DENON®

PRODUCT INFORMATION



DENON AVC-X8500H

THE WORLD'S FIRST 13.2 CHANNEL AV AMPLIFIER

WORLD-CLASS HOME ENTERTAINMENT

HEOS®

The Denon Flagship AVC-X8500H powers the next generation of home theatre with the world's first 13.2 channel AV Amplifier that supports the latest immersive audio formats, including Dolby Atmos®, DTS:X and Auro-3D. Built in HEOS technology that supports Amazon Alexa* also allows you to take your music listening experience to the next level, with support for your favourite music streaming services and voice control.

HIGHLIGHTS	YOUR BENEFITS
13.2 channel AV Amplifier with 210W per channel	13 powerful amplifiers for an ultimate 3D audio performance with Denon sound
210 watts per channel (6 ohms, 1 kHz, THD 1%, 1ch driven)	Clearer, more powerful sound
Monolithic amplifier design with Denon custom-made transistors	Ultimate build-quality for a reference-class audio experience
Supports Dolby Atmos (up to 7.1.6 or 9.1.4), DTS:X and Auro-3D (up to 13.1)	Enjoy an immersive, three-dimensional audio experience
8x High-performance 192kHz/32bit stereo D/A converters for 13.2 channels	Provides the highest resolution for music and movies
Audyssey MultEQ XT32, LFC, Sub EQ HT, Dynamic Volume and DynamicEQ	Complete customised equalisation in your listening room
4K/60 Hz, 4:4:4 colour resolution, HDR, BT.2020, Dolby Vision and HLG	Provides the greatest picture quality
8 HDMI inputs (including 1 front) with full HDCP 2.2 support and 3 HDMI outputs	Connect up to eight of your favourite media devices and output to three displays
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
High resolution DSD (2.8/5.6MHz), FLAC, ALAC and WAV support	High resolution audio streaming for HiFi enthusiasts, even in gapless
Advanced multi-room options; 15.2ch pre-out; RS232 control	Audio and video in multiple rooms; ready for third-party home automation systems

DOLBY ATMOS · dts:X · Auro-3D · Wi Fi CERTIFIED · AUDYSSEY MULTEQ XT32 · AL32 PROCESSING MULTI CHANNEL · Denon Link HD · D·D·S·C HD32 · Network · HDMI · 4K UHD HDR / HDCP 2.2 · COMPATIBLE DOLBY VISION

Made for iPod iPhone · AirPlay · HEOS · Spotify · DEEZER · TIDAL · Bluetooth · AVR DENON · eco mode · WORKS WITH amazon alexa*

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Powerful 13.2 Channel Home Theatre Experience
Ushers in a leading-edge home theatre experience with a 13.2 channel array that provides the most immersive premium 3D surround sound up to 7.2.6 without external amplification and the highest quality video with 4K Ultra HD, HDR, Dolby Vision, and more.

Supports Latest Surround Audio Formats
Immerse yourself in multi-dimensional sound — the Denon AVC-X8500H powers Dolby Atmos, DTS:X and Auro-3D formats. Auro 3D will be enabled via future firmware update at no additional charge.

Dolby Atmos
Immerse yourself in multi-dimensional audio with Dolby Atmos. Enjoy a 7.1.6 or 9.1.4 surround sound speaker system with as many as 6 overhead speakers or Dolby Atmos elevation speakers for the ultimate home theatre experience.

DTS:X™
DTS:X™ immersive audio places sound where it would occur naturally in space, creating a lifelike, multi-dimensional audio experience in the home. The improved immersion and heightened realism draw you into the world of your favourite movies. The included DTS Neural:X™ gives your movies, games and music a realism unmatched by traditional 5.1 surround sound.

Auro-3D
Auro-3D provides an immersive surround sound experience thanks to dedicated height and overhead channels, in addition to traditional channels supporting up to a 13.1 configuration. Formatting identifies sound objects individually and projects them to different spaces in your listening environment, creating an immersive, three-dimensional sound stage. Auro 3D will be enabled via a future firmware update at no additional charge.

Dolby Vision
Enjoy the latest in picture quality with Dolby Vision compatibility as well as support for 4K/60 Hz full-rate pass-through, 4:4:4 colour resolution, HDR and BT.2020.

Built-in Bluetooth, Wi-Fi and AirPlay Capability
Featuring Bluetooth and Wi-Fi wireless streaming connectivity, the Denon AVC-X8500H is equipped with an advanced dual antenna transceiver system for robust streaming even in congested urban environments. Plus, with Apple's AirPlay compatibility, you can enjoy listening to your favourite audio content wirelessly from your iOS devices such as an iPhone or iPad.

HEOS
Built-in HEOS technology lets you enjoy your favourite music in any room of your home for a wireless, whole-home audio experience. 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.

High-Resolution Audio Support
Discover the incredible fidelity of high-resolution audio tracks with the ability to decode up to 24-bit/192-kHz ALAC, FLAC and WAV lossless files as well as DSD 2.8MHz and 5.6MHz tracks (the audiophile format of SACD) via the front panel USB port and network sources. Or, listen to other popular file types such as MP3.

Smart TV Connectivity
Control your Denon AVC-X8500H with your Smart TV remote via the HDMI CEC functionality associated with your Smart TV. Simply set "HDMI Control" to ON in your receiver, then set "Smart Menu" to ON and begin controlling the AVC-X8500H with your TV remote. The Smart Menu home screen provides quick access to source and surround mode selections, the AVC's setup menu and four Smart Selects.

Best Possible Sound Stage
For optimum fidelity and the widest dynamic range with lowest distortion, the Denon AVC-X8500H features 8 times advanced reference-class 32-bit AKM AK4490EQ stereo D/A converters for the 13.2 channels. Enjoy consistent high-fidelity and precise channel matching for the ultimate listening experience.

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 — Denon's investment in audio R&D ensures you are getting the latest technology and highest quality with every listening experience.

Audyssey MultEQ
Equipped with the full Audyssey Platinum suite of advanced DSP algorithms, the AVC-X8500H features Audyssey MultEQ XT32 automatic room acoustic correction. With the supplied measurement microphone, MultEQ XT32 analyses each speaker's output (including the subwoofers) at up to eight measurement locations and generates precision digital filters that optimise each channel for the correct frequency and time domain response. Plus, the Audyssey MultEQ Editor app lets you view and adjust settings for detailed tuning and customise the sound more precisely to your room and tastes.

External Control and IP Control Capabilities
As a part of Denon's range of custom-integration-friendly AV components, the AVC-X8500H comes equipped with a range of features to provide enhanced control capabilities and compatibility with third-party and custom integration solutions. It features IP control capability for integration with major third-party control devices and Control4 SDDP (Simple Device Detection Protocol) certification. An RS-232C serial port is available to directly connect to external home automation and control equipment, and an IR (infrared) remote control input on the rear panel enables remote control compatibility with other components in your home theatre system.



Technical information

Number of power amps	13 (Front L/R, Center, Surround L/R, Surround Back L/R, Height 1 (Front wide) L/R, Height 2 L/R, Height 3 L/R, Height 4 Front Wide L/R)
Power output	210 watts per channel (6 ohms, 1 kHz, THD 1%, 1ch driven)
	190 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven)
	150 watts per channel (8 ohms, 20 Hz - 20 kHz, THD 0.05%, 2ch driven)
Speaker impedance	4 - 16 ohms
Preamplifier section	
Input sensitivity/ impedance	200 mV / 47 kohms
Frequency response	10 Hz - 100 kHz — +1, –3 dB (DIRECT mode)
S/N Ratio	100 dB (IHF-A weighted, DIRECT mode)

General	
Power supply	AC 230 V, 50 Hz
Power consumption	900 W (Standby 0.1 W, CEC standby 0.5 W)
Power consumption No-Sound	70 W (ECO on), 125 W (ECO off)
Dimensions (W x H x D)	434 × 195 × 482 mm
Weight	23.3 kg

EAN			
EU	AVCX8500HBKE3	4951035060889	Black
	AVCX8500HSPE2	4951035060896	Premium Silver
UK	AVCX8500HBKE2GB	4951035060902	Black
	AVCX8500HSPE2GB	4951035060919	Premium Silver

Ports		
IN	HDMI (Front 1)	x 8
	Component (video)	x 3
	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	x 1
	Composite Monitor	x 1
	Audio Pre-out (SW)	15.2 ch
	Zone 2 / Zone 3 Pre-out	2.0 ch
	USB (rear - power only)	x 1
OTHER	Ethernet	x 1
	Microphone Port	x 1
	RS232 /12 V Trigger out	x 1 / x 1

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All specs can be subject to change

* The Amazon Alexa feature becomes available in Spring 2018. Availability varies by country.