Specifications

RX-A670 AV Receiver

AVENTAGE

7.2 ch

The RX-A670 offered with black and titanium finish available in some areas.

MusicCast · DOLBY ATMOS · dts X · WiFi CERTIFIED · dlna CERTIFIED · Bluetooth · AirPlay · Made for iPod iPhone iPad

Spotify · Spotify · pandora · TIDAL · DEEZER · qobuz · JUKE! · DAB Digital Audio Broadcasting · DAB+ Digital Audio Broadcasting

Digital Radio · HDMI HIGH DEFINITION MULTIMEDIA INTERFACE · COMPATIBLE DOLBY VISION · HDCP2.2 · 4K Ultra HD Pass-Through / Upscaling · CINEMA DSP 3D DIGITAL · VIRTUAL Presence Speaker · SILENT CINEMA · compressed music ENHANCER

SCENE · YPAO · ECO mode · ECO

*Streaming service availability depends on regions. DAB tuner only for European and Australia models.
*TIDAL / Deezer will be available via future firmware update.

Output Power

For North America	80W per Channel (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)
	115 W per Channel (8 ohms, 1 kHz, 0.9 % THD, 1 ch driven)
	145 W per Channel (6 ohms, 1 kHz, 10 % THD, 1 ch driven)

| For Euro | 115 W per Channel (6 ohms, 1 kHz, 0.9 % THD, 1 ch driven) |
| | 80 W per Channel (6 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven) |

| For Others | 80 W per Channel (6 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven) |
| | 145 W per Channel (6 ohms, 1 kHz, 10 % THD, 1 ch driven) |

Standby Power Consumption

HDMI Control off, Standby Through off	0.1 W
HDMI Control, Standby Through On, Network Standby Off	1.1 W
Network Standby On	1.8 W (wireless)

Dimensions (W x H x D)

435 x 161 x 330 mm (with antenna up: 435 x 225.5 x 330 mm)
17-1/8" x 6-3/8" x 13" (with antenna up: 17-1/8" x 8-7/8" x 13")

Weight

8.3 kg; 18.3 lbs.

Inputs

HDMI (Audio Input Assignable, HDCP2.2 compatible)	4
Network (Ethernet / Wi-Fi)	1 / 1
USB*1	1
Radio Antenna (FM/AM)	1 / 1
(European and Australia models: FM/DAB)	1 / 1
Optical Digital	1
Coaxial Digital	2
Analogue Audio*1 (incl. Mini Jack Input)	4
Composite Video (Audio Input Assignable)	3

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

RX-A670 AV Receiver

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
- Advanced design feet enhance strength and vibration resistance `NEW`
- MusicCast for audio enjoyment in every room
- DAB/DAB+ tuner for enjoying high quality digital radio broadcasts (European and Australia models only)
- 7-channel powerful surround sound
  80 W per channel (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)
  80 W per channel (6 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)
  115 W per channel (8 ohms, 1 kHz, 0.9 % THD, 1 ch driven)
  115 W per channel (6 ohms, 1 kHz, 0.9 % THD, 1 ch driven)
  145 W per channel (6 ohms, 1 kHz, 10 % THD, 1 ch driven)
- 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*, Qobuz*, TIDAL*, Deezer* music streaming service and AV Controller app `NEW`
  *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
- Latest HDMI® (4 in / 1 out) with 4K Ultra HD Full Support (4K / 60p [4:4:4]), HDR Video including Dolby Vision and Hybrid Log-Gamma, and BT.2020 pass-through `NEW`
- HDMI® with eARC (Audio Return Channel) `NEW`
- YPAO™ sound optimisation for automatic speaker setup
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- Assignable amplifiers for bi-amp connection and Speaker Zone B Function
- Multi-language colour OSD capable of displaying cover art
- ECO mode operation for about 20% less power consumption

Audio Features

- 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
- Advanced design feet enhance strength and vibration resistance NEW
- Selected high quality parts to achieve optimum audio performance
- Full discrete amp configuration
- 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

- Latest HDMI® (4 in / 1 out) with 4K Ultra HD Full Support (4K / 60p [4:4:4]), HDR Video including Dolby Vision and Hybrid Log-Gamma, and BT.2020 pass-through NEW
- 4K video upscaling from HDMI® input NEW

Advanced Features

- MusicCast for audio enjoyment in every room
- *Bluetooth*® for wireless music streaming (SBC / AAC)
- *Bluetooth*® Output for Convenient Music Streaming
- DAB/DAB+ tuner for enjoying high quality digital radio broadcasts (European and Australia models only) NEW
- DAB/DAB+ and FM tuners both have 40 station preset memories (European and Australia models only) NEW
- 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 (airable radio): MP3, WMA
    Streaming Services (Pandora®*, Spotify®*, JUKE®*, Qobuz*, TIDAL*, Deezer*) NEW
    *Music service availability varies by region.
    Music files on PC / NAS: WAV, MP3, WMA, AAC, FLAC, Apple Lossless, AIFF, DSD
  - DLNA® 1.5 certified
  - Triggered Auto Playback with MusicCast devices NEW
- High-Resolution audio playback support such as DSD
- Gapless playback compatibility allows play without interruption
- Front panel USB Digital Connection for USB thumbdrives
- Multi-language colour OSD capable of displaying cover art (English, German, French, Spanish, Russian, Italian, Japanese and Chinese)
- HDMI® CEC with versatile control from AV Receiver remote control
- HDMI® with eARC (Audio Return Channel) NEW
- 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
- Video out feature (for TUNER / USB / NET / *Bluetooth*® / AUDIO / 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

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