

# Yamaha AVENTAGE RX-A3080 9.2-Channel Network A/V Receiver

**Brand:** Yamaha  
**Product Code:** RX-A3080BL



**Price:** \$1,999.95

## Description

Enjoy immersive multi-channel sound with the Yamaha AVENTAGE RX-A3080 9.2-Channel Network A/V Receiver. It delivers up to 150W of power per channel at 8 Ohms and features Dolby Atmos and DTS:X compatibility for object-based audio support. Built-in Bluetooth and AirPlay support allows the receiver to wirelessly stream music from compatible sources, such as smartphones and tablets, while Yamaha's Compressed Music Enhancer helps to deliver optimized sound quality. Onboard Wi-Fi and Ethernet connectivity allows the AVENTAGE RX-A3080 to access music from your connected computer or NAS. Amazon Alexa compatibility enables you to control certain functions of the receiver with just your voice through your Alexa-enabled devices. With seven HDMI inputs and three outputs, this receiver can act as a video switcher for your HD source components. It will pass through HDR UHD 4K signals and will upscale non-UHD signals to near-4K quality for enhanced viewing of lower-resolution sources when paired with a UHD display. The receiver also has a USB port for accessing media stored on USB flash drives. YPAO-RSC multipoint sound optimization will calibrate the receiver to your speakers and room setup for a tailored listening experience.



## **Product Features**

Total Purity Concept

The Total Purity Concept is designed to encompass high-drive amp technology, high-

purity preamplification, anti-vibration technology, and independent, pure power supplies.

The receiver has fully discrete power amplifiers that help minimize distortion and adopts

pure independent power supplies, allowing dedicated power supplies for the analog and

digital circuitry to prevent digital noise from affecting analog circuitry. The anti-vibration

heat sinks are designed to suppress vibration from transistors and sound pressure.



## Anti-Resonance Technology

The Anti-Resonance Technology Wedge is a fifth foot in the center of the receiver. It is

engineered to dampen vibrations from the power transformer, power transistors, and heat

sinks, as well as vibrations that might be caused by the sound from the speakers.

## Foundational Design

The feet of the receiver feature a high-density structure that utilizes both straight and

curved ribs to enhance strength and damping performance. This is designed to enhance

installation stability and disperse chassis resonance, effectively eliminating external

vibration. This helps to enhance low-range response, reduce resonance peaks in the mid-

and high-range, and provide dynamic sound and accurate reproduction.

Aluminum Front Panel



The AVENTAGE RX-A3080 features an aluminum front panel to help shield sensitive

circuitry from external noise and electronic radiation generated by dimmer switches,

fluorescent lighting, video monitors, and the like. This helps ensure optimum sonic

performance in a variety of installation environments.

Symmetrical Power Amplifier

The interior of the receiver has been circuit-routed and built so that the left and right

channels are physically and electrically isolated, helping to maximize channel separation

and enhance the signal-to-noise ratio while also helping to achieve an open sound stage.

H-Shaped Frame

The receiver is reinforced internally with cross-members in an H-shape to help provide a

rigid, stable frame. This is designed to help reduce chassis vibration to virtually zero,

even during high volume output, helping to maintain audio quality.



XLR Inputs

The RX-A3080 comes equipped with XLR balanced audio input/output terminals. In

combination with a Blu-ray or CD player equipped with balanced output terminals, this

enables high-quality signal transmission with reduced degradation of sound quality due to

external noise. The balanced input terminals feature gold-plated connections produced by

Neutrik.

Two ESS 384 kHz / 32-bit SABRE DACs (ES9026PRO & ES9007S)

ESS's 32-bit Hyper Stream Total Harmonic Distortion (THD) compensation function

helps minimize noise levels. In combination with Yamaha's D.O.P.G. (DAC On Pure

Ground) concept, which virtually eliminates the potential difference between two audio

circuit stages to reduce ground noise, it enhances silence and resolution over the entire

audio range for enhanced reproduction of even delicate sounds.



Surround:AI

This AI technology built into the DSP analyzes the scene of your content and creates a

surround effect to help reproduce it with augmented realism. In real time, this AI

analyzes scenes by focusing on distinct sound elements, such as dialogue, background

music, ambient sounds, and sound effects, and automatically enhances the surround effect

to help provide greater realism.

HDR & UHD Support Over HDMI

This receiver can pass-through UHD video at 60 frames per second, as well as the

HDR10, Dolby Vision, and HLG HDR formats for enhanced contrast and colors.

Three HDMI Outputs



With three HDMI outputs, you can simultaneously connect to your display, projector, and

other devices to watch two separate video sources at the same time, or broadcast the same

video source across all outputs.

## HDMI Zone Switching

You can transmit video or audio content to a display or home theater system in another

room (Zone 2) via HDMI, allowing you to choose whether you want to enjoy the same

content as the main room or different content in both rooms.

## Wi-Fi, Bluetooth, and AirPlay Compatibility

Built-in Wi-Fi allows you to connect the receiver to your wireless router, simplifying

system connections for music streaming or enjoying networked audio from your

computer or NAS. Bluetooth connectivity is also onboard, allowing you to stream audio

from your compatible device into the receiver, or out from the receiver to another



Bluetooth device, such as a pair of headphones.

Dolby Atmos & DTS:X Playback with CINEMA DSP HD3

These object-based sound technologies are designed to create realistic surround sound by

positioning and moving individual sounds to nearly any virtual point in your room,

including overhead. The CINEMA DSP HD3 features augmented signal processing

algorithms and three sets of processors for added realism and immersion.

## 11.2-Channel Pre-Outs

Connect an external amplifier to drive your speakers for enhanced sound quality.

Control via the MusicCast App

The free MusicCast app puts control of the receiver into the palm of your hand. Access



your sources and streaming services, adjust volume and sound settings, and link with

other MusicCast devices for simultaneous playback throughout your home.

Voice Control with Amazon Alexa and MusicCast

With Alexa voice control integration, all you have to do is ask. Use any Alexa-enabled

device, such as your Echo or Echo Dot, to control either the receiver by itself or multiple

MusicCast devices throughout your home.

Built-In Streaming Services & Spotify Connect

Explore a world of music with built-in streaming services, including Spotify Connect.

Syncing your playlists and likes from your smart device to the receiver and discovering

new music becomes even easier with the receiver.

YPAO-RSC (Reflected Sound Control with 3D, Multipoint Measurement, and 64-Bit



High-Precision EQ)

YPAO-RSC analyzes room acoustics with the included microphone to tune your system

for optimal sound in your room. It uses EQ RSC to correct early reflections for enhanced

sound. YPAO 3D is engineered to provide automatic sound parameter optimization

designed to maximize the 3D sound field effectiveness of CINEMA DSP HD3, Dolby

Atmos, and DTS:X. 64-bit EQ calculation helps achieve natural room acoustics.

Additionally, DSP Effect Normalization adjusts room acoustics according to the reflected

sounds of each CINEMA DSP program.

Phono Input

Enjoy music from your vinyl collection with your turntable through the dedicated phono

input.

Wireless Surround Speakers with Optional Equipment



Combine the receiver with optional MusicCast wireless speakers and enjoy the

convenience of a home theater with wireless surround speakers in a 5.1-channel setup.

MusicCast for Whole-Home Music

Start with the AVENTAGE RX-A3080 receiver in your home theater and expand to other

rooms over time with optional MusicCast speakers, soundbars, or hi-fi gear. Stream your

music and TV audio throughout the house over your existing Wi-Fi network.

## Additional Features

· Dialogue level adjustment

- Virtual presence speaker & virtual surround back speaker



- Dialogue lift (no presence speakers required)

Virtual CINEMA FRONT

· Pure Direct (with video on mode)

Compressed Music Enhancer

· High-resolution music enhancer

## YPAO Angle Measurement

YPAO Volume

- Adaptive DRC (Dynamic Range Control)



- Initial volume and maximum volume setting

· BTL connection

- **Bi-amp capability**

· 0 to 500 ms audio delay

· UHD upscaling via HDMI

· Video adjustment

- Deep Color, x.v.Color, 24 Hz refresh rate, and auto lip-sync support

· Graphical user interface



· Eight SCENE PLUS presets

· Web browser control

· Party Mode

· Auto Power Standby

· ECO Mode

eARC capability scheduled to be made available via a future firmware update

## Specifications

Main Unit	
Output Power	150 W per channel @ 8 Ohms, 20 Hz to 20 kHz,

0.06% THD, 2 channels driven

165 W per channel @ 8 Ohms, 1 kHz, 0.9% THD, 2

channels driven

230 W per channel @ 8 Ohms, 1 kHz, 10% THD, 1

channel driven (JEITA)

Dynamic Power per Channel

175 W @ 8 Ohms (front L/R)



220 W @ 6 Ohms (front L/R)

295 W @ 4 Ohms (front L/R)

410 W @ 2 Ohms (front L/R)

Channels

9.2

Object-Based Audio Support

Dolby Atmos, DTS:X

Audio Decoding

Dolby TrueHD, Dolby Digital Plus, Dolby

Surround, DTS-HD Master Audio

## Video

Pass-Through

4K/60p (4:4:4), HDR10, Dolby Vision, HLG,

BT.2020

HDCP Version

HDCP 2.2 on all ports

Connectivity

Bluetooth	Yes (SBC / AAC)
Wi-Fi	Yes, dual-band (2.4 / 5 GHz)
AirPlay	Yes

Tuner

AM / FM

Inputs

7 x HDMI

3 x optical TOSLINK

3 x digital coaxial

2 x RCA component video

4 x RCA composite video

1 x gold-plated stereo XLR

8 x stereo RCA audio (1 front)

1 x stereo RCA audio (phono, with ground screw)



Outputs

3 x HDMI

2 x subwoofer pre-out

1 x Zone 2/Front Presence stereo RCA pre-out

1 x Zone 3/Rear Presence stereo RCA pre-out

1 x 7-channel RCA pre-out

1 x gold-plated stereo XLR Front pre-out

1 x 1/4" / 6.35 mm headphone (front)

Other Connectors

1 x FM tuner antenna

1 x AM tuner antenna

1 x USB (front)

2 x wireless antennas

1 x Ethernet LAN

1 x 1/8" / 3.5 mm calibration mic (front)

2 x 1/8" / 3.5 mm 12 V trigger out

1 x 1/8" / 3.5 mm remote in

1 x 1/8" / 3.5 mm remote out

1 x 9-pin RS-232C

Speaker Connectors

11 x binding post pairs

HDMI CEC

Yes

Audio Return Channel (ARC)

Yes

USB Formats

MP3, WMA, WAV, MPEG-4 AAC (up to 48 kHz /

16-bit), ALAC (up to 96 kHz / 24-bit), FLAC (up to

384 kHz / 24-bit), AIFF (up to 384 kHz / 32-bit),

DSD (up to 11.2 MHz)



General

Power Requirements

Not specified by manufacturer

Standby Power Consumption

IR Only: 70.1 W

Dimensions (W x H x D)

Without Antenna: 17.125 x 7.5 x 18.625" / 43.5 x

19.05 x 47.31 cm

With Antenna: 17.125 x 10.625 x 18.625" / 43.5 x

26.99 x 47.31 cm

Weight

39.9 lb / 18.1 kg

Packaging Info

Package Weight

44.8 lb

Box Dimensions (LxWxH)

21.8 x 21.3 x 11.5"