

9.2-channel AVENTAGE AV Receiver features Dolby Atmos® and audiophile-grade performance with the two latest ESS DACs and High-Resolution audio playback. It also supports 4K Ultra HD, WiFi, Bluetooth® and multizone features up to 4 zones.



The RX-A2050 offered with black and titanium finish available in some areas.



Oil-Damped Hidden Control Panel Includes HDMI Input Terminal, USB Port, Video Aux Input Terminals, Zone 2/3/4 Switch, YPAO Microphone Jack, And More.



Audio Features

- 9-channel powerful surround sound
140W per Channel (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2 ch driven)
220W per Channel (4 ohms, 1 kHz, 0.9% THD, 1 ch driven [European Model])
220W per Channel (8 ohms, 1 kHz, 10% THD, 1 ch driven)
- Dolby Atmos® support
- Symmetrical power amplifier layout
- Heat sink with anti-vibration and anti-thermal properties
- Rigid chassis with additional bottom frames
- Two ESS SABRE9006A 8-channel DACs featuring true professional digital audio quality
- High speed thermal feedback power amplifier
- New high quality Volume IC and Independent Pure Power Supply
- Ultra Low jitter PLL circuitry helps optimise sound imaging
- Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce Vibration
- High Resolution Music Enhancer further heightens musicality from the original content
- H-shaped Cross Frame for additional chassis rigidity
- 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

- 4K60p 4:4:4 Pass through
- 4K video upscaling from analogue and HDMI input
- HDMI: 8 (1 on front) and 2 output with HDCP2.2 (7 in/2 out), 3D and Audio Return Channel
- Supports Deep Colour (30/36 bit), x.v.Colour, 24 Hz Refresh Rate and Auto Lip-Sync compensation
- Yamaha original video processing that optimises processing for each type of video content
 - Motion adaptive and edge adaptive deinterlacing
 - Multi-cadence (incl. 3-2 pull-down) detection
 - Resolution enhancement (detail and edge enhancement)
 - Video signal control (Contrast, Brightness, Saturation)

Advanced Features

- 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.
 - 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 (Napster®, Spotify®, Pandora®, 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

- Gapless playback compatibility allows play without interruption
- Front panel USB Digital Connection for iPod and iPhone
- Advanced multi-language GUI on-screen display with HD Font
- YPAO R.S.C. (Reflected Sound Control) sound optimisation with multi-point measurement
- Background Video feature (for Radio/USB/Bluetooth/AUDIO/NET/AUX input)
- SCENE PLUS - simple and versatile functionality
 - HDMI CEC powers up compatible TVs and Blu-ray Disc™ players
 - 12 SCENE choices (4 on front panel and others on GUI)
 - Zone SCENE - 4 SCENE buttons for Zone 2/3/4
 - Versatile parameters can be stored into each SCENE

Surround Realism

- Rear presence channel support for maximum 3D sound effect
- HD Audio decoding with CINEMA DSP 3D (23 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
- Extra Bass enriches the powerful bass sound even with small speakers
- SILENT CINEMA to enjoy surround sound with headphone

Versatile Zone Control

- Advanced HDMI Zone Switching allows various input sources to be output via HDMI and enjoyed in different rooms
- Zone 2/3/4 on/off and control on front panel
- Zone GUI (song/station selection, album cover art display)
- System Backup / Recovery function
- Zone mono, Zone volume, Zone tone controls, Zone balance and Zone audio delay
- Party mode

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

AV Receiver RX-A2050

NEW PRODUCT BULLETIN

9ch Amp for Creating a Sensational 7.2.2ch or 5.2.4ch Dolby Atmos® System

With Dolby Atmos, sound comes alive from all directions, including overhead. Advanced sound processing and time correction greatly improve the sound realism of moving objects, as well as providing a realistic sense of height and direction of motion. You will feel as if you are right in the middle of the story unfolding on the screen. The powerful 9-channel amp allows you to create either a 7.2.2-channel or 5.2.4-channel system with just this one unit.



Wireless Audio Streaming and Hi-Res Audio

Bluetooth support gives you the convenience of wireless music playback, while Wi-Fi Built-in improves installation flexibility. These two features provide easy access to countless music sources. In addition, compatibility with FLAC/WAV/AIFF 192kHz/24bit, Apple Lossless and DSD 2.8MHz/5.6MHz formats means that you can easily play high resolution audio from a networked NAS, PC or USB.



4K Ultra HD Full Support with 4K60p, HDCP2.2

This unit completely supports with the latest HDMI standards. It can perform 4K Ultra HD upscaling to boost a lower resolution image and supports 4:4:4 video signal for more vibrant and lifelike images, so you can fully enjoy the high definition video quality of 4K. It also adheres to the HDCP2.2 copyright protection standard for 4K video transmission. Multiple HDCP2.2 compliant inputs and outputs design (7 in / 2 out) is ready for future system expansion.

4K Ultra HD FULL SUPPORT

- 4K Video at 60 Frames per second support (4:4:4)
- HDCP 2.2 Input / Output
- 4K Upscale



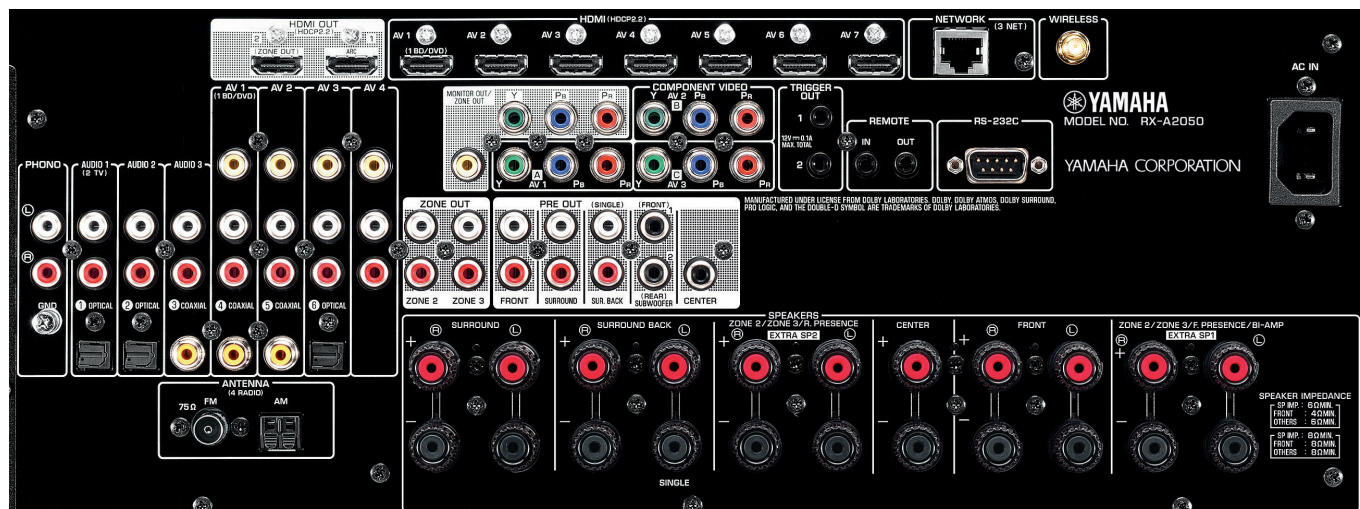
Main Specifications

Audio Section

Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2 ch driven)	
Front L/R	140 W + 140 W
Centre	140 W
Surround L/R	140 W + 140 W
Surround Back L/R	140 W + 140 W
Maximum Effective Output Power (8 ohms, 1 kHz, 10% THD, 1 ch driven)	
Front L/R	220 W + 220 W
Centre	220 W
Surround L/R	220 W + 220 W
Surround Back L/R	220 W + 220 W
Rated Output Power (4 ohms, 1 kHz, 0.9% THD, 1 ch driven [European Model])	
Front L/R	220 W + 220 W
Dynamic Power/Ch (Front L/R, 8/6/4/2 ohms)	
	165/210/285/405 W

General

Standby Power Consumption	
HDMI Control off, Standby Through off	0.1 W
HDMI Standby Through on	1.4 W
Network Standby on	2.2 W [wired]
Dimensions (W x H x D)	
	435 x 192 x 474 mm
	(with antenna up: 435 x 257 x 474 mm)
	17-1/8" x 7-1/2" x 18-5/8"
	(with antenna up: 17-1/8" x 10-1/8" x 18-5/8")
Weight	
	17.0 kg; 37.5 lbs.



European Model

Extensive Connections

Inputs	Outputs	Others
HDMI*1 (Audio Input Assignable**2, HDMI 1-7/HDCP2.2 compatible)	HDMI (HDCP2.2 compatible)	Zone 2 Audio Out with Volume and Tone Controls
Network (Ethernet / Wi-Fi)	Component Video Monitor	Zone 3 Audio Out with Volume and Tone Controls
USB*1	Composite Video Monitor	Remote In/Out
Radio Antenna*3 (FM / AM)	Pre Out	+12V/Total 100 mA Trigger Out
Optical Digital	Speaker*4	RS-232C
Coaxial Digital	Subwoofer	Terminal for Detachable Power Cable
Analogue Audio*1 (with Phono)	Headphone Jack	
Component Video (Audio Input Assignable)		
Composite Video*1		

*1 "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. AirPlay®, iPad, iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. • The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Yamaha Corporation is under license. Other trademarks and trade names are those of their respective owners. • Spotify and Spotify logo are registered trademarks of the Spotify Group. • Napster and the Napster logo are trademarks and registered trademarks of Rhapsody International. • Pandora and Pandora Internet Radio logo are registered trademarks or trademarks of Pandora Media, Inc. in the United States and/or other countries. • JUKE and JUKE logo are registered trademarks of Media-Saturn-Holding GmbH. • The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance. The Wi-Fi Protected Setup Identifier Mark is a mark of the Wi-Fi Alliance. • DLNA™ and DLNA CERTIFIED™ are trademarks or registered trademarks of Digital Living Network Alliance. All rights reserved. Unauthorized use is strictly prohibited. • Dolby, Dolby Atmos, Dolby Audio, Feel Every Dimension, Dolby Digital Plus, Dolby TrueHD, and the double-D symbol are trademarks of Dolby Laboratories. • For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS Licensing Limited. DTS, DTS-HD, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS-HD Master Audio is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved. • HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. • "x.v.Colour" is a trademark of Sony Corporation. • CINEMA DSP is a trademark of Yamaha Corporation. • SILENT CINEMA is a trademark of Yamaha Corporation.

• Product designs and specifications are subject to change without notice.