

# DENON®



## DENON AVR-S760H

### 7.2ch 8K AV receiver with 3D audio, voice control and HEOS® Built-in

Denon AVR-S760H 7.2ch 8K AV receiver with 75W per channel fully supports 3D audio formats Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X™ and DTS Virtual:X™. It features all the latest HDMI specifications such as 8K/60Hz, 4K/120Hz pass-through VRR, ALLM, HDR10+ and eARC support.

#### HIGHLIGHTS

High-performance discrete 7-channel amplifier

Full 8K/60Hz and 4K/120Hz support

Enjoy your favorite 3D audio formats

Enhanced Audio Return Channel (eARC) HDMI support

The latest in video compatibility

The next generation in movie immersion

The latest in gaming experiences

Works with your favorite voice services

Wireless streaming from the most popular music services

Phono input

HEOS® Built-in wireless multi-room music streaming technology

#### YOUR BENEFITS

Delivers maximum performance and 75W per channel (8 ohms, 20Hz-20kHz, THD: 0.08%, 2ch. driven) to provide the classic and dynamic Denon sound experience.

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.

Immerse yourself in 3D audio from sources like Dolby Atmos®, Dolby Atmos Height Virtualization, DTS:X™ and DTS Virtual:X™.

Through the main HDMI output, connect your TV with eARC HDMI support to allow uncompressed and object-based audio formats like Dolby Atmos and DTS:X directly from your smart TV app to your AV receiver.

The latest HDR format support including HDR10, HDR10+, HLG, Dolby Vision and Dynamic HDR to provide the greatest picture quality for brightness, clarity and contrast.

With 8K/60Hz pass-through and upscaling, Dynamic HDR and Quick Media Switching (QMS), enjoy crystal clear picture in the highest quality available.

With 4K/120Hz pass-through, Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM) and Quick Frame Transport (QFT), enjoy your gaming experience with amazing imaging, as well as reduced lag and latency.

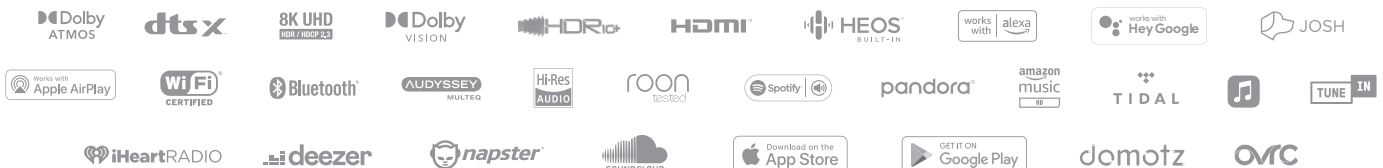
Use your voice to control the AVR-S760H and wireless music services hands-free with Amazon Alexa, Google Assistant, Apple Siri, and Josh.ai.

Enjoy all of your favorite music services like Spotify®, Pandora®, Amazon Music HD, TIDAL, SiriusXM, Deezer and more. The AVR-S760H also lets you enjoy your music via AirPlay 2, letting you stream your favorite tracks from Apple Music.

With the included phono input, the AVR-S760H lets you connect your turntable and play your favorite vinyl records. Enjoy your collection with exceptional quality and sound.

Listen from any room for a connected, whole-home audio experience. The AVR-S760H also works with the newly introduced Denon Home speakers to let you enjoy a whole-home audio experience.

#### SINCE 1910 | DEFINING AUDIO EXCELLENCE





### Ultimate home theater experience – 8K ready

The AVR-S760H delivers the ultimate home theater experience with 8K/60Hz pass-through, 4K/120Hz pass-through, as well as support for the latest HDMI specifications. The new AVR-S760H lets you build the best 4K home theater today and gives you the comfort of knowing that your AV receiver is 8K ready when you are. Enjoy the highest quality 3D audio and video for even the most demanding entertainment needs.

### Powerful 7-channel amplifier with the latest home cinema specs

Featuring discrete high-current amplifiers on all channels, the AVR-S760H delivers high-power performance of 75W per channel (8 ohms, 20Hz- 20kHz, THD: 0.08%, 2 channels driven). Low impedance drivers provide operational stability for a wide range of speakers for balanced, tonal sound. Upgrade your expectations in home theater entertainment.

### Full 3D audio experience

Get 3D audio for the ultimate home theater experience with Dolby Atmos<sup>®</sup>, Dolby Atmos Height Virtualization Technology, DTS:X<sup>™</sup> and DTS Virtual:X<sup>™</sup>. Set up a 5.1.2 Dolby Atmos surround system using Dolby Atmos elevation speakers or dedicated overhead speakers. DTS:X gives your movies, games and music a realism unmatched by traditional 5.1 surround sound. Dolby Atmos Height Virtualization Technology and DTS Virtual:X create virtual height effects in a 7.1, 5.1 or 2.1 speaker arrangement without height channels.

### Advanced 8K HDMI video section and support for various HDR format support

The AVR-S760H features an advanced HDMI section (6 in/1 out) with three 8K inputs that will support 8K/60Hz and 4K/120Hz video passthrough 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 color, clarity and contrast. Enjoy 8K upscaling as well as HDCP 2.3 processing to play copy-protected content.

### Enhanced audio return channel (eARC) support

The main output of the AVR-S760H supports eARC (enhanced Audio Return Channel) to enable uncompressed and object-based audio transmission directly from your smart TV apps to your AV receiver.

### The latest technology in movie experiences

With the new AVR-S760H, 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 is used in movies to eliminate video delay.

### The next generation in gaming

Showcased in the new AVR-S760H, enjoy gaming to its full potential. Game 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 to offer a smoother, lag-free gaming experience.

### Works with your favorite voice services

Use your voice to control the AVR-S760H and wireless music services hands-free with Amazon Alexa, Google Assistant, Apple Siri, and Josh.ai.

### Apple AirPlay 2 Built-in

Use AirPlay 2 to stream Apple music to the AV receiver, or group with other AirPlay compatible speakers to fill your home with music.

### Built-in Bluetooth and Wi-Fi capability

Made to be the heart of your wireless network, the Denon AVR-S760H comes with an advanced dual antenna transceiver system for robust streaming even in congested urban environments. Enjoy listening to your favorite audio content wirelessly from your smart devices.

### HEOS<sup>®</sup> Built-in multi-room streaming

Enjoy your favorite music in any room of your home wirelessly with HEOS Built-in technology, supporting free and premium Spotify, Pandora, Amazon Music HD, TuneIn, SoundCloud, SiriusXM, TIDAL and more. Also works with Amazon Alexa, Google Assistant, Apple Siri and Josh.ai to provide cutting-edge voice control and incredible sound for all your home entertainment. Connect your Denon Home speakers for a whole-home audio experience. (Not all music services available in all regions.)

### High-resolution audio support

Get superb audio fidelity from your favorite high-resolution audio tracks. The AVR-S760H features premium 32-bit D/A converters allowing for high-resolution audio decoding with multiple 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 other 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-S760H lets you connect your turntable and play vinyl records. Enjoy your vintage collection with exceptional quality and sound.

### Powerful surround sound processing

Incredible power for best-in-class surround performance. The AVR-S760H includes an advanced DSP (Digital Sound Processor) chip for tremendous power processing. With four 300MHz DSP cores capable of processing over one billion computations per second, the AVR-S760H supports the latest surround sound decoding and processing needs.

### Dual subwoofer outputs

Immerse yourself in evenly distributed, accurate bass. The AVR-S760H 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 favorite audio without waking your whole home by transmitting the audio coming from your AV receiver to your Bluetooth headphones. The AVR-S760H 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.

### Easy setup and automatic HDMI rename

Once you connect your TV to the AVR-S760H 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 color-coded speaker connections laid out horizontally make organizing and connecting speaker wires simple. The AVR-S760H will rename HDMI inputs automatically when connected or you can rename manually for your convenience.

### Audyssey room correction

The AVR-S760H 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.

Technical Information	
Number of Power Amps	7
Power Output	75 watts per channel (8 ohms, 20Hz-20 khz, THD .08%, 2ch driven)
	110 watts per channel (6 ohms, 1kHz, THD .7%, 2ch driven)
	165 watts per channel (6 ohms, 1kHz, THD 10%, 1ch driven)
	140 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	120V/60 Hz
Power Consumption	400W (Standby 0.1W, CEC standby 0.5W)
Power Consumption (No Sound)	29W (ECO Mode On) 39W (ECO Mode Off)
Maximum Dimensions (WxDxH)	
Antenna: Horizontal (in)	17.1 x 13.3 x 6
Antenna: Vertical (in)	17.1 x 13.3 x 8.5
Carton Dimensions (Packaging) (WxDxH) (in)	20.6 x 17.1 x 9.1
Weight (lbs)	19
Weight (Packaging) (lbs)	23.4

Ports		
In	HDMI	x6
	Composite	x2
Out	Phono	x1
	Analog Audio	x2
	Digital Optical	x2
	Digital Coaxial	x1
Other	USB Front	x1
	HDMI Monitor (eARC)	x1
Other	Composite	x1
	Audio Pre-out	0.2ch
	Zone 2 (speaker assignable)	x1
Other	Headphones	x1
	Ethernet	x1
	Microphone Port	x1
	FM/AM Tuner Antenna	x1