

## RX-A660 AV Receiver

**AVENTAGE**



**7.2 ch**



\*Streaming service availability depends on regions.



### Standby Power Consumption

HDMI Control off, Standby Through off	0.1 W
HDMI Standby Through on	1.6 W (typical)
Network Standby on	1.9 W (wired)

### Dimensions (W x H x D)

435 x 161 x 327 mm (with antenna up: 435 x 221 x 327 mm)  
17-1/8" x 6-3/8" x 12-7/8" (with antenna up: 17-1/8" x 8-3/4" x 12-7/8")

### Weight

8.1 kg; 17.9 lbs.

### Inputs

HDMI (Audio Input Assignable, HDMI6:HDCP2.2 compatible)	4
Network (Ethernet / Wi-Fi)	1 / 1
USB*1	1
Radio Antenna (FM/AM)	1 / 1
Optical Digital	1
Coaxial Digital	2
Analogue Audio*1 (incl. Mini Jack Input)	4
Composite Video (Audio Input Assignable)	4

### Outputs

HDMI (HDCP2.2 compatible)	1
MONITOR OUT (Composite)	1
Speaker (without subwoofer)*2	7ch
Subwoofer	2
Headphone Jack*1	1

\*1 Including front panel terminals.

\*2 Assignable for surround back L/R to Presence (L/R) or bi-amp(front L/R) or ZONE B

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AVENTAGE



### Main Features

- Dolby Atmos® and DTS:X™ support
- AVENTAGE AV Receivers: Designed to Deliver the Highest Levels of Audio Performance
- Aluminium Front Panel Offers Visual and Aural Benefits
- Anti Resonance Technology (A.R.T.) Wedge helps to ensure that vibrations do not affect sound quality
- 7-channel powerful surround sound
  - 80 W per channel (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)
  - 140 W per channel (8 ohms, 1 kHz, 10 % THD, 1 ch driven)
- MusicCast for audio enjoyment in every room
- Wi-Fi Built-in and Wireless Direct Compatible for Easy Network
- *Bluetooth*® for wireless music streaming and Compressed Music Enhancer for *Bluetooth*®
- AirPlay®, Spotify®, Pandora®, JUKE\* music streaming service and AV Controller app \*Music service availability varies by region.
- DSD 2.8MHz / 5.6MHz, FLAC / WAV / AIFF 192kHz / 24bit, Apple Lossless 96kHz / 24-bit playback
- Gapless playback compatibility allows play without interruption
- HDMI® (4 in / 1 out) 4K Ultra HD Full Support with 4K60p (4:4:4), HDCP2.2 (4 in / 1 out), HDR Video and BT.2020 pass-through
- Front panel USB Digital Connection for USB thumbdrives
- YPAO™ sound optimisation for automatic speaker setup
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- Extra Bass enriches powerful bass sound even with small speakers
- Assignable amplifiers for bi-amp connection and Speaker Zone B Function
- Advanced GUI on-screen display with HD capability
- ECO mode operation for about 20% less power consumption

## RX-A660 AV Receiver

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### Audio Features

- 7-channel powerful surround sound  
80 W per channel (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)  
140 W per channel (8 ohms, 1 kHz, 10 % THD, 1 ch driven)
- Dolby Atmos® and DTS:X™ support
- Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce Vibration
- Aluminium Front Panel Offers Visual and Aural Benefits
- Selected high quality parts to achieve optimum audio performance
- Full discrete amp configuration
- Burr-Brown 192 kHz/24-bit DACs for all channels
- Direct Mode for high quality sound reproduction
- Low jitter PLL circuitry helps optimise sound imaging
- Assignable amplifiers for front speaker bi-amp connection
- DSD 2.8MHz/5.6MHz audio playback
- FLAC or WAV 192kHz/24-bit audio playback
- Apple Lossless audio playback
- Compressed Music Enhancer for *Bluetooth*®

### Video Features

- HDMI® (4 in / 1 out) 4K Ultra HD Full Support with 4K60p (4:4:4), HDCP2.2 (4 in / 1 out), HDR Video and BT.2020 pass-through
- 4K video upscaling from analogue and HDMI® input
- Supports Deep Colour (30/36 bit), x.v.Colour, 24 Hz Refresh Rate and Auto Lip-Sync compensation
- High quality video processing with precise deinterlacing
  - Motion adaptive and edge adaptive deinterlacing
  - Multi-cadence (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 i.e. iOS Wi-Fi settings sharing, WPS etc.
  - Wireless Direct connects a mobile device directly without home network
  - 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, WMA Streaming Services (Pandora®, Spotify®, JUKE®) \*Music service availability varies by region.
- Music files on PC / NAS: WAV, MP3, WMA, AAC, FLAC, Apple Lossless, AIFF, DSD
- DLNA® 1.5 certified

- High-Resolution audio playback support such as DSD
- Gapless playback compatibility allows play without interruption
- Front panel USB Digital Connection for USB thumbdrives
- Advanced GUI on-screen display with HD capability
- YPAO™ sound optimisation for automatic speaker setup
- Ability to change HDMI® input while in Standby Through mode
- Audio Delay for adjusting Lip-Sync (0-500ms)
- Internet Radio Bookmark
- Background Video feature (for Radio / USB / *Bluetooth*® / NET / AUX input)
- Zone B speaker output provides 2-channel sound in a second room
- SCENE buttons with direct power on (BD/DVD, TV, Net and Radio)
  - Quick and simple to use
  - HDMI® CEC powers up compatible TVs and Blu-ray Disc™ players
- Remote control features large buttons for enhanced ease of use

### Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programmes)
- Compressed Music Enhancer with CINEMA DSP
- Virtual CINEMA FRONT provides virtual surround sound with 5 speakers in front
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- Extra Bass enriches the powerful bass sound even with small speakers
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP level
- SILENT CINEMA to enjoy surround sound with headphone
- Two subwoofer outputs (simultaneous outputs)

### Eco-Friendly Design

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