

PRODUCT INFORMATION



DENON AVC-X6500H

11.2 CH 4K AV AMPLIFIER WITH 3D AUDIO AND AMAZON ALEXA VOICE CONTROL

CUTTING-EDGE HOME THEATER

The 11.2 channel AVC-X6500H supports Dolby Atmos, Auro-3D, and DTS:X for an enhanced home theater experience. It features 8 HDMI inputs and 3 outputs that support Dolby Vision, HDR10, HLG and 4K Ultra HD. Stream Spotify, Amazon Music, Tidal and more with HEOS built-in and control it with your voice through Amazon Alexa.

HIGHLIGHTS	YOUR BENEFITS
11.2 channel AV Amplifier with 205W per channel	11 powerful amplifiers in a monolithic design for ultimate clarity and power
Supports Dolby Atmos, DTS:X, Auro-3D and DTS Virtual:X	Enjoy a truly immersive, three-dimensional audio experience
Monolithic Amplifier Design with Denon Custom Made Transistors	Ultimate build-quality for reference-class audio experience
Amazon Alexa voice control compatibility	Hands-free control of your home theater and wireless music services
8 HDMI inputs (incl. 1 front) and 3 HDMI outputs with full HDCP 2.2 support	Connect to eight media devices and output to three displays
Enhanced Audio Return Channel (eARC) (via future firmware update)	Supports the latest 3D audio such as Dolby Atmos and DTS:X from your TV
4K/60 Hz full-rate pass-through, Dolby Vision compatibility, HDR10, HLG and BT.2020	Provides the greatest picture quality for brightness, clarity and contrast
Audyssey MultEQ XT32, Dynamic Volume and Dynamic EQ, LFC, Sub EQ HT	Delivering ultimate equalization for your individual room including subwoofer EQ
Award-winning Denon guided setup assistant and graphical user interface	Easy and intuitive out-of-box and setup experience
HEOS wireless music streaming technology and the HEOS app	Listen from any room of your home
AirPlay, Bluetooth, Internet Radio, Spotify Connect, Tidal, Deezer, Network Audio Streaming	Access to a wide array of unlimited online music sources
Front panel USB input	Convenient audio playback of MP3, WAV, FLAC, ALAC and DSD (2.8/5.6MHz) files
"ihiji Invision" and "Domotz Pro" remote system monitoring and management technology, RS232 Control	Lets custom integrators monitor and troubleshoot remotely, drastically reducing downtime

DENON 100+ YEARS "LEGACY OF FIRSTS" IN AUDIO TECHNOLOGY

	MULTEG ATED DYNAMEC VOLUME	Network	Homi 4	4K UHD	OLBY isf	Multi Zone			HRes Morks with Apple AirPlay Bluetooth
DENON BCO	amazon alexa	(C) napster	SOUNDCLOUD	music	DEEZER	Spotify 🕘	*** TIDAL	TUNE	www.denon.eu

Powerful 11-channel Amplifier with the Latest Home Cinema Specs

Featuring a sophisticated power amplifier design, the AVC-X6500H delivers high-power performance at 205 watts per channel (6 Ohms, 1kHz, 1%, 1ch Drive). Low impedance drivers provide operational stability for a wide range of speakers and create balanced, tonal sound. The AVC-X6500H features threedimensional sound formats Dolby Atmos, DTS:X, DTS Virtual:X and Auro-3D, plus an HDMI section with HDCP 2.2 support and advanced video processing with 4K scaling for HDMI sources and two 12V trigger outputs to connect external devices.

Dolby Atmos, DTS:X, DTS Virtual:X and Auro-3D

Immerse yourself in multi-dimensional audio with Dolby Atmos, DTS:X, DTS Virtual:X and Auro-3D. Set up Dolby Atmos with a 5.2.4 or 7.2.4 surround sound speaker system using Dolby Atmos elevation speakers, or dedicated overhead speakers, for the ultimate home theater experience. DTS:X and Neural:XTM give your movies, games and music a realism unmatched by traditional 5.1 surround sound. DTS Virtual:X provides immersive audio without height channels, creating virtual height effects in a 5.1, 7.1 or 2.1 speaker arrangement. Auro-3D® elevates the home theater experience to amazing new levels by delivering the excitement of three-dimensional sound for music, games, broadcast and films while enhancing your existing audio-visual collection through the Auromatic upmixing engine.

Amazon Alexa Voice Control

Control the AVC 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 AVC-X6500H, HEOS devices and other select Denon products.

Advanced HDMI Video Section with eARC

The latest HDMI specs for the best home theater experience. All eight HDMI inputs — and three HDMI outputs — feature HDCP 2.2 Support that lets you enjoy copy-protected content uninhibited. Watch movies and shows with 4K Ultra HD 60Hz video, 4:4:4 Pure Color sub-sampling, Dolby Vision, High Dynamic Range (HDR10), Hybrid Log-Gamma (HLG), eARC (enabled via firmware update) 21:9 video, 3D and BT.2020 passthrough support for exceptional color, clarity and contrast. Certified by the Imaging Science Foundation, the AVC-X6500H features a full suite of video calibration controls (for use by an ISF technician), along with ISF Day and ISF Night video modes.

Multi-source, Multi-room

With the Denon AVC-X6500H, it's possible to enjoy 5.1 channel surround sound in one room and a separate source or music stream in up-to two others for a total of 3 sources and 3 zones. Watch a movie in one room while another family member listens to music in a different zone without interruption.

Brilliant Picture Quality

The AVC-X6500H supports High Dynamic Range (HDR10) video format, Dolby Vision and HLG (Hybrid Log-Gamma). Dolby Vision transforms the viewing experiences with astonishing brightness, contrast, and color. HLG offers HDR technology over broadcast content.

Remote Monitoring Capability

In today's custom install environment, it's critical for integrators to provide quick, reliable assistance and service to their clients, even after the install is complete. To support this effort, the Denon AVC-X6500H AV receiver features "ihiji Invision" and "Domotz Pro" remote system monitoring and management technology.

Easy Setup Experience

The included AVC-X6500H Quick Start Guide provides simple, clear instructions for how to get started. Once you connect your TV to the AVC-X6500H via HDMI, the exclusive Denon Setup Assistant appears on your TV screen to walk you through setup, step-by-step. A row of color-coded speaker connections is laid out horizontally, making organizing and connecting speaker wires simple.

Built-in Bluetooth®, Wi-Fi and AirPlay 2 Capability

The heart of your wireless network. With Bluetooth and Wi-Fi wireless streaming connectivity, the Denon AVC-X6500H 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 Multi-room Streaming

Enjoy your favourite music in any room of your home wirelessly with built-in HEOS 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 providing cutting-edge voice control and incredible sound for all of your home entertainment.

Audyssey Audio Optimization

The AVC-X6500H easily guides you through the set-up process to ensure the most accurate configuration. Optimize all settings for the best possible sound and video quality with your system from the get-go. The most advanced Audyssey MultEQ XT32 room measurement system provides the best sound in every room — and with the optional MultEQ Editor app, go under the hood and set to your exact specifications.

Quick Selects for User-friendly Audio Tuning

The Denon AVC-X6500H front panel features four Quick Select buttons that store your preferred audio settings for each source. Switch between TV audio, Blu-ray, media players and more. Use the buttons on the front panel or opt for the same Quick Selects on the AVC remote for faster control.

Denon AVC Remote App for Seamless Control

Better control in your back pocket. The free Denon AVR Remote for iOS and Android makes using the AVC-X6500H even easier — adjust volume, turn it on or off, mute the music, select a source or switch to HEOS. Download the free Denon AVR Remote app to your smartphone or tablet today.

DSP Power Processing

Incredible power for your music and movie needs. The AVC-X6500H includes an advanced DSP (Digital Sound Processor) chip for tremendous power processing. With four 300MHz DSP cores that are capable of processing over one billion computations per second, the AVC-X6500H supports the latest video, sound and processing needs.

100+ Years of Firsts in Audio Technology

Founded in 1910, Denon has a deep heritage of "firsts" in audio technology — from Japan's first audio electronics manufacturer, to producing the world's first commercial CDs. This focused investment in audio R&D ensures you get the latest technology and highest quality with every listening experience.



Technical information				
Number of	11 (Front L/R, Center, Surround L/R,		S/N Ra	ati
power amps	Surround Back L/R, Height 1 (Front wide) L/R, Height 2 L/R)		General	
	wide) L/n, height 2 L/n)		Power	í S
Power output	205 watts per channel (6 ohms, 1 kHz, THD 1%, 1ch driven)		Power	C
	175 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven)		Power No-So	
	140 watts per channel (8 ohms,	Dimensi		
20 Hz - 20 kHz, THD 0.08%, 2ch driven)		Weight		ıt
Speaker impedance	4 - 16Ω/ohms			
Preamplifier section			EAN	A
Input sensitivity/	200 mV			A
impedance			UK	A
Frequency response	10 Hz - 100 kHz — +1, -3 dB (Direct mode)			A

D&M Europe B.V. A Division of Sound United Beemdstraat 11 5653 MA Eindhoven

The Netherlands

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S/N Ra	atio	100 dB (IHF-A weighted, Direct mode)			
General					
Power	supply	AC 230 V, 50/60 Hz			
Power	consumption	750 W (Standby 0.1 W, CEC standby 0.5 W)			
Power consumption No-Sound		65 W (ECO Mode on), 110 W (ECO Mode off)			
Dimensions (W x H x D)		434 x 167 x 379 mm			
Weight		14.6 kg			
EAN	AVCX6500HBKE2		4951035065877	Black	
	AVCX6500HSPE2		4951035065884	Silver	
UK	AVCX6500HBKE2G	iB	4951035066447	Black	
	AVRX6500HSPE2G	В	4951035066454	Silver	

Ports					
IN	HDMI (Front 1)	x 8			
	Component (video)	x 2			
	Composite (video)	x 4			
	Phono	x 1			
	Analog Audio	x 6			
	Digital Optical / Coaxial	x 2 / x 2			
	USB (front)	x 1			
OUT	HDMI Monitor / Zone 2	x 2 / x 1			
	Component (video)	x 1			
	Composite (video)	x 1			
	Audio Pre-out	11.2 ch			
	Zone 2 / Zone 3 Pre-out	2.0 ch			
	Phones	x 1			
	RS232 /12 V Trigger out	x 1 / x 2			

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* All specs can be subject to change