



# DENON AVR-X2800H

## Upgrade Your Home Theater

Powering 95W per channel, the Denon AVR-X2800H 7.2 channel 8K AV receiver delivers a fully enveloping 3D audio experience, amazing picture quality, and lag-free gaming experience thanks to Dolby Atmos®, DTS:X®, and the latest HDMI technology featuring HDR10+, Dolby Vision™, 8K/60 and 4K/120 passthrough. Powered by HEOS® Built-in technology, stream your favorite music tracks wirelessly through Spotify, Tidal, Amazon Music HD, AirPlay 2, and more. With our award-winning Denon Setup Assistant and Audyssey MultEQ XT32 room correction technology, the X2800H ensures your system sounds better than ever.

| HIGHLIGHTS                                           | YOUR BENEFITS                                                                                                                                                                                                                |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High performance discrete 7-channel amplifier        | Discrete high-current amplifiers on all channels to deliver up to 90W per channel (at 8 ohms, 20-20kHz, THD 0.08%)—enough power to drive any speaker.                                                                        |
| Immersive audio experience                           | Get immersed in music and movies with Dolby Atmos® and DTS:X® plus Dolby Surround and DTS Neural:X upmixer to optimize legacy content.                                                                                       |
| Advanced 8K home theater                             | 8K video is supported on three of six HDMI inputs and 2 outputs. Enjoy easy video compatibility and great picture quality with HLG, HDR, Dolby Vision, HDR10+, and Dynamic HDR passthrough.                                  |
| HEOS® Built-in technology                            | Stream music wirelessly to compatible HEOS-enabled components from a variety of streaming services. Add Denon Home speakers to more rooms and control it all with the HEOS app.                                              |
| Built-in Wi-Fi and Bluetooth                         | Provides both Wi-Fi and Bluetooth connectivity for your wireless network or direct music streaming from your smart devices. Use AirPlay to stream Apple Music.                                                               |
| Simple setup and Audyssey room correction technology | Our award-winning guided setup assistant provides clear, step-by-step instructions to get you started. Includes Audyssey MultEQ XT32 software for accurate calibration that optimizes the listening experience in your room. |
| Over a century of innovation                         | Founded in 1910, Denon enables the moments that matter through the relentless pursuit of quality, innovation, and audio performance.                                                                                         |

SINCE 1910 | DEFINING AUDIO EXCELLENCE





Dolby Audio Technology

Feel every dimension in Dolby Atmos. Upgrade your home theater with height speakers to unleash a fully immersive 3D audio experience from Dolby Atmos content. Dolby Surround upmixer engages all speakers to create 3D audio sensation from legacy content. Dolby Atmos Height Virtualization Technology creates the sensation of overhead sound even without height speakers. You can also enjoy Dolby Atmos music tracks available from Apple Music, Amazon HD, and TIDAL and a compatible streaming device.

DTS:X

DTS:X immersive audio content places sound where it would naturally occur in space, creating lifelike, multidimensional audio. DTS Neural:X upmixer offers improved immersion and heightened realism for legacy content. DTS Virtual:X provides immersive audio without height channels, creating virtual height effects in a 7.1, 5.1, or 2.1 speaker setup.

HDMI Connectivity with ARC/eARC

Supports the latest technology on all HDMI inputs and output. ARC (Audio Return Channel) or eARC (Enhanced Audio Return Channel) makes playing TV audio through your AV receiver simple, with just a single HDMI connection. eARC provides HD and 3D audio transmission such as Dolby TrueHD, DTS HD Master Audio, and Dolby Atmos while ARC is limited to conventional 5.1ch audio formats or PCM.

8K/HDCP 2.3

Enjoy pristine 8K picture quality on your 8K TV or projector. Supports both 8K pass-through and 8K upscaling of 4K content. Supports HDCP 2.3, the latest copy protection standard, for peace of mind when streaming copy protected content.

Brilliant color from HDR 10+

Supports HDR (High Dynamic Range), HLG (Hybrid Log Gamma), as well as Dynamic HDR and HDR10+ pass-through. HLG offers HDR technology over broadcast content. Both Dynamic HDR and HDR10+ use dynamic metadata to optimize shadows and highlights as screens change.

Dolby Vision

Dolby Vision is a stunning HDR imaging technology that brings extraordinary color, contrast, and brightness to the screen. Compatible with Dolby Vision so you can enjoy Dolby Vision content from a compatible source device and TV.

Next-generation gaming

Supports Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM) for smooth, lag-free gaming experience when connected with the compatible gaming devices.

HEOS Built-in

With HEOS® Built-in, your AV receiver can stream music wirelessly across compatible HEOS components from a variety of free and premium streaming services. Consumers can also enjoy their favorite music in any room of the home wirelessly. Play the same song in every room or select a different song for each connected room via a variety of streaming sources. Add Denon Home speakers to more rooms and control it all with the HEOS app.

Airplay 2 and Apple Siri Voice Control

Use AirPlay 2 to stream Apple music wirelessly to the AV receiver, or group with other AirPlay compatible speakers to fill your home with music.

Works with Amazon Alexa

Control your AV receiver handsfree 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 free HEOS Home Entertainment Skill to enable Amazon Alexa voice commands. Requires Alexa app and Amazon Echo, Dot, or equivalent.

High-resolution audio via USB input

Discover the incredible fidelity of high-resolution audio tracks and enjoy music as the artist intended. A front USB port supports up to 24bit/192kHz hires audio playback from a USB drive. Supported audio formats are MP3, WMA, WAV, MPEG-4/AAC, FLAC, and ALAC.

Bluetooth audio transmitter

Pair your favorite Bluetooth headphones with your AV receiver to continue listening to your favorite music, movies, or TV programs at night. You can also play audio from both speakers and Bluetooth headphones simultaneously. If you have a family member or a friend who is hearing impaired, we recommend this setup. You can connect one pair of headphones at a time.

Multi-source, multi-room

By connecting a pair of speakers in a second room to the AV receiver, it's possible to enjoy 5.1 channel surround sound in the main room and a separate source or music stream in the second room, such as den or patio. You can also play the same audio in both so that everyone in your home can enjoy and cheer your favorite team on Sunday evening or listen to the same song in both rooms. The AV receiver supports 2-source, 2-zone audio.

Denon Setup Assistant

Award-winning guide Denon Setup Assistant supplies simple, clear instructions to get started. Just connect your AV receiver to your TV and follow the instructions on the TV screen to connect your speakers, perform speaker measurements, and connect source devices. For additional convenience, the AV receiver renames HDMI inputs automatically when connected or you can rename manually at your convenience.

Audyssey suite of roomcorrection technology

Denon AV receivers use the Audyssey suite of EQ software for simple, accurate setup and calibration. With the supplied Audyssey measuring microphone, Audyssey measures all the speakers in your home theater, and tunes the AV receiver to provide the smoothest, most optimal overall listening experience for your room. This AV receiver supports Audyssey MultEQ room-correction technology. The other supported Audyssey features are Dynamic EQ and Dynamic Volume.

Audyssey MultEQ Editor app

You can go even further with the Audyssey MultEQ Editor app, going “under the hood” to view and adjust settings for detailed tuning—allowing you to customize the sound more precisely to the specific problems in your room and tailor the sound to your personal preferences. With this comprehensive app, you can harness the power of Audyssey MultEQ to take total control of the way your home cinema sounds. The app is available for purchase in iOS and Google Play stores.

Denon AVR Remote app

This iOS or Android control app allows you to turn the receiver on and off, select an input source, adjust volume level, and browse music from your phone or in a USB drive when connected to the receiver.

Works with Google Assistant

Start music in the HEOS app, then ask your Google Assistant to control volume, play, pause, skip tracks, mute, and unmute.

Josh.ai

Start music in the HEOS app, then ask your Google Assistant to control volume, play, pause, skip tracks, mute, and unmute.

| Technical Information               |                                                              |                                       |                                                 |                   |
|-------------------------------------|--------------------------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------|
| Number of Power Amps                | 7                                                            |                                       | General                                         |                   |
| Power Output                        | 95 watts per channel<br>(8 ohm, 20Hz-20kHz, 0.08% 2ch Drive) |                                       | System Remote Control                           | RC-1253           |
|                                     |                                                              |                                       | Power Consumption in W                          | 500               |
|                                     | 125 watts per channel<br>(6 ohm, 1kHz, 0.7% 2ch Drive)       |                                       | Power Consumption No-Sound<br>(ECO on/off) in W | 35W/75W           |
|                                     |                                                              |                                       | Standby Consumption in W                        | 0.1               |
|                                     | 185 watts per channel<br>(6 ohm, 1kHz, 10% 1ch Drive)        |                                       | CEC Standby Consumption<br>in W                 | 0.5               |
| Other                               |                                                              |                                       | Network Standby<br>Consumption in W             | Less than 2.0     |
| Auto Speaker Setup<br>by Microphone | Audyssey MultEQ XT                                           |                                       | Maximum Dimensions                              |                   |
| Front Display                       | 1-Line FLD                                                   |                                       | Antenna:Horizontal:<br>(W x D x H) in inches    | 17.1 x 13.4 x 6.6 |
| GUI Languages                       | English, Japanese, French                                    |                                       | Antenna:Vertical:<br>(W x D x H) in inches)     | 17.1 x 13.4 x 9.3 |
|                                     |                                                              | w/o Antenna:<br>(W x D x H) in inches | 17.1 x 13.0 x 6.6                               |                   |
|                                     |                                                              | Weight in lbs                         | 21.0                                            |                   |
|                                     |                                                              | Weight in lbs (Packaging)             | 25.4                                            |                   |

| Inputs/Outputs                  |            |
|---------------------------------|------------|
| VIDEO                           |            |
| HDMI In/Out                     | 6/2        |
| AUDIO                           |            |
| Analog In, Out                  | 4/-        |
| Phono (MM) In                   | Yes        |
| Digital In: Optical, Coaxial    | 2, 1       |
| Multi-Room Out: Analog, Digital | 1, -       |
| Multichannel Pre-Out            | Yes (0.2)  |
| Subwoofer Out                   | 2          |
| Other                           |            |
| Number of Speaker Terminals     | 7          |
| Speaker A/B                     | Assignable |
| Bi-Amp Drive                    | Assignable |
| Multi-Room Speaker Terminal     | Assignable |

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