

DENON®



DENON AVC-X4800H

AVC-X4800H 9.4 Ch. 8K AV Amplifier

Designed and manufactured in Japan, the powerful AVC-X4800H drives 9.4 channels of amplification. With Dolby Atmos and DTS:X, plus IMAX Enhanced and Auro-3D, the AVC-X4800H envelops larger living spaces in breathtaking 3D audio. With HEOS® Built-In, wirelessly stream your favourite music.

HIGHLIGHTS

YOUR BENEFITS

Powerful nine-channel amplifier

Discrete high-current amplifiers deliver up to 200W per channel for more refined sound in large spaces.

3D audio experience

Get enveloped in sound with Dolby Atmos®, DTS:X®, IMAX Enhanced, and Auro 3D, along with Dolby Surround, DTS Neural:X, and Auro-Matic upmixer to optimize legacy content.

Configuration flexibility

AVC-X4800H offers many setup options and flexibility to adjust your home theatre to meet your needs. Supports 11.4 channel processing capability, PreAmplifier mode, and optional Dirac Live upgradability (with fee).

Advanced 8K home theatre

8K video is supported on all seven HDMI inputs and two of the three outputs. With HLG, HDR, Dolby Vision, HDR10+ and Dynamic HDR pass-through, there's no need to worry about video compatibility or picture quality.

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.

Simple setup and Audyssey room correction technology

Our award-winning guided Denon 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.

Built to high standards

Designed and manufactured in Denon's state of the art manufacturing facility in Japan, where traditional practices fuse seamlessly with technologies designed for the future.

Over a century of innovation

Founded in 1910, Denon enhances the moments that matter through the relentless pursuit of quality, innovation, and audio performance.

SINCE 1910 | DEFINING AUDIO EXCELLENCE





Dolby Atmos®

Feel every dimension in Dolby Atmos. Upgrade your home theatre with a 5.4.4 speaker setup to unleash a fully immersive 3D audio experience from Dolby Atmos content. Dolby Surround upmixer engages all speakers to create 3D audio sensations from legacy content. Dolby Atmos Height Virtualization Technology creates the sensation of overhead sound even without ceiling speakers installed. You can also enjoy Dolby Atmos music tracks available from Apple Music, Amazon Music HD, or TIDAL fed by a compatible streaming device via HDMI.

DTS:X

DTS:X immersive audio content places sound where it would naturally occur in space, creating lifelike, multi-dimensional 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.

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 theatre imaging, sound, scale, and clarity. See clearer pictures and brighter images. Feel immersive, heart-pounding audio and experience premium content digitally remastered by IMAX. You can enjoy IMAX Enhanced experience starting from 5.1.4 speaker setup.

Auro 3D®

Auro 3D elevates the home theater experience to amazing new levels by delivering the excitement of three-dimensional sound for music, games, broadcasts, and films, putting you in a cocoon of lifelike sound. Turn your existing audio-visual collection into an Auro 3D experience, thanks to the Auro-Matic upmixing engine. Supports up to 7.1.4 or 5.1.6 Auro 3D speaker configurations with external two-channel amplifier.

360 Reality Audio

360 Reality Audio is a new immersive music experience that uses Sony's 360 Spatial Sound technology. Individual sounds such as vocals, chorus, piano, guitar, bass, and even the sounds of a live audience can be placed in a 360 spherical sound field. With 360 Reality Audio, music has never been so immersive and so real. Select Denon AV receivers are capable of 360 Reality Audio playback by connecting a 360RA streaming device via HDMI. !

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 amplifier simple, with a single HDMI connection. eARC provides HD and 3D audio transmissions 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 1080p and 4K content. Supports HDCP 2.3, the latest copy protection standard, for peace of mind when streaming copy-protected content.

Brilliant colour 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 compatible gaming devices.

HEOS® Built-in

With HEOS® Built-in, your AV receiver can stream music wirelessly from a variety of free and premium streaming services. Consumers can also enjoy their favourite 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.

High-resolution audio

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 and DSD5.6 hi-res audio playback from a USB drive. Supported audio formats are MP3, WMA, WAV, MPEG-4/AAC, FLAC, ALAC, and DSD. The same formats can be streamed via the network too.

Denon Setup Assistant

Award-winning guided Denon Setup Assistant provides 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 Premium Suites of Room Correction Technology

Denon AV receivers use the Audyssey suite of EQ software for simple, accurate set-up and calibration. With the supplied Audyssey measuring microphone, Audyssey measures all the speakers

in your home theatre, and tunes the AV receiver to provide the smoothest, most optimal overall listening experience for your room. This AV receiver supports Audyssey MultEQ XT32 room correction technology. The other supported Audyssey features are Dynamic EQ, and Dynamic Volume.

AL32 Processing Technology

AL32 Processing, a Denon proprietary analogue waveform reproduction technology, supports up to 192 kHz sampling frequency and 32bit expansion on your receiver. The technology thoroughly suppresses noise associated with D/A conversion to reproduce low-level signals with optimum clarity and bring out all the delicate nuances of the music. AL32 Processing Multi-Channel means the technology is applied on all channels and all input sources.

Dirac Live Upgradability

The interaction between your sound system and the physical layout of your room has a huge impact on sound quality. Dirac Live® Room Correction applies state-of-the-art, patented algorithms to analyze and digitally reduce room impact and enhance speaker performance.

Select Denon AV receivers support Dirac Live Upgradability. You can purchase a Dirac Live license key to unlock the functionality. Visit dirac.com/denon/ for more information. Upgradability will be supported via a future firmware update. Stay tuned!

Subwoofer Tuning

Up to four subwoofers can be connected to equally distribute the bass in the listening area. Standard, as well as unique "Directional Mode" is supported. LFE distribution is a unique feature too allowing you to add LFE signal to your large, full-size speakers. This option is useful when Subwoofer Mode is set to "Directional Mode" for more synchronized bass performance between full-band speakers and subwoofers.



Technical Information		General	
Number of Power Amps	9	System Remote Control	RC-1252
Power Output	125 watts per channel (8 ohm, 20Hz - 20kHz, 0.05% 2ch Drive)	Power Consumption in W	710W
	165 watts per channel (6 ohm, 1kHz, 0.7% 2ch Drive)	Power Consumption No-Sound (ECO on/off) in W	65W/110W
	200 watts per channel (6 ohm, 1kHz, 1% 1ch Drive)	Standby Consumption in W	0.1W
Other	Audyssey MultEQ XT32 Dirac Live (upgrade)	CEC Standby Consumption in W	0.5W
		Network Standby Consumption in W	Less than 2.0W
Auto Speaker Setup by Microphone	2-Line FLD	Maximum Dimensions	
Front Display	9	Antenna, Horizontal: (W x D x H) in mm	434 x 389 x 167
GUI Languages		Antenna, Vertical: (W x D x H) in mm	434 x 389 x 236
		w/o Antenna: (W x D x H) in mm	434 x 379x 167
		Weight in kg	13.4 kg
		Weight in kg (Packaging)	16 kg

Inputs/Outputs	
VIDEO	
HDMI In/Out	7 / 3
AUDIO	
Analogue In/Out	6 / 0
Phono (MM) In	Yes
Digital In: Optical / Coaxial	2 / 2
Multi-Room Out: Anl./ Dig.	2 / 0
Multichannel Pre-Out	Yes (11.4)
Subwoofer Out	4 (independent)
Other	
Available Finishes	Black, Pr.Silver
Number of Speaker Terminals	11
Speaker A/B	Assignable
Bi-Amp Drive	Assignable
Multi-Room Speaker Terminal	Assignable
EAN AVCX4800HBKE2 (Black)	0747192138363
EAN AVCX4800HSPE2 (Pr.Silver)	0747192138370

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