

DENON



DENON AVC-X6700H

Upgrade to the Ultimate Home Theatre

Your number 1 choice for big home cinema installations with up to 11 speakers driven by built-in amps, and 13.2 processing. The monolithic amplifier design guarantees best sound quality.

HIGHLIGHTS

Premium-performance discrete 11-channel amplifier in a monolithic design

Full 8K/60Hz and 4K/120Hz support

Enjoy your favourite 3D audio formats

DTS:X® Pro support

Enhanced Audio Return Channel (eARC) HDMI support

The latest in video compatibility

The latest in gaming experiences

New DSP for more processing power

Works with your favourite voice services

Wireless streaming from the most popular music services

HEOS® Built-in wireless multi-room music streaming technology

YOUR BENEFITS

Delivers a precise and powerful 205W per channel, to provide trusted, precise and powerful Denon sound.

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 4K/120Hz pass-through. 8K upscaling is available on all 8 HDMI inputs.

Enjoy immersive, 3D audio by Dolby Atmos®, Dolby Atmos Height Virtualization, DTS:X®, DTS Virtual:X™, DTS:X® Pro, IMAX Enhanced and Auro-3D®.

With the latest in DTS technology, enjoy DTS:X® Pro that can process up to 13 channels via future firmware update.

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 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.

With 4K/120Hz pass-through, Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM), Quick Media Switching (QMS) and Quick Frame Transport (QFT), enjoy your gaming experience with amazing imaging, as well as reduced lag and latency from features.

With 13.2 ch. max audio processing, connect external power amplifier to the AVC-X6700H to power two additional channels to enjoy a 13.2 ch. home theatre setup.

Use your voice to control the AVC-X6700H and wireless music services hands-free with Amazon Alexa, Google Assistant and Apple Siri.

Enjoy all of your favourite music services like Spotify, Amazon Music HD, TIDAL, Deezer and more. The AVC-X6700H also lets you enjoy your music via AirPlay 2, letting you stream your favourite tracks from Apple Music.

Listen from any room for a connected, whole-home audio experience. The AVC-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 Theatre Experience – 8K Ready

The AVC-X6700H delivers the ultimate home theatre experience with 8K/60Hz pass-through and upscaling, 4K/120Hz pass-through, as well as support for the latest HDMI specifications. The AVC-X6700H lets you build the best 4K home theatre 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

With discrete, high-current monolithic board designed amplifiers on all channels, the AVC-X6700H delivers high-power performance of 205W per channel with highest channel separation. Low impedance drivers provide operational stability for a wide range of speakers for balanced, tonal sound. Upgrade your expectations in home theatre entertainment.

Full 3D Audio Support

Immerse yourself in 3D audio with Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X® Pro and DTS Virtual:X™, IMAX Enhanced and Auro-3D. Set up a 9.1.4 or 7.1.6 Dolby Atmos surround system using Dolby Atmos elevation speakers, or dedicated overhead speakers, for the ultimate home theatre experience. DTS:X gives you 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 AVC-X6700H to drive an additional 2 channels.

Advanced 8K HDMI Video Section and Various HDR Format Support

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

Brilliant Colour – Universal Compatibility, HDR10+, Dynamic HDR

The AVC-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 colour. HLG offers HDR technology over broadcast content for a crisper, cleaner image. The AVC-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 AVC-X6700H.

The Latest Technology in Movie Experiences

With the AVC-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 as 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 AVC-X6700H, take your gaming to the next level. Game with 4K/120Hz pass-through, as well as Variable Refresh Rate (VRR), Latency 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 AVC-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 AVC-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 AVC-X6700H is equipped with an advanced dual antenna transceiver system for robust streaming even in congested urban environments. Enjoy listening to your favourite music sources wirelessly from your smart devices. Also, enjoy Apple music through AirPlay 2.

HEOS Built-in Multi-Room Streaming

Enjoy your favourite 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 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 favourite high-resolution audio tracks. The AVC-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 AVC-X6700H also supports other file types such as MP3 and WMA.

Enhanced Audio Return Channel (eARC) Support

The main output of the AVC-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 AVC-X8500H, a sophisticated digital audio processing system that incorporates two dual SHARC+ core DSP chips is adopted into the AVC-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 favourite audio without waking your whole home by transmitting the audio coming from your AV receiver to your Bluetooth headphones. The AVC-X6700H even allows you to play the audio on both Bluetooth headphones and connected speakers simultaneously.

Audyssey Room Correction

The AVC-X6700H features the Audyssey MultEQ XT32 room acoustic measurement system. With the supplied microphone, it precisely analyses 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.

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. Denon - Defining audio excellence.



Technical Information		General	
Number of Power Amps	11	Power Supply	230V / 50/60Hz
Power Output	205 watts per channel (6 ohms, 1 kHz, THD:1%, 1 ch driven)	Power Consumption	750W (Standby 0.1W, CEC standby 0.5W)
	140 watts per channel (8 ohms, 20Hz-20kHz, THD:0.05%, 2 ch driven)	Power Consumption (No Sound)	65W (ECO Mode On) 110W (ECO Mode Off)
Speaker Impedance	4-16Ω/ohms	Maximum Dimensions (WxDxH) Antenna:Horizontal (mm)	434 x 389 x 167
Preamplifier Section		Antenna:Vertical (mm)	434 x 389 x 235
Input Sensitivity/ Impedance	200 mV	w/o Antenna: (mm)	434 x 379 x 167
Frequency Response	10Hz-100kHz +1, -3 dB (Direct Mode)	Carton Dimensions (Packaging) (WxDxH) (mm)	531 x 464 x 302
S/N Ratio	100 dB (IHF-A weighted, Direct Mode)	Weight (kg)	14.8
		Weight (Packaging) (kg)	17.4
		EAN	AVCX6700HBKE2 (Black) 4951835072752
			AVCX6700HSPE2 (Silver) 4951835072769

Ports			
In	HDMI (Front + 1)	x7 + 1	
	8K HDMI	x1	
	Component (Video)	x2	
	Composite (Video)	x4	
	Phono	x1	
	Analogue Audio	x7	
	Digital Coaxial	x2	
	Digital Optical	x2	
USB Front	x1		
Out	HDMI Monitor (1x eARC)	x3	
	8K HDMI	x2	
	HDMI 4K Zone2 out	x1	
	Component (Video)	x1	
	Composite Monitor	x2	
	Audio Pre-out (SW)	13.2 ch	
	Zone 2 & 3 (pre-out and speaker assignable)	yes	
	Headphones	x1	
	Other	Ethernet	x1
		Microphone Port	x1

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