

DENON



110
Anniversary

DEFINING AUDIO
EXCELLENCE
SINCE 1910

DENON AVC-A110

DIGITAL CINEMA AVAILABLE AT
DIGITAL CINEMA

DISCOVER 110 YEARS OF AUDIO EXCELLENCE

In celebration of Denon's 110-year anniversary, fulfill every expectation with the extensively tuned Denon limited edition Anniversary Series silver graphite AVC-A110 13.2ch 8K AV Amplifier. With over a century of audio artisanship, Denon is proud to announce this very special flagship model which delivers the most immersive home experience yet.

HIGHLIGHTS

YOUR BENEFITS

Defining audio excellence since 1910

Denon is proud to release our limited edition Anniversary Series silver graphite flagship AVC-A110 13.2Ch 8K AV Amplifier.

Trusted guarantee

Includes a Certificate of Authenticity stamped with the approval of Denon's Head Engineer and a premium, 5-year out-of-box warranty.

110th Anniversary sound tuning

Love and care for details paired with endless passion to achieve the best possible sound. Made in Japan with a long history and heritage in defining audio excellence.

Premium monolithic design upgrades every expectation

Delivering 210W per channel, the 13Ch AVC-A110 provides the trusted, precise and powerful Denon sound you deserve.

Luxury home cinema

With the latest HDMI technology you can enjoy highest quality video from your source devices up to 8k resolution on 1 dedicated input and 2 outputs for 8K/60Hz and 4K/120Hz pass-through, plus 8K upscaling on all 8 HDMI inputs. There is a third 4k capable zone output too.

Enjoy your favourite immersive 3D audio

Upgrade to the next level of entertainment with room-filling, next generation sound through Dolby Atmos, DTS:X, DTS:X Pro, IMAX Enhanced, and Auro-3D.

Enhanced Audio Return Channel (eARC) HDMI support

Connect your TV with eARC HDMI through the main HDMI output to allow uncompressed and object-based audio formats like Dolby Atmos and DTS:X directly from a smart TV app to your AV amplifier.

The latest in video compatibility

You will experience much greater brightness, contrast, and colour accuracy with enhanced HDR format support including HDR10, HLG, Dolby Vision, HDR10+ and Dynamic HDR. With 8K/60Hz pass-through and upscaling, and Quick Media Switching (QMS), enjoy the smoothest, crystal-clear picture in the highest quality from any source.

Game on, game more

Supporting Auto Low Latency Mode (ALLM), Variable Refresh Rate (VRR) and Quick Frame Transport (QFT), gamers will experience less lag, reduced latency, and eliminated frame tearing for more fluid gameplay and enhanced gaming thrills.

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

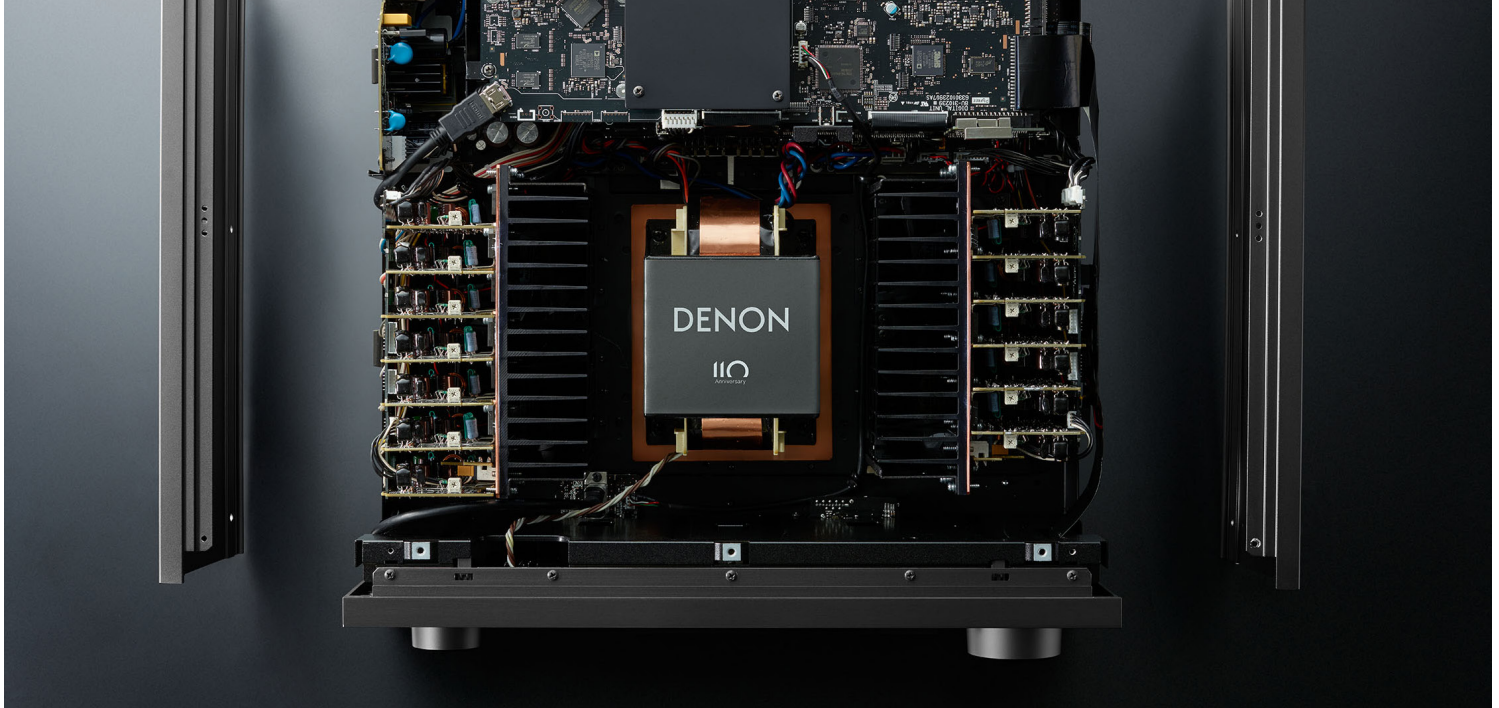
Listen from any room for a connected, whole-home audio experience. The AVC-A110 also works with newly introduced Denon Home Speakers to let you enjoy a whole-home audio experience.

Wireless streaming from the most popular music services:

Enjoy all your favourite music services like Spotify, Amazon Music HD, TIDAL, Deezer and more to have limitless listening enjoyment. The AVC-A110 also lets you enjoy your music via AirPlay 2, letting you stream your favourite tracks from Apple Music.

SINCE 1910 | DEFINING AUDIO EXCELLENCE





Denon Celebrates 110 Years of Defining Audio Excellence

Since 1910, Denon has been upgrading your audio and video expectations and we are proud to celebrate this exceptional achievement with the silver graphite, limited edition Denon Anniversary Series flagship AV Amplifier AVC-A110.

Premium Design to Exceed Expectations

Denon's new AVC-A110 was carefully designed to exceed the high standards of our predecessor AV receivers. Boasting a limited-edition silver graphite colour, iron diecast feet, copper transformer plate, and new premium back panel and speaker panels, the AVC-A110 is specially crafted for the most dedicated fans. Designed and engineered with aspiration in mind, the AVC-A110 is as elegant on the inside as it is on the outside, featuring an all-black interior to truly differentiate from any other AV receiver or amplifier in the market.

Certificate of Authenticity and 5-Year Warranty

This Denon limited edition Anniversary Series flagship amplifier comes with a special Certificate of Authenticity stamped with the approval of Denon's Head Engineer and a premium, 5-year out-of-box warranty.

Masterful Home Theatre Experience – 8K Ready

For 110 years, Denon has strived to deliver the most cutting-edge audio and video technical achievements. To honor that legacy and spirit of innovation, the AVC-A110 delivers an ultra-premium 8K home theatre experience.

With 8K/60Hz pass-through for the most detailed of images, 4K/120Hz pass-through for the even more fluid gaming, and support for the latest HDMI specifications, you can build the best 4K home theatre today and relax in the comfort of knowing that your AV amplifier is 8K ready when you are. Enjoy the highest quality 3D audio and video for even the most demanding entertainment needs.

Powerful 13-Channel Amplifier with the Latest Home Cinema Specs

Featuring a sophisticated power amplifier design, the AVC-A110 delivers high-power performance at 210 watts per channel to ensure a dynamic and precise entertainment experience. Low impedance drivers provide operational stability for a wide range of speakers and create a balanced, tonal sound.

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-A110 offers an advanced HDMI section (8 in/3 out) with a dedicated 8K input that will support 8K/60Hz or 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 colour, clarity, and contrast. Enjoy 8K upscaling and HDCP 2.3 processing to freely play copy-protected content on HDMI inputs.

Brilliant Colour – Universal Compatibility, HDR10+ and Dynamic HDR

The AVC-A110 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-A110 also supports HDR10+, which sends dynamic meta data to TV for more realistic images, as well as Dynamic HDR.

(Some technologies are not available on all televisions.)

Dolby Atmos® and Dolby Atmos Height Virtualization Technology

Feel every dimension in Dolby Atmos. Enjoy a 7.1 or 9.1 surround sound speaker system and additional overhead speakers or Dolby Atmos elevation speakers for the ultimate home theatre experience – including Dolby Surround up-mixer for legacy content.

For those without in-ceiling speakers, Dolby Atmos Height Virtualization Technology leverages Dolby's deep understanding of human audio perception to create the sensation of overhead sound from listener-level speakers.

DTS:X® and DTS Virtual:X™

DTS:X immersive audio content places sound where it would naturally occur in space, creating life-like 3D audio. The included spatial remapping engine of DTS Neural:X offers improved immersion and heightened realism for all your favourite movies.

DTS Virtual:X provides immersive audio without height channels, creating virtual height effects in a 7.1, 5.1 or 2.1 speaker arrangement.

DTS:X® Pro

Featuring the latest audio format support to experience your entertainment decoded with the most current DTS 3D audio technology. Enjoy up to 13.2 channels of audio processing with DTS:X Pro for full surround sound in exquisite detail.

IMAX® Enhanced

Get the most premium at-home entertainment experience with IMAX Enhanced – the latest technology from DTS that sets a new standard for home theatre imaging, sound, scale and clarity. Content is digitally remastered by IMAX for clearer, brighter images and immersive, heart-pounding audio.

Auro-3D®

With a combination of traditional channel supporting up to a 13.2 configuration and dedicated height and overhead channels, Auro-3D provides an immersive surround sound experience. Audio formatting identifies sound objects individually and projects them to different spaces in your listening environment, creating an immersive, 3D sound stage.

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 9.1.4 speaker configurations.

Enhanced Audio Return Channel (eARC) Support

The main HDMI output of the AVR-A110 supports eARC (enhanced Audio Return Channel) to enable uncompressed and object-based audio transmission, like Dolby Atmos and DTS:X, directly from your smart TV apps.

Take A Role in All of Your Favourite Films

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

The Next Level in Gaming

The AVC-A110 delivers the most up to date gaming thrills with 4K/120Hz pass-through, as well as Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM), which reduces or eliminates lag and frame tearing to offer a smoother, lag-free gaming experience.

Works with Amazon Alexa

Use hands-free control 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-A110, HEOS devices, and other select Denon products. External voice access point needed.

Works with Google Assistant

Start music in the HEOS app, then ask your Google Assistant to control volume, play, pause, skip tracks and more. External voice access point needed.

Apple AirPlay 2 Built-in

Use AirPlay 2 to stream Apple music wirelessly to the AV amplifier, or group with other AirPlay compatible speakers to fill your home with music.

Built-in Bluetooth and Wi-Fi Capability

With Bluetooth and Wi-Fi wireless streaming connectivity, the Denon AVC-A110 is equipped with an advanced dual antenna transceiver system for robust streaming even in congested urban environments. Enjoy listening to your favourite audio content wirelessly from your smart devices.

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 modern voice control and incredible sound for all your home entertainment. Connect your Denon Home speakers for a whole-home audio experience.

HEOS supports all your favourite free and premium services like Spotify, Amazon Music HD, Tunes, SoundCloud, TIDAL, and more.

(Not all music services available in all regions.)

Multi-Source, Multi-Room

With the Denon AVC-A110, it's possible to enjoy 13.2 channel surround sound in one room and a separate source or stream music in up to two other rooms for a total of 3 sources and 3 zones. Watch a movie in one room while another family member listens to music in a different zone without interruption.

All Zone TV Audio

Play the audio from your TV to all zones. Enjoy full discrete audio such as Dolby Atmos in the main zone for a totally immersive experience while playing the same source in the second or third zone. Select "Source" for the second zone to share the main zone audio. The AVC-A110 supports both HDMI and digital sources for your second or third zone.

Hi-Res Audio Support for the Most Demanding of Fans

With masterful design, comes masterful audio delivery. With the Denon AVC-A110 enjoy superior audio fidelity with your favourite Hi-Res Audio tracks. The AVC-A110 features a reference-class AKM 32-bit D/A converter allowing for Hi-Res Audio decoding with multiple lossless file types, including ALAC, FLAC and WAV at up to 192-kHz/24-bit. 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-A110 also supports other file types such as MP3 and WMA.



Powerful DSP Audio Processing

The AVC-A110 boasts a sophisticated digital audio processing system that incorporates 2 dual SHARC+ core DSP chips, which together have a combined continuous processing capability of 10.8 GFLOPS (10.8 billion floating point numerical computations per second). Thanks to this ample processing ability, the AVC-A110 has the power to decode and process 13 channel audio such as the newly introduced 13 channel reproduction DTS:X Pro.

13.2 Channel Processing Capability

Enjoy your favourite shows and movies in even deeper immersive realism than ever before. The AVC-A110 supports up to 13.2 channel processing with 13 channel amplification. Build up to a 9.2.4 or a 7.2.6 speaker configuration for the full immersive, 3D audio experience.

AL32 Processing

Listen with advanced Denon audio processing features such as AL32 Processing. Denon-proprietary AL32 Processing technology provides multi-channel, ultra-high-resolution digital audio filtering on all audio channels and delivers a natural soundstage with enhanced sound imaging.

Phono Input for Turntable / Vinyl Support

The AVC-A110 offers the latest in AV receiver technology yet remains deeply committed to our legacy of audio excellence. The included phono input lets you connect your turntable and enjoy your vinyl collection in exceptional clarity.

Dual Subwoofer Outputs

Immerse yourself in evenly distributed, accurate bass. The AVC-A110 features two subwoofer outputs to smooth out low frequencies and provide better dispersion. Connected subwoofers can be calibrated independently with Audyssey Sub EQ HT for more seamless bass performance tailored to your room. No audible peaks or dips – just powerful, room-filling bass.

Pre-Amplifier Mode

With the new Pre-Amplifier Mode, your Denon AVC-A110 works 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.

Roon Tested Certified

All new Denon AV receivers and amplifiers are now Roon Tested including the AVC-A110. Get more out of your digital music library with searchable, surfable information about your favorite artists and songs. Find lyrics, concert dates, photos, bios, reviews and more. Subscription required.

Easy Setup and Automatic HDMI Rename

The included AVC-A110 Quick Start Guide provides simple, clear instructions to get started. Once you connect your TV to the AVC-A110 via HDMI, the exclusive Denon Setup Assistant appears on your TV screen to walk you through easy setup, step by step. The AVC-A110 will rename HDMI inputs automatically when connected or rename them manually at your convenience.

Quick Selects for User-Friendly Audio Tuning

The Denon AVC-A110 front panel features four Quick Select buttons that store preferred audio settings for each source. Switch between TV audio, Blu-ray, media players and more, and the AVC-A110 adjusts the EQ settings to your preferences for that media source. Use the buttons on the front panel or opt for the same Quick Selects on the AVC remote for faster control.

Smart TV Connectivity

Control the Denon AVC-A110 with your TV remote via the HDMI CEC functionality associated with your TV. The Smart Menu home screen delivers quick access to source and surround mode selections, the setup menu and four Quick Selects.

Denon AVR Remote App for Seamless Control

The free Denon AVR Remote for iOS and Android makes using the AVC-A110 even easier – adjust volume, turn it on or off, mute the music, select a source or switch to HEOS. Download the free Denon AVR Remote app to your smartphone or tablet today for better control in your back pocket.

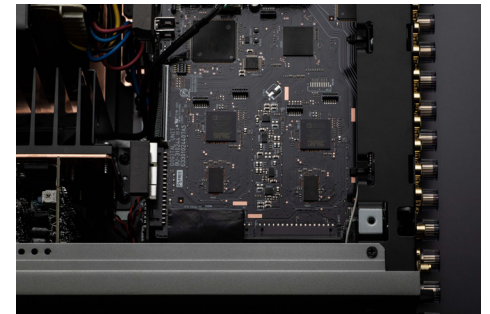
Audyssey MultEQ XT32 for Simple Setup and Room Calibration

Optimize your audio experience with Audyssey MultEQ XT32 for seamless setup of your listening environment. With the supplied measurement microphone, MultEQ XT32 analyzes each speaker's output (including subwoofers) at up to eight measurement locations and generates precision digital filters that optimize each channel for the correct frequency and time domain response. Audyssey Dynamic Volume smooths out disruptive jumps in volume (such as TV commercials), letting you listen at lower levels while still enjoying clear dialogue, music and sound. Audyssey Dynamic EQ provides full-range clarity at any listening level, and Audyssey Low Frequency Containment uses advanced psychoacoustic algorithms to deliver a full-range balance, including deep bass, without disturbing neighbors or people in other rooms of your home. Audyssey Sub EQ HT provides individual DSP tailoring of each subwoofer in a dual subwoofer setup for deeper bass with improved definition. Plus, the Audyssey MultEQ Editor app (available for purchase) lets you view and adjust settings for detailed tuning and customize the sound more precisely to your room and taste.

The app is available for both iOS and Android.

Custom Install Ready

The Denon AVR-A110 features external control and IP control capabilities for easy customization and compatibility with third-party integration solutions.



Technical Information		General		
Number of Power Amps	13	Power Supply	AC 230V, 50/60Hz	
Power Output	210 watts per channel (6 ohms, 1 kHz, THD: 1%, 1ch driven)	Power Consumption	900W (Standby 0.1W, CEC standby 0.5W)	
	190 watts per channel (6 ohms, 1 kHz, THD: 0.7%, 2ch driven)	Power Consumption (No Sound)	78W (ECO Mode On) 125W (ECO Mode Off)	
	150 watts per channel (8 ohms, 20Hz-20kHz, THD: 0.05%, 2ch driven)	Maximum Dimensions Antenna:Horizontal (WxDxH)	434 x 482 X 195	
Speaker Impedance	4-16Ω/ohms	Antenna:Vertical (WxDxH)	434 x 482 X 259	
Preamplifier Section	Input Sensitivity	200 mV	w/o Antenna: (WxDxH)	434 x 472 x 195
		Frequency Response	10 Hz- 100 kHz - +1, -3 dB (Direct Mode)	Carton Dimensions (Packaging) (WxDxH) (mm)
S/N Ratio	102 dB (IHF-A weighted, Direct mode)	Weight in kg	23.3kg	
		Weight in kg (Packaging)	26.9kg	
		SAP Code/EAN	AVCA110GSE2 4951835074077	

Ports		
In	HDMI (Front + 1)	x7 + 1
	8K HDMI	x1
	Component (Video)	x3
	Composite	x4
	Phono	x1
	Analogue Audio	x7
	Digital Optical	x2
Out	Coaxial	x2
	HDMI Monitor (eARC)	x3 (1 w/eARC)
	8K HDMI	x2
	Component (Video)	x1
	Composite	x2
	Audio Pre-out (SW)	15.2 ch
	Subwoofer out	x2
	Zone out	x3
	Headphone out	x1
	12v Trigger	x2
Other	Ethernet	x1
	Audyssey Microphone Port	x1

HEOS logo is trademark or registered trademark in the US and/or other countries. Availability of music services may vary by region. Not all services may be available at time of purchase. Some services may be added or discontinued from time to time based on decisions of the music service providers or others. Visit www.HEOSaudio.com/music for announcements and details. HEOS app and brand is not affiliated with any manufacturer of any smart phone. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by D&M Holdings Inc. is under license. Denon is a trademark or registered trademark of D&M Holdings, Inc. All specs can be subject to change.