

AVENTAGE model featuring construction designed to maximise sound quality with A.R.T. Wedge, Symmetrical Amp and Rigid Bottom Frame, as well as AirPlay for wireless music play, 4k upscaling for highest quality video, YPAO R.S.C, Dialogue Lift and Dialogue Level Adjustment, and 8 in/2 out HDMI.



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

The RX-A1020 offered with black, titanium and gold finish available in some areas.



Audio Features

- 7-channel powerful surround sound
 1,190W = 170W x 7 (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven [European Model])
 770W = 110W x 7 (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)
 1,155W = 165W x 7 (8 ohms, 1 kHz, 10 % THD, 1 ch driven, JEITA)
- HD Audio format decoding: Dolby TrueHD and DTS-HD Master Audio; Dolby Digital Plus and DTS-HD High Resolution Audio
- Selected high quality parts to achieve optimum audio performance
- Symmetrical power amplifier layout
- Heat sink with anti-vibration and anti-thermal properties
- Rigid chassis with additional bottom frames
- DAC on Pure Ground circuitry
- High speed thermal feedback power amplifier
- Ultra Low Jitter PLL circuitry helps optimise sound imaging
- Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce vibration
- Detachable Power Cable for easier installation (also allows cable upgrade)
- Assignable amplifiers for bi-amp connection
- Intelligent assignable amplifiers for Surround Back <-> Front Presence or Zone 2
- Phono input for vinyl playback

Video Features

- 4K Pass-Through for next-generation super high resolution images
- 4K upscaling boosts lower resolution images to super high-definition resolution
- 4K / full HD 1080p video upscaling from analogue and HDMI input
- HDMI: 8 inputs (1 on front) and 2 outputs (simultaneous) with 3D and Audio Return Channel
- Supports Deep Colour (30/36 bit), x.v.Colour, 24Hz 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

- 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
 - Versatile parameters can be stored into each SCENE
- Network functions
 - AirPlay allows music streaming from iPad, iPhone, iPod touch, Mac, PC
 - AV Controller app for operating various functions from an iPod, iPhone, iPad or Android phones/tablets
 - Access to: Internet Radio (vTuner): MP3, WMA
 Music files on PC/NAS: WAV, MP3, WMA, AAC, FLAC
 - Web Browser Control via PC or Tablet
 - Receiver Manager through network connection
 - DLNA 1.5 certified

- Front panel USB Digital Connection for iPod, iPhone, iPad and USB device
- Charging of iPod, iPhone and iPad via USB when AV Receiver is off
- iPod/iPhone/iPad song titles displayed in English and Western European languages on the front panel and on-screen display
- HDMI front panel input for devices such as camcorders and digital cameras
- HDMI CEC with versatile control from AV Receiver remote control
- Ability to change HDMI input while in Standby Through mode
- YPAO R.S.C. (Reflected Sound Control) sound optimization with multi-point measurement
- Ability to store and choose between two speaker setting patterns
- Advanced multi-language GUI on-screen display with album art (English, German, French, Spanish, Russian, Chinese and Japanese)
- Flexibly assignable component video and optical/coaxial (except Video Aux) inputs allow a wide range of source components
- Audio Delay for adjusting Lip-Sync (0-500 ms)
- Learning-capable and preset remote unit (Preset remote unit in some areas)
- Background Video feature (for tuner and Net)

Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programs)
- Compressed Music Enhancer with CINEMA DSP
- Dialogue Lift ensures that dialogue comes from the center of the screen
- Virtual dialogue lift even without use of presence speakers
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence Speakers
- Channel expandability with external amplifier (7-channel expandability, bi-amping)
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level

Versatile Zone Control

- HDMI Zone B for audio/video streaming to another room (same content as main room)
- Zone 2 on/off and control on front panel
- Zone 2 video assign (Component, S-Video, Composite)
- System Backup / Recovery function
- Multi-channel output in main Zone plus 2-channel HDMI output in Zone B
- Zone mono, Zone volume, tone controls and balance
- Party mode

Eco-Friendly Design

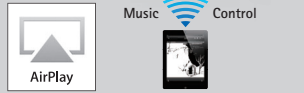
- ECO mode operation for about 20%* less power consumption
 * Compared to power consumption when ECO mode is off (Yamaha measurement).
- Auto power down function with variable time setting
- Low standby power consumption of 0.3W

AV Receiver RX-A1020

NEW PRODUCT BULLETIN

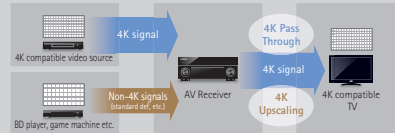
Network Functions Add More Convenience: AirPlay and AV Controller

AirPlay allows music streaming from iPad, iPhone, iPod touch, Mac, PC. The AV Controller app lets you easily operate various functions from an iPod touch, iPhone, iPad or Android device.



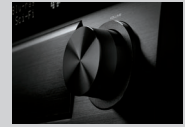
4K Pass-Through and Upscaling Supports Latest High Resolution Video Formats

The RX-A1020's HDMI input/output supports 4K video image pass-through. It also can perform 4K upscaling to boost a lower resolution image to super high-def resolution. This ensures compatibility with the latest super high resolution video formats.



Optimum Audio Quality Design Concept

The AVENTAGE line of high-performance AV receivers is based on the audio design concept of "uncompromising excellence." By combining traditional and innovative technologies, and including advanced features such as a symmetrical layout, an A.R.T. Wedge foot and an aluminium front panel, every factor that affects sound quality is optimized for superb musical performance.



Main Specifications

Audio Section

Rated Output Power (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven [European Model])	
Front L/R	170 W/ch
Centre	170 W
Surround L/R	170 W/ch
Surround Back L/R	170 W/ch
Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)	
Front L/R	110 W + 110 W
Centre	110 W
Surround L/R	110 W + 110 W
Surround Back L/R	110 W + 110 W

Maximum Effective Output Power (8 ohms, 1 kHz, 10 % THD, 1 ch driven, JEITA)	
Front L/R	165 W/ch
Centre	165 W
Surround L/R	165 W/ch
Surround Back L/R	165 W/ch
Dynamic Power/Ch (Front L/R, 8/6/4/2 ohms)	
	135/165/210/280 W

General

Standby Power Consumption	
HDMI Control off, Standby Through off	0.3 W (typical)
HDMI Control on, Standby Through on	4.5 W (typical)
Network Standby Through on	2.2 W (typical)
Dimensions (W x H x D)	
	435 x 182 x 432 mm
	17-1/8" x 7-1/8" x 17"
Weight	
	15.1 kg; 33.3 lbs.

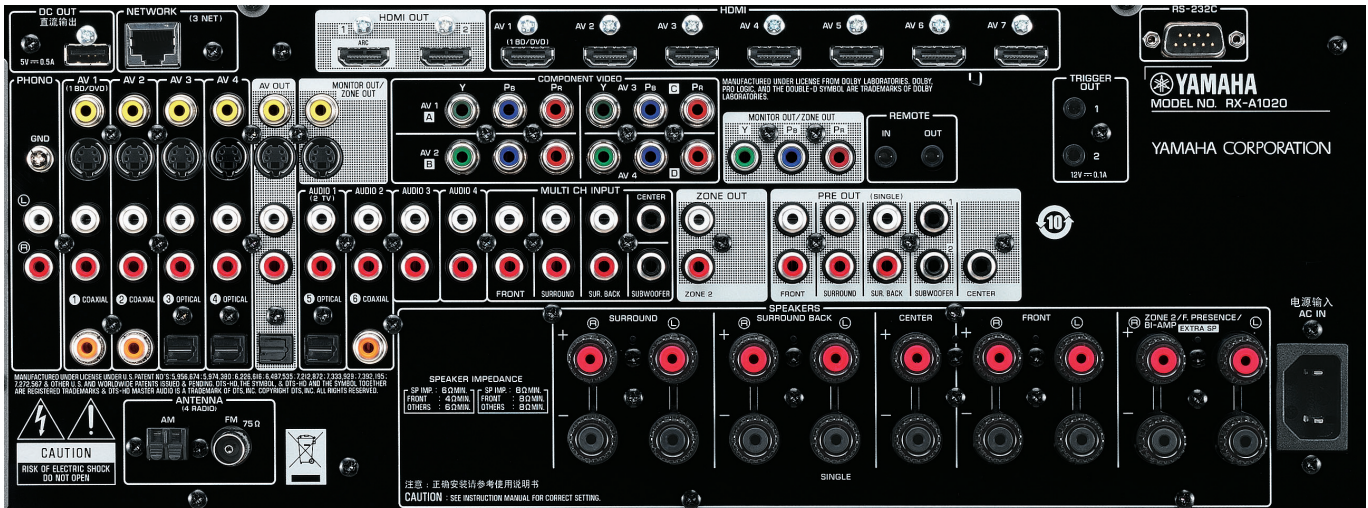
Optional Accessories

WiFi Adapter YWA-10



WiFi Adapter for Wireless Streaming of Additional Music Sources

The YWA-10 makes it possible to stream music wirelessly to the AV receiver from a PC, NAS and internet. 2 LAN port design supports connection of other network device such as Blu-ray player. Power is supplied from the AV receiver via USB.



Extensive Connections

Inputs	
HDMI* ¹	8
Network	1
USB* ¹	1
Radio Antenna (FM/AM)* ²	1 / 1
Optical Digital (Assignable except Video AUX)* ¹	4
Coaxial Digital (Assignable)	3
Analogue AV* ¹ / Audio (with Phono)	5 / 5
Component Video (Assignable)	4
Composite* ¹ / S-Video	5 / 4
Multi-Channel External Decoder	8ch

Outputs	
HDMI	2 (simultaneous)
USB* ³	1
Optical Digital	1
Analogue Audio	1
Pre Out	7.2ch
Component Video Monitor* ⁴	1
Composite / S-Video Monitor* ⁴	1 / 1
AV Out (Composite / S-Video)	1 / 1
Speaker (without subwoofer)* ⁵	7ch (9 terminals)
Subwoofer	2 x mono
Headphone Jack	1

Others	
Zone 2 Out with Volume and Tone Controls	1
Remote In/Out* ⁶	1 / 1
+12V / Total 100 mA Trigger Out* ⁷	2
RS-232C	1
Terminal for Detachable Power Cable	1

*¹ Including front panel terminals.
*² The shape of the FM antenna terminal varies according to area.
*³ USB terminal on rear panel is only for optional accessory's power supply.
*⁴ Assignable to monitor out or Zone 2 out.
*⁵ Banana-plug compatible speaker terminals are available in some areas.
*⁶ SCENE-IR support
*⁷ Yamaha subwoofer system control support

• "Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, 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, iPhone, or iPad may affect wireless performance. AirPlay, the AirPlay logo, iPhone, iPod, iPod classic, iPod nano, iPod touch, and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. iPad is a trademark of Apple Inc. • Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. • DTS, DTS-HD, the Symbol, or DTS or DTS-HD and the Symbol together are registered trademarks of DTS, Inc. • HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. • "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.

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