

DENON



DENON AVR-S960H

A Superior Home Cinema Experience

Upgrade your home theatre! With 145W per channel, the performance-tuned Denon AVR-S960H AV receiver delivers an amazing 3D audio experience. It supports the latest in 3D sound formats such as Dolby Atmos, Dolby Atmos Height Virtualization Technology, DTS:X, and DTS Virtual:X. Get the latest video technologies such as 8K/60Hz and 4K/120Hz pass-through, Dolby Vision, HDR10+, Dynamic HDR, as well as 8K upscaling.

HIGHLIGHTS

YOUR BENEFITS

High-performance discrete 7-channel amplifier	Delivers maximum performance and 145W per channel to provide the classic and dynamic Denon sound experience.
Full 8K/60Hz and 4K/120Hz support	With the latest HDMI support, enjoy 8K quality video from your 8K source devices. One 8K input and 2 outputs allow for 8K/60Hz and 4K/120Hz pass-through. 8K upscaling is available on all 6 HDMI inputs.
Enjoy your favourite 3D audio formats	Enjoy immersive, 3D audio by Dolby Atmos, Dolby Atmos Height Virtualization, DTS:X and DTS Virtual:X.
Enhanced Audio Return Channel (eARC) HDMI support	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 in video compatibility	The latest HDR format support including HDR10, HDR10+, HLG, Dolby Vision, as well as Dynamic HDR (New in 2020), to provide the greatest picture quality for brightness, clarity and contrast.
The latest in gaming experiences	With 4K/120Hz pass-through, Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), Quick Media Switching (QMS) and Quick Frame Transport (QFT), enjoy your gaming experience with amazing imaging, as well as reduced lag and latency from features.
Award-winning Denon Setup Assistant and Room Correction	Graphical user interface for an easy and intuitive setup experience; Audyssey MultEQ room correction to automatically tailor the sound to your room.
Wireless streaming from the most popular music services	Enjoy all of your favourite music services like Spotify, Amazon Music HD, TIDAL, Deezer and more. The AVR-S960H also lets you enjoy your music via AirPlay 2, letting you stream your favourite tracks from Apple Music.
HEOS Built-in wireless multi-room music streaming technology	Listen from any room for a connected, whole-home audio experience. The AVR-S960H 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-S960H delivers the ultimate home theatre experience with 8K/60Hz pass-through and upscaling, 4K/120Hz pass-through, as well as support for the latest HDMI specifications. The AVR-S960H lets you build the best 4K home theatre 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-S960H delivers high-power performance of 145W per channel. Low impedance drivers provide operational stability for a wide range of speakers for balanced, tonal sound. Upgrade your expectations in home theatre entertainment.

Full 3D Audio Support

Immerse yourself in 3D audio with Dolby Atmos, Dolby Atmos Height Virtualization Technology, DTS:X and DTS Virtual:X. Set up a 5.1.2 Dolby Atmos surround system using Dolby Atmos elevation speakers, or dedicated overhead speakers, for the ultimate home theatre experience. DTS:X gives you movies, games and music a realism unmatched by traditional 5.1 surround sound. Dolby Atmos Height Virtualization Technology and DTS Virtual:X provide immersive audio without height channels, creating virtual height effects in a 7.1, 5.1 or 2.1 speaker arrangement.

Advanced 8K HDMI Video Section and Various HDR Format Support

Enjoy your favourite movies, shows and games with the best picture quality available. The AVR-S960H features an advanced HDMI section (6 in/2 out) with a dedicated 8K input that will support 8K/60Hz and 4K/120Hz video pass-through. All HDMI inputs feature 4:4:4 Pure Color sub sampling, HDR10+, Dolby Vision, Hybrid Log-Gamma (HLG), Dynamic HDR, and BT.2020 pass-through support for exceptional colour, clarity and contrast. Enjoy 8K upscaling as well as HDCP 2.3 processing to play copy-protected content uninhibited.

Brilliant Colour – Universal Compatibility, HDR10+, Dynamic HDR

The AVR-S960H supports High Dynamic Range video format, HDR10, Dolby Vision and HLG (Hybrid Log Gamma). Dolby Vision transforms the viewing experiences with astonishing brightness, contrast, and colour. HLG offers HDR technology over broadcast content for a crisper, cleaner image. The AVR-S960H also supports HDR10+, which sends dynamic meta data to TV for more realistic images, as well as Dynamic HDR.

Enhanced Audio Return Channel (eARC) Support

The main output of the AVR-S960H 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-S960H, 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

With the new AVR-S960H, take your gaming to the next level. Game with 4K/120Hz pass-through, as well as Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM), which reduced or eliminates lag and frame tearing to offer a smoother, lag-free gaming experience.

Works with Amazon Alexa

Control the AVR-S960H hands-free with Amazon Alexa and your voice. Adjust the volume, skip to the next track, switch inputs for your different media players and more – “Just Ask.” Download the HEOS Home Entertainment Skill to enable Amazon Alexa voice commands for your AVR-S960H, HEOS devices and other select Denon products.

Works with Google Assistant

Start music in the HEOS app, then ask your Google Assistant to control volume, play, pause, skip tracks and more.

Apple AirPlay 2 Built-in

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

Built-in Bluetooth and Wi-Fi Capability

The heart of your wireless network. For Bluetooth and Wi-Fi wireless streaming connectivity, the AVR-S960H is equipped with an advanced dual antenna transceiver system for robust 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 – the choice is yours. Also works with Amazon Alexa, Google Assistant and Apple Siri 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.

All Zone TV Audio

Play the audio from your TV to all zones. Supports both analogue and digital audio connections.

High-Resolution Audio Support

Enjoy superb audio fidelity with your favourite high-resolution audio tracks. The AVR-S960H features the latest AKM 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 (DSD is the audio coding format of SACD). Play them from memory devices via the front panel USB, or over network sources. The AVR-S960H also supports other file types such as MP3 and WMA.

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-S960H 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.

Audyssey Room Correction

The AVR-S960H features the Audyssey MultEQ XT room acoustic measurement system. With the supplied microphone, it precisely analyses the output of each speaker to optimize every channel. Plus, 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. Denon - Defining audio excellence.

Technical Information

Number of Power Amps	7
Power Output	145 watts per channel (6 ohms, 1 kHz, THD:1%, 1 ch driven)
	95 watts per channel (8 ohms, 20Hz–20kHz, THD:0.08%, 2 ch driven)
Speaker Impedance	4–16Ω/ohms
Preamplifier Section	
Input Sensitivity/ Impedance	200 mV/47k kohms
Frequency Response	10Hz–100kHz – +1, –3 dB (Direct Mode)
S/N Ratio	100 dB (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	230V / 50/60Hz
Power Consumption	460W (Standby 0.1W, CEC standby 0.5W)
Power Consumption (No Sound)	35W (ECO Mode On) 75W (ECO Mode Off)
Maximum Dimensions (WxDxH) Antenna:Horizontal (mm) Antenna:Vertical (mm) w/o Antenna: (mm)	434 x 341 x 167 434 x 341 x 237 434 x 330 x 167
Carton Dimensions (Packaging) (WxDxH) (mm)	520 x 429 x 243
Weight (kg)	9.5
Weight (Packaging) (kg)	11.5
EAN	AVRS960HBKE2 4951035072912

Ports		
In	HDMI	x6
	8K HDMI	x1
Out	Component (Video)	x2
	Composite (Video)	x2
	Phono	x1
	Analogue Audio	x4
Other	Digital Optical	x2
	USB Front	x1
	HDMI Monitor (1x eARC)	x2
	8K HDMI	x2
	Component (Video)	x1
	Composite Monitor	x1
	Audio Pre-out (SW)	0.2 ch
	Zone 2 (speaker assignable)	x1
	Headphones	x1
	Ethernet	x1
	Microphone Port	x1
FM/AM Tuner Antenna	x1	