

# AVR-X3100W

7CH INTEGRATED NETWORK RECEIVER

# DENON®



## BLUETOOTH®, WI-FI AND ADVANCED VIDEO PROCESSING WITH 4K ULTRA HD SCALING

Being the network player it is, the AVR-X3100W puts its dual Wi-Fi antenna and built-in Bluetooth at your service. With AirPlay, Spotify Connect and Gapless HD Audio streaming featured, it invites you to enjoy everything that network has to offer. The AVR-X3100W's advanced video processor is equipped to handle future 4K Ultra HD 60 Hz full rate content as well as featuring 4:4:4 Pure Color 4K sub-sampling pass-through, both features of the latest HDMI specification. Moreover, it has 7 + 1 HDMI inputs with up-scaling to 1080p and even 4k 60Hz. The powerful 7 channel amplifier section features identical power amp design on all channels

along with high current discrete power output devices. At the same time, our new Eco amplifier mode automatically adjusts power output based on volume level, and an on-screen Eco meter lets you see the power consumption savings in real time.

### Built-in Bluetooth, Wi-Fi, AirPlay and DLNA

Stream your favorite tracks wirelessly to the AVR-X3100W directly from your Bluetooth-enabled portable devices, such as a smartphone, portable media player and tablet. The AVR-X3100W can recognize and remember up to 8 Bluetooth portable devices, so your family and friends can enjoy their favorite tracks. With the built-in Wi-Fi feature, you can connect the AVR-X3100W to your home network wirelessly and open up a whole new world of content streaming functions, including thousands of internet radio stations as well as the ability to stream subscription service Spotify via very latest Spotify Connect scheme. With AirPlay, you can wirelessly stream your favorite audio tracks directly from your iOS device, including the iPod, iPod touch and iPad. DLNA 1.5 certification lets you enjoy streaming content via your PC, Mac or Android device. Via our Denon Remote App, you can wirelessly control the AVR-X3100W from your favorite portable device. The Denon Remote App is available in iOS and Android versions, and is also available for the Kindle Fire.

### 8 HDMI Inputs, Two separate HDMI Outputs

Equipped with no less than 8 HDMI inputs, the AVR-X3100W features 7 HDMI inputs on the rear panel, along with another HDMI input on the front panel that lets you conveniently connect your favorite game console, HDTV camcorder or other HDMI device. The two HDMI outputs are capable of carrying two different content signals, one for the main room, and one for zone output.

### NEW FEATURES

- Built in WiFi with dual antenna
- Built in Bluetooth
- Latest HDMI standard with 4K Ultra HD Scaling up to 60Hz and 4:4:4 colour resolution
- 8 HDMI inputs (incl. 1 front)
- Two HDMI outputs (main + zone)
- ISF certification
- DSD streaming
- AIFF streaming
- Spotify Connect\*
- Upgraded sound design over 2013 model
- ECO mode with off/on/auto setting

\* Not available in all countries

### Powerful 7 Channel Discrete Amplifier with Eco Mode

With each channel rated at a maximum power of 150 watts, the AVR-X3100W features a power amplifier design that incorporates multiple high current discrete output devices, with identical circuit topology on all 7 channels. Our new Eco Mode provides the ability to reduce overall power consumption and features an on-screen Eco Meter that lets you see the power consumption reduction effect. The Auto Eco mode automatically switches between normal and Eco modes, depending on the volume level chosen, and the power amplifier block is rated to drive low impedance speaker loads, down to 4 ohms, for compatibility and stability with virtually any loudspeaker model.

### Audyssey MultEQ XT Built-in

The AVR-X3100W features the Audyssey Silver family of DSP technologies, which includes MultEQ room acoustic measurement and correction. Via the supplied measuring microphone, the MultEQ system first measures actual in-room response from all the speakers, including the subwoofer, and then quickly generates multiple precision digital filters that ensure the smoothest possible response. And the step-up MultEQ XT technology provides for more measurement points (up to 8 positions) and generates higher accuracy digital filters.

The AVR-X3100W is also Audyssey Pro ready for the most advanced professional room correction.

### STATE-OF-THE-ART DENON SOLUTIONS FOR MAXIMISING CONTENT QUALITY

- Fully discrete, identical quality and power for all 7 channels (180 watts per channel)
- Dolby TrueHD, dts-HD Master Audio and Dolby Pro Logic IIz
- High-performance 192kHz/24-bit D/A converters for all channels
- Audyssey DSX and DTS Neo:X for the ultimate surround experience
- Digitally transmitted Play function for iPod and iPhone (via USB) for best sound quality
- Support 4K video to enjoy 4 times higher resolution videos than current HD on larger displays and screens.
- Optimised Bass redirection, for powerful bass performance in configurations without subwoofer

### Multi-Room Listening

Thanks to the AVR-X3100W's flexible Amp Assign function, you can choose to power a 5.1 channel home theater surround system, and dedicate the 2 additional amp channels to deliver stereo sound to a pair of speakers in another room. Watch a surround sound movie in the main room with the ability to have a separate stereo source playing in a second room.

### Dual Subwoofer Outputs

Depending on the location of the subwoofer in a listening room relative to the listening position, the deep bass quality can be marred by in-room resonances that negatively affect bass quality, with peaks and dips that together produce boomy bass and muddy bass detail. Equipped with dual subwoofer outputs, the AVR-X3100W lets you use two subwoofers, placed in different locations in the listening room. By having two subs in different locations in the room, the bass quality can very often be significantly better due to response averaging, with smoother, deeper bass free of annoying peaks and dips.

### EASE-OF-USE AND OTHER FEATURES

- Setup Assistant, providing easy-to-follow setup instructions with Graphical User Interface
- Horizontal colour-coded layout of speaker terminals for easy connection
- Label sheet for marking Speaker Wires & HDMI Cables
- Audyssey Dynamic Volume®, for real-time volume adjustment
- Audyssey DynamicEQ, improves surround effects during low volume levels
- Audyssey MultEQ XT, automatically sets the speakers to suit the room's listening environment and the speakers' characteristics; Audyssey Pro ready
- Comes with simple, easy-to-use remote control handset
- Denon Remote App for iOS and Android
- 4 Quick Select buttons and RC buttons - can be used to store favourite sources, internet radio stations and preferred settings
- Sleep Timer, set up to 120 minutes in 10-minute increments
- Standby HDMI Pass through
- RS232C for custom installation purpose
- 2nd Zone Multiroom-Multisource

\* Zone2 output from 2-channel digital PCM sources (coaxial, optical, HDMI, network)



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\* All specs can be subject to change  
\* Available only in Black

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### Technical information

<b>Number of power amps</b>	7 (Front L/R, Center, Surround L/R, Surround Back L/R)	<b>Preamplifier section</b>	
<b>Power output</b>	180 watts per channel (6 ohms, 1 kHz, THD 1%, 1ch driven) 135 watts per channel (6 ohms, 1 kHz, THD 0.7%, 2ch driven) 105 watts per channel (8 ohms, 20Hz - 20 kHz, THD 0.08%, 2ch driven)	<b>Input sensitivity/impedance</b>	200 mV / 47 kohms
<b>Output connectors</b>	4 - 16 ohms	<b>Frequency response</b>	10 Hz - 100 kHz - +1, -3 dB (DIRECT mode)
		<b>S/N Ratio</b>	100 dB (HF-A weighted, DIRECT mode)
		<b>FM section</b>	
		<b>Tuning frequency range</b>	87.5 - 108 MHz
		<b>AM section</b>	
		<b>Tuning frequency range</b>	522 kHz - 1611 kHz
		<b>General</b>	
		<b>Power supply</b>	AC 230 V, 50 Hz
		<b>Power consumption</b>	600 W (Standby 0.1 W, CEC standby 0.5 W)
		<b>Power consumption No-Sound</b>	45 W (ECO on), 80 W (ECO off)
		<b>Dimensions (W x H x D)</b>	434 x 167 x 388 mm
		<b>Weight</b>	10.7 kg

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### Ports

<b>IN</b>	HDMI (Front 1)	x 8
	Component	x 2
	Composite (video)	x 3
	Analogue Audio	x 5
	Digital Optical	x 2
<b>OUT</b>	Digital Coaxial	x 2
	HDMI Monitor	x 2
	Zone2 Preout	2.0 ch
	Audio Preout (SW)	7.2 ch
	Phones	x 1
<b>OTHER</b>	Ethernet	x 1
	USB Port	x 1
	RS-232C	x 1
	Microphone Port	x 1
	FM Tuner Antenna	x 1
	AM Tuner Antenna	x 1

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