



RX-A860 Network AV Receiver

New Product Bulletin

This 7.2-channel AVENTAGE network AV receiver features Dolby Atmos® and DTS:X™ for surround sound realism, while offering high-resolution audio playback and access to streaming music services via the built-in Wi-Fi. With the latest in HDMI® technologies, experience movies in stunning 4K Ultra HD and high dynamic range (HDR). Connect conveniently to a smartphone or tablet with *Bluetooth*® for quick wireless access to your music or use the phono input to listen to your favorites on vinyl. This device also supports MusicCast to deliver wireless multiroom audio playback, all controlled by a simple app.

AVENTAGE



Output Power

100 W per channel (8 ohms, 20 Hz - 20 kHz, 0.06% THD, 2-ch driven)
110 W per channel (8 ohms, 1 kHz, 0.9% THD, 2-ch driven)
160 W per channel (8 ohms, 1 kHz, 10% THD, 1-ch driven)

Standby Power Consumption

HDMI® control off, Standby Through mode off	0.1 W
HDMI Standby Through mode on	1.1 W
Network Standby on	2.1 W (wired)

Dimensions (W x H x D)

17-1/8" x 6-3/4" x 15" (with antenna up: 17-1/8" x 9-1/4" x 15")

Weight

23.4 lbs.

Inputs

HDMI*1 / HDCP 2.2 compatible	8 / 3
Network (Ethernet / Wi-Fi)	1 / 1
USB*1	1
Radio antenna (FM / AM)	1 / 1
Optical digital	2
Coaxial digital	2
Analog audio*1 (with phono)	6
Component video (audio input assignable)	2
Composite video*1	5

Outputs

HDMI (HDCP 2.2 compatible)	2 (simultaneous)
Component video monitor	1
Composite monitor	1
Pre out	7.2-ch
Speaker*3/*4	7-ch (9 terminals)
Subwoofer	2 x mono
Headphone jack*1	1

Others

Zone 2 audio out	1
Remote in / out	1 / 1
+12 V / 0.1 A trigger out	1
RS-232C	1
Terminal for detachable power cable	1

*1 Including front panel terminals.

*2 Front HDMI input is not assignable.

*3 Assignable for surround back to bi-amp or Zone 2.

*4 Extra speaker terminals are assignable to Zone 2 or Presence.

Audio Features

- 7-channel surround sound
 - 100 W per channel (8 ohms, 20 Hz – 20 kHz, 0.06% THD, 2-ch driven)
 - 110 W per channel (8 ohms, 1 kHz, 0.9% THD, 2-ch driven)
 - 160 W per channel (8 ohms, 1kHz, 10% THD, 1-ch driven)
- Dolby Atmos® and DTS:X™ support
- 5th foot with Anti-Resonance Technology Wedge to reduce vibration
- Aluminum front panel offers visual and aural benefits
- Selected high quality parts to achieve optimum audio performance
- Pure Direct mode for pure Hi-Fi sound
- Latest Burr-Brown DirectPath™ DACs
- High quality volume IC and independent pure power supply
- Low jitter PLL circuitry to optimize sound imaging
- Assignable amplifiers for front speaker bi-amp connection
- Intelligent assignable amplifiers:
 - Surround back <-> Front Presence or Zone 2
- DSD 2.8 MHz / 5.6 MHz audio playback
- FLAC or WAV 192 kHz / 24-bit audio playback
- Apple® Lossless audio playback
- Compressed Music Enhancer for *Bluetooth*®
- Phono input for vinyl playback

Video Features

- HDMI® (8 in / 2 out) 4K Ultra HD full support with 4K/60p (4:4:4), HDCP 2.2 (3 in / 2 out), HDR video and BT.2020
- 4K Ultra HD video upscaling from analog and HDMI® input
- Supports Deep Color (30 / 36 bit), x.v.Color, 24 Hz refresh rate and auto lip sync compensation
- High quality video processing
- Precise deinterlacing
 - Motion adaptive and edge adaptive deinterlacing
 - Multicadence (incl. 3-2 pull-down) detection

Advanced Features

- MusicCast for audio enjoyment in every room
- *Bluetooth*® for wireless music streaming (SBC / AAC)
- Network functions
 - Wi-Fi® built in (802.11b/g/n)
 - Easy Wi-Fi setup: iOS Wi-Fi settings sharing, WPS, etc.
 - AirPlay® allows music streaming from Mac®, PC, iPod®, iPhone®, iPad®
 - AV Controller App for operating various functions from iOS or Android™ smartphones and tablets
 - Access to: Internet radio (vTuner: MP3 and WMA streams)
 - Streaming services: Spotify, Pandora®, Rhapsody® and SiriusXM Internet Radio
 - Music files on PC / NAS: WAV, MP3, WMA, AAC, FLAC, Apple® Lossless, AIFF, DSD
 - DLNA® 1.5 certified
- Gapless playback compatibility
- Front panel connection for USB flash drives
- Advanced GUI on-screen display with HD graphics
- YPAO™ - R.S.C. with multipoint measurement for automatic room calibration
- HDMI® front panel input
- Ability to change HDMI® inputs while in Standby Through mode
- Background video feature for radio, USB, *Bluetooth*®, audio, network and auxiliary inputs
- SCENE buttons with direct power on (BD / DVD, TV, Net and Radio)
- HDMI® CEC powers up compatible TVs and Blu-ray Disc™ players

Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programs)
- Compressed Music Enhancer with CINEMA DSP
- Dialogue Lift ensures that dialogue comes from the center of the screen
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence speakers
- Virtual CINEMA FRONT provides surround sound without rear speakers
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- YPAO™ Volume to ensure natural sounds even at low volume
- Extra Bass enriches bass sound even with small speakers
- SILENT CINEMA™ to enjoy surround sound with headphones
- Two subwoofer outputs (simultaneous outputs)

Versatile Zone Control

- Pre out terminal for Zone 2 with volume control
- Versatile Zone 2 control: power, volume, input
- Party Mode
- Remote input / output
- Programmable +12 V trigger output

Eco-Friendly Design

- ECO mode operation for about 20%* less power consumption
 - *Compared to power consumption when ECO mode is off (Yamaha measurement)
- Low standby power consumption of 0.1 W
- Auto Power Standby function with variable time setting
- Improved network and HDMI® standby power consumption

