# DENON

# DENON AVC-X8500HA

## 13.2Ch 8K AV Amplifier with 3D Audio, HEOS® Built-in and Voice Control

Powering the next generation in entertainment, the AVC-X8500HA offers powerful 13 channel amplification and full 8K pass-through. Our newest flagship AV Amplifier supports the latest surround sound formats, such as Dolby Atmos®, DTS:X®, DTS:X® Pro, IMAX Enhanced®, and even Auro-3D®. HEOS® Built-in adds wireless music streaming, voice control, and multi-room capability to your home entertainment.

| HIGHLIGHTS | YOUR BENEFITS |
| --- | --- |
| Ultimate-performance discrete 13-channel amplifier | Delivers a precise and powerful 150W per channel (8 ohms, 20Hz-20kHz, THD: 0.05%, 2ch drive), to provide trusted, precise, and powerful Denon sound. |
| Full 8K/60Hz and 4K/120Hz pass-through and upscaling | With support for the latest in HDMI technology, you can enjoy 8K video with the highest quality available, with 1 supported 8K input and 2 outputs allowing for 8K/60Hz and 4K/120Hz pass-through and upscaling. 8K upscaling is available on all 8 HDMI inputs. |
| Enhanced Audio Return Channel (eARC) HDMI support | Through the main HDMI output, connect your TV via HDMI to allow uncompressed and object-based audio formats like Dolby Atmos® and DTS:X® to be sent directly via eARC from your smart TV app to the AV Amplifier. |
| The latest in 3D sound | Enjoy immersive 3D audio from your favourite movies with Dolby Atmos®, Dolby Atmos Height Virtualization, DTS:X®, DTS Virtual:X™, DTS:X® Pro, IMAX Enhanced, and Auro-3D®. |
| The latest in video compatibility | Supports all leading High Dynamic Range formats including HDR10, HDR10+, HLG, Dolby Vision, as well as Dynamic HDR to provide exceptional brightness, clarity, and contrast for the greatest picture quality. The latest gaming features like Auto Low Latency Mode and Variable Refresh Rate are on board as well.. |
| Hi-Res Audio streaming for Hi-Fi enthusiasts | Enjoy your favourite digital Hi-Res Audio files with FLAC, ALAC, and WAV support, as well as DSD 2.8/5.6MHz. |
| HEOS® Built-in wireless multi-room music streaming technology | Listen from any room for a connected, whole-home audio experience. The AVC-X8500HA also works with the newly introduced Denon Home speakers to let you enjoy a whole-home audio experience. |

## SINCE 1910 | DEFINING AUDIO EXCELLENCE

8K UHD HDR / HDCP 2.3 · Dolby ATMOS · dts x · IMAX ENHANCED · Auro 3D · HDMI · Dolby VISION · HDR10+ · HEOS BUILT-IN · works with alexa · works with Hey Google · Works with Apple AirPlay

WiFi CERTIFIED · Bluetooth · AUDYSSEY MULTEQ XT32 DYNAMIC VOLUME · AUDYSSEY LFC · AL 32 PROCESSING MULTI CHANNEL · D·D·S·C HD32 · isf ccc · Hi-Res AUDIO · roon tested · Spotify

amazon music HD · TIDAL · ♫ · TUNE IN · deezer · napster · SOUNDCLOUD

### The Ultimate 13.2 Channel Home Theater Experience
Featuring Denon's most advanced and sophisticated power amplifier design, the AVC-X8500HA delivers high-power performance at 150 watts per channel (8 Ohms, 20Hz-20kHz, THD: 0.05%, 2Ch driven) to ensure a dynamic and precise entertainment experience. Low impedance drivers provide operational stability for a wide range of speakers and create a balanced, tonal sound.

### Advanced 8K HDMI Video Section and Various HDR Format Support
Enjoy your favourite movies, shows and games with the best picture quality available. The AVC-X8500HA offers an advanced HDMI section (8 in /3 out) with a dedicated 8K input that supports 8K/60Hz or 4K/120Hz video pass-through. All HDMI inputs feature 4:4:4 Pure Color sub sampling, HDR10, Dolby Vision, Hybrid Log-Gamma (HLG) and BT.2020 pass-through support for exceptional colour, clarity, and contrast. Enjoy 8K upscaling and HDCP 2.3 processing to freely play copy-protected content on all HDMI inputs.

### Brilliant Color – Universal Compatibility, HDR10+ and Dynamic HDR
The AVC-X8500HA supports High Dynamic Range video formats HDR10, 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 for a crisper, cleaner image. The AVC-X8500HA also supports HDR10+, which sends dynamic meta data to the TV for more realistic images, as well as Dynamic HDR.

(Some technologies are not available on all televisions).

### Full 3D Audio Support up to 13.2 Channels
Immerse yourself in 3D audio with Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X®, DTS Virtual:X™, DTS:X Pro®, IMAX® Enhanced, and Auro-3D®. The AVC-X8500HA supports up to 13.2 channels to power up to a 7.2.6 or 9.2.4 speaker configuration for more immersive, 3D audio experiences.

### Enhanced Audio Return Channel (eARC) Support
The main HDMI output of the AVC-X8500HA supports eARC (enhanced Audio Return Channel) to enable uncompressed and object-based audio transmission, like Dolby Atmos and DTS:X, directly from your smart TV apps.

### Dolby Atmos® and Dolby Atmos Height Virtualization Technology
Feel every dimension in Dolby Atmos®. Enjoy a 7.1 or 9.1 surround sound speaker system and additional overhead speakers or Dolby Atmos elevation speakers for the ultimate home theater experience — including Dolby Surround up-mixer for legacy content.

For those without in-ceiling speakers, Dolby Atmos Height Virtualization Technology leverages Dolby's deep understanding of human audio perception to create the sensation of overhead sound from listener-level speakers.

### DTS:X® and DTS Virtual:X™
DTS:X® immersive audio content places sound where it would naturally occur in space, creating life-like 3D audio. The included spatial remapping engine of DTS Neural:X™ offers improved immersion and heightened realism for all your favourite movies.

DTS Virtual:X™ provides immersive audio without height channels, creating virtual height effects in a 7.1, 5.1, or 2.1 speaker arrangement.

### DTS:X® Pro
Featuring the latest audio format support to experience your entertainment decoded with the most current DTS 3D audio technology. Enjoy up to 13.2 channels of audio processing with DTS:X® Pro for full surround sound in exquisite detail.

### IMAX® Enhanced
Get the most premium at-home entertainment experience with IMAX® Enhanced — the latest technology from DTS that sets a new standard for home theater imaging, sound, scale, and clarity. Content is digitally remastered by IMAX for clearer, brighter images and immersive, heart-pounding audio.

### Auro-3D®
With a combination of traditional channels supporting up to a 13.2 configuration and dedicated height and overhead channels, Auro-3D® provides an immersive surround sound experience. Audio formatting identifies sound objects individually and projects them to different spaces in your listening environment, creating an immersive, 3D sound stage.

### Take A Role in All of Your Favourite Films
Enjoy all your entertainment with the latest technology available and watch your movies in unprecedented clarity. Experience movies in 8K with 8K/60Hz pass-through or upscaling, as well as the latest in AV amplifier technology like Quick Media Switching (QMS) which is used to eliminate video delay in movies.

### The Next Level in Gaming
The AVC-X8500HA delivers the most up to date gaming thrills with 4K/120Hz pass-through, as well as Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM), which reduces or eliminates lag and frame tearing to offer a smoother, lag-free gaming experience.

### Works with Amazon Alexa
Use hands-free control 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-X8500HA, HEOS devices, and other select Denon products. External voice access point needed.

### Works with Google Assistant
Start music in the HEOS app, then ask your Google Assistant to control volume, play, pause, skip tracks and more. External voice access point needed.

### Apple AirPlay 2 Built-in
Use AirPlay 2 to stream Apple music wirelessly to the AV amplifier, or group with other AirPlay compatible speakers to fill your home with music.

### Built-in Bluetooth and Wi-Fi Capability
The Denon AVC-X8500HA is equipped with an advanced dual antenna transceiver system for robust Bluetooth or WiFi streaming even in congested urban environments. Enjoy listening to your favourite audio content wirelessly from your smart devices.

### HEOS® Built-in Multi-Room Streaming
With HEOS Built-in, every room in your home can have its own sound. Or, group HEOS enabled devices like wireless speakers, soundbars, or AV amplifiers to fill the house with the same song, using your home network. With HEOS Built-in, multi-room means multiple options. Also works with Amazon Alexa, Google Assistant, and Apple Siri to provide modern voice control and incredible sound for all your home entertainment.

HEOS® supports all your favourite free and premium services like Spotify, Amazon Music HD, TIDAL, TuneIn, SoundCloud, and more.

(Not all music services available in all regions.)

### High-Resolution Audio Support
Discover the incredible fidelity of Hi-Res Audio tracks with the ability to decode up to 192-kHz/24-bit 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.

### AL32 Processing Multichannel
Listen with advanced Denon audio processing features such as AL32 Processing. Denon-proprietary AL32 Processing technology provides multi-channel, ultra-high-resolution digital audio filtering on all audio channels and delivers a natural soundstage with enhanced sound imaging.

### Phono Input for Turntable / Vinyl Support
The AVC-X8500HA offers the latest in AV amplifier technology yet remains deeply committed to the Denon legacy of audio excellence. The included phono input lets you connect your turntable and enjoy your vinyl collection in exceptional clarity.

## Technical Information

| Number of Power Amps | 13 |
| --- | --- |
| 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, 20Hz-20kHz, THD: 0.05%, 2ch driven) |
| Speaker Impedance | 4-16Ω/ohms |
| **Preamplifier Section** | |
| Frequency Response | 10 Hz- 100 kHz - +1, -3 dB (Direct Mode) |
| S/N Ratio | 102 dB (IHF-A weighted, Direct mode) |

### General

| Power Supply | 230V/50/60Hz |
| --- | --- |
| Power Consumption | 900W (Standby 0.1W, CEC standby 0.5W) |
| Power Consumption (No Sound) | 70W (ECO Mode On) 125W (ECO Mode Off) |
| Maximum Dimensions (WxDxH) Antenna:Horizontal (mm) Antenna:Vertical (mm) w/o Antenna: (mm) | 434 x 482 X 195 434 x 482 X 259 434 x 472 x 195 |
| Carton Dimensions (Packaging) (WxDxH) (in) | 569 x 539 x 328 |
| Weight (kg) | 23.3 |
| Weight (Packaging) (kg) | 26.9 |

### EAN

| AVCX8500HABKE2 Black | 4951035074107 |
| --- | --- |
| AVCX8500HASPE2 Silver | 4951035074114 |

## Ports

| In | HDMI (Front + 1) | x7 + 1 |
| --- | --- | --- |
| | 8K HDMI | x1 |
| | Component (Video) | x3 |
| | Composite | x4 |
| | Phono | x1 |
| | Analogue Audio | x6 |
| | Digital Optical | x2 |
| | Coaxial | x2 |
| Out | HDMI Monitor (eARC) | x3 (1 w/ eARC) |
| | 8K HDMI | x2 |
| | Component (Video) | x1 |
| | Composite | x2 |
| | Audio Pre-out (SW) | 15.2 ch |