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AKG K52

AKG K52 Headphones User Manual

Professional Over-Ear, Closed-Back Headphones

1. Introduction

The AKG K52 headphones are engineered to deliver exceptional sound quality and comfort for extended listening sessions. Featuring professional-grade components and a durable design, these headphones are ideal for studio monitoring, mixing, and general high-fidelity audio enjoyment. Their closed-back design ensures excellent sound isolation, allowing you to focus on your audio without distractions.





Figure 1: Front view of the AKG K52 Headphones.

2. Setup

Connecting your AKG K52 headphones is straightforward. The headphones come with a fixed 2.5-meter (8.2-foot) cable terminated with a 3.5mm (1/8-inch) plug. A snap-on 6.3mm (1/4-inch) adapter is included for compatibility with a wider range of audio equipment.

2.1 Connecting to an Audio Source

1. Identify the audio output port on your device (e.g., computer, audio interface, portable music player).
2. If your device has a 3.5mm jack, simply insert the headphone's 3.5mm plug directly.
3. If your device requires a 6.3mm (1/4-inch) connection, attach the included snap-on adapter to the 3.5mm plug before inserting it into the device's port.



Figure 2: Close-up of the AKG K52 Headphones showing the fixed cable and adapter compatibility.

3. Operating the Headphones

The AKG K52 headphones are designed for ease of use and comfort during prolonged periods.

3.1 Wearing the Headphones

- Place the earcups over your ears, ensuring they fully enclose your ears for optimal sound isolation and comfort.
- The unique self-adjusting headband automatically conforms to your head shape, providing a personalized and secure fit without manual adjustments.

3.2 Sound Isolation

The closed-back design of the K52 headphones, combined with a new acoustic chamber between the ear cup and hinge, effectively eliminates audio leakage. This feature ensures that your audio remains private and minimizes external noise interference, making them suitable for environments where sound isolation is crucial.

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Video 1: Official product video showcasing the AKG K52 Professional Headphones and their features.

4. Features and Benefits

4.1 Professional Sound Quality

- **40mm Drivers:** Deliver solid bass, well-defined mids, and clear highs, ensuring accurate audio reproduction.
- **Extended Frequency Response:** A wide range of 18Hz - 20kHz captures every detail of your audio.
- **High Sensitivity:** With 110 dB SPL/V @ 1 kHz, these headphones provide powerful output.
- **Low-Impedance Design:** Ensures compatibility with a broad range of playback devices, from professional studio gear to portable music players.

4.2 Exceptional Comfort

- **Self-Adjusting Headband:** Automatically creates the perfect fit for any head size, eliminating the need for manual adjustments.
- **Lightweight Construction:** The exposed headband design keeps the headphones comfortably light, reducing fatigue during long sessions.
- **Breathable Ear Pads:** Encircles your ears without putting pressure on them, enhancing comfort.
- **Replaceable Ear Pads:** Designed for longevity, ear pads can be replaced to protect your investment.

4.3 Durable Design

- **Professional Build Quality:** Constructed to withstand rigorous use, ensuring long-term reliability.
- **Closed-Back Design:** Maximizes isolation, preventing audio bleed and maintaining privacy.
- **Single-Sided Cable:** A 2.5m (8.2') fixed cable provides ample length and reduces tangles.



Figure 3: Front view highlighting the self-adjusting headband and earcup design.



Figure 4: Back view of the headphones, showing the robust construction.

5. Specifications

Feature	Specification
Driver Size	40 mm
Frequency Response	18 Hz - 20 kHz
Sensitivity	110 dB SPL/V @ 1 kHz
Rated Impedance	32 Ω
Maximum Input Power	200 mW
Cable Length	2.5 m (8.2 ft)
Audio Interface	3.5 mm (1/8") plug with 6.3 mm (1/4") adapter
Weight	200 g (7.05 oz)
Finish	Matte Black
Ear Placement	Over-Ear
Cup Style	Closed-Back

6. Maintenance

Proper maintenance ensures the longevity and performance of your AKG K52 headphones.

6.1 Cleaning

- Wipe the exterior surfaces of the earcups and headband with a soft, dry cloth.
- For stubborn dirt, slightly dampen the cloth with water or a mild, non-abrasive cleaner. Avoid excessive moisture.
- Do not use harsh chemicals or solvents, as these can damage the finish and materials.

6.2 Earpad Replacement

The ear pads are designed to be replaceable, extending the life of your headphones. If the ear pads show signs of wear or damage, contact AKG support or an authorized dealer for replacement options and instructions.

7. Troubleshooting

If you encounter issues with your AKG K52 headphones, refer to the following common problems and solutions:

- **No Sound:**
  - Ensure the headphone 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 Sound:**
  - Reduce the volume level on your audio source.
  - Ensure the audio file or stream is of good quality.
  - Check for any damage to the cable or plug.
- **Discomfort During Use:**
  - Ensure the earcups are positioned correctly over your ears. The self-adjusting headband should provide a comfortable fit automatically.
  - Take short breaks during extended listening sessions.
  - Consider replacing worn ear pads if they are causing discomfort.

8. What's in the Box

- 1 x AKG K52 Headphones
- 1 x Snap-on 3.5 mm (1/8-inch)-to-6.3 mm (1/4-inch) Adaptor

9. Warranty and Support

AKG products are built to high standards and undergo rigorous testing. For detailed warranty information and customer support, please refer to the warranty card included with your product or visit the official AKG website. You can also find additional resources and FAQs on the AKG support pages.
For further assistance, please contact AKG customer service through their official website or authorized service centers.

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