DENON®

works with the Google Assistant

Works with Apple AirPlay

WORKS WITH amazon alexa

DENON AVR-X1600H
7.2CH 4K ULTRA HD AV RECEIVER WITH 3D AUDIO AND HEOS® BUILT-IN

UPGRADE TO HIGH-POWER HOME THEATER

HEOS BUILT-IN

Denon AVR-X1600H 7.2CH 4K Ultra HD AV receiver with 80W per channel, HDMI (6in / 1out with eARC). Supports 3D audio formats Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X™ and DTS Virtual:X®.

HIGHLIGHTS	YOUR BENEFITS
7.2 channel AV receiver with 80W power per channel	Seven powerful amplifiers provide the classic and dynamic Denon sound experience
Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X and DTS Virtual:X	Enjoy an immersive, three-dimensional audio experience up to 7.2.4
6 HDMI inputs with full HDCP 2.3 support, 1 HDMI output	Connect up to six media devices and output to one display
4K/60 Hz, Dolby Vision, HDR10, HLG, 4:4:4 color resolution and BT.2020	Provides the greatest video quality with exceptional brightness, contrast and color
Award-winning Denon Setup Assistant and graphical user interface	Easy and intuitive out-of-box setup experience
Amazon Alexa, Google Assistant and Apple Siri voice control	Use your voice to control the AVR-X1600H and wireless music services hands-free
HEOS Built-in wireless multi-room music streaming technology	Listen from any room of your home for a connected, whole-home audio experience
Smart TV connectivity	Control the Denon AVR-X1600H with your TV remote via HDMI CEC
Enhanced Audio Return Channel (eARC)	Supports the latest 3D audio formats such as Dolby Atmos and DTS:X from your TV audio signal via HDMI
Game Mode	Supports Auto Low Latency Mode (ALLM) for lag-free gaming

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

DOLBY ATMOS | dts X | WiFi CERTIFIED | AUDYSSEY MULTEQ XT 32 | Network | HDMI | 4K UHD HDR / HDCP 2.2 | COMPATIBLE DOLBY VISION | Multi Zone Home Entertainment Component | Hi-Res AUDIO | Works with Apple AirPlay | Bluetooth | IN·Command SERIES | CI

AVR DENON | eco mode | music | DEEZER | iHeartRADIO | napster | pandora | Spotify | TIDAL | SiriusXM SATELLITE RADIO | SOUNDCLOUD | TUNE IN
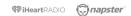
www.denon.com

Powerful 7-Channel Amplifier with the Latest Home Cinema Specs

Featuring discrete amplifiers on all channels, the AVR-X1600H delivers high-power performance at 80W per channel (8 ohms, 20Hz-20kHz, .08%, 2 ch driven). Low impedance drivers provide operational stability for a wide range of speakers for balanced, tonal sound. The AVR-X1600H supports three-dimensional sound formats Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X and DTS Virtual:X, plus an HDMI section with HDCP 2.3 support and advanced video processing with 4K upscaling for HDMI sources.

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 5.2.2 Dolby Atmos surround system using 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 5.1 surround sound. Dolby Atmos Height Virtualization Technology and DTS Virtual:X provide immersive audio without height channels, creating virtual height effects in a 7.2, 5.2 or 2.2 speaker arrangement.

Advanced HDMI Video Section with eARC support

Enjoy your favorite movies, shows and games with the best picture quality available. The AVR-X1600H features 6 HDMI inputs and 1 output 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 uninhibited. The eARC — enhanced Audio Return Channel — supports 3D audio transmission directly from the TV to your AV receiver.

All Zone TV Audio

Play the audio from your TV to all zones. Supports both analog and digital audio connections.

Easy Setup Experience

The included AVR-X1600H Quick Start Guide provides simple, clear instructions for how to get started. Once you connect your TV to the AVR-X1600H 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 simple.

Amazon Alexa Voice Control

Control the AVR-X1600H 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-X1600H, 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.

Built-in *Bluetooth*®, Wi-Fi and AirPlay 2 Capability

The heart of your wireless network. For *Bluetooth*, Wi-Fi and AirPlay 2 wireless streaming connectivity, the Denon AVR-X1600H is equipped with an advanced dual antenna transceiver system for robust streaming even in congested urban environments. Enjoy listening to your favorite audio content wirelessly from your smart devices.

HEOS Built-in Multi-Room Streaming

Enjoy your favorite music in any room of your home wirelessly with HEOS Built-in technology. Play the same song in every room or select a different song for each connected room — the choice is yours. Also works with Amazon Alexa, Google Assistant and Apple Siri, providing cutting-edge voice control and incredible sound for all of your home entertainment.

Custom Install Ready

The Denon AVR-X1600H 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.

Remote Monitoring Capability

In today's custom install environment, it's critical for integrators to provide quick, reliable assistance and service to their clients, even after the install is complete. To support this effort, the Denon IN-Command series AVR-X1600H AV receiver features "ihiji Invision", "Domotz Pro" and "OvrC" remote monitoring and management interface and service compatibility. These programs allow custom integrators to monitor the status of connected products and troubleshoot remotely from the office or on the go, radically reducing the time it takes to address the issue.

High-Resolution Audio Support

Enjoy superb audio fidelity with your favorite high-resolution audio tracks. The AVR-X1600H 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-X1600H 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	7
Power Output	145W per Channel (6 ohms, 1 kHz, THD 1%, 1 ch)
	120W per Channel (6 ohms, 1 kHz, 0.7%, 2 ch)
	80W 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	98 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	430W (Standby 0.1W, CEC Standby 0.5W)
Power Consumption No-Sound	29W (ECO Mode On) 39W (ECO Mode Off)
Dimensions (W x H x D)	17.1 x 6 x 13.3 in
Weight	19.0lbs
UPC	AVRX1600HBKE3	883795004848	Black

Ports

IN	HDMI (Front 1)	x 6
	Composite (Video)	x 2
	Phono	x 1
	Analog Audio	x 2
	Digital Optical	x 2
	USB (Front)	x 1
OUT	HDMI Monitor (eARC)	x 1
	Component (Video)	x 1
	Audio Pre-out (SW)	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