

beyerdynamic 459046

Beyerdynamic DT 770 Pro Studio Headphones User Manual

Model: DT 770 PRO (250 OHM) | Brand: beyerdynamic

INTRODUCTION

The Beyerdynamic DT 770 Pro 250 ohm Closed-back Studio Mixing Headphones are designed for professional audio monitoring and mixing. These closed dynamic headphones provide a pure and high-resolution sound, making them ideal for studio environments and mobile use. With a nominal sound pressure level of 96 dB, they deliver clear and accurate audio reproduction.

WHAT'S IN THE BOX

- Beyerdynamic DT 770 Pro Headphone
- Protective Case
- 6.35 mm Jack Adapter

KEY FEATURES

- Closed over-ear design for professional mixing in the studio.
- Delivers pure and high-resolution sound, perfect for studio recordings.
- Soft, circumaural, and replaceable velour ear pads ensure high wearing comfort during extended use.
- Hard-wearing, durable, and robust workmanship, proudly Made in Germany.
- Features a practical single-sided 3.0m coiled cable for flexible movement.

SETUP GUIDE

Follow these steps to set up your Beyerdynamic DT 770 Pro headphones:

1. **Unpack:** Carefully remove the headphones, protective case, and 6.35 mm jack adapter from the packaging.
2. **Inspect:** Check the headphones and cable for any visible damage.
3. **Connect:**
 - For devices with a 3.5 mm headphone jack, connect the headphone's integrated 3.5 mm plug directly.
 - For devices with a 6.35 mm (1/4 inch) jack, screw the included 6.35 mm adapter onto the 3.5 mm plug of the headphone. Ensure it is securely fastened.
4. **Adjust Fit:** Place the headphones over your ears. Adjust the headband length on both sides until the ear cups comfortably enclose your ears and the headband rests gently on your head. The soft velour ear pads are designed for extended comfort.
5. **Cable Management:** The single-sided coiled cable provides flexibility. Ensure the cable is not tangled or under strain during use.





Image: Front view of the Beyerdynamic DT 770 Pro headphones, showcasing their robust design and velour ear pads.

OPERATING INSTRUCTIONS

The DT 770 Pro headphones are designed for straightforward operation in professional and personal audio setups.

1. **Audio Source Connection:** Ensure your headphones are properly connected to your audio interface, mixing console, amplifier, or other audio source.
2. **Volume Control:** Adjust the volume directly on your audio source. Start with a low volume and gradually increase it to a comfortable listening level. Avoid excessively high volumes to prevent hearing damage and preserve headphone longevity.
3. **Monitoring:** These headphones are ideal for critical listening, mixing, and monitoring. Their closed-back design provides excellent sound isolation, minimizing external noise interference and preventing sound leakage during recording sessions.
4. **Comfort:** The velour ear pads and adjustable headband allow for comfortable wear during long sessions. Periodically readjust if needed to maintain comfort.



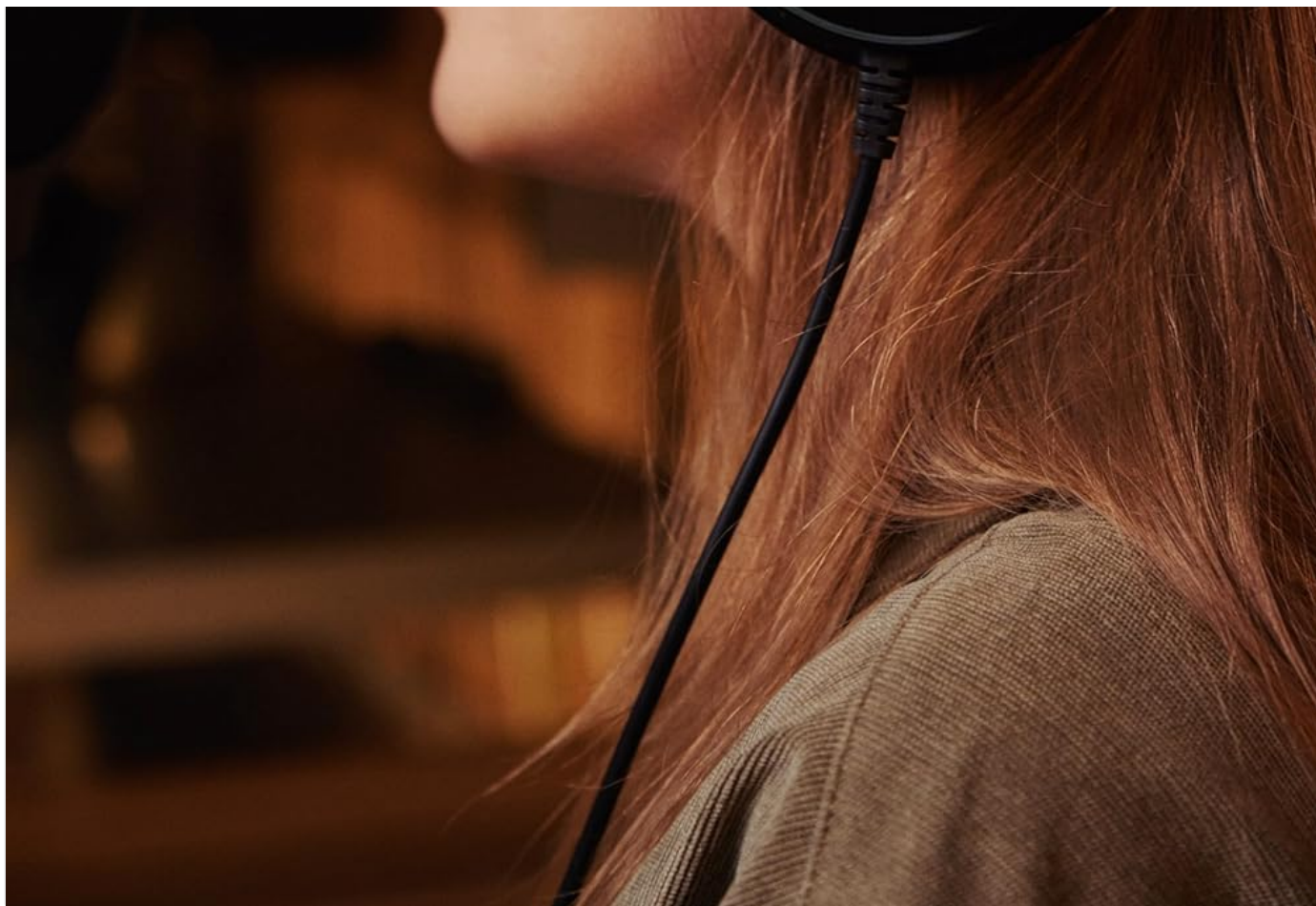


Image: A person wearing the DT 770 Pro headphones, demonstrating their use in a studio environment for audio monitoring.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DT 770 Pro headphones.

- **Cleaning Ear Pads:** The velour ear pads are replaceable and can be gently hand-washed with mild soap and lukewarm water. Allow them to air dry completely before reattaching. Regular cleaning helps maintain hygiene and comfort.
- **Headband Care:** Wipe the headband with a soft, damp cloth. Avoid harsh chemicals.
- **Cable Care:** The coiled cable is durable, but avoid sharp bends or excessive pulling. Store the cable neatly when not in use to prevent tangles and damage.
- **Storage:** When not in use, store the headphones in the provided protective case to shield them from dust, moisture, and physical impact.
- **General Cleaning:** Use a soft, dry cloth to wipe down the exterior of the ear cups and other surfaces. Do not use abrasive cleaners or solvents.



Image: Close-up of hands demonstrating the removable velour ear pads on the DT 770 Pro headphones, highlighting their ease of maintenance.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Sound	Loose cable connection. Audio source volume too low or muted. Incorrect audio output selected on device. Damaged cable or headphone.	Ensure the 3.5mm plug (and 6.35mm adapter if used) is fully inserted into the audio source. Increase volume on your audio source and check if it's muted. Verify your device's audio settings are routing sound to the correct output. Test with another audio source or cable if possible. If still no sound, contact support.
Distorted Sound / Poor Quality	Volume too high, causing clipping. Improper impedance match (less common for 250 Ohm with professional gear). Damaged audio file or source. Dirty headphone jack.	Reduce the volume on your audio source. Ensure your audio source can adequately drive 250 Ohm headphones. An amplifier may be needed for some consumer devices. Try a different audio file or source. Clean the headphone jack on your device.
Uncomfortable Fit	Headband not adjusted correctly. Ear pads worn out or dirty.	Adjust the headband sliders for a snug yet comfortable fit. Clean or replace the velour ear pads if they are matted or damaged.

TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	DT 770 PRO
Impedance	250 Ohm
Ear Placement	Over Ear
Form Factor	Over Ear
Connectivity Technology	Wired
Noise Control	Sound Isolation (Closed-back)
Sensitivity	96 dB
Frequency Range	5 - 35000 Hz
Cable Length	3 Meters (Coiled)
Headphones Jack	3.5 mm Jack (with 6.35 mm adapter)
Material	Steel (headband frame)
Item Weight	10.2 ounces
Manufacturer	beyerdynamic
Country of Origin	Germany

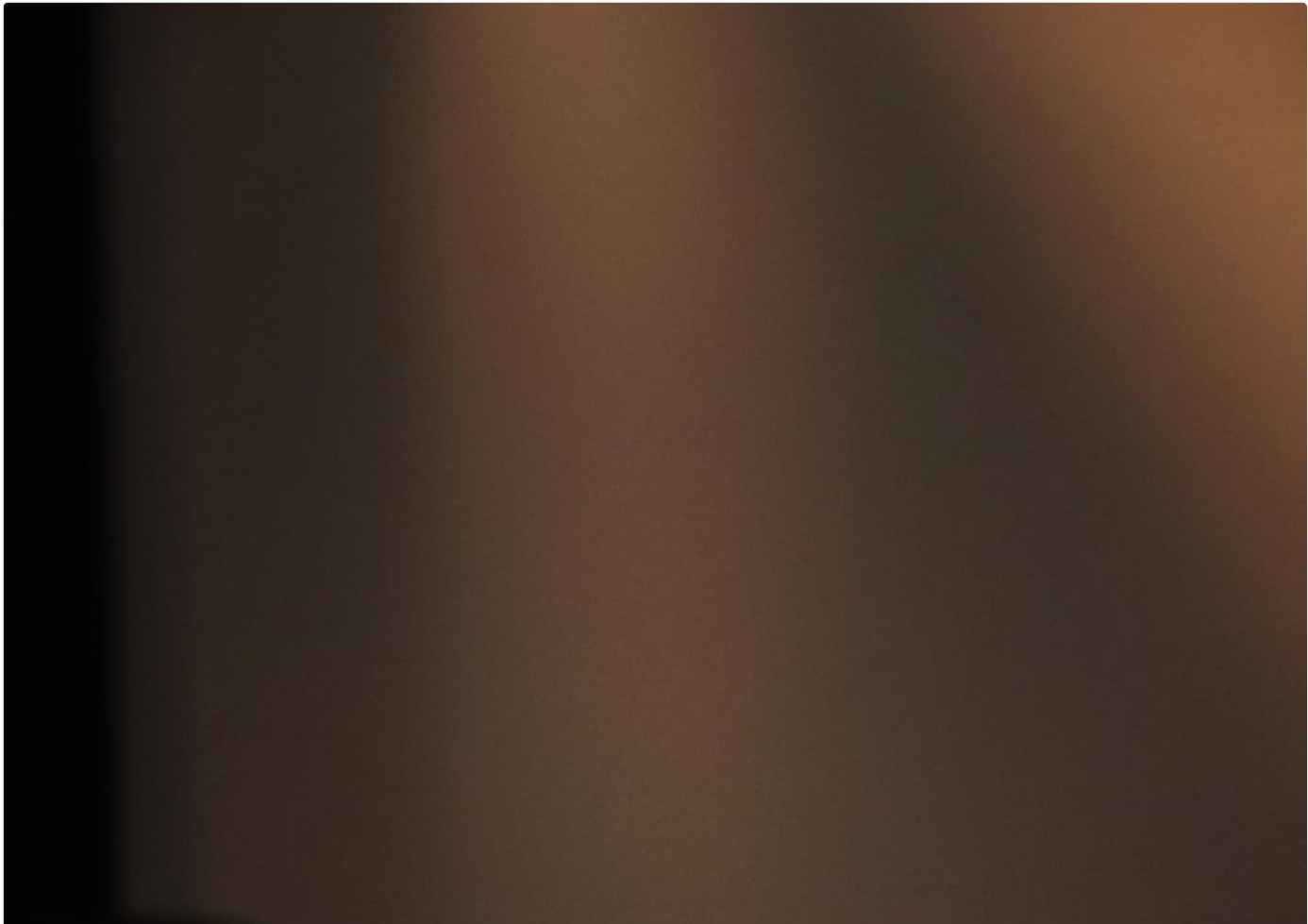




Image: The DT 770 Pro headphones positioned on a piano, illustrating their professional application.

WARRANTY AND SUPPORT

Beyerdynamic products are known for their robust and durable workmanship, being "Made in Germany." For specific warranty details and support inquiries, please refer to the official Beyerdynamic website or the full user manual.

A comprehensive user manual in PDF format is available for download: [Download User Manual \(PDF\)](#)

For further assistance, you may contact Beyerdynamic customer support directly via their official channels.

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