The Denon Flagship AVR-X8500H powers the next generation of home theater with the world’s first 13.2 channel receiver that supports the latest immersive audio formats, including Dolby Atmos®, DTS:X and Auro-3D. Built-in HEOS technology that supports Amazon Alexa takes music listening to the next level with support for your favorite music streaming services and voice control.

**World-Class Home Entertainment**

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**Highlights**

- 13.2 channel AV receiver with 150W per channel
- 150 watts per channel (8 ohms, 20 Hz - 20 kHz, THD 0.05%, 2ch 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)
- High-performance 192kHz/32bit D/A converters for all channels
- Audyssey MultEQ XT32, LFC, Sub EQ HT, Dynamic Volume and DynamicEQ
- 4K/60 Hz, 4:4:4 color 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
- Audyssey MultEQ XT32, Dynamic Volume and Dynamic EQ, LFC, Sub EQ HT
- Advanced multi-room options; 11.2ch pre-out; RS232 control
- Audyssey MultEQ XT32, Dynamic Volume and DynamicEQ, LFC, Sub EQ HT

**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 customized equalization in your listening room
- Provides the greatest picture quality
- Connect up to eight of your favorite 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
- Delivers ultimate equalization for your individual room including subwoofer EQ
- Audio and video in multiple rooms; ready for third-party home automation systems

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 favorite 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 to traditional channels supporting up to a 13.1 configuration. Auro 3D is available to directly connect to external home automation and control systems. It features IP control capability for integration solutions. It features IP control capability for integration with 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 theater system.

**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 sound experience available 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 AVR-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 system 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 favorite 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 to traditional channels supporting up to a 13.1 configuration. Auro 3D is available to directly connect to external home automation and control systems. It features IP control capability for integration solutions. It features IP control capability for integration with 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 theater system.

**High-Resolution Audio Support**

Discover the incredible fidelity of high-resolution audio tracks with the ability to decode up to 24-bit/192-kHz FLAC, WAV, 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 AVR-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 AVR-X8500H with your TV remote. The Smart Menu home screen provides quick access to source and surround mode selections, the AVR’s setup menu and four Smart Selects.

**Best Possible Sound Stage**

For optimum fidelity and the widest dynamic range with lowest distortion, the Denon AVR-X8500H features advanced reference-class 32-bit AKM AK4458VN D/A converters on all 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 CDIs — 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 AVR-X8500H features Audyssey MultEQ XT32 automatic room acoustic correction. With the supplied measurement microphone, MultEQ XT32 analyzes each speaker’s output (including the subwoofers) at up to eight measurement locations and generates precision digital filters that optimize 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 customize the sound more precisely to your room and tastes.

**External Control and IP Control Capabilities**

As a part of Denon’s range of IN-Command series of custom-integration-friendly AV components, the AVR-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 SDIP (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 theater system.

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**Technical Information**

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<th>Number of power amps</th>
<th>Power output</th>
<th>Speaker impedance</th>
<th>Preamplifier section</th>
<th>S/N Ratio</th>
<th>Tuning frequency range</th>
<th>Tuning frequency range</th>
<th>Power supply</th>
<th>Power consumption</th>
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<tbody>
<tr>
<td>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)</td>
<td>205 watts per channel (6 ohms, 1 kHz, THD 1%, 1ch driven)</td>
<td>4 - 16 ohms</td>
<td>200 mV / 47 kohms</td>
<td>100 dB (HF-A weighted, DIRECT mode)</td>
<td>87.5 - 108 MHz</td>
<td>522 kHz – 1611 kHz</td>
<td>AC 230 V, 50 Hz</td>
<td>750 W (Standby 0.1 W, CEC standby 0.5 W)</td>
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<td>175 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven)</td>
<td>150 watts per channel (8 ohms, 20 kHz - 20 kHz, THD 0.05%, 2ch driven)</td>
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<td><strong>Power consumption</strong></td>
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**UPC**

AVRX8500HBKE3: 883785004374 Black
AVRX8500HSPE3: 883785004381 Premium Silver

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**Ports**

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<td>HDMI (Front 1)</td>
<td>HDMI Monitor / Zone 2</td>
<td>Ethernet</td>
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<td>Component (video)</td>
<td>Composite Monitor</td>
<td>Microphone Port</td>
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<td>FM Tuner Antenna</td>
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<td>Phono</td>
<td>Zone 2 / Zone 3 Pre-out</td>
<td>AM Tuner Antenna</td>
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<td>Analog Audio</td>
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<td>RS232 / 12 V Trigger out</td>
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