

# DENON®

PRODUCT INFORMATION



## DENON AVC-X8500H

THE WORLD'S FIRST 13.2 CHANNEL AV AMPLIFIER

# WORLD-CLASS HOME ENTERTAINMENT



The Denon Flagship AVC-X8500H powers the next generation of home theater with the world's first 13.2 channel AV receiver 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

13.2 channel AV receiver with 210W per channel  
 210 watts per channel (6 ohms, 1 kHz, THD 1%, 1ch driven)  
 Monolithic amplifier design with Denon custom-made transistors  
 Supports Dolby Atmos (up to 7.1.6 or 9.1.4), DTS:X and Auro-3D (up to 13.1)  
 8x High-performance 192kHz/32bit stereo D/A converters for 13.2 channels  
 Audyssey MultEQ XT32, LFC, Sub EQ HT, Dynamic Volume and DynamicEQ  
 4K/60 Hz, 4:4:4 colour resolution, HDR, BT.2020, Dolby Vision and HLG  
 8 HDMI inputs (including 1 front) with full HDCP 2.2 support and 3 HDMI outputs  
 HEOS wireless music streaming technology and the HEOS app  
 AirPlay, Bluetooth, Internet Radio, Spotify Connect, Tidal, Deezer, Network Audio Streaming  
 High resolution DSD (2.8/5.6MHz), FLAC, ALAC and WAV support  
 Advanced multi-room options; 15.2ch pre-out; RS232 control

## YOUR BENEFITS

13 powerful amplifiers for an ultimate 3D audio performance with Denon sound  
 Clearer, more powerful sound  
 Ultimate build-quality for a reference-class audio experience  
 Enjoy an immersive, three-dimensional audio experience  
 Provides the highest resolution for music and movies  
 Complete customised equalisation in your listening room  
 Provides the greatest picture quality  
 Connect up to eight of your favourite media devices and output to three displays  
 Listen from any room of your home  
 Access to a wide array of unlimited online music sources  
 High resolution audio streaming for HiFi enthusiasts, even in gapless  
 Audio and video in multiple rooms; ready for third-party home automation systems



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## Powerful 13.2 Channel Home Theater Experience

Ushers in a leading-edge home theater 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 theater 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.

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       |
|       | FM Tuner Antenna          | x 1       |
|       | AM Tuner Antenna          | 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.