



DENON AVR-X2900H

AVR-X2900H 7.2 Ch. 95W 4K/8K Dolby Atmos AV Receiver Powered by HEOS™

The Denon AVR-X2900H 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 sound, impeccably delivered	Audio feels more engaging with immersive formats like Dolby Atmos adding depth and dimension that keep you connected to the story.
Smooth, responsive gaming	Variable Refresh Rate, Auto Low Latency Mode, and AMD FreeSync keep gameplay fast and fluid.
Sound tuned to your space	Audyssey room correction technologies calibrate playback to your room. Optional upgrade to Dirac Live Room Correction.
One hub for all your entertainment	Connect your TV, gaming consoles, and streaming sources through one 4K/8K-ready hub with advanced HDMI connectivity.
Your audio, in every room	Great sound isn't limited to your living room—stream from leading services and enjoy synchronized wireless multiroom audio with HEOS.
A system that grows with you	Expand to more enveloping surround sound or Dolby Atmos 3D audio when you're ready for deeper immersion.

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.

Dirac Live Room Correction

Dirac Live Room Correction, available as an optional upgrade, minimizes your room's impact on sound for enhanced clarity, more accurate imaging and staging, a wider sweet spot, and richer bass detail.

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/HDPC 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 AVRs 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 Silver Built-in

Audyssey MultEQ XT uses multiple measurement positions to map your mid-size room and deliver precise, low-frequency-focused equalization. Dynamic EQ maintains full tonal balance at any volume, while Dynamic Volume protects against sudden loud shifts in your content.

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-X2900H 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 AVRs 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

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	7.1	General System Remote Control RC-1262 Power Consumption in W 500W Power Consumption No-Sound (ECO on/off) in W 35W / 75W Standby Consumption in W 0.1 CEC Standby Consumption in W 0.5 Network Standby Consumption in W Less than 2.0 Maximum Dimensions Antenna:Horizontal: (W × D × H) in inches 17.1 × 13.4 × 6.6 Antenna:Vertical: (W × D × H) in inches 17.1 × 13.4 × 9.3 w/o Antenna: (W × D × H) in inches 17.1 × 13.0 × 6.6 Weight in lbs 21.4 Weight in lbs (Packaging) 26.9
Subwoofer Out	2	
Number of Power Amps	7	
Power Output	95 W (8 ohm, 20 Hz-20 kHz, 0.08% 2ch Drive)	
	125 W (6 ohm, 1 kHz, 0.7% 2ch Drive)	
70% Guarantee at 5ch Driven	Yes	
Other		
Multi-Source/ Multi-Zone	2	
Front Display	1 line FLD	
GUI Languages	3 (English/Français/Español)	

Inputs/Outputs	
Video	
HDMI In/Out	6 / 2
Audio	
Analog In/Out	4 / -
Phono (MM) In	Yes
Digital In: Optical, Coaxial	2, 1
Multi-zone Analog Preouts	1
Multichannel Pre-Out	Yes (2.2)
Other	
Number of Speaker Terminals	7
Speaker A/B	Assignable
Bi-amp Drive	Assignable
Multi-Zone Speaker Terminal	Assignable