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Sennheiser HD6XX

Sennheiser HD6XX Open Back Professional Headphones

User Manual

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1. INTRODUCTION

The Sennheiser HD6XX are open-back, dynamic headphones designed for professional audio applications and critical listening. These headphones feature a midnight blue finish and are engineered to deliver a detailed and accurate sound experience. This manual provides essential information for the proper setup, operation, and maintenance of your HD6XX headphones.



Image: The Sennheiser HD6XX headphones displayed on a stand, showcasing their open-back design and midnight blue finish.

2. PACKAGE CONTENTS

Please check that all items listed below are included in your package:

- Sennheiser HD6XX Open Back Professional Headphones
- Detachable 6-foot (1.8 m) audio cable with 3.5 mm connector



Image: The retail packaging for the Sennheiser HD6XX headphones, indicating the model number.

3. SETUP

3.1 Connecting the Cable

1. Identify the left (L) and right (R) connectors on the detachable audio cable.
2. Align the L connector with the left earcup input and the R connector with the right earcup input.
3. Gently push each connector firmly into its respective input until it clicks into place.
4. Connect the 3.5 mm plug of the cable to your audio source (e.g., headphone amplifier, audio interface, computer, or mobile device).



Image: The Sennheiser HD6XX headphones shown with their detachable audio cable and a 3.5mm to 6.3mm adapter, illustrating the connection points.

3.2 Wearing the Headphones

For optimal sound quality and comfort, ensure the headphones are worn correctly:

- Adjust the headband so that the earcups sit comfortably over your ears. The earcups are designed to fully enclose your ears.
- Ensure the left (L) and right (R) indicators on the earcups correspond to your left and right ears.
- The open-back design allows for natural sound reproduction and a wide soundstage, but also means sound can be heard by others nearby and external sounds are not fully blocked.



Image: A close-up view of the plush earcups and open-back grille of the Sennheiser HD6XX headphones, highlighting their comfortable design.

4. OPERATING INSTRUCTIONS

Once connected to an audio source, the Sennheiser HD6XX headphones are ready for use. Adjust the volume directly from your connected audio device. Due to their 300 Ohm impedance, these headphones benefit from a dedicated headphone amplifier for optimal performance and volume levels, especially with lower-power sources.

The open-back design provides a natural, spacious sound. Be aware that these headphones do not offer noise cancellation and will allow ambient sounds to pass through, while also allowing some sound to escape.

5. MAINTENANCE

5.1 Cleaning

- Use a soft, dry cloth to clean the exterior surfaces of the headphones.
- For ear pads, gently wipe with a slightly damp cloth if necessary, and allow to air dry completely before use.
- Do not use harsh cleaning agents, solvents, or abrasive materials, as these can damage the headphones.

5.2 Storage

- Store the headphones in a clean, dry place away from direct sunlight and extreme temperatures.
- Avoid placing heavy objects on the headphones to prevent damage.
- When transporting, consider using a protective case to safeguard against impacts.

6. TROUBLESHOOTING

If you encounter issues with your Sennheiser HD6XX headphones, refer to the following common solutions:

- **No Sound:** Ensure the audio cable is securely connected to both the headphones and the audio source. Verify that the audio source is powered on and playing audio, and that its volume is turned

up. Test with a different audio source or cable if possible.

- **Sound from One Side Only:** Check the cable connections at both earcups and the audio source. Ensure the L/R connectors are correctly inserted. Test with a different audio source or cable.
- **Low Volume:** Increase the volume on your audio source. For optimal performance, especially with high-impedance headphones like the HD6XX (300 Ohm), a dedicated headphone amplifier is recommended.
- **Distorted Sound:** Reduce the volume on your audio source. Ensure the audio cable is not damaged. Test with a different audio source.

7. SPECIFICATIONS

Feature	Detail
Model	HD6XX
Brand	Sennheiser
Color	Midnight Blue
Transducer Principle	Open, Dynamic
Frequency Response	10 Hz – 41 kHz
Nominal Impedance	300 Ohm
Total Harmonic Distortion (THD)	<0.05%
Cable Length	6 ft (1.8 m)
Connector	3.5 mm Jack (detachable)
Weight (without cable)	9.2 oz (260 g)
Material	Plastic, Fabric
Water Resistance Level	Not Water Resistant
UPC	615104293526

8. WARRANTY AND SUPPORT

Sennheiser products are covered by a manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official Sennheiser website.

For technical support, service, or replacement parts, please contact Sennheiser customer service through their official website or authorized service centers. Ensure you have your product model (HD6XX) and proof of purchase available when seeking support.