9.2-channel AVENTAGE network AV receiver with Dolby Atmos® and dual ESS SABRE™ DACs designed for premium home theater systems. Enjoy high-resolution audio playback and access to online music services with built-in Wi-Fi. Conveniently connect a smartphone or tablet with Bluetooth® for quick access to your favorite music. Maximize your installation flexibility with advanced HDMI® zone switching and advanced zone functions in up to four zones.

Audio Features
- 9-channel powerful surround sound
  - 140 W per channel (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2-ch driven)
  - 155 W per channel (8 ohms, 1 kHz, 0.8% THD, 2-ch driven)
  - 220 W 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 frame
- Two ESS SABRE 9006A 8-channel DACs featuring true professional digital audio quality
- High-speed thermal feedback power amplifier
- New high-quality volume IC and pure independent power supply
- Ultra-low jitter PLL circuitry optimize sound imaging
- Extra fifth foot with Anti-Resonance Technology Wedge to reduce vibration
- High-resolution Music Enhancer further heightens musicality from the original content
- H-shaped cross frame for additional chassis rigidity
- DSD 2.8 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
- 4K 60p/4:4:4 pass-through
- 4K video upscaling from analog and HDMI inputs
- HDR: 8 in (1 on front) and 2 output with HDRIP 2.2 (7 in / 2 out), 3D and Audio Return Channel
- Supports Deep Color (30 / 36-bit), x.xColor, 24 Hz refresh rate and auto lip-sync compensation
- Yamaha original video processing that optimizes processing for each type of video content
  - Motion adaptive and edge adaptive deinterlacing
  - Multicadence (incl. 3-2 pull-down) detection
  - Video signal control (contrast, brightness, saturation)

Advanced Features
- Bluetooth for wireless music streaming (SBC / AAC)
- Network functions
  - Built-in Wi-Fi (IEEE 802.11b / g / n)
  - Easy Wi-Fi setup i.e. iOS Wi-Fi settings sharing, WPS etc.
  - AirPlay® allows music streaming from Mac®, PC, iPhone®, iPad®, iPod®
  - Air Controller App for operating various functions from iOS or Android™ smartphones and tablets
  - Access to: Internet radio (iHeartRadio), MP3, WMA, FLAC, Apple® Lossless, APE, DSD, DSD2.8 MHz, DSD5.6 MHz

Surround Realism
- Rear presence channel support for maximum 3D surround sound
- HD Audio decoding with CINEMA DSP 3D (23 DSP programs)
- Symmetrical power amplifier layout
- Heat sink with anti-vibration and anti-thermal properties
- Rigid chassis with additional bottom frame
- Two ESS SABRE 9006A 8-channel DACs featuring true professional digital audio quality
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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 power controls on the 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
- Low standby power consumption of 0.1 W
- Auto Power Standby function with variable time setting

*Compared to power consumption when ECO mode is off (Yamaha measurement)
9-ch Amp for Creating a Sensational 7.2.2-ch or 5.2.4-ch 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 the RX-A2050.

Wireless Audio Streaming and Hi-Resolution Audio

Bluetooth support gives you the convenience of wireless music playback, while built-in Wi-Fi improves installation flexibility. These two features provide easy access to countless music sources. In addition, compatibility with FLAC / WAV / AIFF (192 kHz / 24-bit), Apple Lossless (96 kHz / 24-bit) and DSD (2.8 MHz / 5.6 MHz) formats means that you can easily play high-resolution audio from a networked PC, NAS or USB flash drive.

4K Ultra HD Full Support with 4K 60p, HDCP 2.2

This unit completely supports 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 HDCP 2.2 copyright protection standard for 4K video transmission. Multiple HDCP 2.2 compliant inputs and outputs design (7 in / 2 out) is ready for future system expansion.

Main Specifications

**Audio Section**
- Rated Output Power (8 ohms, 20 Hz–20 kHz, 0.09% THD, 2-ch driven): Front L / R 140 W + 140 W
- Center 140 W
- Surround L / R 140 W + 140 W
- Surround Band 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
- Center 220 W
- Surround L / R 220 W + 220 W
- Surround Back L / R 220 W + 220 W
- Dynamic Power (7 Ch) (Front / L / R / B / L / R) 165 / 210 / 285 / 405 W

**Outputs**
- HDMI (HDCP 2.2 compatible) 2 (Zone assignable)
- Composite video monitor 1
- Speaker 9-ch / 11-terminals
- Headphone Jack 1

**Others**
- Zone 2 audio out with volume and tone controls 1
- Zone 3 audio out with volume and tone controls 1
- Remote in / out 1 / 1
- +12 V / 0.1 A trigger output 2
- Terminal for detachable power cable 1

**Inputs**
- HDMI (Audio input assignable) 8
- Digital optical 3
- Digital coaxial 3
- Analog audio (avec Phone) 9
- Headphone Jack 1

**Dimensions (W x H x D)**
- 171/8" x 101/8" x 185/8" with antenna up

**Weight**
- 37.5 lbs.

**Certification**
- Wi-Fi CERTIFIED™
- Bluetooth® 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, Fidelio E1, DTS-HD Master Audio®, DTS-HD High Resolution Audio®, 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-HD, the Symbol, In 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/or other countries. • Spotify and Spotify logo are registered trademarks of the Spotify Group. • Pandora and Pandora logo are registered trademarks or trademarks of Pandora Media, Inc. © 2017 Pandora Media, Inc. All Rights Reserved. • Spotify and Spotify logo are registered trademarks of the Spotify Group. • Rhapsody and the Rhapsody logo are registered trademarks of Rhapsody International, Inc. • SIRIUS, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. and its subsidiaries. All rights reserved. Service not available in Alaska and Hawaii. • The Wi-Fi CERTIFIED™ word mark and logos are registered trademarks owned by the Wi-Fi Alliance. The Wi-Fi CERTIFIED word mark is a certification mark of the Wi-Fi Alliance. The Wi-Fi Protected Setup Identifier Mark is a mark of the Wi-Fi Alliance.

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**Wireless**
- USB*1
- Network (Ethernet / Wi-Fi) 1 / 1

**HDCP 2.2 compatible** 7

**Composite video*1** 5

**Component video (audio input assignable)** 3

**Analog audio*1 (with Phono)** 9

**Digital optical** 3

**Digital coaxial** 3

**Analog audio*1 (with Phono)** 9

**Headphone Jack 1**

**Speaker 9-ch / 11-terminals**

**Headphone Jack 1**

**Ethernet** 1

**Wi-Fi**

**Bluetooth**

**Android**

**iOS**

**Router**

**PC / NAS**

**Streaming Services / Internet Radio**

**Smartphone**

**Tablet**

**PC / NAS**

**Streaming Services / Internet Radio**

**Smartphone**

**Tablet**