

DENON



DENON AVR-X6700H

Upgrade to a Superior Home Theater Experience

Premium 11.2 channel 8K AV receiver with 140W per channel that fully supports 3D audio formats like Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X®, DTS Virtual:X™, DTS:X® Pro, IMAX® Enhanced and Auro-3D®. The AVR-X6700H also supports the latest HDMI specifications such as 8K/60Hz and select 4K/120Hz* pass-through, ALLM, Dynamic HDR, HDR10+ and eARC support.

HIGHLIGHTS

YOUR BENEFITS

Premium-performance discrete 11-channel amplifier in a monolithic design	Delivers a precise and powerful 140W per channel (8 ohms, 20Hz-20kHz, THD: 0.05%, 2 ch. drive), to provide trusted, precise and powerful Denon sound.
Full 8K/60Hz and select 4K/120Hz* support	With the latest HDMI support, enjoy 8K quality video from your 8K source devices. One 8K input and 2 outputs allow for 8K/60Hz and select 4K/120Hz* pass-through. 8K upscaling is available on all 8 HDMI inputs.
Enjoy your favorite 3D audio formats	Enjoy immersive, 3D audio from sources like Dolby Atmos®, Dolby Atmos Height Virtualization, DTS:X®, DTS Virtual:X™, DTS:X® Pro, IMAX Enhanced and Auro-3D®.
DTS:X® Pro support	With the latest in DTS technology, enjoy DTS:X® Pro that can process up to 13 channels via future firmware update.
Enhanced Audio Return Channel (eARC) HDMI support	Through the main HDMI output, connect your TV with eARC HDMI support to allow uncompressed and object-based audio formats like Dolby Atmos and DTS:X directly from your smart TV app to your AV receiver.
The latest in video compatibility	The latest HDR format support including HDR10, HDR10+ (new in 2020), HLG, Dolby Vision, as well as Dynamic HDR (New in 2020), to provide the greatest picture quality for brightness, clarity and contrast.
The next generation in movie immersion	With 8K/60Hz pass-through and upscaling, Dynamic HDR and Quick Media Switching (QMS), enjoy crystal clear picture in the highest quality available.
The latest in gaming experiences	With select 4K/120Hz* pass-through, Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM) and Quick Frame Transport (QFT), enjoy your gaming experience with amazing imaging, as well as reduced lag and latency from features.
New DSP for more processing power	With 13.2 ch. max audio processing, connect external power amplifier to the AVR-X6700H to power two additional channels to enjoy a 13.2 ch. home theater setup.
Works with your favorite voice services	Use your voice to control the AVR-X6700H and wireless music services hands-free with Amazon Alexa, Google Assistant, Apple Siri, and Josh.ai.
Wireless streaming from the most popular music services	Enjoy all of your favorite music services like Spotify®, Pandora®, Amazon Music HD, TIDAL, SiriusXM, Deezer and more. The AVR-X6700H also lets you enjoy your music via AirPlay 2, letting you stream your favorite tracks from Apple Music.
HEOS® Built-in wireless multi-room music streaming technology	Listen from any room for a connected, whole-home audio experience. The AVR-X6700H also works with the newly introduced Denon Home speakers to let you enjoy a whole-home audio experience.

SINCE 1910 | DEFINING AUDIO EXCELLENCE





Ultimate Home Theater Experience – 8K Ready

The AVR-X6700H delivers the ultimate home theater experience with 8K/60Hz pass-through and upscaling, select 4K/120Hz* pass-through, as well as support for the latest HDMI specifications. The AVR-X6700H lets you build the best 4K home theater today and gives you the comfort of knowing that your AV receiver is 8K ready when you are. Enjoy the highest quality 3D audio and video for even the most demanding entertainment needs.

Powerful 11-Channel Amplifier with the Latest Home Cinema Specs

Featuring discrete high-current amplifiers on all channels, the AVR-X6700H delivers high-power performance of 140W per channel. Low impedance drivers provide operational stability for a wide range of speakers for balanced, tonal sound. Upgrade your expectations in home theater entertainment.

Full 3D Audio Support

Immerse yourself in 3D audio with Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X® and DTS Virtual:X™, IMAX Enhanced and Auro-3D. Set up a 5.1.2 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 7.1, 5.1 or 2.1 speaker arrangement.

DTS:X® Pro

With future firmware update, enjoy your entertainment decoded with the latest in DTS 3D audio technology. Enjoy up to 13.2 channels of audio processing with DTS:X® Pro to enjoy a full surround sound in exquisite detail. You will need an additional external stereo amplifier connected to the AVR-X6700H to drive an additional 2 channels.

Advanced 8K HDMI Video Section and Various HDR

Format Support

Enjoy your favorite movies, shows and games with the best picture quality available. The AVR-X6700H features an advanced HDMI section (8 in/3 out) with a dedicated 8K input that will support 8K/60Hz and select 4K/120Hz* video pass-through. All HDMI inputs feature 4:4:4 Pure Color sub sampling, HDR10, Dolby Vision, Hybrid Log-Gamma (HLG), and BT.2020 pass-through support for exceptional color, clarity and contrast. Enjoy 8K upscaling as well as HDCP 2.3 processing to play copy-protected content uninhibited.

Brilliant Color – Universal Compatibility, HDR10+ and Dynamic HDR

The AVR-X6700H supports High Dynamic Range video format, HDR10, Dolby Vision and HLG (Hybrid Log Gamma). Dolby Vision transforms the viewing experiences with astonishing brightness, contrast, and color. HLG offers HDR technology over broadcast content for a crisper, cleaner image. The AVR-X6700H also supports HDR10+, which sends dynamic meta data to TV for more realistic images, as well as Dynamic HDR.

Front Wide Channel Support on Dolby and DTS:X

With front wide channel support, you can add two front wide speakers with both Dolby and DTS to create a more seamless front surround stage up to 9.1.2 or 9.1.4 speaker configurations. 9.1.4 setup requires additional 2 channel amplifications connected to the AVR-X6700H.

The Latest Technology in Movie Experiences

With the AVR-X6700H, enjoy all your entertainment with latest technology available and watch your movies in unrivaled clarity. Enjoy your movies in 8K with 8K/60Hz pass-through and upscaling, as well the latest in AV receiver technology like Dynamic HDR and Quick Media Switching (QMS), which is used in movies to eliminate video delay.

The Next Generation in Gaming

With the AVR-X6700H, take your gaming to the next level. Game with select 4K/120Hz* pass-through, as well as Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM), which reduced or eliminates lag and frame tearing to offer a smoother, lag-free gaming experience.

Works with Amazon Alexa

Control the AVR-X6700H 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-X6700H, HEOS devices and other select Denon products.

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

With Bluetooth, Wi-Fi and AirPlay 2 wireless streaming connectivity, the AVR-X6700H is equipped with an advanced dual antenna transceiver system for robust streaming even in congested urban environments. Enjoy listening to your favorite music sources wirelessly from your smart devices. Also, enjoy Apple music through AirPlay 2.

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, Apple Siri and Josh.ai to provide cutting-edge voice control and incredible sound for all your home entertainment. Connect your Denon Home speakers for a whole-home audio experience.

High-Resolution Audio Support

Enjoy superb audio fidelity with your favorite high-resolution audio tracks. The AVR-X6700H features the latest 32-bit D/A converters allowing for high resolution audio decoding with multiple lossless file types, including ALAC, FLAC and WAV at up to 192kHz/24bit. 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 via the front panel USB, or over network sources. The AVR-X6700H also supports other file types such as MP3 and WMA.

Enhanced Audio Return Channel (eARC) Support

The main output of the AVR-X6700H supports eARC (enhanced Audio Return Channel) to enable uncompressed and object-based audio transmission directly from your smart TV apps to your AV receiver.

Powerful DSP Audio Processing

Inherited from the Denon flagship AVR-X8500H, a sophisticated digital audio processing system that incorporates two dual SHARC+ core DSP chips is adopted into the AVR-X6700H. This allows up to 13 channel audio decoding and processing capability including DTS:X® Pro support.

Pre-Amplifier Mode at Amp Assign

With the new Pre-Amplifier Mode, your Denon AV receiver work as a perfect AV pre-processor with the latest HDMI connectivity. Pre-Amplifier Mode provides a cleaner signal path and more tolerance in clipping level by disconnecting internal amplifiers. Modernize your AV separate system without breaking the bank.

Bluetooth Audio Transmission

Enjoy your favorite audio without waking your whole home by transmitting the audio coming from your AV receiver to your Bluetooth headphones. The AVR-X6700H even allows you to play the audio on both Bluetooth headphones and connected speakers simultaneously.

Audyssey Room Correction

The AVR-X6700H features the Audyssey MultEQ XT32 room acoustic measurement system. With the supplied microphone, it precisely analyzes the output of each speaker to optimize every channel. Plus, the additional Audyssey MultEQ Editor app (available for purchase) allows advanced users to go “under the hood” for further adjustment and customization of your audio environment. The app is available for both iOS and Android.

Custom Install Ready with 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 AVR-X6700H AV receiver features Domotz Pro and OvrC remote monitoring and management interface and service compatibility. The AVR-X6700H also supports Control4 SDPP (Simple Device Detection protocol) certification for seamless integration with Control4 home automation equipment.

Amazing Sound Built on 110-Years of Innovation

As Japan's first audio electronics manufacturer with a deep legacy of firsts -- Denon is the defining audio company of Japan. Founded in 1910, we enable the moments that matter through the relentless pursuit of quality, innovation and audio performance. We innovate for a better experience.

Technical Information	
Number of Power Amps	11
Power Output	285 watts per channel (6 ohms, 1 kHz, THD:1%, 1 ch driven)
	175 watts per channel (6 ohms, 1 kHz, THD:0.7%, 2 ch driven)
	140 watts per channel (8 ohms, 20Hz-20kHz, THD:0.05%, 2 ch driven)
Speaker Impedance	4-16Ω/ohms
Preamplifier Section	
Input Sensitivity/ Impedance	200 mV
Frequency Response	10Hz-100kHz +-1, -3 dB (Direct Mode)
S/N Ratio	100 dB (IHF-A weighted, Direct Mode)
FM Section	
Tuning Frequency Range	87.5-107.9 MHz
AM Section	
Tuning Frequency Range	520-1710 kHz
General	
Power Supply	120V/60 Hz
Power Consumption	750W (Standby 0.1W, CEC standby 0.5W)
Power Consumption (No Sound)	65W (ECO Mode On) 110W (ECO Mode Off)
Maximum Dimensions (WxDxH) Antenna:Horizontal (in)	17.1 x 15.3 x 6.6
Antenna:Vertical (in)	17.1 x 15.3 x 9.3
w/o Antenna: (in)	17.1 x 14.9 x 6.6
Carton Dimensions (Packaging) (WxDxH) (in)	20.9 x 18.3 x 11.9
Weight (lbs)	32.0
Weight (Packaging) (lbs)	37.9

*Does not support pass-through from all 4K/120Hz media sources

Ports		
In	HDMI (Front + 1)	x7 + 1
	8K HDMI	x1
	Component (Video)	x2
	Composite (Video)	x4
	Phono	x1
	Analog Audio	x6
	Digital Coaxial	x2
	Digital Optical	x2
	USB Front	x1
	Out	HDMI Monitor (eARC)
8K HDMI		x2
Component (Video)		x1
Composite Monitor		x2
Audio Pre-out (SW)		13.2 ch
Zone Out		x3
Other	Headphones	x1
	Ethernet	x1
	Microphone Port	x1
	FM/AM Tuner Antenna	x1