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Model: HD 650 (508825)

Brand: Sennheiser Pro Audio

INTRODUCTION

The Sennheiser HD 650 headphones are designed for audiophiles seeking a truly unique natural sound experience. With exceptional sound quality and comfort, these headphones are a masterpiece for the most demanding listeners. This manual provides essential information for setting up, operating, and maintaining your HD 650 headphones.



Figure 1: Front view of the Sennheiser HD 650 Audiophile Headphones.

WHAT'S IN THE BOX

Ensure all components are present before proceeding with setup:

- Sennheiser HD 650 Headphones
- 1 adaptor to 1/4" (6.3 mm)
- Detachable connecting cable (OFC copper, Kevlar-reinforced)

SETUP

Connecting the Headphones

1. Identify the "L" (left) and "R" (right) markings on the earcups.
2. Align the connectors with the corresponding ports on the bottom of each earcup.
3. Gently push the connectors into the earcups until they click securely into place.
4. Connect the 3.5mm jack of the cable to your audio source (e.g., amplifier, DAC, music player).
5. If your audio source requires a 1/4" (6.3 mm) connection, attach the provided adaptor to the 3.5mm jack.



Figure 2: Close-up view of the HD 650 earcup, showing the model label and cable connection point.

OPERATING INSTRUCTIONS

Wearing the Headphones

For optimal sound quality and comfort, follow these steps:

1. Identify the "R" (right) and "L" (left) markings on the earcups.
2. Place the headphones on your head, ensuring the correct earcup is on each ear.
3. Adjust the headband by gently pulling the earcups down until they rest comfortably over your ears.
4. Ensure that the earcups are not covered by hair or clothing, as this can affect sound quality.



Figure 3: Top-down view of the HD 650 headphones, showing the headband and earcup orientation.

Audio Playback

Once connected and worn correctly, begin audio playback from your source device. The HD 650 headphones are designed to deliver a balanced and transparent sound, optimized for hi-resolution recordings.

MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the headphones. Do not use liquid cleaners or solvents.
- **Storage:** Store the headphones in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or excessive pulling on the cable to prevent damage. The cable is detachable and can be replaced if necessary.
- **Earpads:** The velour earpads are designed for comfort and can be replaced if they show signs of wear.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or low volume	Cable not properly connected. Audio source volume too low or muted. Incorrect adaptor used.	Ensure cable is securely connected to both headphones and audio source. Increase volume on audio source and check mute settings. Verify the correct 3.5mm or 1/4" adaptor is used for your source.
Distorted sound	Audio source volume too high. Damaged cable. Improper connection.	Reduce volume on audio source. Inspect cable for damage; replace if necessary. Ensure all connections are firm.
Uncomfortable fit	Headband not adjusted correctly. Earpads worn out.	Adjust headband for a comfortable fit over your ears. Consider replacing earpads if they are flattened or damaged.

SPECIFICATIONS

Feature	Detail
Model Name	HD 650
Connectivity Technology	Wired
Headphones Jack	3.5 mm Jack
Frequency Range	10 Hz - 41,000 Hz

Feature	Detail
Sensitivity	103 dB
Item Weight	9.1 ounces (260 g)
Product Dimensions	12.4 x 10 x 4.33 inches
Material	Aluminum, Plastic
Ear Placement	Over Ear
Audio Driver Type	Dynamic Driver
Audio Driver Size	42 Millimeters
Cable length	118 inches

WARRANTY INFORMATION

The Sennheiser HD 650 headphones are covered by a **2-year international warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official Sennheiser website or contact customer support.

SUPPORT AND ADDITIONAL RESOURCES

For further assistance or to download the full user manual, please visit the official Sennheiser support page or refer to the PDF document provided:

- [Download User Manual \(PDF\)](#)
- [Visit the Sennheiser Store on Amazon](#)

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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