



# AVR-X6300H

11.2CH AV SURROUND RECEIVER WITH HEOS

## ULTIMATE HOME CINEMA CENTER WITH MONOLITHIC AMP DESIGN AND HEOS



Experience the first ever Denon AV Receiver with 11 amplifier channels built-in. Reference class Home Cinema.

### HIGHLIGHTS

- 11.2 channel AV Receiver with 140W per channel; 11.2ch processing
- Monolithic Amplifier Design with Denon Custom Made Transistors
- Built-in WiFi with 2.4GHz/5GHz dual band support; built-in Bluetooth
- 4K/60 Hz full-rate pass-through, 4:4:4 color resolution, HDR and BT.2020
- 8 HDMI inputs (incl. 1 front) with full HDCP 2.2 support; 3 HDMI outputs
- Advanced Video Processing with analog to HDMI conversion and full rate 4K Scaling
- Dolby Atmos and DTS:X (up to 7.1.4 without add. 2ch amplifier); Auro-3D upgradable
- Built-in HEOS Wireless Multi-Room Audio Technology
- AirPlay, Bluetooth, Internet Radio, Spotify Connect, Pandora, SiriusXM, Napster, Amazon Music, TIDAL, Deezer, Network Audio Streaming
- DSD (2.8/5.6MHz), FLAC, ALAC and WAV support
- Audyssey MultEQ XT32 with SubEQ, LFC, Dynamic Volume, Dynamic EQ
- Advanced Multi-Room options; 11.2ch Pre-out; RS232 Control

### YOUR BENEFITS

- 11 powerful amplifiers for an ultimate 3D audio performance with Denon sound
- Ultimate build-quality for reference-class audio experience
- Solid network connectivity especially in WiFi-crowded homes
- Latest HDMI standard for future-proof compatibility
- Plenty of inputs for your digital devices; different video in different rooms
- Full HD and even Ultra HD video quality from existing DVDs or analogue sources
- Full 3D sound options without the need of external amplification
- Enjoy your music in your whole house with more HEOS products
- Access to almost unlimited online music sources
- High Resolution audio streaming for HiFi enthusiasts even in Gapless
- Delivering ultimate equalization for your individual room including subwoofer EQ
- Audio and video in multiple rooms; ready for 3rd Party Home Automation systems



Powerful 11 Channel Discrete Amplifier with ECO Mode

The AVR-X6300H features a sophisticated power amplifier section with 11 channels in a monolithic amplifier design for ultimate clarity and power. Each channel is rated at 140 watts (8 ohms, 20 Hz - 20 kHz, THD 0.05%, 2ch driven) and all channels are able to safely drive lower impedance speakers (down to 4 ohms). Denon's intelligent ECO mode adjusts power consumption according to signal level, and there's an on-screen Eco Mode display that lets you see in real time how much energy ECO mode is saving. Most remarkably, the 11 channel amplification allows for setting up a full 7.1.4 3D experience without the need of an external amplifier. If not in use for 3D audio the integrated amplifiers can get assigned to drive another pair of speakers in a second audio zone running a different source than the main room.

HEOS wirelss multi-room music streaming, controlled by free HEOS app

Built-in HEOS technology allows the AVR-X6300H to become part of the HEOS wireless multi-room system, allowing you to enjoy your favorite music anywhere – and everywhere – around your home. Share music stored on your home network, Internet radio or streaming services with HEOS wireless speakers, or even other HEOS-capable receivers, throughout the house. And it's all controlled by the free HEOS app, installed on as many smartphones and tablets as you like! The app gives you instant multi-room audio control, meaning you can command music in every room from any device: play different music from different sources in every room, group several rooms together and play the same song.

Learn more about our HEOS family under [www.heosbydenon.com](http://www.heosbydenon.com)

Built-in Bluetooth, and Wi-Fi

Featuring Bluetooth and Wi-Fi wireless streaming connectivity, the AVR-X6300H is equipped with an advanced dual antenna system for robust and error-free streaming even in congested urban environments. Connected to the Internet through your home Wi-Fi network (or with a hard-wired connection via the RJ-45 Ethernet LAN port), it allows you to enjoy your favourite tracks from streaming music services such as Spotify Connect, Deezer, Tidal and many more using the free HEOS app. You can also choose from thousands of Internet radio stations from around the world, and enjoy music and speech entertainment of virtually every genre. AirPlay lets you play your favourite tracks wirelessly from your iPod touch, iPhone or iPad, and via network streaming you can listen to music files stored on your home PC or Mac, or NAS devices in standard resolution, but as well in high resolution like FLAC or DSD. The all-new Denon 2016 AVR Remote App lets you control the AVR-X6300H with your smartphone or tablet: it's available for Apple iOS, Android and for the Kindle Fire.

Dolby Atmos / DTS:X / AURO-3D

Now you can enjoy 3D sound at home with the AVR-X6300H, which features full flexibility in the speaker configuration to extend a standard 5.1 or 7.1 system by up to 4 additional overhead speakers or Dolby Atmos-certified elevation speaker for the ultimate home theatre experience. This includes both Dolby Atmos and DTS:X new native 3D formats, as well as Dolby Surround and DTS Neural:X upmixing for existing content. And via a paid upgrade, the AVR-X6300H will also be able to playback Auro-3D sound or upmix your beloved movie collection with Auromatic.

Latest HDMI 2.0a Connectivity; HDCP 2.2 Compatible; ISF-Certified

Prepared for the future, with no fewer than eight HDMI inputs (including one conveniently located on the front panel) and triple HDMI outputs (out1, out2, zone output), the AVR-X6300H's advanced video section features the latest HDMI specifications, including 4K Ultra HD 60Hz video, 4:4:4 Pure Color sub-sampling, High Dynamic Range (HDR) and 21:9 video, 3D, and BT.2020 pass-through support on every input. It also features HDCP 2.2 compatibility, a requirement for 4K Ultra HD copy-protected content, ensuring ready for the next generation of Blu-ray disc players, set-top boxes and other 4K Ultra HD sources. In addition, the video processor can also upscale all analogue and digital video to 4K Ultra HD. Certified by the Imaging Science Foundation, the AVR-X6300H features a full suite of video calibration controls (for use by an ISF technician), along with ISF Day and ISF Night video modes.

Most advanced Audyssey Room Correction Suite

Equipped with the full Audyssey Platinum suite of advanced DSP algorithms, the AVR-X6300H features Audyssey MultEQ XT32 automatic room acoustic correction. With the supplied measurement microphone, MultEQ XT32 analyzes each speaker's output (including the subwoofers) at up to 8 measurement locations and generates precision digital filters that optimize each channel for the correct frequency and time domain response. Audyssey Low Frequency Containmentment uses advanced psychoacoustic algorithms to deliver a full range tonal balance, including deep bass, but without disturbing close-by neighbors or family members in other rooms, and features a multi-step adjustment that lets you dial in the amount of containment to your preference. Audyssey Sub EQ HT provides individual DSP tailoring of each subwoofer in a dual subwoofer setup, for deeper bass with improved definition, compared to a single subwoofer configuration.



Technical information			
Number of power amps	11 (Front L/R, Center, Surround L/R, Surround Back L/R, Height 1 (Front wide) L/R, Height 2 L/R)	S/N Ratio	100 dB (IHF-A weighted, DIRECT mode)
		FM section	
Power output	250 watts per channel Maximum Power Outlet Per Channel	Tuning frequency range	87.5 - 107.9 MHz
		AM section	
	175 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven)	Tuning frequency range	520 kHz – 1710 kHz
	140 watts per channel (8 ohms, 20 Hz - 20 kHz, THD 0.05%, 2ch driven)	General	
Speaker impedance	4 - 16 ohms	Power supply	AC 120 V, 60 Hz
Preamplifier section		Power consumption	750 W (Standby 0.1 W, CEC standby 0.5 W)
	Input sensitivity/impedance	Power consumption No-Sound	65 W (ECO on), 110 W (ECO off)
Frequency response	200 mV / 47 kohms	Dimensions (W x H x D)	17.1 x 6.6 x 15.1 inches
	10 Hz - 100 kHz — +1, –3 dB (DIRECT mode)	Weight	31.1 lbs

UPC	AVRX6300HBKE3	883795004015	Black
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Ports		
IN	HDMI (Front 1)	x 8
	Component (video)	x 2
	Composite (video) (Front 1)	x 4
	Phono	x 1
	Analogue Audio	x 6
	Digital Optical / Coaxial	x 2 / x 2
OUT	USB (front)	x 1
	HDMI Monitor / Zone 2	x 2 / x 1
	Component	x 1
	Composite Monitor	x 1
	Audio Preout (SW)	11.2 ch
	Zone 2 / Zone 3 Pre-out	2.0 ch
OTHER	Phones	x 1
	Ethernet	x 1
	Microphone Port	x 1
	FM Tuner Antenna	x 1
	AM Tuner Antenna	x 1
	RS232 / 12 V Trigger out	x 1 / x 1

Denon Electronics (USA), LLC.  
D&M Canada  
100 Corporate Drive, Mahwah, New Jersey  
07430 USA  
TEL 201-762-6500

[usa.denon.com](http://usa.denon.com) [ca.denon.com](http://ca.denon.com)

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