

Yamaha Rx A4a Manual



AV Receiver

NEW PRODUCT BULLETIN

AVENTAGE

Benefit from enriched audio performance via the symmetrical amp layout and center-mounted transformer design. Enjoy an improved listening experience throughout the home by utilizing advanced zone settings. Take full control of any zone with the Yamaha AV Controller App optimized for Apple and Android phones and tablets, including Kindle Fire. Features such as simplified Apple connectivity with AirPlay, streamlined user operation with SCENE Plus, automatic room calibration (YPAO multi-point) and a GUI enhance the overall user experience.



Hidden Control Panel
Includes HDMI Input Terminal, USB Port,
Video-Aux Input Terminals, Zone 2 Switch,
VCR/DVD Microphone Jacks, And More



Audio Features

- 2 channel powered surround sound
- 110W per Channel (8 ohms, 20-20,000 Hz, 0dB, 2 ch drive)
- 110W per Channel (16 ohms, 1dB, 0.5 Hz, 2 ch drive)
- HD Audio format decoding: Dolby Digital and DTS-HD Master Audio; Dolby Digital and DTS-ES Surround Audio
- Selected high quality parts to achieve optimum audio performance
- Symmetrical power amplifier layout
- Heat sink with anti-vibration and anti-thermal properties
- Real chassis with additional bottom frame
- DAC on Pure General circuitry
- High speed thermal feedback power amplifier
- Low jitter PLL circuitry helps optimize sound imaging
- Extra 50W per Ch with Anti-Resonance Technology (A.R.L. Wedge) to reduce vibration
- Detachable Power Cable for easier installation (also allows cable upgrade)
- Asymmetrical amplifiers for hi-wire connectivity
- 100% Class D Amplification for Summed Back <= Front Presence or Zone 2
- Phono input for vinyl playback

Video Features

- 4K Pass-Through for next-generation super high resolution images
- 4K upscaling boosts lower resolution images to super high-definition resolution
- 4K / full HD 1080p videos upscaling from analog and HDMI input
- HDMI: 8 inputs (1 on front) and 2 outputs (simultaneous) with 3D and Audio Return Channel
- Supports Deep Color (30/24 bit), x.v.Color, 240Hz Refresh Rate and Auto Lip-Sync compensation
- High quality video processing with precise deinterlacing
 - Motion adaptive and edge adaptive deinterlacing
 - Multi-cadence (incl. 3-2 pull-down) detection

Advanced Features

- SCENE PLUS - sim and compatible functionality
 - HDMI CEC powers up versatile 7th and Blu-ray Disc™ players
 - 12 SCENE choices (4 on front panel and others on GUI)
 - Zone SCENE - 4 SCENE buttons for Zone 2
 - Versatile parameters can be shared into each SCENE
- Network functions:
 - Play allows Music streaming from iPad, iPhone, iPod touch, Mac, PC
 - AV Controller keys for executing various functions from an iPad, iPhone, iPod or Android phone/tablets
 - Access to Internet Radio (tuners) MP3, WMA, AAC, FLAC, DSD, etc.
 - Music files on P2MPs, iRAC, MP3, WMA, AAC, FLAC
 - Web-Browser Control via PC or Tablet
 - Revision Manager through network connection
 - SCENE 3.5 control

- **Hi4 Radio****
 - Front panel USB Digital Connection for iPod, iPhone, iPad and USB device
 - Charging of iPod, iPhone and iPad via USB when Air Receiver is on
 - Play/Phone/Pause song titles displayed in English and Western European languages on the front panel and on-screen display
 - HDMI front panel input for devices such as camcorders and digital cameras
 - HDMI CEC with versatile control from Air Receiver remote control
 - Ability to change HDMI input while in Standby through front panel
 - THX RSC: Reference Surround Control sound optimisation with multi-point measurement
 - Ability to store and change between two equalizer setting patterns
 - Advanced multi-language GUI on-screen display with eleven art (English, German, French, Spanish, Russian, Chinese and Japanese)
 - 100% digital processing of video and optica/sound (except Video Aud) inputs allow a wide range of source components
 - Audio Delay for adjusting Lip-Sync (0-500 ms)
 - Newly designed preset remote unit
 - Background Video feature (for Tuner and Net)
- **For US only**

Surround Realism

- HD Audio decoding via CINEMA DSP 3D (17 DSP programs)
- Compressed Music Enhancer with CINEMA DSP
- Dialogue Lift ensures that dialogue comes from the center of the screen
- Virtual dialogue lift even without use of presence speakers
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence Speakers
- Channel expandability with external amplifier (7-channel expandability, bi-amping)
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level

Versatile Zone Control

- HDMI Zone B for audio/video streaming to another room (same content as main room)
- Zone 1 on/off and control on front panel
- Zone 2 video assign [Component, S-Video, Composite]
- System Backup / Recovery function
- Multi-channel output in main Zone plus 2-channel HDMI output in Zone B
- Zone mutes, Zone volume, tone controls and balance
- Party mode

Eco-Friendly Design

- ECO mode operation for about 20% less power consumption
- * Compared to power consumption when ECO mode is off (fanless measurement)
- Auto power down function with variable time setting
- Low standby power consumption of 0.3W

Powered by music

Technical Data 1

Yamaha RX A4A Manual: Understanding Your Home Theater Receiver

The Yamaha RX A4A is a sophisticated home theater receiver that offers an unprecedented audio experience for both music and movie enthusiasts. This manual is designed to guide you through the features, setup, and troubleshooting of the RX A4A, ensuring you get the most out of your audio-visual investments. With a plethora of options and settings, this receiver can seem overwhelming at first, but with a little guidance, you will be able to navigate its functions effortlessly.

Introduction to the Yamaha RX A4A

The RX A4A is part of Yamaha's AVENTAGE line, which is known for its high quality, durability, and advanced technology. This model includes features that provide an immersive audio experience, such as:

- 8K Ultra HD support: Ensures compatibility with the latest video formats.
- Dolby Atmos and DTS:X: Provides a three-dimensional sound experience.
- MusicCast: Allows for multi-room audio streaming.
- YPAO: Yamaha Parametric room Acoustic Optimizer for automatic sound calibration.

Understanding these core features is essential for maximizing your home theater setup.

Unboxing and Initial Setup

When you first unbox your Yamaha RX A4A, you will find several components and accessories. Here's what to expect:

1. Yamaha RX A4A Receiver
2. Remote Control
3. Power Cable
4. Calibration Microphone
5. User Manual
6. Quick Start Guide

Step-by-Step Connection Guide

Setting up your RX A4A receiver involves connecting various components. Follow these steps for a seamless setup:

1. Position Your Receiver: Choose a location that allows for proper ventilation and accessibility to all your devices.
2. Connect Speakers:
 - Use speaker wire to connect your front, surround, and subwoofer speakers to their respective terminals on the back of the receiver.
 - Ensure that the positive and negative terminals match on both the speakers and the receiver.
3. Connect Video Sources:
 - Use HDMI cables to connect your Blu-ray player, gaming console, or streaming device to the HDMI inputs on the receiver.
 - Connect the receiver's HDMI OUT to your television's HDMI input.
4. Connect the Receiver to Power: Plug in the power cable and turn on the receiver.

5. Run YPAO Calibration:

- Using the included calibration microphone, position it at your primary listening position.
- Access the YPAO setup through the receiver's menu and follow the prompts to optimize your audio settings.

Understanding the User Interface

The RX A4A features an intuitive user interface that simplifies navigation. Here's how to familiarize yourself with its layout:

Front Panel Controls

The front panel includes several important buttons and displays:

- Power Button: Turns the receiver on and off.
- Volume Control: Adjusts the volume level.
- Input Selector: Allows you to switch between different audio/video sources.
- Menu Button: Accesses the receiver's settings and configuration options.

On-Screen Display (OSD)

The OSD provides a visual representation of your settings. To access it:

1. Use the remote control to press the "Setup" button.
2. Navigate through the options using the arrow keys.
3. Press "Enter" to select any options.

Configuring Audio Settings

The Yamaha RX A4A supports various audio formats and settings that can be tailored to your preferences. Here's how to configure them:

Setting Up Surround Sound

To create an immersive surround sound environment:

1. Ensure all speakers are connected properly.
2. Access the speaker configuration through the OSD.
3. Select the type of speaker setup (e.g., 5.1, 7.1).
4. Adjust the distance and level settings for each speaker.

Adjusting Equalizer Settings

Fine-tuning your sound can significantly enhance your listening experience:

1. Access the "Equalizer" settings from the audio menu.
2. Use the frequency sliders to adjust bass and treble levels according to your preference.
3. Save your settings and test the audio for balance.

Using MusicCast for Multi-Room Audio

One of the standout features of the RX A4A is its MusicCast capability, allowing you to stream music across multiple rooms. Here's how to set it up:

1. Download the MusicCast app on your smartphone or tablet.
2. Connect your receiver to your home Wi-Fi network.
3. Open the app and follow the prompts to add the RX A4A to your MusicCast network.
4. Select music sources and choose which rooms to stream to.

Troubleshooting Common Issues

Even with the best setups, you might encounter issues. Here are some common problems and their solutions:

No Sound Output

- Ensure the receiver is powered on.
- Check speaker connections.
- Verify that the correct input source is selected.

HDMI Issues

- Ensure that HDMI cables are securely connected.
- Check that the TV is set to the correct HDMI input.
- Update the firmware if issues persist.

Network Connectivity Problems

- Ensure the receiver is connected to the Wi-Fi network.
- Restart the receiver and router.
- Check for firmware updates.

Maintaining Your Yamaha RX A4A

To ensure your RX A4A performs optimally, regular maintenance is essential. Here are some tips:

1. Keep it clean: Dust can accumulate, affecting performance. Regularly clean the exterior and ensure ventilation areas are clear.
2. Update firmware: Check for updates periodically to improve functionality and fix bugs.
3. Check connections: Periodically inspect cables and connections to avoid any deterioration over time.

Conclusion

The Yamaha RX A4A is a powerful home theater receiver that offers a wide range of features designed for audiophiles and casual listeners alike. By understanding how to set up, configure, and maintain your receiver, you can enjoy immersive sound experiences for years to come. Whether you are watching the latest blockbuster or hosting a music night, the RX A4A provides the versatility and quality required for an outstanding audio-visual experience. Make sure to explore all its features, and don't hesitate to refer back to this manual whenever you need assistance.

Frequently Asked Questions

What is the Yamaha RX-A4A and what are its key features?

The Yamaha RX-A4A is a high-performance AV receiver that offers 9.2 channels, supports 8K video, Dolby Atmos, DTS:X, and features like MusicCast, which allows for multi-room audio streaming.

Where can I find the Yamaha RX-A4A manual?

The Yamaha RX-A4A manual can be found on the official Yamaha website under the support section, where you can download the PDF version for free.

What are the main connectivity options available on the Yamaha RX-A4A?

The Yamaha RX-A4A includes multiple HDMI inputs/outputs, optical and coaxial digital inputs, analog audio inputs, USB ports, and supports wireless connections via Wi-Fi, Bluetooth, and AirPlay.

How do I set up the Yamaha RX-A4A for the first time?

To set up the Yamaha RX-A4A, connect your speakers and devices to the appropriate

inputs, power on the receiver, and follow the on-screen setup guide to configure your preferences and calibrate your system.

Can I control the Yamaha RX-A4A with a smartphone app?

Yes, the Yamaha RX-A4A can be controlled using the MusicCast app, available for both iOS and Android, allowing you to manage settings, streaming, and multi-room audio from your phone.

What are the recommended speaker configurations for the Yamaha RX-A4A?

The Yamaha RX-A4A supports various speaker configurations, including 5.1, 7.1, and 9.1 setups. For optimal performance, it's recommended to use speakers that match the receiver's power output and specifications.

How do I perform firmware updates on the Yamaha RX-A4A?

Firmware updates for the Yamaha RX-A4A can be done via the network. Access the setup menu, navigate to the firmware update section, and follow the prompts to check for and install any available updates.

What should I do if I'm having trouble with my Yamaha RX-A4A?

If you're experiencing issues with your Yamaha RX-A4A, consult the troubleshooting section of the manual, check all connections, and ensure your firmware is up to date. If problems persist, consider contacting Yamaha customer support.

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