GRADO RS2x

GRADO RS2x Reference Series Open-Back Headphones User Manual

Model: RS2x

INTRODUCTION

This manual provides essential information for the proper use and care of your GRADO RS2x Reference Series Open-Back Headphones. The RS2x headphones are designed for high-fidelity audio reproduction, featuring a blend of maple and hemp wood chambers and custom 44mm X Drivers. Each pair is hand-assembled to deliver a detailed and warm sound signature.

Please read these instructions thoroughly before using your headphones to ensure optimal performance and longevity.

PRODUCT OVERVIEW

The GRADO RS2x headphones are engineered for an immersive listening experience, combining traditional craftsmanship with advanced audio technology.

- **Reference-Grade Audio Performance:** Equipped with 44mm X Series drivers for balanced, transparent sound.
- **Natural Maple & Hemp Wood Design:** Hand-matched wood housing enhances warmth, clarity, and resonance.
- **Hand-Assembled in Brooklyn, NY:** Each pair is meticulously built, continuing a legacy of handcrafted audio gear.
- **Open-Back Design:** Provides a wide, three-dimensional soundstage, ideal for home listening.
- **Comfortable and Lightweight:** Features plush cushions, a braided cable, and a durable frame for extended listening.

Figure 1: Front view of the GRADO RS2x Reference Series Open-Back Headphones, showcasing the maple and hemp wood earcups, black foam cushions, and leather headband.

PACKAGE CONTENTS

Verify that all items are present in the package:

- GRADO RS2x Reference Series Open-Back Headphones
- Attached Audio Cable (8-conductor braided)
- Adjustable Leather Headband

SETUP

Connecting to an Audio Source

1. Locate the 3.5mm audio jack on your audio source (e.g., cellphone, laptop, desktop computer, amplifier).
2. Insert the 3.5mm plug of the headphone cable firmly into the audio jack of your device.
3. Ensure the connection is secure to prevent audio interruptions.

Identifying Left and Right Channels

The headphones are marked for proper channel orientation:

- The left earcup is marked with an **'L'**.
- The right earcup is marked with an **'R'**.

Figure 2: Close-up of the left earcup, showing the 'L' indicator on the headband adjustment.

Figure 3: Close-up of the right earcup, showing the 'R' indicator on the headband adjustment.

WEARING THE HEADPHONES

1. **Adjust the Headband:** Gently slide the earcups up or down along the metal rods until the headband rests comfortably on the top of your head and the ear cushions sit evenly over your ears.

2. **Position the Earcups:** Ensure the foam cushions fully cover your ears for optimal sound and comfort. The open-back design means some sound will naturally leak out, and external sounds may be audible.

Figure 4: Side view of an earcup, illustrating the maple and hemp wood construction and the headband adjustment mechanism.

OPERATING INSTRUCTIONS

Audio Playback

1. Connect the headphones to your audio source as described in the Setup section.
2. Start audio playback on your connected device.
3. Adjust the volume using the controls on your audio source. Begin with a low volume and gradually increase it to a comfortable listening level.

The GRADO RS2x headphones do not feature integrated media controls or a remote on the cable. All playback and volume adjustments are managed directly from your connected audio device.

CARE AND MAINTENANCE

Proper care will help maintain the performance and appearance of your headphones.

- **Cleaning:** Use a soft, dry cloth to wipe the wood and leather surfaces. For the foam ear cushions, gently pat them with a slightly damp cloth if necessary, and allow them to air dry completely. Avoid using harsh chemicals or abrasive materials.
- **Cable Care:** Avoid sharp bends or excessive pulling on the cable. Store the cable neatly when not in use.
- **Storage:** Store your headphones in a clean, dry place away from direct sunlight and extreme temperatures.
- **Water Resistance:** These headphones are **not water resistant**. Avoid exposure to moisture, rain, or liquids.

TROUBLESHOOTING

If you encounter issues with your GRADO RS2x headphones, refer to the following common solutions:

- **No Sound:**

  - Ensure the 3.5mm audio plug is fully inserted into the audio source.
  - Check the volume level on your audio source and ensure it is not muted.
  - Test the headphones with a different audio source to rule out device issues.

- **Distorted or Poor Sound Quality:**

  - Verify the audio cable connection is secure.
  - Ensure the audio source's volume is not set too high, causing clipping or distortion.
  - Check if the audio file or streaming quality is sufficient.

- **Discomfort During Use:**

  - Adjust the headband and earcup position to find a comfortable fit.
  - Take breaks during long listening sessions.

If problems persist, contact GRADO customer support for further assistance.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	RS2x
Connectivity Technology	Wired
Headphones Jack	3.5 mm Jack
Ear Placement	Over Ear
Form Factor	Over Ear
Audio Driver Type	Dynamic Driver
Audio Driver Size	44 Millimeters
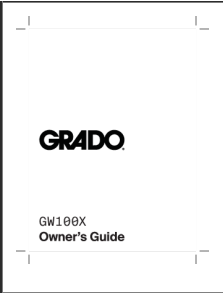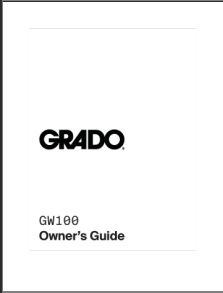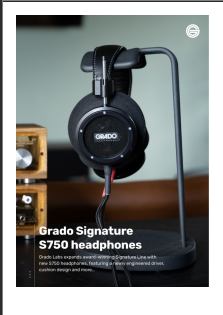
Frequency Range	14 - 28,000 Hz
Impedance	38 Ohm
Material	Wood (Maple & Hemp)
Item Weight	14.4 ounces
Water Resistance Level	Not Water Resistant

WARRANTY AND SUPPORT

GRADO products are known for their quality and craftsmanship. For specific warranty details, please refer to the documentation included with your purchase or visit the official GRADO website.

If you require technical support, service, or have questions regarding your GRADO RS2x headphones, please contact GRADO customer service directly. Contact information can typically be found on the manufacturer's website or in your product packaging.

Related Documents - RS2x

GRADO GW100X Owner's Guide	[Grado GW100X Wireless Headphones Owner's Guide](#) Comprehensive owner's guide for the Grado GW100X wireless headphones, detailing setup, controls, specifications, safety, and compliance. Learn how to connect, manage calls and music, and understand the features of your Grado GW100X.
GRADO GW100 Owner's Guide	[Grado GW100 Wireless Headphones Owner's Guide	Setup, Controls, and Specifications](#) Comprehensive owner's guide for Grado GW100 wireless headphones. Learn about setup, features, controls, specifications, and safety information for your Grado headphones.
Grado Signature S750 headphones	[Grado Signature S750 Headphones: Premium Sound & Comfort](#) Explore the Grado Signature S750 headphones by Grado Labs. Featuring a new S2 driver, advanced Grado B cushion, and premium aluminium construction for exceptional audio fidelity and long-lasting comfort.

[Grado Labs Announces New Signature S750 Headphones](#)
Grado Labs introduces the award-winning Signature S750 headphones, featuring a newly engineered S2 driver, the innovative Grado B cushion, and an enhanced detachable cable system. This press release details the product's design, technology, and specifications.

[Grado GW100 Bluetooth Headphone FCC Test Report](#)
FCC test report for the Grado GW100 Bluetooth Headphone, detailing compliance with FCC Part 15 Subpart C 15.249 and 15.209 regulations. Includes radiated emission, band edge, bandwidth, and conducted emission test results performed by Shenzhen HUAK Testing Technology Co., Ltd.

[Build Your Own Hi-Fi Headphones: A DIY Guide](#)
Learn how to build high-fidelity headphones from scratch, rivaling expensive models, with this comprehensive DIY guide. Includes materials, tools, step-by-step instructions, and tips for tuning sound quality. Aimed at DIY enthusiasts looking for cost-effective audio solutions.