

# AVENTAGE series

Yamaha's top-rated AV Receivers are created with our unrivalled craftsmanship and attention to detail, so they offer the very best audio and video quality.



RX-A820

RX-A3020

RX-A2020

RX-A1020



- **Optimum Audio Quality Design Concept**
  - Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce vibration
  - Symmetrical power amplifier layout (RX-A1020 and up)
  - H-shaped cross member frame and rigid bottom frame/double bottom construction (H-shape cross member frame/Double bottom construction: RX-A2020/3020, Rigid bottom frame: RX-A1020 and up)
  - Large anti-vibration heatsink
  - Independent power supply for FL display, analogue and digital circuitry
  - Selected high quality parts
- **Advanced network functions: AirPlay, Internet Radio and DLNA support.**
- **AV Controller App for iPhone, iPad, Android phone and Android Tablet.**
- **CINEMA DSP HD<sup>3</sup>/3D — the world's most advanced, highest quality surround sound processing.**  
(CINEMA DSP HD<sup>3</sup>: RX-A3020)
- **YPAO automatic sound optimisation. YPAO Reflected Sound Control for more sophisticated measurement.**
- **High-resolution Music Enhancer further heightens musicality from the original content** (RX-A2020/3020)
- **Industry-leading video processing quality: 4K Pass-through & upscaling for next-generation video sources.**
- **Multi-Zone HDMI Output provides different av sources in two rooms.** (RX-A3020)
- **Power consumption reduced by 20%\* in the ECO mode.**

\*Compared to power consumption when ECO mode is off. Yamaha measurement.

## ■ Highest Levels of Audio Performance

### 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 outstanding features such as the Anti-Resonance Technology (A.R.T. Wedge), aluminium front panel, highest quality parts and a rigid chassis (RX-A3020 and RX-A2020 has an H-shaped cross member frame), every factor that affects sound quality is optimised for superb musical performance.



Anti-Resonance Technology (A.R.T. Wedge)



Aluminium Front Panel



High Quality Parts (extra-large power transformer)



H-shaped Cross Member Frame and Symmetrical Power Amp Layout

## ■ Network Functions

### Network functions built in. Wireless music playback via AirPlay from iPod/iPhone/iPad.

AirPlay provides the convenience of wireless music playback of your iTunes from iPod/iPhone/iPad and Mac/PC. Internet radio provides access to thousands of stations across the world. DLNA support ensures access to large music library of your PC or NAS. High quality codec FLAC is also supported.



### AV Controller App makes using your Yamaha AV receiver easier and more fun.

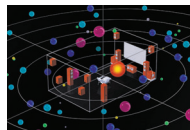
Using your smartphone or tablet, you simply flick and tap to operate various functions. You can turn the power on and off, select input sources, adjust volume and even control a Yamaha Blu-ray Disc player. Music Play function sends music stored on your iOS device or Android device to the receiver. Tablet version is also available.



## ■ Yamaha Original Sound Technology

### Dynamic, Realistic CINEMA DSP Surround Sound

The RX-A3020 features Yamaha's incredible CINEMA DSP HD<sup>3</sup>, which literally takes the surround sound experience to new heights, using two CINEMA DSP engines and the extra channels to create higher and wider sound fields. The other models provide CINEMA DSP 3D processing for dense surround sound fields with extremely high sound clarity.



### Dialogue Lift and Dialogue Level Adjustment for natural dialogue and vocals

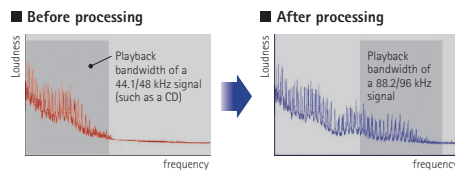
Dialogue Lift raises the sound of dialogue from the centre speaker to a position in the centre of the screen, and can even achieve this without needing presence speakers. Dialogue Level Adjustment lets you hear movie dialogue and music vocals at the ideal level for clear, comfortable listening.



### High-resolution Music Enhancer

Hi-bit high-sampling extension up to 96 kHz / 24-bit can be applied to lossless 44.1/48 kHz content such as from a CD (2-channel PCM) or a FLAC file for further heightening of the musicality in the original content.

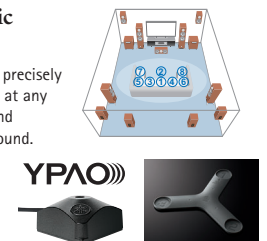
\* RX-A2020/A3020



### YPAO for Professional Grade Acoustic Calibration Automatically

Multi-point YPAO-R.S.C. analyses room acoustics, then precisely calibrates audio parameters to achieve optimum sound at any of several listening positions. It employs Reflected Sound Control to correct early reflections for studio-quality sound. The RX-A3020 and RX-A2020 use a new microphone that provides more precise measurements.

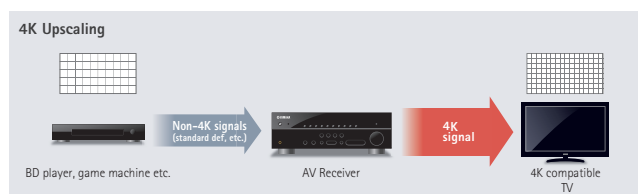
\* YPAO R.S.C. with multi-point measurement: RX-A820/A1020/A2020  
YPAO R.S.C. with multi-point and angle measurements: RX-A3020



## ■ Expandability and ECO Design

### 4K pass-through and 4K upscaling function for next generation super high resolution pictures.

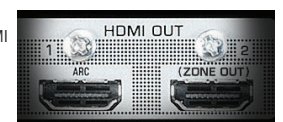
These AV receivers provide HDMI input/output that can handle 4K video image pass-through. They also have a 4K upscaling function that brings both standard and high def quality video to super high resolution (four times 1080p resolution).



### Multi-Zone HDMI Output

This receiver makes it possible to set up multi-zone systems in a variety of configurations. The second HDMI output can be assigned to another zone for enjoying a second source in a different room, while maintaining full-scale surround sound in the main room.

\* HDMI Zone Out: RX-A3020



### ECO mode lowers power consumption by 20%\*

Yamaha's new ECO mode reduces power consumption by about 20%. It can be set easily from the top of the GUI/OSD menu. There is also an Auto Power Down function that can be set for 2, 4, 8 or 12 hours.

\* Compared to power consumption when ECO mode is off (Yamaha measurement).



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