

# Yamaha AVENTAGE RX-A1080 7.2-Channel Network A/V Receiver

**Brand:** Yamaha  
**Product Code:** RX-A1080BL



**Price:** \$1,199.95

## Description

Enjoy immersive multi-channel sound with the AVENTAGE RX-A1080

7.2-Channel Network A/V Receiver. It delivers up to 110W 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-A1080 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-A1080 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.

ESS 384 kHz / 32-bit SABRE DAC (ES9007S)

Incorporating the ES9007S SABLE DAC from ESS Technology helps further

enhance the signal-to-noise ratio and achieve up to 120 dB of dynamic range.

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 in the main room or different content.

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

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

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

your room, including overhead.



7.2-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

Explore a world of music with built-in streaming services. 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 Multipoint Measurement & Precision

EQ

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

your system for optimal sound in your room. It uses precision EQ calculation to

help achieve natural room acoustics. It also uses RSC to correct early reflections

for enhanced sound. Additionally, DSP Effect Normalization adjusts the room

acoustics according to the reflected sounds of each CINEMA DSP program.



Zone 2 Second-Room Sound

This feature, also known as Intelligent Amp Assign, allows you to enjoy stereo

sound in a second room. When Zone 2 is turned on, the two surround back

channels in a 7.1-channel system will be redirected to the two speakers in Zone

2, while still providing 5.1 channels of power to the main zone. This mitigates the

need to switch speaker cables.

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-A1080 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

- 3D Cinema DSP with 24 programs

- 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)

- High-resolution music enhancer

· Compressed Music Enhancer (including for Bluetooth)

. YPAO Volume

- Adaptive DRC (Dynamic Range Control)



- Initial volume and maximum volume setting

- Bi-amp capability

- 0 to 500 ms audio delay

- UHD upscaling via HDMI

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

- HDR10, Dolby Vision, HLG, and BT.2020 support

- Graphical user interface

· Eight SCENE PLUS sets



- 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

110 W per channel @ 8 Ohms, 20 Hz to 20

kHz, 0.06% THD, 2 channels driven

120 W per channel @ 8 Ohms, 1 kHz, 0.9%

THD, 2 channels driven

165 W per channel @ 8 Ohms, 1 kHz, 10%

THD, 1 channel driven (JEITA)

Dynamic Power per Channel

135 W @ 8 Ohms (front L/R)

165 W @ 6 Ohms (front L/R)

210 W @ 4 Ohms (front L/R)



280 W @ 2 Ohms (front L/R)

Channels

7.2

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

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 stereo RCA pre-out

1 x 7-channel RCA 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	9 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 192 kHz / 24-bit), AIFF (up to 192 kHz /

32-bit), DSD (up to 11.2 MHz)

## General

Power Requirements	Not specified by manufacturer
Standby Power Consumption	IR Only: ?0.1 W
Dimensions (W x H x D)	Without Antenna: 17.125 x 7.125 x 17.25" /



43.5 x 18.1 x 43.82 cm

With Antenna: 17.125 x 10.25 x 17.25" / 43.5 x

26.03 x 43.82 cm

Weight

32.8 lb / 14.9 kg

Packaging Info

Package Weight

38.5 lb

Box Dimensions (LxWxH)

22.0 x 20.0 x 11.25"