

DENON®



DENON AVR-X1800H

AVR-X1800H 7.2 Ch. 8K AV Receiver

Enjoy incredible 8K video and 3D audio from the AVR-X1800H. It easily fills small to medium-size rooms with brilliant audio from a 7.2 or 5.2.2 setup with Dolby Atmos and DTS:X. And with HEOS® Built-in, you can wirelessly stream music and share with every HEOS-enabled speaker around your home.

HIGHLIGHTS

YOUR BENEFITS

High performance discrete seven-channel amplifier

Discrete high-current amplifiers on all channels deliver up to 80W per channel (at 8 ohms, 20–20 kHz, THD 0.08%)—enough power to drive most speakers in a mid-size room.

Immersive audio experience

Get immersed in music and movies with Dolby Atmos® and DTS:X® plus Dolby Surround and DTS Neural:X upmixer to optimize legacy content.

Advanced 8K home theater

8K video is supported on three of six HDMI inputs and one output. Enjoy easy video compatibility and great picture quality with HLG, HDR, Dolby Vision, HDR10+, and Dynamic HDR pass-through.

HEOS® Built-in technology

Stream music wirelessly to compatible HEOS-enabled components from a variety of streaming services. Add Denon® Home speakers to other rooms and control it all with the HEOS app.

Built-in Wi-Fi and Bluetooth

Provides both Wi-Fi and Bluetooth connectivity for your wireless network or direct music streaming from your smart devices. Use AirPlay to stream Apple Music.

Simple setup and Audyssey room-correction technology

Our award-winning guided setup assistant provides clear, step-by-step instructions to get you started. Included Audyssey EQ software accurately calibrates sound to optimize the listening experience in your room.

Over a century of innovation

Founded in 1910, Denon enables the moments that matter through the relentless pursuit of quality, innovation, and audio performance.

SINCE 1910 | DEFINING AUDIO EXCELLENCE





Dolby Atmos

Feel every dimension in Dolby Atmos. Upgrade your home theater with a 5.1.2-speaker setup to unleash a fully immersive 3D audio experience from Dolby Atmos content. Dolby Surround upmixer engages all speakers to create 3D audio sensations from legacy content. Dolby Atmos Height Virtualization Technology creates the sensation of overhead sound even without a 5.1.2 system. You can also enjoy Dolby Atmos music tracks available from Apple Music, Amazon HD, and TIDAL and a compatible streaming device.

DTS:X

DTS:X immersive audio content places sound where it would naturally occur in space, creating lifelike, multi-dimensional audio. DTS Neural:X upmixer offers improved immersion and heightened realism for legacy content. DTS Virtual:X provides immersive audio without height channels, creating virtual height effects in a 7.1, 5.1, or 2.1 speaker setup.

HDMI Connectivity with ARC/eARC

Supports the latest technology on all HDMI inputs and output. ARC (Audio Return Channel) or eARC (Enhanced Audio Return Channel) makes playing TV audio through your AV receiver simple, with just a single HDMI connection. eARC provides HD and 3D audio transmission such as Dolby TrueHD, DTS HD Master Audio, and Dolby Atmos while ARC is limited to conventional 5.1ch audio formats or PCM.

8K/HDCP 2.3

Enjoy pristine 8K picture quality on your 8K TV or projector. Supports both 8K pass-through and 8K upscaling of 4K content. Supports HDCP 2.3, the latest copy protection standard, for peace of mind when streaming copy-protected content.

Brilliant color from HDR 10+

Supports HDR (High Dynamic Range), HLG (Hybrid Log Gamma), as well as Dynamic HDR and HDR10+ pass-through. HLG offers HDR technology over broadcast content. Both Dynamic HDR and HDR10+ use dynamic metadata to optimize shadows and highlights as screens change.

Dolby Vision

Dolby Vision is a stunning HDR imaging technology that brings extraordinary color, contrast, and brightness to the screen. Enjoy Dolby Vision content from a compatible source device and TV.

Next generation gaming

Supports Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM) for smooth, lag-free gaming experience when connected with the compatible gaming devices.

HEOS® Built-in

With HEOS Built-in, your AV receiver can stream music wirelessly across compatible HEOS components from a variety of free and premium streaming services. Consumers can also enjoy their favorite music in any room of the home wirelessly. Play the same song in every room or select a different song for each connected room via a variety of streaming sources. Add Denon Home speakers to more rooms and control it all with the HEOS app.

AirPlay 2 and Apple Siri Voice Control

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.

Works with Amazon Alexa

Control your AV receiver 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 free HEOS Home Entertainment Skill to enable Amazon Alexa voice commands. Requires Alexa app and Amazon Echo, Dot, or equivalent. Availability of features varies by region.

High-resolution audio support

Enjoy superb audio fidelity with your favorite high-resolution audio tracks. The supported formats are ALAC, FLAC and WAV at up to 192kHz/24 bit. It is also compatible with 2.8/5.6-MHz DSD files. Play HD audio tracks from a USB drive or other connected drives over a network or from Amazon Music HD with subscription. Conventional MP3 and WMA files are also supported.

Bluetooth audio transmitter

Pair your favorite Bluetooth headphones with your AV receiver to continue listening to your favorite music, movies, or TV programs at night. You can also play audio from both speakers and Bluetooth headphones simultaneously. If you have a family member or a friend who is hearing impaired, we recommend this setup. You can connect one pair of headphones at a time.

Multi-source, multi-room

By connecting a pair of speakers in a second room to the AV receiver, it's possible to enjoy 5.1-channel surround sound in the main room and a separate source or music stream in the second room, such as den or patio. You can also play the same audio in both so that everyone in your home can enjoy and cheer your favorite team on Sunday evening or listen to the same song in both rooms. The AV receiver supports 2-source, 2-zone audio.

Denon Setup Assistant

Award-winning guide Denon Setup Assistant supplies simple, clear instructions to get started. Just connect your AV receiver to your TV and follow the instructions on the TV screen to connect your speakers, perform speaker measurements, and connect source devices. For additional convenience, the AV receiver renames HDMI inputs automatically when connected or you can rename manually at your convenience.

Audyssey suite of room-correction technology

Denon AV receivers use the Audyssey suite of EQ software for simple, accurate setup and calibration. With the supplied Audyssey measuring microphone, Audyssey measures all the speakers in your home theater, and tunes the AV receiver to provide the smoothest, most optimal overall listening experience for your room. This AV receiver supports Audyssey MultEQ room-correction technology. The other supported Audyssey features are Dynamic EQ and Dynamic Volume.

Audyssey MultEQ Editor app

You can go even further with the Audyssey MultEQ Editor app, going "under the hood" to view and adjust settings for detailed tuning—allowing you to customize the sound more precisely to the specific problems in your room and tailor the sound to your personal preferences. With this comprehensive app, you can harness the power of Audyssey MultEQ to take total control of the way your home cinema sounds. The app is available for purchase in iOS and Google Play stores.

Works with Google Assistant

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

Denon AVR Remote app

This iOS or Android control app allows you to control your AV receiver, such as changing inputs, sound modes, volume, store and retrieve Quick Selects, show AV receiver (AVR) status, input and output signal information, change optional settings, and so on. Once HEOS music is selected, the AVR remote app automatically switches to the HEOS app for seamless operation between two apps.

Josh.ai

Josh.ai offers flexible voice control for nearly any aspect of your day-to-day experience and entertainment environment. Use voice commands to control the thermostat, lights, home appliances, speakers, AV receiver, and more. Josh.ai is installed by custom integrators and accessed through an app on your phone or tablet. Works with iOS and Android devices.

Technical Information		General	
Number of Power Amps	7	System Remote Control	RC-1257
Power Output	80 watts per channel (8 ohm, 20 Hz–20 Khz, 0.08% 2ch drive)	Power Consumption	430W
	120 watts per channel (6 ohm, 1 kHz, 0.7% 2ch drive)	Power Consumption (No Sound, ECO on/off)	29W/39W
	175 watts per channel (6 ohm, 1 kHz, 10% 1ch drive)	Standby Consumption in W	0.1
Other		CEC Standby Consumption in W	0.5
	Compatible with Remote App for smart phones	Denon AVR Remote	
Auto Speaker Setup by Microphone	Audyssey MultEQ XT	Maximum Dimensions (W x D x H)	
Front Display	1-Line FLD	Antenna: Horizontal (in)	17.1 x 13.3 x 6.0
GUI Languages	English, Japanese, French	Antenna: Vertical (in)	17.1 x 13.3 x 8.5
		Weight (lbs)	19.0

Ports	
Video	
HDMI In/Out	6/1
Audio	
Analog In/Out	2/-
Phono (MM) In	Yes
Digital In: Optical/Coaxial	2/1
Multi-Room Out: Analog/Digital	1/-
Multichannel Pre-Out	Yes (2.2)
Subwoofer Out	2
Other	
Number of Speaker Terminals	7