



DENON AVC-X2850H

7.2 Ch. 150W 8K AV Amplifier Powered by HEOS®

Offering 150W per channel, the 7.2-channel Denon AVC-X2850H delivers powerful sound, 8K video, and immersive Dolby Atmos. HEOS® enables wireless streaming, while intuitive setup and room correction make every experience effortless—whether you're gaming, streaming, or watching movies.

HIGHLIGHTS	YOUR BENEFITS
Powerful, precise amplification	The ideal upgrade for new AV enthusiasts, the 7.2-channel AVC-X2850H is equipped with high-current discrete amplifiers, delivering 150 watts per channel for clean, dynamic, room-filling sound.
3D audio that pulls you in	With support for Dolby Atmos and DTS:X, step inside every scene with immersive 3D sound that surrounds you from above, behind, and all around.
Flexible system configuration	Configure a 5.2.2 Dolby Atmos or DTS:X system, build a 7.2 system with dual subs, or go with a small setup and use extra channels to power speakers in another space.
Support for high-definition picture	Watch movies and shows in breathtaking 8K detail or upscale content to 4K to make the most of your TV's resolution—with rich color and contrast from today's state-of-the-art high-definition media.
High-resolution audio playback	Supports playback formats up to 24-bit/192kHz for detailed, dynamic sound that reveals every nuance in your music.
HEOS wireless music streaming	Stream music wirelessly to Powered by HEOS® devices throughout your home. Build playlists, group speakers, and control it all from one app.
State-of-the-art HDMI	Six HDMI inputs and 2 outputs support latest HDMI technologies for 8K, eARC, and advanced HDR—perfect for gaming, streaming, and premium home theater setups.
Easy setup, expert results	Get started fast with Denon's award-winning Setup Assistant, then use Audyssey MultEQ XT to fine-tune your system to achieve the best sound in your space.
Channel levels, visualized	Channel Level Monitoring displays real-time speaker output levels right on your TV—perfect for learning more about your system or content or showing off your setup.
Supercharge gaming with next-level sound and speed	Experience 4K/120Hz, VRR, and ALLM plus 3D audio that tracks every move—built for next-gen consoles and full-throttle gameplay.
Two zones. Total freedom.	Play different audio in two spaces at once—movies in one room, music in another, for example—right from the AVC-X2850H.
Stay connected with Wi-Fi and Bluetooth	Stream music via Wi-Fi or Bluetooth and connect headphones with adjustable Bluetooth output for private listening anytime.

SINCE 1910 | DEFINING AUDIO EXCELLENCE





8K/HDCP 2.3

Enjoy pristine 8K picture quality on your 8K TV or projector. Supports both 8K pass-through and 8K upscaling of 1080p and 4K content. Supports HDCP 2.3, the latest copy protection standard, for peace of mind when streaming copy-protected content.

AirPlay 2

Stream audio or video from your favorite streaming services using your smart device. Hear audio perfectly synced to your speakers from AirPlay 2 sources. AirPlay 2 also supports multi-room audio.

Audyssey MultEQ XT

With the supplied measurement microphone, MultEQ XT analyzes each speaker and uses precision digital filters to optimize each channel for the correct frequency and time domain response.

Bluetooth and Wi-Fi

Enjoy listening to your favorite audio content wirelessly from your smart devices with Bluetooth or Wi-Fi.

HDR10+

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.

Denon AVR Remote app

The Denon AVR Remote control app allows you to turn the amplifier on and off, select an input source, adjust volume, and browse music from your phone or in a USB drive when connected to the amplifier.

Denon Setup Assistant

The award-winning guided Denon Setup Assistant provides simple, clear instructions to get started. Just connect your AV amplifier to your TV and follow the instructions on the TV screen.

Dolby Atmos

Upgrade your home theater with height speakers to unleash a fully immersive 3D audio experience, or 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 a stunning HDR imaging technology that brings extraordinary color, contrast, and brightness to the screen.

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 technology on HDMI inputs and output. ARC (Audio Return Channel) or eARC (Enhanced ARC) makes playing TV audio through your AV amplifier simple with just a single HDMI connection.

Powered by HEOS®

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.

High-res audio

The ability to decode high-res ALAC, FLAC and WAV lossless files up to 24-bit/192 kHz, as well as DSD 2.8MHz and 5.6MHz tracks (SACD) lets you enjoy each note exactly as the artist intended.

Multi-source, multi-room

This AV amplifier supports two source, two-zone audio. Enjoy surround sound in the main room and a separate source in the second room, or play the main audio source so everyone in your home can enjoy.

Next-generation gaming

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



Technical Information			
Number of Power Amps	7	General	
	95 watts (8 ohm, 20 Hz - 20 kHz, 0.08% 2ch Drive)		System Remote Control
	125 watts (6 ohm, 1 kHz, 0.7% 2ch Drive)		Power Consumption in W
	150 watts (6 ohm, 1 kHz, 1% 1ch Drive)		Standby Consumption in W
	185 watts (6 ohm, 1 kHz, 10% 1ch Drive)		CEC Standby Consumption in W
Other		Maximum Dimensions	
Auto Speaker Setup by Microphone	Audyssey MultEQ XT		Network Control On Consumption in W
Front Display	1-Line FLD		Less than 2.0W
GUI Languages	9		
Setup Assistant	Yes		
		Antenna, Horizontal: (W × D × H) in mm	434 × 341 × 167
		Antenna, Vertical: (W × D × H) in mm	434 × 341 × 237
		w/o Antenna: (W × D × H) in mm	434 × 330 × 167
		Weight in kg	9.5 kg
		Weight in kg (Packaging)	11.5 kg
		EAN AVCX2850HBKE2	0747192146924
		JAN AVCX2850HK	0747192147297

Inputs/Outputs	
VIDEO	
HDMI In/Out	6 (3× 8K) / 2
AUDIO	
Analogue In/Out	5 / 0
Phono (MM) In	Yes
Digital In: Optical / Coaxial	2 / 0
Multi-Room Out: Analogue/Digital	1 / 0
Multichannel Pre-Out	Yes (2ch)
Subwoofer Out	2
Other	
Available Finishes	Black
Number of Speaker Terminals	7
Speaker A/B	Assignable
Bi-Amp Drive	Assignable
Multi-Room Speaker Terminal	Assignable

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