

DENON®

PRODUCT INFORMATION



DENON AVR-X3600H

9.2CH 4K AV RECEIVER WITH 3D AUDIO AND HEOS BUILT-IN®

UPGRADE TO HIGH-POWER HOME THEATER



Denon AVR-X3600H 9.2 channel 4K Ultra HD AV receiver with 105W per channel and advanced HDMI (8in / 3out with eARC) section. Supports 3D audio formats Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X™, DTS Virtual:X® and new IMAX Enhanced.

HIGHLIGHTS

- 9.2 channel AV receiver with 105W power per channel
- IMAX Enhanced Technology
- Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X and DTS Virtual:X
- Amazon Alexa, Google Assistant and Apple Siri voice control
- 8 4K Ultra HD HDMI inputs with full HDCP 2.3 support, 3 HDMI outputs
- Enhanced Audio Return Channel (eARC)
- 4K upscaling, Dolby Vision, HDR10, HLG, 4:4:4 color resolution and BT.2020
- Award-winning Denon Setup Assistant and graphical user interface
- HEOS Built-in wireless multi-room music streaming technology

YOUR BENEFITS

- Nine powerful amplifiers provide the classic and dynamic Denon sound experience
- Delivers IMAX theater experience at home
- Enjoy an immersive, three-dimensional audio experience up to 7.2.4 with an additional 2ch amplifier
- Use your voice to control the AVR-X3600H and wireless music services hands-free
- Connect up to eight media devices and output to two displays
- Supports the latest 3D audio formats such as Dolby Atmos and DTS:X from your TV audio signal via HDMI
- Provides the greatest video quality with exceptional brightness, contrast and color
- Easy and intuitive out-of-box setup experience
- Listen from any room of your home for a connected, whole-home audio experience

DENON 100+ YEAR "LEGACY OF FIRSTS" IN AUDIO TECHNOLOGY



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Powerful 9-Channel Amplifier with Advanced Home Cinema Specs
Featuring discrete high-current amplifiers on all channels, the AVR-X3600H delivers high-power performance at 105W per channel (8 ohms, 20Hz-20kHz, THD .08%, 2 ch driven). The AVR-X3600H supports three-dimensional sound formats Dolby Atmos, Dolby Atmos Height Virtualization Technology, DTS:X, DTS Virtual:X and the all new IMAX Enhanced. The advanced HDMI section features HDCP 2.3 support and advanced video processing with 4K scaling for HDMI sources, plus a 12V trigger output to connect an external device.

Dolby Atmos, Dolby Atmos Height Virtualization Technology, DTS:X and DTS Virtual: X
Immerse yourself in multi-dimensional audio with Dolby Atmos, Dolby Atmos Height Virtualization Technology, DTS:X and DTS Virtual:X. Set up a 7.2.4 Dolby Atmos system using nine channels of amplification built-in to the AVR-X3600H and add a two-channel amplifier to power additional surround speakers, Dolby Atmos elevation speakers, or dedicated overhead speakers for the ultimate home theater experience. DTS:X gives your movies, games and music a realism unmatched by traditional surround sound. DTS Virtual:X and Dolby Atmos Height Virtualization Technology provide immersive audio without height channels, creating virtual height effects in a 7.2, 5.2 or 2.2 speaker arrangement, giving all of your entertainment elevated surround sound.

IMAX Enhanced Technology
Get the most premium at-home entertainment experience with IMAX Enhanced — the latest technology from DTS that sets a new standard for home theater imaging, sound, scale and clarity. Watch clearer pictures and brighter images. Feel immersive, heart-pounding audio and experience premium content digitally remastered by IMAX.

Amazon Alexa Voice Control
Control the AVR-X3600H hands-free 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 HEOS Home Entertainment Skill to enable Amazon Alexa voice commands for your AVR-X3600H, HEOS devices and other select Denon products.

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

Apple AirPlay 2 Built-in
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.

Advanced HDMI Video Section
Enjoy your favorite movies, shows and games with the best picture quality available. The AVR-X3600H features 8 HDMI inputs and 3 outputs that support 4K Ultra HD 60Hz video, 4:4:4 Pure Color sub sampling, Dolby Vision, High Dynamic Range (HDR10), Hybrid Log-Gamma (HLG), eARC, 3D, and BT.2020 pass-through support for exceptional color, clarity and contrast. HDCP 2.3 processing is available on all HDMI ports, letting you enjoy copy-protected content totally uninhibited. Certified by the Imaging Science Foundation, the AVR-X3600H features a full suite of video calibration controls (for use by an ISF technician), along with ISF Day and ISF Night video modes.

HDMI eARC Object-based Audio Support
eARC (Enhanced Audio Return Channel) supports the transmission of immersive audio from your TV with a single HDMI cable for the simplest setup.

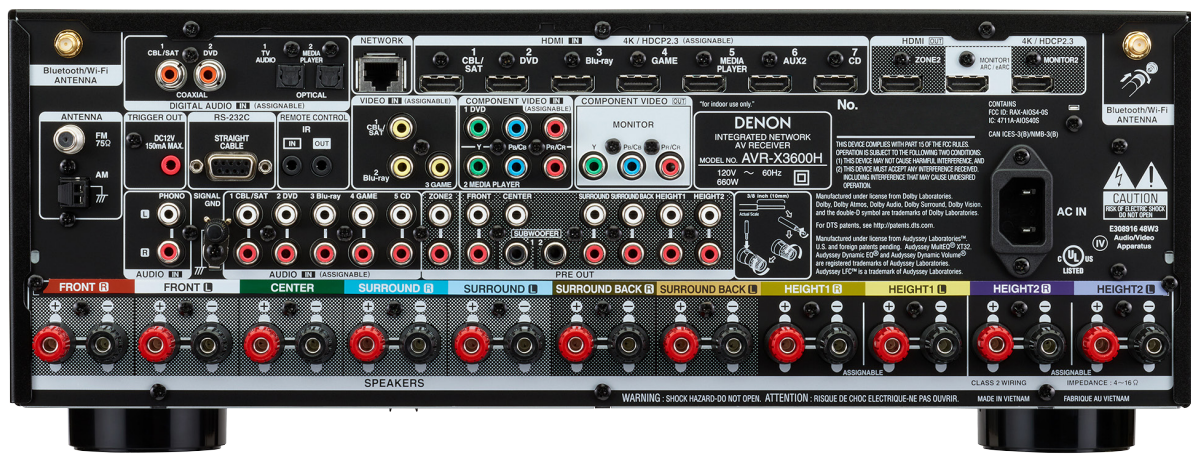
Brilliant Picture Quality
The AVR-X3600H supports High Dynamic Range (HDR10) video format, Dolby Vision and HLG (Hybrid Log Gamma). Dolby Vision transforms the viewing experiences with astonishing brightness, contrast, and color, and HLG offers HDR10 technology over broadcast content.

Award-Winning Setup Experience
The included AVR-X3600H Quick Start Guide provides simple, clear instructions for how to get started. Once you connect your TV to the AVR-X3600H via HDMI, the exclusive Denon Setup Assistant appears on your TV screen to walk you through setup, step-by-step. A row of color-coded speaker connections is laid out horizontally, making organizing and connecting speaker wires fast and easy.

Custom Install Ready
The Denon AVR-X3600H features external control and IP control capabilities for easy customization and compatibility with third-party integration solutions. It offers IP control capability for major third-party control devices, as well as Control4 SDPP (Simple Device Detection Protocol) certification for seamless integration with Control4 home automation equipment.

High-Resolution Audio Support
Enjoy superb audio fidelity with your favorite high-resolution audio tracks. The AVR-X3600H with AKM 32-bit D/A converters features high-resolution audio decoding with multiple lossless file types, including ALAC, FLAC and WAV at up to 24-bit/196-kHz. It is also compatible with 2.8/5.6-MHz DSD files (DSD is the audio coding format of SACD). Play them from memory devices, or over network sources. The AVR-X3600H also supports other file types such as MP3 and WMA.

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 CD player and Dolby Atmos-enabled AV receiver. This focused investment in audio R&D ensures you get the latest technology and highest quality with every listening experience.



Technical Information	
Number of Power Amps	9
Power Output	180W per Channel (6 ohms, 1 kHz, THD 1%, 1 ch) 135W per Channel (6 ohms, 1 kHz, 0.7%, 2 ch) 105W per Channel (8 ohms, 20 Hz - 20 kHz, 0.08%, 2 ch)
Speaker Impedance	4 – 16 Ω / ohms
Preamplifier Section	
Input Sensitivity/ Impedance	200 mV / 47kΩ/kohms
Frequency Response	10 Hz – 100 kHz — +1, –3 dB (Direct Mode)
S/N Ratio	100 dB (IHF–A Weighted, Direct Mode)

FM Section			
Tuning Frequency Range	87.5 MHz – 108 MHz		
AM Section			
Tuning Frequency Range	520 kHz – 1611 kHz		
General			
Power Supply	AC 120 V, 60 Hz		
Power Consumption	600 W		
Power Consumption	45W (ECO Mode On)		
No-Sound	80W (ECO Mode Off)		
Dimensions (W x H x D)	17.1 x 6.6 x 15.4 in		
Weight	23.8 lbs		
UPC	AVRX3600HBKE3	883795004855	Black

Ports			
IN	HDMI (Front 1)	x 7 + 1	
	Component (Video)	x 2	
	Composite (Video)	x 3	
	Phono	x 1	
	Analog Audio	x 5	
	Digital Optical	x 2	
OUT	USB (Front)	x 1	
	HDMI Monitor	x 3	
	Component (Video)	x 1	
	Composite Monitor	x 1	
	Audio Pre-out (SW)	11.2 ch	
	Zone 2 (Pre-out and Speaker Assignable)	x 1	
	Phones	x 1	
	OTHER	Ethernet	x 1
	Microphone Port	x 1	
	FM/AM Tuner Antenna	x 1	

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