AKG K701

AKG K 701 Ultra Reference Class Stereo Headphones User Manual

Model: K701

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your AKG K 701 Ultra Reference Class Stereo Headphones. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.
The AKG K 701 headphones are designed for critical listening applications, offering an extremely accurate and detailed sound reproduction with excellent transient response.

2. Product Features

- Revolutionary flat-wire voice coil for higher sensitivity and improved impulse and treble response.
- Extremely accurate and detailed sound with excellent transient response.
- Durable construction with premium components and unbreakable metal arches, designed for comfort.
- Open-back design for a wide soundstage and natural listening experience.
- Comfortable over-ear fit with a full-leather headband.



Figure 1: AKG K 701 Ultra Reference Class Stereo Headphones, showcasing the white earcups, grey metal arches, and brown leather headband.

3. Setup

1. **Unpacking:** Carefully remove the headphones from their packaging. Inspect for any signs of damage.
2. **Cable Connection:** The AKG K 701 features a fixed cable. Connect the 3.5 mm jack to your audio source. An adapter for 6.3 mm ports is typically included for compatibility with a wider range of audio equipment.
3. **Headband Adjustment:** The headphones feature an elastic mechanism that automatically adjusts the headband for a comfortable fit. Place the headphones on your head, ensuring the earcups fully enclose your ears. The "L" and "R" markings on the inside of the headband indicate the left and right channels, respectively.
4. **Source Compatibility:** For optimal performance, it is recommended to use the K 701 with a dedicated headphone amplifier or a high-quality audio source capable of driving headphones with an impedance of 62 Ohms. While they can be used with standard audio ports, a dedicated amplifier will ensure full dynamic range and clarity.

4. Operating Instructions

Once connected to your audio source and properly adjusted, the AKG K 701 headphones are ready for use.

- **Volume Control:** Adjust the volume directly from your audio source or amplifier. The K 701 headphones do not feature inline volume controls.
- **Listening Environment:** As open-back headphones, the K 701 allows some ambient sound to enter and some sound to escape. This design contributes to their wide soundstage and natural sound reproduction, making them ideal for quiet listening environments.
- **Break-in Period:** Some users report that the sound quality of high-fidelity headphones improves after an initial "break-in" period of several hours of use. This is a subjective observation and not a technical requirement.

5. Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces of the headphones. Avoid using harsh chemicals or abrasive materials.
- **Earpads:** The velour earpads can accumulate dust and debris. Gently brush them with a soft brush or use a lint roller. For deeper cleaning, consult AKG's official support for recommended methods or replacement options.
- **Storage:** When not in use, store the headphones in a clean, dry place, away from direct sunlight and extreme temperatures. Avoid placing heavy objects on them.
- **Cable Care:** Avoid sharply bending or twisting the cable. Do not pull on the cable to disconnect the headphones from the audio source; always grasp the plug.
- **Water Resistance:** These headphones are not water-resistant. Avoid exposure to moisture or liquids.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound or low volume	Cable not fully connected. Audio source volume too low. Incorrect audio output selected on source. Source device not powerful enough.	Ensure the 3.5 mm (or 6.3 mm adapter) plug is securely inserted into the audio source. Increase the volume on your audio source or amplifier. Verify the correct audio output is selected on your device. Consider using a dedicated headphone amplifier for optimal performance.
Sound only in one earcup	Loose cable connection. Audio balance setting on source. Internal cable damage (rare).	Check cable connection at both the headphones and the audio source. Verify audio balance settings on your device are centered. If the issue persists, contact AKG customer support.
Distorted sound	Volume too high, causing clipping. Poor quality audio source or file.	Reduce the volume. Ensure you are using high-quality audio files and a reliable audio source.

7. Specifications

- **Model:** K701
- **Brand:** AKG
- **Ear Placement:** Over Ear

- **Connectivity Technology:** Wired
- **Audio Driver Type:** Dynamic Driver
- **Frequency Range:** 10 Hz to 39.8 kHz
- **Headphones Jack:** 3.5 mm Jack (with 6.3 mm adapter)
- **Cable Length:** 9 Feet (approximately 2.7 meters)
- **Item Weight:** 8.2 Ounces (approximately 232 grams)
- **Special Feature:** Full-Leather headband
- **Color:** White
- **Water Resistance Level:** Not Water Resistant

8. Warranty and Support

AKG products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions applicable to your region, please refer to the warranty card included with your product or visit the official AKG website. For technical support, service, or replacement parts, please contact AKG customer service through their official website or authorized service centers. Please have your product model number (K701) and proof of purchase available when seeking support.

Online Resources: For additional information, FAQs, and support, please visit the officialAKG website.

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Question

Example: How do I reset this device or fix this error?

Details

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