



AVR-X2300W 7.2CH AV SURROUND RECEIVER

THE CHOICE FOR DEMANDING YET PRICE-CONSCIOUS ENTHUSIASTS

Fully loaded with the very latest audio and video technologies, the AVR-X2300W delivers incredibly immersive surround sound, optimized via extensive sound tuning – not to mention plenty of amplifier power.

HIGHLIGHTS

- 7.2 channel AV Receiver with 95W per channel (8ohms, 20Hz – 20kHz with 0.08% T.H.D.)
- Built-in Wi-Fi 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; 2 HDMI outputs
- Advanced Video Processing with 4K Scaling for HDMI sources
- Dolby Atmos® (up to 5.1.2) and DTS:X™ (via firmware update)
- AirPlay®, Bluetooth®, Internet Radio, Spotify Connect®, Pandora®, SiriusXM™ Network Audio Streaming
- DSD (2.8/5.6MHz), FLAC, ALAC, AIFF and WAV support
- Audyssey MultEQ XT, Dynamic Volume and Dynamic EQ
- Color-coded speaker terminals, Setup Assistant, Denon 2016 AVR Remote App
- Intelligent ECO mode with off/on/auto setting

YOUR BENEFITS

- Enough power to fill medium size rooms with unique Denon sound
- Improved network stability especially in Wi-Fi-crowded homes
- Latest HDMI standard for future-proof compatibility
- Plenty of inputs for your digital devices; ready to feed a TV and projector in parallel
- Full HD and even Ultra HD video quality from existing DVDs or other digital video sources
- Blockbusting 3D sound with effects from overhead
- Access to almost unlimited online music sources
- High Resolution audio streaming for Hi-Fi enthusiasts even in Gapless
- Delivering perfect equalization for your individual room
- Hassle-free installation, setup and operation
- Energy-conscious without compromising on performance



Powerful 7 Channel Discrete Amplifier with ECO Mode

Featuring high current discrete power output devices on all seven channels, the AVR-X2300W is rated at 95 watts per channel. It's also equipped with high-current low impedance drive capability, for compatibility with the widest range of loudspeaker models (down to 4 ohms). The ECO mode adjusts the power amplifier's output according to the volume level to reduce power consumption, with an on-screen ECO meter providing real-time monitoring of the power-saving.

Built-in Bluetooth and Wi-Fi

Featuring Bluetooth and Wi-Fi wireless streaming connectivity, the AVR-X2300W 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 favorite tracks from streaming music services such as Spotify Connect, Pandora, and SiriusXM. 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 favorite 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. The all-new Denon 2016 AVR Remote App lets you control the AVR-X2300W with your smartphone or tablet over a network connection: it's available for both Apple® iOS and Android™ devices.

Dolby Atmos & DTS:X

Dolby's revolutionary Dolby Atmos technology dispenses with the channel-based surround sound coding used for decades, in favor of advanced object-based coding, giving the sound designer the ability to place sounds precisely anywhere in the three-dimensional soundspace. Now you can enjoy this award-winning technology at home with the AVR-X2300W, which features the ability to connect

a 5.1 surround sound speaker system and 2 additional overhead speakers or 2 additional Dolby Atmos elevation speakers for the ultimate home theater experience.

DTS:X: The latest immersive surround sound system, DTS:X features similar object-based audio coding, and provides for overhead speakers to deliver a stunning surround sound experience. (DTS:X will be enabled via future firmware update: for more info, please visit www.denon.com/dtsx). This includes both Dolby Surround and DTS Neural:X upmixing: users with a '3D' sound speaker set-up are able to get an enhanced surround experience from conventional Dolby- or DTS-encoded content, or even music in stereo, using the full set of speakers installed in the listening room.

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

With no fewer than eight HDMI inputs (including one conveniently located on the front panel), along with dual HDMI outputs, the AVR-X2300W'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. The AVR-X2300W 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 digital SD and HD video to 4K Ultra HD. Certified by the Imaging Science Foundation, the AVR-X2300W features a full suite of video calibration controls (for use by an ISF technician), along with ISF Day and ISF Night video modes.

High Resolution Audio

Discover the incredible fidelity of high resolution audio tracks with the AVR-X2300W's ability to decode up to 24-bit/192-kHz lossless

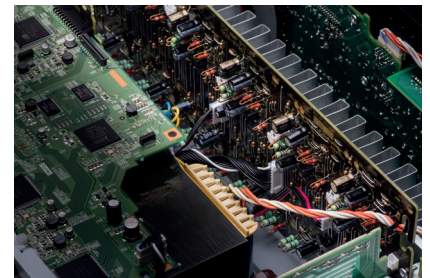
files (AIFF, FLAC and WAV; ALAC/Apple Lossless to 24-bit/96kHz), as well as DSD 2.8MHz (the audiophile format of SACD) and now 5.6MHz. Play them from memory devices via the front panel USB, or from network sources – the AVR-X2300W will also play lossy file types such as MP3.

Audyssey Room Correction

As the first AV receiver manufacturer to embrace Audyssey's advanced DSP audio algorithms, Denon brings to the AVR-X2300W the Audyssey Silver suite of DSP functions, which includes MultEQ XT, Dynamic EQ and Dynamic Volume. Audyssey MultEQ XT automatic room acoustic measurement and correction system uses the supplied microphone and a test-tone sequence to match your speakers to your room's acoustics, giving the smoothest, most natural tonal balance. The MultEQ XT system here provides greater filter precision for the main and satellite speakers, with eight times the resolution of the base MultEQ system, for up to 8 measurement locations to ensure the best sound for the whole family, not just one ideal 'sweet spot'. Audyssey Dynamic EQ uses advanced psychoacoustic algorithms to continually adjust tonal balance to deliver full range sound, even at lower volume levels; Audyssey Dynamic Volume smoothes out those annoying volume jumps – especially from loud commercials – for an easier viewing experience.

Easy To Setup, Easy To Use

The AVR-X2300W's clear, easy to understand graphical on-screen display guides you through the setup process to ensure the correct configuration. The exclusive Setup Assistant and the included Quick Start guide together provide easy setup instructions, leading the user step by step to optimize critical settings for the best possible sound and video quality with the rest of your system.



Technical Information	
Number of power amps	7 (Front L/R, Center, Surround L/R, Surround Back L/R)
Power output	185 watts per channel Maximum Power Output Per Channel
	125 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven)
	95 watts per channel (8 ohms, 20 Hz - 20 kHz, THD 0.08%, 2ch driven)
Speaker impedance	4 - 16 ohms
Preamplifier section	
Input sensitivity/impedance	200 mV / 47 kohms
Frequency response	10 Hz - 100 kHz — +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 kHz – 1710 kHz
General	
Power supply	AC 120 V, 60 Hz
Power consumption	500 W (Standby 0.1 W, CEC standby 0.5 W)
Power consumption No-Sound	35 W (ECO on), 75 W (ECO off)
Dimensions (W x H x D)	17.1 x 6.6 x 13.3 inches
Weight	20.7 lbs.

Ports		
IN	HDMI (Front 1)	x 8
	Composite (video)	x 2
	Analog Audio	x 4
	Digital Coaxial	x 1
OUT	USB (front)	x 1
	HDMI Monitor	x 2
	Video Monitor	x 1
	Audio Preout (SW)	0.2 ch
OTHER	Zone 2 Preout	2.0 ch
	Phones	x 1
	Ethernet	x 1
	Microphone Port	x 1
	FM Tuner Antenna	x 1
	AM Tuner Antenna	x 1
	RS232 /Trigger Out	x 1 / x 1

UPC	AVRX2300WBKE3	8-83795-00384-1	Black
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* All specs can be subject to change * Available only in Black