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DENON AVR-X4500H Black 9.2 AV Receiver

Šifra: 12874
Kategorija prozivoda: AV Pojačala i Risiveri
Proizvođač: DENON

Cena: 191.880,00 rsd

DENON AVR-X4500H Black 9.2 AV Receiver

Premium 9.2 channel AV Surround Receiver offering the most advanced 3D audio suite with Dolby Atmos, DTS:X and Auro-3D built-in. Most remarkably, the 9 channel amplification allows for setting up a 7.2.2 or 5.2.4 3D experience without the need of an external amplifier.
AL32 Processing Multi-channel provides ultra-high-resolution digital audio filtering and precision for all audio channels, to deliver a natural soundstage with enhanced imaging. For contents recorded in multi-channel such as Blu-ray discs, the recorded low frequency effects (LFE) may be out of synch and delayed. Bass Sync technology corrects such a delay of low frequency effects for the perfect audio experience.

HEOS + Alexa
Use your voice to stream your favourite music services to this HEOS-enabled device. Ask Alexa to play music from Amazon Music, Spotify, and more. You can also turn the volume up or down, pause, mute and play the next song all with your voice. To start streaming with Alexa voice commands, open the Alexa app and select "Skills." Add HEOS Home Entertainment to enable. Then, go to Smart Home in the Alexa app menu and choose Devices and Discover or say "Alexa, discover my devices."

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 spatial remapping engine, DTS

Neural:X, gives your movie, game and music collections a new lease on life! With DTS Virtual:X you can enjoy an 3D audio experience even without installed overhead speakers. DTS:X brings the theatre home.

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Dolby Atmos

Feel every dimension in Dolby Atmos. Dolby Atmos transports you into the story with moving audio that flows all around you with breathtaking realism. Enjoy a 5.2 surround sound speaker system and 2 additional overhead speakers or 2 Dolby Atmos elevation speakers for the ultimate home theatre experience - including Dolby Surround upmixer for legacy content.

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Audyssey MultEQ XT32

The AVR-X4500H features the most advanced Audyssey MultEQ XT32 room acoustic measurement system including Audyssey Dynamic Volume, Dynamic EQ, LFC and SubEQ HT. Through these technologies, and with the supplied microphone, it exactly analyses each speaker's output to optimize the overall listening experience. With the additional Audyssey MultEQ Editor App (available for purchase), very advanced users can even go further "under the hood" if desired.

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Latest HDMI Specs

All eight HDMI inputs and two HDMI outputs feature HDCP 2.2 compatibility and the latest HDMI specifications, including 4K Ultra HD 60Hz video, 4:4:4 Pure Color sub-sampling, High Dynamic Range (HDR), Dolby Vision compatibility, HLG support

and 21:9 video, 3D, and BT.2020 pass-through support. It is even ready for Enhanced Audio Return Channel (eARC) for 3D audio broadcast over TV.

Experience HEOS

Enjoy your favourite music anywhere – and everywhere – around your home. Share music stored on your home network, Internet radio or streaming services with HEOS wireless speakers, or even other HEOS-capable receivers, throughout the house. Control it all with the free HEOS app. Enjoy music from Spotify, TuneIn Internet radio, Amazon Music, Sound Cloud, Tidal, Napster or Deezer.

Advanced Video Section

The AVR-X4500H owns an advanced video processor to upscale existing lower resolution video from any analogue or digital source to true 4K. With three HDMI outputs, you can even connect a TV and a projector in the main room, while playing back different content on a second zone screen.

HDR / Dolby Vision

The AVR-X4500H supports High Dynamic Range (HDR) video format. It is even Dolby Vision compatible and supports HLG (Hybrid Log Gamma). Dolby Vision transforms the viewing experiences with astonishing brightness, contrast, and colour. HLG offers HDR technology over broadcast content.

App Control

With the "Denon AVR Remote" app you can control the receiver's operation and even control your connected Denon Blu-ray player. With the

HEOS app you easily command your music and multi-room streaming. Or control your system with your voice using the Amazon Alexa voice compatibility.

Auro 3D
Auro-3D elevates the home theatre experience to amazing new levels by delivering the excitement of three-dimensional sound for music, games, broadcast, and films while enhancing your existing audio-visual collection, thanks to Auromatic up-mixing engine.

Multi-Room/ Multi-Source
With the AVR-X4500H it's possible to enjoy 7.1-channel surround in one room, while another 'zone' plays another source—such as CD, streaming audio, or HDMI source on speakers powered by the AVRs built-in amplifiers.

Connectivity
The AVR-X4500H is equipped with an advanced dual antenna system for robust and error-free streaming, featuring Bluetooth and Wi-Fi connectivity as well as Apple's AirPlay 2 for direct music playback from Apple's iDevices.

32-Bit D/A Conversion
For optimum fidelity and the widest dynamic range with lowest distortion, the AVR-X4500H features advanced reference-class 32-bit AKM AK4458VN D/A converters on all channels. This ensures consistent high fidelity and precise channel matching across all channels for the ultimate listening experience.

Powerful DSP

The AVR owns a sophisticated DSP audio processing system that incorporates no less than 4 powerful high speed fourth generation SHARC DSP processors, which together have a combined continuous processing capability of 10 GFLOPS (10 billion floating point numerical computations per second).

High Res Audio

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High Res Audio

The AVR-X4500H features high resolution audio decoding with multiple lossless file types including ALAC, FLAC and WAV at up to 24-bit/192-kHz along with compatibility for 2.8/5.6-MHz DSD files (DSD is the audio coding format of SACD).

9.2 channel AV receiver with 200W power per channel; 11ch processing - 9 powerful amplifiers for an easy 3D audio setup to fill big rooms with Denon sound

Built-in Wi-Fi with 2.4GHz/5GHz dual band support; built-in Bluetooth - Solid network connectivity especially in WiFi-crowded homes

4K/60 Hz pass-through, Dolby Vision compatible, HDR, HLG, eARC and BT.2020 - Latest HDMI standard for future-proof compatibility

8 HDMI inputs (incl. 1 front) with full HDCP 2.2 support; 3 HDMI outputs - Plenty of inputs for your digital devices; different video in different rooms

Advanced Video Processing with analogue to HDMI conversion and full rate 4K Scaling - Full HD and even Ultra HD video quality from existing DVDs or analogue sources

Dolby Atmos and DTS:X (up to 7.1.4 with add. 2ch amplifier); Auro-3D built-in - Unique 3D sound options with effects from overhead

Built-in HEOS Wireless Multi-Room Audio Technology - Enjoy your music in your whole house with more HEOS products

High Resolution DSD (2.8/5.6MHz), FLAC, ALAC and WAV support - High Resolution audio streaming for Hi-Fi enthusiasts even in Gapless

Advanced Multi-Room options; 11.2ch Pre-out; RS232 Control - Audio and video in multiple rooms; ready for 3rd Party Home Automation systems

Amazon Alexa voice control compatibility - Hands-free control of your AVR-X4500H and online music services

AirPlay 2, Bluetooth, Internet Radio, Spotify Connect, Tidal, Deezer, Network Audio Streaming, Amazon Music - Access to almost unlimited online music sources

Audyssey MultEQ XT32, Dynamic Volume and Dynamic EQ, LFC, Sub EQ HT - Delivering ultimate equalization for your individual room including subwoofer EQ

Multichannel Surround

Multichannel Stereo	Yes
Max Number of Processing (Preamp) Channels	11.2
DTS Neo:X / DTS Neural:X	No / Yes
Dolby TrueHD / Dolby Atmos	Yes / Yes
Dolby ProLogic II / Dolby Surround	No / Yes
DTS Virtual:X	No
DTS HD Master / DTS:X	Yes / Yes
Auro 3D	Yes

Sound Enhancements

Discrete Power Amplifier	9
Pure Direct	Yes
D.D.S.C. HD Digital	Yes (32 bit)

High Grade Audio Components	Yes
Audyssey	MultEQ XT32
Clock Jitter Reducer	Yes
Alpha Processing	AL32 Processing Mu
Audyssey Dynamic EQ / Dynamic Volume	Yes / Yes
Audyssey LFC	Yes
Compressed Audio Restorer	Yes
Audyssey APP support	Yes

Network

Lossy Formats	MP3 / WMA / AAC
Lossless Formats	FLAC / ALAC / WAV
DSD Audio Streaming	Up to DSD5.6
FLAC HD 192/24	Yes
WAV 192/24	Yes
ALAC 192/24	Yes
Gapless Playback	Yes (FLAC, WAV, AL
AirPlay Audio Streaming	Yes
Compatible with Remote APP for Smart Phones	Android / iOS
Compatible with Remote APP for Tablets	Android / iOS/Amaz
Ethernet Ports	Yes
Wi-Fi	Yes
Bluetooth	Yes
HEOS Multiroom and Streaming	Yes
Internet Radio	TuneIn
Spotify Connect / Tidal / Deezer / Others	Yes
Airplay 2	Yes (update)

HDMI

HDMI Inputs: Back / Front	7 / 1
HDMI Outputs: Main / Zone	2 / 1
Video Conversion Analogue -> HDMI	Yes
Analogue to HDMI Scaling	480i/576i up to 4K 6
HDMI to HDMI Scaling	Up to 4K 60/50
GUI Overlay on HDMI	Yes
4K Signal Pass-through / Scaling / GUI Overlay	Yes
HDMI Pass-Though in Standby Mode	Yes
Picture Adjust / Noise Reduction	Yes / Yes
CEC	Yes
DSD Audio Capability	Yes
Audio Return Channel	Yes
Auto LipSync	Yes
HDCP 2.2 Support	Yes
HDMI	3D / 4K / CEC / ARC
Enhanced ARC	Yes

Dolby Vision / HLG	Yes / Yes

Multi-room / CI

Multi-Room Zones	3
HEOS Multiroom Integrated	Yes
TV Sound Grouping	Yes
Zone Audio Source	HDMI / Opt, Coax /
Zone Audio Output	Speaker / Preout
Zone HDMI Output from HDMI Source	Yes
Webbrowser User Interface	Yes
Smart Remote Management	Yes
IP Control / RS232 Control / Web Control / App Control	Yes
Remote In / Out	Yes / Yes
DC Trigger Output	2

Others

Auto Speaker Setup by Microphone	Audyssey MultEQ XT
FL Display	2 Lines
Graphic User Interface - GUI	Advanced
ISF Certification	Yes
GUI Languages	9
Setup Assistant	Yes
Quick Select Plus / Quick Select	Yes / No
Firmware Update by Network / USB	Yes / Yes
Bass Sync	Yes
Variable Cross Over	Yes
Optimized Bass Redirection	Yes
ECO Mode	Yes
Auto Power Off	Yes
Sleep Timer	Yes
Voice Control	Works with Amazon

Inputs / Outputs

Composite In / Out	3 / 2
Component In / Out	2 / 1
HDMI In / Out	7+1 / 3
Multi-room Video Out: Video / HDMI	Yes / Yes
Analogue In / Out	5 / 0
Phono (MM) In	Yes
Digital In: Optical / Coaxial	2 / 2
Multi-room Out: Analogue / Digital	2 / 0
Multichannel Preout	Yes (11.2)
Subwoofer Out	2 (Independent)
Speaker Terminal	Regular Screw
Number of Speaker Terminals	11

Speaker A / B	Assignable
Bi-amp Drive	Assignable
Multi-Room Speaker Terminal	Assignable
Front Inputs	HDMI / USB
USB Audio / Made for iPod / Made for iPhone	Yes / AirPlay / AirPla
FM Tuner with RDS	Yes

Specifications

Number of Poweramps	9
Power Output (8 ohm, 20 Hz - 20 kHz, 0.05% 2ch Drive)	125W
Power Output (6 ohm, 1 kHz, 0.7% 2ch Drive)	165W
Power Output (6 ohm, 1 kHz, 1% 1ch Drive)	200W

General

Power Consumption in W	710
Power Consumption No-Sound (ECO On / Off) in W	65 W / 110 W
Standby Consumption in W	0.1
CEC Standby Consumption in W	0.5
Network Control On Consumption in W	3.7
Dimensions	W434mm x D389m
Dimensions w/ Antenna Vertical	W434mm x D389m
Remote	RC-1219
Available Colours	Black / Premium Sil\
Weight	13.7 kg