

Specifications

RX-A870 AV Receiver

AVENTAGE

7.2 ch



The RX-A870 offered with black, titanium finish available in some areas.

Output Power

For North America	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)

For Euro	160 W per Channel (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven)
	100 W per Channel (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)

For Others	100 W per Channel (8 ohms, 20 Hz-20 kHz, 0.06 % 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 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 171 x 380 mm (with antenna up: 435 x 234 x 380 mm)
 17-1/8" x 6-3/4" x 15" (with antenna up: 17-1/8" x 9-1/4" x 15")
 European and Chinese models:
 435 x 171 x 382 mm (with antenna up: 435 x 234 x 382 mm)
 17-1/8" x 6-3/4" x 15" (with antenna up: 17-1/8" x 9-1/4" x 15")

Weight

10.5 kg; 23.1 lbs.

Inputs

HDMI*1 (Audio Input Assignable*2, HDMI1,2,3:HDCP2.2 compatible)	8
Network (Ethernet / Wi-Fi)	1 / 1
USB*1	1
Radio Antenna (FM/AM)	1 / 1
(European and Australian models: FM/DAB)	1 / 1
Optical Digital	2
Coaxial Digital	2
Analogue Audio*1 (with Phono)	5
Component Video (Audio Input Assignable)	1
Composite Video*1	1

Outputs

HDMI (HDCP2.2 compatible)	2 (simultaneous)
Pre Out	7.2 ch
Speaker*3/4	7 ch / 9 ter
Subwoofer	2 x mono
Headphone Jack*1	1

Others

Zone 2 Audio Out	1
Remote In/Out	1 / 1
+12V / Total 0.1A Trigger Out	1
RS-232C	1
Terminal for Detachable Power Cable (including front panel terminals)	1

*2 Front HDMI input is not assignable.

*3 Assignable for surround back L/R to bi-amp (front L/R) or Zone 2.

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

*Streaming service availability depends on regions. DAB tuner only for European and Australia models.

*TIDAL / Deezer will be available via future firmware update.

Features

RX-A870 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
 - 100 W per channel (8 ohms, 20Hz-20kHz, 0.06 % THD, 2 ch driven)
 - 160 W per channel (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven)
 - 160 W per channel (8 ohms, 1kHz, 10% THD, 1ch driven)
- Wi-Fi Built-in and Wireless Direct Compatible for Easy Network
- AirPlay®, Napster®, Spotify®, 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

- **Latest HDMI® (8 in / 2 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**
- HDMI® input on front panel, Front panel USB Digital Connection for USB thumbdrives
- YPAO™ R.S.C. (Reflected Sound Control) sound optimisation with multi-point measurement
- YPAO™ Volume to ensure natural sounds even at low volume
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- Advanced GUI on-screen display with HD capability
- Zone Extra Bass and Zone Volume Equalizer (Zone 2) **NEW**
- Versatile Zone control such as Zone mono, Zone volume, Zone tone controls, etc. and Party mode **NEW**
- Detachable AC power cord for easier installation
- Phono input for vinyl playback
- ECO mode operation for about 20% less power consumption

Features

RX-A870 AV Receiver **AVENTAGE**

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
- Pure Direct for pure HiFi sound quality enjoyment
- High quality Volume IC and Independent Pure Power Supply
- Low jitter PLL circuitry helps optimise sound imaging
- Assignable amplifiers for front speaker bi-amp connection
- Intelligent assignable amplifiers for Surround Back <-> Front Presence or Zone 2
- DSD 2.8MHz / 5.6MHz audio playback
- FLAC or WAV 192kHz/24-bit audio playback
- Apple Lossless audio playback
- Compressed Music Enhancer for *Bluetooth*®
- Phono input for vinyl playback

Video Features

- **Latest HDMI® (8 in / 2 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 analogue and HDMI® input
- 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)
- *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.
 - 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 (Napster®, Spotify®, Pandora®, 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**
- Gapless playback compatibility allows play without interruption
- Front panel USB Digital Connection for USB thumbdrives
- Advanced GUI on-screen display with HD capability
- HDMI® CEC with versatile control from AV Receiver remote control

- HDMI® with eARC (Audio Return Channel) **NEW**
- YPAO™ R.S.C. (Reflected Sound Control) sound optimisation with multi-point measurement
- HDMI® front panel input for devices such as camcorders and digital cameras
- Ability to change HDMI® input while in Standby Through mode
- Video out feature (for TUNER / USB / NET / *Bluetooth*® / AUDIO)
- SCENE buttons with direct power on
 - Selectable BD/DVD, TV, FM/AM radio and Net Radio stations, tune-in NAS **NEW**
 - 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
- Dialogue Lift ensures that dialogue comes from the centre 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 virtual surround sound with 5 speakers in front
- 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
- Zone Extra Bass for more powerful bass sound in another room (Zone 2) **NEW**
- Zone Volume Equalizer for optimum sound balance in another room (Zone 2) **NEW**
- Extra Bass enriches the powerful bass sound even with small speakers
- SILENT CINEMA to enjoy surround sound with headphone
- Two subwoofer outputs (simultaneous outputs)

Versatile Zone Control

- Pre-out terminal for Zone 2 with volume control
- Versatile Zone 2 Control i.e. Power / Volume / Control by App
- Zone mono, Zone volume, Zone tone controls, Zone balance and Zone audio delay **NEW**
- Party mode
- Remote input / output
- Programmable +12V 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 0.1W
 - Auto power standby function with variable time setting
 - Improved Network and HDMI® Standby Power Consumption