# 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 · AURO3D AUDIO · WiFi 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*

www.denon.com.au

**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 |
| Colour | Black |

### 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 |
| | FM Tuner Antenna | x 1 |
| | AM Tuner Antenna | x 1 |
| | RS232 /12 V Trigger out | x 1 / x 1 |