

Enjoy expanded zone options with powered Zone 2, Party Mode and Zone B dual HDMI outputs. Entertain with ease using the Yamaha AV Controller App optimized for Apple and Android phones and tablets, including Kindle Fire. Simplified Apple connectivity with AirPlay. 4K video upscaling for next generation displays. Advanced audio calibration (YPAO multi-point) ensures an optimized listening experience. Appreciate multiple ECO functions to lower power consumption.



Hidden Control Panel Includes HDMI Input Terminal, USB Port, Video Aux Input Terminals, YPAO Optimized Microphone Jack, And More.



Audio Features

- 7-channel powerful surround sound
100W per Channel (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)
110W per Channel (8 ohms, 1 kHz, 0.9 % THD, 2 ch driven)
- HD Audio format decoding: Dolby TrueHD and DTS-HD Master Audio; Dolby Digital Plus and DTS-HD High Resolution Audio
- Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce Vibration
- Aluminum Front Panel Offers Visual and Aural Benefits
- Discrete amp configuration
- Selected high quality parts to achieve optimum audio performance
- Pure Direct for HD Audio and video enjoyment
- Burr-Brown 192 kHz/24-bit DACs for all channels
- Low jitter PLL circuitry helps optimize sound imaging
- 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
- Banana-plug compatible binding post speaker terminal for Zone2/Presence channels

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 analog and HDMI input
- HDMI: 8 inputs (1 on front) and 2 output with 3D and Audio Return Channel
- Supports Deep Color (30/36 bit), x.v.Color, 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 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
- 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
 - Access to: Internet Radio (vTuner); MP3, WMA
Music files on PC/NAS: WAV, MP3, WMA, AAC, FLAC
 - DLNA 1.5 certified
- Front panel USB Digital Connection for iPod and iPhone

- Charging of iPod, iPhone and iPad via USB when AV Receiver is off
- iPod/iPhone song titles displayed in English and Western European languages on the front panel and on-screen display
- Advanced multi-language GUI on-screen display with album art (English, German, French, Spanish, Russian, Chinese and Japanese)
- HDMI CEC with versatile control from AV Receiver remote control
- YPAO R.S.C. (Reflected Sound Control) sound optimization with multi-point measurement
- HDMI front panel input for devices such as camcorders and digital cameras
- Audio input assign capability for HDMI and component video input
- Ability to change HDMI input while in Standby Through mode
- Audio Delay for adjusting Lip-Sync (0-500 ms)
- Newly designed preset remote unit
- 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
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level
- SILENT CINEMA and Virtual CINEMA DSP

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 sleep and system sleep
- Remote input/output
- Programmable +12V trigger output
- RS-232C interface
- 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 0.1W

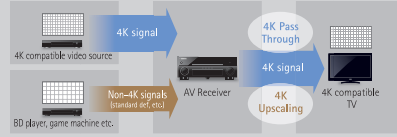
A.R.T. Wedge Helps to Ensure that Vibrations Do Not Affect Sound Quality

The A.R.T. (Anti-Resonance Technology) Wedge is a fifth foot in the center of the unit. It dampens vibrations from the power transformer, power transistors and heat sinks, as well as vibrations that might be caused by the sound from the speakers.



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

The RX-A820'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.



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.



Main Specifications

Audio Section	
Rated Output Power (8 ohms, 20 Hz-20 kHz, 0.09 % THD, 2 ch driven)	
Front L/R	100 W + 100 W
Center	100 W
Surround L/R	100 W + 100 W
Surround Back L/R	100 W + 100 W
Rated Output Power (8 ohms, 1 kHz, 0.9 % THD, 2 ch driven)	
Front L/R	110 W + 110 W
Center	110 W
Surround L/R	110 W + 110 W
Surround Back L/R	110 W + 110 W

Dynamic Power/Ch (Front L/R, 8/6/4/2 ohms)	140/180/210/250 W
General	
Standby Power Consumption	
HDMI Control off, Standby Through off	0.1 W
HDMI Control on, Standby Through on	3.0 W
Network Standby Through on	2.0 W
Dimensions (W x H x D)	17-1/8" x 6-3/4" x 14-1/2"
	435 x 171 x 369 mm
Weight	23.8 lbs.; 10.8 kg

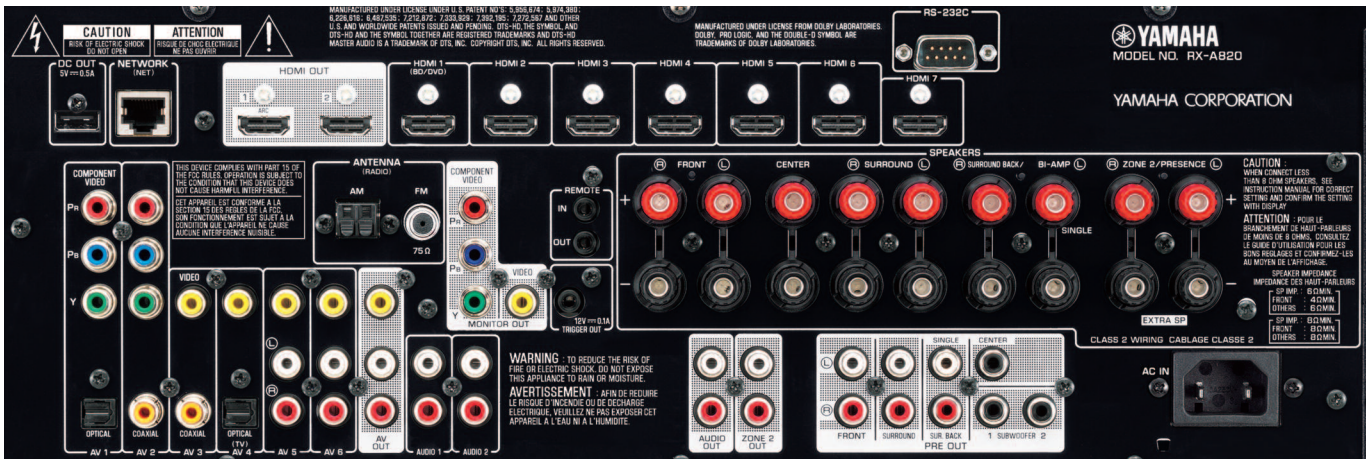
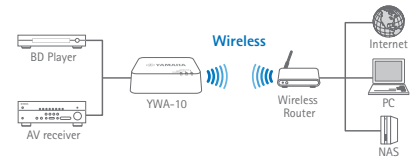
Optional Accessories

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 (Audio Input Assignable*2)	8	Outputs	
Network	1	HDMI	2 (simultaneous)
USB*1	1	Analog Audio	1
Radio Antenna (FM/AM)	1 / 1	USB*3	1
Optical Digital	2	Analog AV	1
Coaxial Digital	2	Pre Out	7.2ch
Analog Audio*1	5	Component Video Monitor	1
Component Video (Audio Input Assignable)	2	Composite Monitor	1
Composite Video*1	5	Composite AV	1
		Speaker (without subwoofer)*4/*5	7ch / 9 ter
		Subwoofer	2 x mono
		Headphone Jack	1
		Others	
		Zone 2 Audio Out	1
		Remote In/Out	1 / 1
		+12V/0.1A Trigger Out	1
		RS-232C	1
		Terminal for Detachable Power Cable	1

*1 Including front panel terminals.
*2 Front HDMI input is not assignable.
*3 USB terminal on rear panel is only for optional accessory's power supply.
*4 Assignable for surround back L/R to bi-amp (front L/R).
*5 Extra speaker terminals are assignable to Zone 2 or Presence.

• "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, & 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. • Burr-Brown products are trademarks of Texas Instruments, Inc. • "x.v.Color" 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.