



DENON AVR-X3900H

AVR-X3900H 9.4 Ch. 105W 4K/8K Dolby Atmos AV Receiver Powered by HEOS™

The Denon AVR-X3900H brings immersive home theater experiences to life with powerful multichannel sound, support for high-resolution video and immersive audio formats, and advanced room correction. Flexible design supports expansive system configurations; expand to whole-home streaming Powered by HEOS.

HIGHLIGHTS	YOUR BENEFITS
Immersive audio, precisely rendered	Movies, games, and music unfold with enveloping sound that maintains clarity, scale, and spatial detail across every moment.
Surround sound designed for your space	Flexible surround and height channel options support immersive 3D audio across a wide range of room sizes and layouts.
Confident control, refined performance	Advanced system management and automatic tuning deliver consistent, balanced performance without ongoing manual adjustment.
A unified platform for all your entertainment	Bring TV, gaming, and music together into a single system built for cohesive performance and long-term enjoyment.

SINCE 1910 | DEFINING AUDIO EXCELLENCE





Dolby Atmos

Bring a height element to the immersive 3D audio experience, or with virtualized Dolby Atmos, engage all speakers to create a 3D audio sensation from legacy content even without height speakers.

Dolby Vision

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

AURO-3D

AURO-3D elevates the home theater experience to amazing new levels by bringing an exciting new vertical dimension to 3D sound for music, games, broadcast, and films.

IMAX Enhanced

IMAX Enhanced brings IMAX remastered 4K HDR picture and DTS:X immersive sound for a cinematic home experience.

360 Reality Audio

360 Reality Audio uses Sony’s 360 Spatial Sound technology to place individual sounds such as voices and instruments in a 360-degree spherical sound field.

Full Dirac Live Suite

Unlock the complete Dirac Live suite with an optional upgrade. Room Correction minimizes your room’s impact on sound for enhanced clarity and imaging. Bass Control tames single or multiple subwoofers for consistent bass. Active Room Treatment turns your speakers into a full acoustic management system.

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 heightened realism for legacy content.

HDMI connectivity with ARC/eARC

Supports the latest HDMI technology on inputs and outputs. ARC (Audio Return Channel) and eARC (Enhanced ARC) make playing TV audio through your AV receiver simple using a single HDMI connection.

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 for peace of mind when streaming copy-protected content.

HDR 10+

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

Powered by HEOS™

HEOS is an app-based system that controls your home audio experience. Stream from top services and play the same song in every room or select a different song for each connected room. Control it all with the HEOS app.

High-resolution audio support

High-resolution audio formats preserve greater detail, dynamic range, and tonal nuance than standard digital audio. Denon AV receivers support playback of high-resolution audio files and streams, maintaining signal integrity through advanced digital processing and high-quality conversion to deliver playback that sounds more faithful to the original recording.

Denon Setup Assistant

The award-winning guided Denon Setup Assistant provides simple, clear instructions to get started. Just connect your AV receiver to your TV and follow the instructions on the TV screen. An intuitive web-based interface lets users set up their Denon easily via their TV, smartphone or laptop.

Audyssey Platinum Built-in

Audyssey MultEQ XT32 brings high-resolution room correction to large, complex spaces, with up to eight measurement positions and 10,000+ control points. SubEQ HT individually calibrates dual subwoofers, Low Frequency Containment keeps bass from bleeding through walls, and Dynamic EQ and Dynamic Volume fine-tune every listening level.

Next-generation gaming

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

Multi-source, multi-zone

The Denon AVR-X3900H supports two-source, two-zone audio. Enjoy surround sound in the main room and a different source in the second room, or play the main audio source everywhere for everyone in your home to enjoy.

Apple AirPlay 2

Stream audio from your favorite streaming services using any iPhone, iPad, Mac, or Apple TV.

Denon AVR Remote app

The Denon AVR Remote app allows you to turn the receiver on and off, select an input source, adjust volume from your phone.

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.

70% Guarantee

As you add speakers, available power is shared across channels. Denon AV receivers are designed to maintain consistent output as systems expand, guaranteed to deliver over 70% of rated power to up to five channels. The result is dependable performance across multi-speaker setups, so sound remains controlled, balanced, and engaging as your surround system grows.

Directional subwoofer mode

Choose between blended or directional bass in multi-subwoofer systems, letting you dial in uniform low end or bass that feels more localized to specific speakers.

Onscreen channel level monitoring

Onscreen channel level monitoring provides real-time insight into speaker input levels by channel, helping you understand and adjust playback with confidence.

Web-based AVR control and setup

A built-in web user interface provides access to system settings and controls directly from a computer or mobile device, without requiring the TV to be on.

Josh.ai

Josh.ai offers flexible voice control for nearly any aspect of your entertainment environment. Use voice commands to control the thermostat, lights, home appliances, speakers, AV receiver, and more.

Technical Information			
Number of Processing Channels	11.4	General	
Subwoofer Out	4 (Independent)	System Remote Control	RC-1262
Number of Power Amps	9	Power Consumption in W	660W
Power Output	105 W (8 ohm, 20 Hz–20 kHz, 0.08% 2ch Drive)	Power Consumption No-Sound (ECO on/off) in W	60W / 100W
	135 W (6 ohm, 1 kHz, 0.7% 2ch Drive)	Standby Consumption in W	0.1
Other		CEC Standby Consumption in W	0.5
Multi-Source/ Multi-Zone	2	Network Standby Consumption in W	Less than 2.0
GUI Languages	3 (English/Français/Español)	Maximum Dimensions	
		Antenna:Horizontal: (W × D × H) in inches	17.1 × 15.3 × 6.6
		Antenna:Vertical: (W × D × H) in inches	17.1 × 15.3 × 9.3
		w/o Antenna: (W × D × H) in inches	17.1 × 14.9 × 6.6
		Weight in lbs	27.6
		Weight in lbs (Packaging)	34.6

Inputs/Outputs	
Video	
HDMI In/Out	6 / 2
Audio	
Analog In/Out	5 / –
Phono (MM) In	Yes
Digital In: Optical, Coaxial	2, 2
Multi-Zone Analog Preouts	1
Multichannel Pre-Out	Yes (11.4)
Other	
Number of Speaker Terminals	11
Speaker A/B	Assignable
Bi-amp Drive	Assignable
Multi-Zone Speaker Terminal	Assignable

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