DENON®

AVR-X6400H
11x 205W AV SURROUND RECEIVER WITH HEOS MUSIC STREAMING TECHNOLOGY

WORLD-CLASS HOME ENTERTAINMENT

HEOS®

Premium 11.2 channel AV Surround Receiver with monolithic amplifier design, all 3D audio formats built-in, and unparalleled music playback options, thanks to our HEOS technology.

HIGHLIGHTS	YOUR BENEFITS
11.2 channel AV Receiver with 205W per channel; 11ch processing	11 powerful amplifiers for an ultimate 3D audio performance with Denon sound
Monolithic Amplifier Design with Denon Custom Made Transistors	Ultimate build-quality for reference-class audio experience
Built-in WiFi with 2.4GHz/5GHz dual band support; built-in Bluetooth	Solid network connectivity especially in WiFi-crowded homes
4K/60 Hz pass-through, Dolby Vision compatible, HDR, HLG, eARC and BT.2020	Latest HDMI standard for future-proof compatibility
8 HDMI inputs (incl. 1 front) with full HDCP 2.2 support; 3 HDMI outputs	Plenty of inputs for your digital devices; different video in different rooms
Advanced Video Processing with analogue to HDMI conversion and full rate 4K Scaling	Full HD and even Ultra HD video quality from existing DVDs or analogue sources
Dolby Atmos and DTS:X (up to 7.1.4 without add. 2ch amplifier); Auro-3D built-in	Full 3D sound options without the need of external amplification
Built-in HEOS Wireless Multi-Room Audio Technology	Enjoy your music in your whole house with more HEOS products
AirPlay, Bluetooth, Internet Radio, Spotify Connect, Tidal, Deezer, Network Audio Streaming	Access to almost unlimited online music sources
High Resolution DSD (2.8/5.6MHz), FLAC, ALAC and WAV support	High Resolution audio streaming for HiFi enthusiasts even in Gapless
Audyssey MultEQ XT32, Dynamic Volume and Dynamic EQ, LFC, Sub EQ HT	Delivering ultimate equalization for your individual room including subwoofer EQ
Advanced Multi-Room options; 11.2ch Pre-out; RS232 Control	Audio and video in multiple rooms; ready for 3rd Party Home Automation systems

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Powerful 11 Channel Discrete Amplifier with ECO Mode

The AVR-X6400H features a sophisticated power amplifier section with 11 channels in a monolithic amplifier design for ultimate clarity and power. Each channel is rated at 205 watts and all channels are able to safely drive lower impedance speakers (down to 4 ohms). There's also an Auto Eco mode that adjusts the maximum power available according to the volume level as well as an on-screen Eco meter that lets you see the power consumption reduction in real time.

Advanced Sound Processing

For optimum fidelity and the widest dynamic range with lowest distortion, the AVR-X6400H features advanced reference-class 32-bit AKM AK4458VN D/A converters on all channels. This ensures consistent high fidelity and precise channel matching across all channels for the ultimate listening experience.

Unique Denon Audio Technologies

AL32 Processing Multi-channel provides ultra-high-resolution digital audio filtering and precision for all audio channels, to deliver a natural soundstage with enhanced imaging. For contents recorded in multi-channel such as Blu-ray discs, the recorded low frequency effects (LFE) may be out of synch and delayed. Bass Sync technology corrects such a delay of low frequency effects for the perfect audio experience.

Enjoy superb audio fidelity

The AVR-X6400H features high resolution audio decoding with multiple lossless file types including ALAC, FLAC and WAV at up to 24-bit/196-kHz along with compatibility for 2.8/5.6-MHz DSD files (DSD is the audio coding format of SACD).

Get the amazing HEOS Experience

Enjoy your favourite 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. Control it all with the free HEOS app. Enjoy music from TuneIn, Internet Radio and a wide range of streaming services including Spotify®, TuneIn Internetradio, Soundcloud®, Tidal, Napster or Deezer.
Learn more about our HEOS family under www.heosbydenon.com

Unwire your sound

The AVR-X6400H is equipped with an advanced dual antenna system for robust and error-free music streaming, featuring Bluetooth and Wi-Fi connectivity as well as Apple's AirPlay for direct music playback from Apple's iDevices. With the "Denon 2016 AVR Remote" app you can control the receiver's operation and even control your connected Denon Blu-ray player. With the HEOS app you easily command your music and multi-room streaming.

Dolby Atmos / DTS:X / AURO-3D all built-in

Enjoy the most complete surround sound experience with latest audio formats Dolby Atmos, DTS:X and Auro-3D built-in. Most remarkably, the 11 channel amplification allows for setting up a full 7.1.4 3D experience without the need of an external amplifier.

Ready for the future of home cinema

The AVR-X6400H's advanced video section is fully compatible with the latest HDMI and HDCP 2.2 specifications and prepared for any 4K Ultra HD source. High Dynamic Range (HDR), Dolby Vision compatibility, Hybrid Log Gamma (HLG) and eARC (enhanced Audio Return Channel; via future firmware update) are at hand as well. You can also enjoy ultra-high-definition pictures from legacy analogue and digital sources. With three HDMI outputs, you can even connect a TV and a projector in the main room, while playing back different content on a second zone screen.

Measure your sound to your room

The AVR-X6400H features the most advanced Audyssey MultEQ XT32 room acoustic measurement system including Audyssey Dynamic Volume, Dynamic EQ, LFC and SubEQ HT. Through these technologies, and with the supplied microphone, it exactly analyses each speaker's output to optimize the overall listening experience. With the additional Audyssey MultEQ Editor App (available for purchase), very advanced users can even go further "under the hood" if desired.

External Control and IP Control Capabilities

The AVR-X6400H is equipped with a range of features to provide enhanced control capabilities and compatibility with 3rd party and custom integration solutions including Crestron Connected. This includes operation through IP control, either via wired LAN connection or Wi-Fi. For direct connection to external home automation and control equipment, it's also equipped with an RS-232C serial port. For simpler integrated control set-ups, the AVR-X6400H features an IR (infrared) remote control input on the rear panel, allowing remote control compatibility with other components in your home theatre system.

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)
Power output	205 watts per channel (6 ohms, 1 kHz, THD 1%, 1ch driven)
	175 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven)
	140 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 - 108 MHz
AM section	
Tuning frequency range	522 kHz – 1611 kHz
General	
Power supply	AC 230 V, 50 Hz
Power consumption	750 W (Standby 0.1 W, CEC standby 0.5 W)
Power consumption No-Sound	65 W (ECO on), 110 W (ECO off)
Dimensions (W x H x D)	434 x 167 x 393 mm
Weight	14.5 kg

EAN		AVRX6400HBKE2	4951035060803	Black
		AVRX6400HSPE2	4951035060810	Premium Silver
UK		AVRX6400HBKE2GB	4951035060827	Black
		AVRX6400HSPE2GB	4951035060834	Premium Silver

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
	USB (front)	x 1
OUT	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
	Phones	x 1
OTHER	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