20kHz. THD .08%, 2ch driven)
	100 watts per channel (6 ohms, 1kHz, THD .7%, 2ch driven)
	135 watts per channel (6 ohms, 1kHz, THD 1%, 1ch driven)
Speaker Impedance	4-16Ω/ohms
Preamplifier Section	
Input Sensitivity/ Impedance	200mV
Frequency Response	10Hz–100kHz – +1, -3 dB (Direct Mode)
S/N Ratio	98dB (IHF-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 230V/50 Hz
Power Consumption	340W (Standby 0.1W, CEC standby 0.5W)
Power Consumption (No Sound)	29W (ECO Mode On) 39W (ECO Mode Off)
Maximum Dimensions (WxHxD)	434 x 151 x 339mm
Carton Dimensions (Packaging) (WxHxD)	523 x 232 x 435mm
Weight	7.8kg
Weight (Packaging)	9.7kg

Ports		
In	HDMI	x6
	Composite	x2
	Phono	x1
	Analogue Audio	x2
	Digital Optical	x2
	USB Front	x1
Out	HDMI Out	x1
	Composite	x1
	Audio Pre-out	0.2ch
	Phones	x1
Other	Ethernet	x1
	Microphone Port	x1
	FM/AM Tuner Antenna	x1

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