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Onkyo TX-RZ50 K

Onkyo TX-RZ50 9.2-Channel 8K/4K Network AV Receiver Instruction Manual

Model: TX-RZ50 K | Brand: Onkyo

1. INTRODUCTION

Thank you for choosing the Onkyo TX-RZ50 9.2-Channel 8K/4K Network AV Receiver. This high-performance receiver is designed to deliver an immersive audio-visual experience, supporting the latest video formats like 8K/4K and advanced audio technologies. It features 9.2 channels of amplification, network connectivity for streaming, and Dirac Live Room Correction for optimized sound in any environment. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new AV receiver.



Image: The Onkyo TX-RZ50 AV Receiver, a sleek black unit, is shown alongside the included H&A Speaker Connector Banana Plugs, which come in both pink and black colors.

2. SAFETY INFORMATION

Please read all safety instructions carefully before operating the unit. Keep this manual for future reference.

- **Power Source:** Connect the unit only to an AC outlet of the voltage specified on the rear panel.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Maintain at least 20 cm (8 inches) of clear space above the unit and 10 cm (4 inches) on the sides.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Onkyo TX-RZ50 9.2-Channel Network AV Receiver
- H&A Speaker Connector Banana Plugs (12 Pairs)
- Power Cord
- Remote Control
- Setup Microphone (for Dirac Live calibration)
- Quick Start Guide
- FM/AM Indoor Antennas



Image: A close-up view of the H&A Speaker Connector Banana Plugs, showing both the pink and black variants with gold-plated tips.

4. SETUP

4.1 Unpacking and Placement

Carefully remove the receiver from its packaging. Place the receiver on a stable, level surface with adequate ventilation. Avoid placing it in an enclosed cabinet without proper airflow.

4.2 Connecting Your Components

Refer to the rear panel diagram for proper connection of your audio and video devices.



9.2 CHANNELS with 11.2 CHANNELS Of Processing Power

Image: The rear panel of the Onkyo TX-RZ50 AV Receiver, displaying a comprehensive array of input and output ports, including multiple HDMI inputs, speaker terminals, and various audio/video connections.

4.2.1 HDMI Connections

Connect your video sources (Blu-ray player, gaming console, streaming device) to the HDMI INPUTs. Connect your TV or projector to the HDMI OUT (MAIN) port. Ensure your TV supports eARC/ARC for simplified audio return from your TV.

4.2.2 Speaker Connections

Connect your speakers to the corresponding speaker terminals on the rear panel. Use the included H&A Banana Plugs for a secure and reliable connection. Pay attention to polarity (+ to + and - to -).

4.2.3 Network Connection

For network features and firmware updates, connect an Ethernet cable to the LAN port or configure Wi-Fi settings through the on-screen menu.

4.2.4 Power Connection

Once all other connections are made, connect the power cord to the receiver and then to a wall outlet.

4.3 Initial Setup and Dirac Live Calibration

Upon first power-on, the receiver will guide you through an initial setup wizard. This includes speaker configuration and network settings. For optimal sound performance, perform the Dirac Live Room Correction using the supplied microphone. This process measures your room's acoustics and calibrates the sound output accordingly.



Image: A graphic illustrating the concept of Dirac Live Room Correction, emphasizing its role in optimizing audio performance within a specific listening environment.

5. OPERATING YOUR RECEIVER

5.1 Basic Operation

- **Power On/Off:** Use the power button on the front panel or the remote control.
- **Volume Control:** Adjust the master volume using the large knob on the front panel or the VOL +/- buttons on the remote.

- **Input Selection:** Press the input selector buttons on the front panel or remote to switch between connected sources (e.g., BD/DVD, GAME, CBL/SAT).

5.2 Sound Modes and Enhancements

The TX-RZ50 supports various sound modes, including THX Certified and IMAX Enhanced, to provide a cinematic audio experience. Explore these modes through the on-screen display menu.



Image: A visual representation highlighting the THX Certified feature, indicating high-fidelity audio performance.

5.3 Network Features

Utilize the receiver's network capabilities to access streaming services like Spotify and Tidal. The TX-RZ50 is also Sonos Certified, allowing seamless integration into a Sonos multi-room audio system.



Image: A graphic displaying the 'Works with SONOS Certified' logo, signifying compatibility with the Sonos ecosystem.

5.4 Gaming and Video Features

Experience ultimate 4K gaming with support for features like VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), and QFT (Quick Frame Transport) for smooth, lag-free gameplay.

ULTIMATE 4K Gaming



Image: A dynamic image depicting a person engaged in 4K gaming, with the Onkyo TX-RZ50 receiver visible, emphasizing its role in an immersive gaming setup.

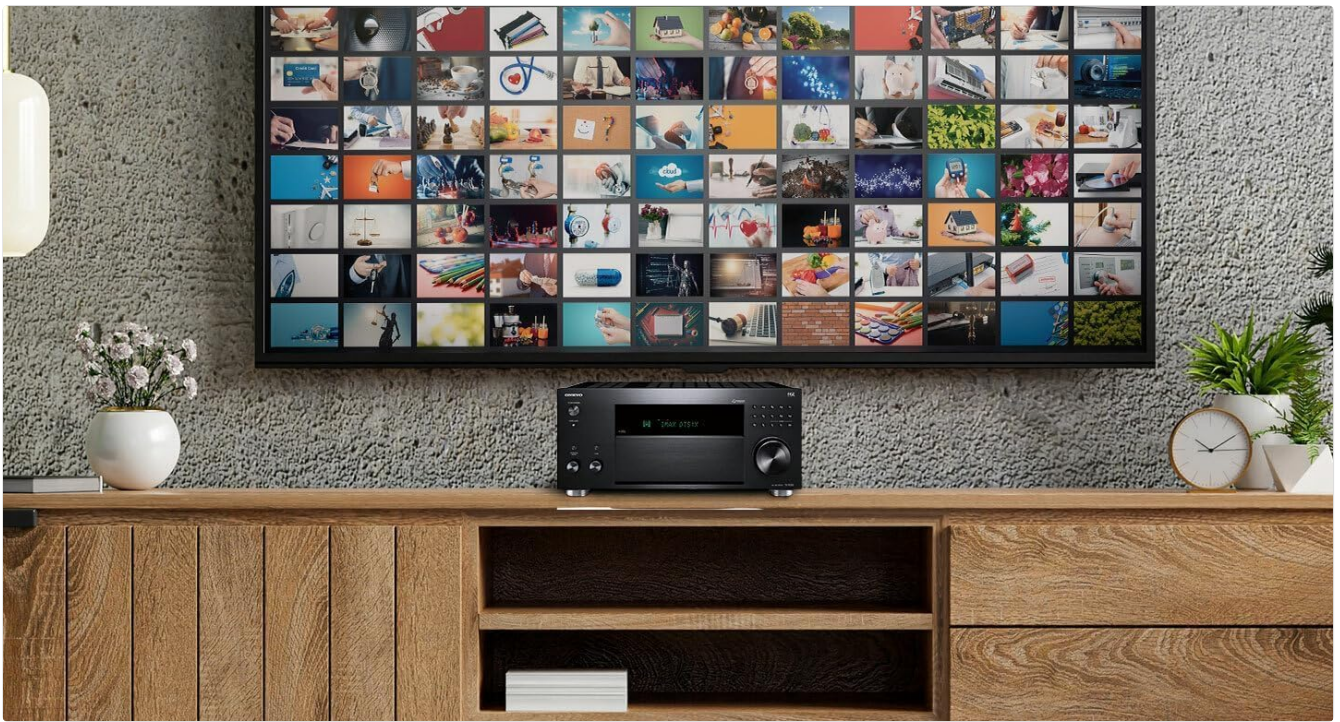


Image: The Onkyo TX-RZ50 AV Receiver neatly positioned on a wooden media console, beneath a large wall-mounted television displaying various media content, showcasing a typical home theater setup.

6. MAINTENANCE

6.1 Cleaning

To clean the unit, first unplug the power cord. Use a soft, dry cloth to wipe the exterior. Do not use abrasive cloths, thinners, alcohol, or other chemical solvents, as these may damage the finish.

6.2 Firmware Updates

Onkyo periodically releases firmware updates to improve performance and add new features. Connect your receiver to the internet and check for updates via the system setup menu. Follow the on-screen instructions carefully during the update process.

7. TROUBLESHOOTING

If you encounter issues with your TX-RZ50, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No Power	Ensure the power cord is securely plugged into the receiver and the wall outlet. Check the power outlet with another device.
No Sound	Check speaker connections and polarity. Verify the correct input source is selected. Ensure volume is not muted or too low. Check audio settings in the receiver menu.
No Video	Ensure HDMI cables are securely connected to both the source and the TV/projector. Verify the correct HDMI input is selected on the receiver and TV. Try a different HDMI cable.
Network Connection Issues	Check Ethernet cable connection or Wi-Fi settings. Restart your router/modem. Ensure correct network password is entered for Wi-Fi.
Remote Control Not Working	Replace batteries. Ensure there are no obstructions between the remote and the receiver's IR sensor.

For more detailed troubleshooting, please consult the full online manual or contact Onkyo support.

8. SPECIFICATIONS

Feature	Specification
Model Number	TX-RZ50 K
Output Power	250 Watts Per Channel (at 6 Ohms)
Surround Sound Channel Configuration	9.2 Channels
Video Encoding Support	H.264, H.265/HEVC, VP9
Connectivity Technology	HDMI, Wi-Fi, Ethernet, Bluetooth
Special Features	8K/4K Pass-through, Dirac Live Room Correction, Spotify, Tidal, THX Certified, IMAX Enhanced, Sonos Certified
Compatible Devices	Headphones, various audio/video sources
HDMI Ports	Multiple HDMI inputs (7 In / 2 Out)
Audio Output Mode	Multi-channel surround sound, Stereo
Manufacturer	Onkyo
Date First Available	September 10, 2024

9. WARRANTY AND SUPPORT

Your Onkyo TX-RZ50 AV Receiver comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, service, or warranty claims, please visit the official Onkyo website or contact their customer service department. Keep your proof of purchase for warranty validation.

Onkyo Official Website: www.onkyo.com