

# AVR-4520

Integrated Network AV Receiver

# DENON

## 9.2 Channel 4K Video & 3D Video Pass Through Networking Home Theatre Receiver with Apple AirPlay® and Multi-Zone Video

The AVR-4520 A/V receiver features all-channel discrete circuitry for the power amplifiers of 9 channels. It is also endowed with symmetrical monolithic construction where the power transformer is placed at the centre and the power amp blocks are at each side to achieve separation for all channels and an ideal weight balance that together deliver uncompromised sound quality. In addition, the DDSC-HD32 (Dynamic Discrete Surround Circuit), that uses the latest DSP for processing surround sound for up to 11.2 channels at 32-bit precision and 32-bit/192 kHz D/A converters for all channels, is sure to envelope you in an exciting sound space of a sort you have never before experienced. When you add an external power amp, the expressive power of this remarkable sound space is expanded to all 11.2 channels, the AVR-4520's maximum potential. The AVR-4520 includes Audyssey MultEQ XT32 and Audyssey Sub EQ HT™ that measure the performance of your speakers and the acoustics of your listening room to produce the best sound possible, as well as support for 4K video (3840 x 2160), AirPlay, Zone-compliant HDMI output and other advanced features to give you the impeccable quality of sound and ease of operation you expect from a flagship A/V receiver.



### State-of-the-art Denon Solutions for Maximizing Content Quality

- 11.2 channel enhanced surround processing with Audyssey DSX and DTS Neo:X
- Fully discrete, identical quality and power for all 9 channels
- 150 W per channel power amplifier with symmetrical monolithic construction
- DDSC-HD32 (Dynamic Discrete Surround Circuit) 32-bit DSP signal processing for all channels
- AL32 Processing Multi Channel and high grade 32-bit/192 kHz DACs for highest resolution audio playback
- Denon Link HD for the best sounding jitter-free connection to our new DBT-3313UD Blu-ray disc player
- Hybrid PLL Jitter reducer for the most accurate digital audio playback
- Supports 4K video signals (improved i/p scaling, pass through and GUI overlay)
- Audyssey MultEQ XT32 and Audyssey Sub EQ HT Dual subwoofer EQ processing for optimum room acoustic calibration
- Audyssey LFC solves the problem of low frequency sounds disturbing people in adjacent rooms
- Supports 192 kHz high resolution network audio (WAV 192 kHz/24-bit, FLAC 192 kHz/24-bit)

### Connectivity & Future-ready Expandability

- A full range of network capabilities and connectivity options for the ultimate entertainment experience including:
  - Apple AirPlay, streaming music
  - DLNA 1.5 certified
  - Compatible with Windows 7

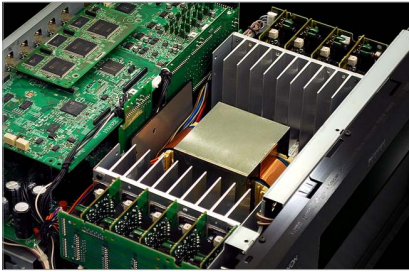
- vTuner Internet radio
- Last.fm and Spotify (\*1)
- FLAC HD High resolution audio file playback (192 kHz/24-bit)
- Photo streaming
- flickr photo streaming
- Convenient HDMI port on the front panel for connecting a camcorder or other device
- 7 HDMI inputs including one on the front panel / 2 outputs (simultaneous) + 1 output for Multi Zone
- Front HDMI port supports MHL™ (Mobile High Definition Link) for viewing smartphone content on your HDTV
- Includes an Ethernet hub (4 ports) for easy connection to network devices on your home network
- 4 source, 4 zone output with Zone 4 HDMI output

### Ease-of-Use

- Setup Assistant provides easy-to-follow setup instructions with the on-screen Graphical User Interface
- Supports our new "Denon Remote App" to simplify operation by Android & iOS tablets or smartphones
- New LCD learning and pre-coded remote control with new key layout for ease of use

\*1) These features are not available in all countries.





Inside view (Top view)



Inside of trapdoor

### State-of-the-art Denon Solutions for Maximizing Content Quality

- Denon custom-made high current power transistors (D.H.C.T) for high current capability
- Denon custom-made massive capacitors and Selected Schottky Barrier Diodes provide high burst power
- Supports Dolby TrueHD, DTS-HD, and Dolby Pro Logic IIz/Pro Logic IIx/Surround EX processing
- New smoothest diagonal edge video interpolation
- Gapless audio playback
- Digitally transmitted play function for iPod® and iPhone® (via USB) for best sound quality
- Denon's proprietary Compressed Audio Restorer function restores sound quality from compressed music sources

### Connectivity & Future-ready Expandability

- Advanced Pre-Amp Mode allows the connection of external power amplifiers
- Free Amp Assign function provides numerous speaker drive configurations

### Ease-of-Use

- Front display with large, easy-to-read characters
- Sleep Timer
- Standby HDMI pass through
- Auto Standby
- IP Control Capability with C4 certification

### Others

- InstaPrevue Technology, live picture-in-picture preview of HDMI input connected to an AV receiver
- Very low power consumption in standby mode: 0.1 W
- Trigger output (150 mA) x 2
- Audyssey Installer Ready

### Main Specifications

#### Power amplifier section

Rated output	*THD figures are power amp stage values.
Front L/R	150 W + 150 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 190 W + 190 W (6 ohms, 1 kHz, THD 0.7%)
Centre	150 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 190 W (6 ohms, 1 kHz, THD 0.7%)
Surround	150 W + 150 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 190 W + 190 W (6 ohms, 1 kHz, THD 0.7%)
Surround back / Front height / Front wide	150 W + 150 W (8 ohms, 20 Hz - 20 kHz, THD 0.05 %) 190 W + 190 W (6 ohms, 1 kHz, THD 0.7%)
Speaker compatibility	4 - 16 ohms

#### Pre-amplifier section

Input sensitivity	200 mV/47 kohms
Frequency response	10 Hz - 100 kHz — +1, -3 dB (DIRECT mode)
S/N	102 dB (IHF-A weighted, DIRECT mode)
Distortion	0.005% (20 Hz - 20 kHz) (DIRECT mode)

#### FM section

Tuning frequency range	87.5 - 108.0 MHz
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#### General

Power supply	AC 230 V, 50/60 Hz
Power consumption	780 W
Power consumption in standby mode	0.1 W
Power consumption in CEC standby mode	0.5 W
Power consumption in network standby mode	5.1 W
Dimensions (W x H x D)	434 x 194.5 x 422.7 mm
Weight	16.5 kg

### Ports

In	Out
HDMI (Front: 1)	HDMI Monitor 3 (Zone4:1)
Component (Video) 3	Component (Video) Monitor 2 (Zone2:1)
Composite (Video) (Front: 1) 4	Composite (Video) Monitor 3 (Zone2:1)
Analog Audio (Front: 1) 7 (Phono: 1)	Audio Lineout (Media player) 1
Digital Audio (Optical) 2	Audio Preout (Zone2, 3) 2
Digital Audio (Coaxial) 2	Audio Preout (SW) 2
External Analog Audio (7.1 ch) 1 set	Audio Preout (11 ch) 1 set
	Phones 1
<b>Other</b>	
Denon Link HD 1	
iPod / USB (Front/Rear) 2 (selectable)	
Network (Ethernet) 4	
Setup Mic jack 1	
FM Tuner Antenna: 1	
Remote Control (In/Out) 1/1	
Trigger out (DC12 V 150 mA MAX) 2	
RC-232C 1	

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\*Premium Silver colour is also available.

