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## Yamaha Audio RX-A780

# Yamaha AVENTAGE RX-A780 7.2-ch 4K Ultra HD AV Receiver

Brand: Yamaha Audio | Model: RX-A780

## PRODUCT OVERVIEW

The Yamaha AVENTAGE RX-A780 is a high-performance 7.2-channel AV receiver designed to deliver an immersive home theater experience. It features dual HDMI outputs, support for advanced audio formats like Dolby Atmos and DTS:X, and Zone 2 capabilities for multi-room audio. Connectivity options include Wi-Fi and a phono input for turntables. The receiver also incorporates YPAO with R.S.C. for optimized sound calibration.



Figure 1: Front view of the Yamaha AVENTAGE RX-A780 AV Receiver, showcasing its sleek design and main controls.

## KEY FEATURES

- **Immersive Audio:** 7.2-ch Dolby Atmos, DTS:X (5.2.2-ch) with Zone 2, Cinema DSP 3D, and YPAO Sound Optimization (RSC/Multipoint) for precise audio calibration.
- **Advanced Connectivity:** Features Wi-Fi, Bluetooth, AirPlay, Spotify Connect, and MusicCast multi-room capabilities. Works seamlessly with Amazon Alexa for voice control.
- **High-Resolution Audio Support:** Supports various file formats including MP3 / WMA / MPEG-4 AAC (up to 48 kHz / 16-bit), ALAC (up to 96 kHz / 24-bit), FLAC (up to 192 kHz / 24-bit), WAV / AIFF (up to 192 kHz / 32-bit), and DSD (up to 11.2 MHz).
- **4K Video Pass-through:** Equipped with HDMI with HDCP 2.2 (5-in/2-out) supporting 4K Ultra HD, HDR10,

Dolby Vision, Hybrid Log-Gamma, and BT.2020.

- **MusicCast Surround:** Capable of adding two MusicCast 20 speakers to provide wireless surrounds for a 5.1-ch setup, enhancing flexibility and reducing cable clutter.

## WHAT'S IN THE BOX

Upon unboxing your Yamaha AVENTAGE RX-A780, you will find the following components:

- AV Receiver Unit
- Remote control
- Batteries (2 x AAA)
- YPAO microphone (for sound calibration)
- FM antenna
- AM antenna
- Wi-Fi antenna



Figure 2: The Yamaha AVENTAGE RX-A780 receiver shown with its remote control and YPAO microphone.

## SETUP GUIDE

### Physical Setup

1. **Placement:** Position the receiver on a stable, flat surface with adequate ventilation. Ensure there is enough space around the unit for heat dissipation.
2. **Antenna Connection:** Connect the supplied FM and AM antennas to their respective terminals on the rear panel. Attach the Wi-Fi antenna for wireless connectivity.
3. **Speaker Connections:** Connect your speakers to the appropriate terminals on the rear of the receiver. Ensure correct polarity (+ to + and - to -) for each speaker. The RX-A780 supports 7.2 channels.
4. **HDMI Connections:** Connect your video sources (e.g., Blu-ray player, gaming console, cable box) to the HDMI input ports. Connect your TV or projector to one of the HDMI OUT ports.



Figure 3: Rear panel of the Yamaha AVENTAGE RX-A780, showing various input and output connections including HDMI, audio, and speaker terminals.

## Initial Configuration

5. **Power On:** Plug the receiver into a power outlet and turn it on.
6. **On-Screen Setup:** Follow the on-screen instructions displayed on your TV to complete the initial setup. This includes network configuration, speaker setup, and input assignments.
7. **YPAO Calibration:** Use the supplied YPAO microphone to automatically calibrate your speakers for optimal sound performance in your listening environment. Place the microphone at your primary listening position and follow the on-screen prompts.

## OPERATING INSTRUCTIONS

### Basic Operation

- **Input Selection:** Use the INPUT selector knob or the dedicated input buttons on the remote control to switch between connected sources (e.g., HDMI 1, AV 2, etc.).
- **Volume Control:** Adjust the master volume using the large VOLUME knob on the front panel or the volume buttons on the remote.
- **Sound Programs:** Explore various sound programs (e.g., Cinema DSP 3D, Straight) using the PROGRAM buttons to enhance your audio experience for different content types.



Figure 4: Close-up of the Yamaha AVENTAGE RX-A780's front panel, highlighting the input selector, volume knob, and scene buttons.

## Advanced Features

- **MusicCast Multi-Room:** Utilize the MusicCast app on your smartphone or tablet to control audio playback across multiple rooms with compatible MusicCast devices.
- **Network Streaming:** Access various streaming services like Spotify, Pandora, and more directly through the receiver's network features.
- **Zone 2 Operation:** The receiver supports Zone 2, allowing you to play different audio content in a separate room. Refer to the detailed user manual for specific Zone 2 setup and control.

## MAINTENANCE

- **Cleaning:** Regularly wipe the receiver's exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure that the ventilation openings on the receiver are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check for and install firmware updates to ensure optimal performance and access to new features. This can usually be done via the network connection.

## TROUBLESHOOTING

- **No Power:** Check the power cable connection and the power outlet. Ensure the receiver is not in standby mode.
- **No Sound:** Verify speaker connections and polarity. Check the input source selection and volume level. Ensure mute is not activated.
- **No Video:** Confirm HDMI cable connections between sources, receiver, and TV. Check the input source selection on both the receiver and the TV.
- **Network Issues:** Restart your router and the receiver. Check network cable connections if using wired Ethernet.

For more detailed troubleshooting, please refer to the comprehensive user manual provided with your receiver or visit the Yamaha support website.

## SPECIFICATIONS

| Feature                 | Detail                          |
|-------------------------|---------------------------------|
| Model Number            | RX-A780                         |
| Product Dimensions      | 15 x 17.18 x 6.75 inches        |
| Item Weight             | 24.3 pounds                     |
| Surround Sound Channels | 7.2                             |
| Total HDMI Ports        | 7 (5-in/2-out)                  |
| Connectivity Technology | AirPlay, Bluetooth, HDMI, Wi-Fi |
| Audio Encoding          | Dolby Atmos, DTS:X              |
| Included Batteries      | 2 AAA batteries                 |

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your product packaging or visit the official Yamaha Audio website. Online resources, FAQs, and contact details for customer service are typically available there.