YAMAHA

MusicCast AV Receiver
RX-A780

AVENTAGE

Engineered for Performance

This 7.2-channel AV receiver is about performance with dual HDMI® outputs, Dolby Atmos® and DTS:X™, Zone 2, Phono input, Wi-Fi®, YPAO™ with R.S.C. and much more.
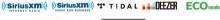
Audio Features

- 7-channel powerful surround sound
  95 W per channel (8 ohms, 20 Hz-20 kHz, 0.06% THD, 2-ch driven)
  110 W per channel (8 ohms, 1 kHz, 0.9% THD, 2-ch driven)
  160 W per channel (8 ohms, 1 kHz, 10% THD, 1-ch driven)
- Dolby Atmos and DTS:X support
- YPAO- R.S.C. sound optimization
- Extra fifth foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce vibration
- Advanced design feet enhance strength and vibration resistance
- Aluminum front panel offers visual and aural benefits
- Selected high quality parts to achieve optimum audio performance
- Pure Direct for pure Hi-Fi sound quality enjoyment
- High quality volume IC and Independent pure power supply
- Low jitter PLL circuitry helps optimize sound imaging
- Assignable amplifiers for front speaker bi-amp connection
- DSD up to 11.2 MHz audio playback
- FLAC or WAV 192 kHz/24-bit audio playback
- Apple Lossless audio playback
- Compressed Music Enhancer for Bluetooth®
- Phono input for vinyl playback
- Preout terminals for front L/R speakers **NEW**

Video Features

- Latest HDMI® (5 in/2 out) with 4K Ultra HD full support (4K/60p [4:4:4]), HDR Video including Dolby Vision™ and Hybrid Log-Gamma, and BT.2020 pass-through **NEW**
- 4K video upscaling from HDMI input

Advanced Features

- Ability to add MusicCast Surround speaker(s) (MusicCast 20 or MusicCast 50) **NEW**
- Amazon Alexa voice control compatibility
- Ability to add wireless subwoofer (MusicCast SUB 100) **NEW**
- MusicCast for audio enjoyment in every room
- Bluetooth for wireless music streaming (SBC/AAC)
- Bluetooth Output for Convenient Music Streaming
- Network functions
  - Wi-Fi® Built-in (802.11b/g/n) **NEW**
  - Easy Wi-Fi setup i.e. iOS Wi-Fi settings sharing, WPS etc.
  - AirPlay® allows music streaming from Mac, PC, iPod®, iPhone®, iPad®

- Access to: Internet Radio (airable radio): MP3, WMA Streaming Services (Spotify*, Napster*, Pandora®*, SiriusXM*, Tidal*, Deezer*) *Streaming service availability varies by region. Music files on PC/NAS: WAV, MP3, WMA, AAC, FLAC, Apple® Lossless, AIFF, DSD
  - Triggered Auto Playback with MusicCast devices
- Gapless playback compatibility allows play without interruption
- Front panel USB digital connection for USB thumbdrives
- Advanced GUI on-screen display with HD capability
- Pre out terminal for Zone 2 with volume control

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
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence Speakers
- Virtual CINEMA FRONT provides virtual surround sound with 5 speakers in front
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system

Versatile Zone Control

- Pre out terminal for Zone 2 with volume control
- Versatile Zone 2 Control, i.e., power/volume/control by app
- Zone mono, Zone volume, Zone tone controls, Zone balance and Zone audio delay
- Party mode
- Remote input/output

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 standby function with variable time setting

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Zone 2 (Second Room Sound)

This feature, also known as Intelligent Amp Assign, allows users 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 giving the Main Zone 5.1 channels of power. Thanks to this feature, there's no need to switch the speaker cables on the rear of the AV receiver.

MusicCast Surround

Combine this AV receiver with the MusicCast 50 or MusicCast 20 wireless streaming speakers and enjoy the amazing convenience of creating a home theater with wireless rear speakers. Add the MusicCast SUB 100 to enhance your system with a powerful low end.

YPAO™ with R.S.C.

This technology analyzes room acoustics and measures various speaker characteristics, then calibrates audio parameters to achieve optimum sound. It employs Reflected Sound Control to correct early reflections for studio-quality sound. It also provides DSP Effect Normalization, which varies the CINEMA DSP parameters according to the reflected sounds.

Main Specifications

Amplifier Section

Channel	7.2
Rated Output Power (8 ohms, 1 kHz, 0.9% THD, 1-ch driven)	110 W
Rated Output Power (8 ohms, 20 Hz- 20 kHz, 0.06% THD, 2-ch driven)	95 W
Maximum Effective Output Power (8 ohms, 1 kHz, 10% THD, 1-ch driven) (JEITA)	160 W
Dynamic Power per Channel (8 / 6 / 4 / 2 ohms)	130 / 170 / 195 / 240 W

General

Standby Power Consumption (IR only)	≤ 0.1 W
Auto Power Standby	Yes
ECO Mode	Yes
Dimensions (W x H x D)	17-1/8" x 6-3/4" x 15" (with antenna up: 17-1/8" x 9-3/4" x 15")
Weight	23.4 lbs.

Extensive Connections

Inputs

HDMI®*[1] (audio input assignable, HDCP 2.2 compatible)	5
Network (Ethernet / Wi-Fi)	1 / 1
USB*[1]	1
Radio Antenna (FM / AM)	1 / 1
Optical Digital	2
Coaxial Digital	2
Analog Audio*[1] (including mini jack input and phono)	5 (1 front)
Component Video (audio input assignable)	1
Composite Video	1

Outputs

HDMI (HDCP2.2 compatible)	2 (simultaneous)
Pre Out	2.2-ch
Speaker*[2]/*[3]	7-ch / 9 ter
Subwoofer	2 x mono
Headphone Jack*[1]	1

*[1] Including front panel terminals.

Others

Zone 2 Audio Out	1
Remote In/Out	1 / 1
+12V / Total 0.1A Trigger Out	1
Terminal for Detachable Power Cable	1

*[2] Extra SP1 terminals are assignable to Front Presence or Zone 2.
*[3] Extra SP2 terminals are assignable to Surround Back, Zone 2 or bi-amp.

Yamaha Eco-Label
Yamaha Eco-Label is a mark that certifies products of high environmental performance.