



# AVR-X6400H

11.2CH AV SURROUND RECEIVER WITH HEOS MUSIC STREAMING TECHNOLOGY

## WORLD-CLASS HOME ENTERTAINMENT



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

- 11.2 channel AV Receiver with 140W per channel (8 ohms, THD0.05%, 20Hz~20kHz)
- Monolithic Amplifier Design with Denon Custom Made Transistors
- Built-in Wi-Fi with 2.4GHz/5GHz dual band support; built-in Bluetooth®
- 4K/60 Hz pass-through, Dolby Vision compatible, HDR, HLG, eARC\* 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 built-in
- Built-in HEOS Wireless Multi-Room Audio Technology
- AirPlay, Bluetooth, TuneIn Internet Radio, Pandora®, Spotify®, Amazon Prime Music, iHeartRadio, SiriusXM, Soundcloud®, Tidal, Napster, Deezer and Network Audio Streaming
- High Resolution DSD (2.8/5.6MHz), FLAC, ALAC and WAV support
- Audyssey MultEQ XT32, Dynamic Volume and Dynamic EQ, LFC, Sub EQ HT

### 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 Wi-Fi-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 analog 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



\* via firmware update

### 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 140 watts (8 ohms, 20 Hz - 20 kHz, THD 0.08%, 2ch driven) 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 sync 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 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. Control it all with the free HEOS app. Enjoy music from TuneIn, Internet Radio and a wide range of streaming services including Pandora®, Spotify®, Amazon Prime Music, iHeartRadio, SiriusXM, SoundCloud®, Tidal, Napster or Deezer (\*). Learn more about our HEOS family under [www.heosbydenon.com](http://www.heosbydenon.com).

(\*) Availability differs by area, subscription may be required.

### 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. Other features include High Dynamic Range (HDR), Dolby Vision compatibility, Hybrid Log Gamma (HLG) and eARC (enhanced Audio Return Channel; via future firmware update). You can also enjoy ultra-high-definition pictures from legacy analog 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 analyzes 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 part of Denon's range of IN-Command series of custom integration friendly AV components, equipped with a range of features to provide enhanced control capabilities and compatibility with 3rd party and custom integration solutions including Crestron Connected. The AVR-X6400H features IP control capability for an integration with major 3rd party control devices and Control4 SDDP (Simple Device Detection Protocol) certification for quick and easy integration with Control4 home automation equipment. 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 theater system.



### Technical information

<b>Number of power amps</b>	11 (Front L/R, Center, Surround L/R, Surround Back L/R, Height 1 (Front wide) L/R, Height 2 L/R)
<b>Power output</b>	250 watts per channel (6 ohm, 1 kHz, THD 10% 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)
<b>Speaker impedance</b>	4 - 16 ohms
<b>Preamplifier section</b>	
<b>Input sensitivity/impedance</b>	200 mV / 47 kohms
<b>Frequency response</b>	10 Hz - 100 kHz — +1, -3 dB (DIRECT mode)

<b>S/N Ratio</b>	100 dB (IHF-A weighted, DIRECT mode)
<b>FM section</b>	
<b>Tuning frequency range</b>	87.5 - 107.9 MHz
<b>AM section</b>	
<b>Tuning frequency range</b>	520 kHz – 1710 kHz
<b>General</b>	
<b>Power supply</b>	AC 120 V, 60 Hz
<b>Power consumption</b>	750 W (Standby 0.1 W, CEC standby 0.5 W)
<b>Power consumption No-Sound</b>	65 W (ECO on), 110 W (ECO off)
<b>Dimensions (W x H x D)</b>	17.1 x 6.6 x 15.5 inches
<b>Weight</b>	32 lbs

<b>UPC</b>	AVRX6400HBKE3	883795004251	Black
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### Ports

<b>IN</b>	HDMI (Front 1)	x 8
	Component (video)	x 2
	Composite (video) (Front 1)	x 4
	Phono	x 1
	Analog Audio	x 6
	Digital Optical / Coaxial	x 2 / x 2
	USB (front)	x 1
<b>OUT</b>	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
<b>OTHER</b>	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 2

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All specs can be subject to change.