

beyerdynamic DT 900 PRO X

Instruction Manual

BEYERDYNAMIC DT 900 PRO X OPEN-BACK STUDIO HEADPHONES

1. Introduction

The beyerdynamic DT 900 PRO X are open-back studio headphones engineered for critical listening, mixing, and mastering. They deliver clear, immersive audio with a wide, natural soundstage and detailed spatial imaging, supporting confident real-world mix decisions. The balanced, neutral tuning and open-back design preserve a natural sense of space and room awareness.

Featuring the STELLAR.45 driver, these headphones provide premium studio sound with a wide 5–40,000 Hz frequency range and low 48-ohm impedance, ensuring consistent performance across various playback devices. Designed and manufactured in Germany, they offer outstanding dynamics, extremely low distortion, and exceptional detail accuracy.

The DT 900 PRO X headphones prioritize comfort for extended sessions with soft, circumaural, and replaceable velour ear pads. Their snug yet relaxed fit allows users to focus on sound without distraction, providing reliability and comfort for professionals and enthusiasts alike.

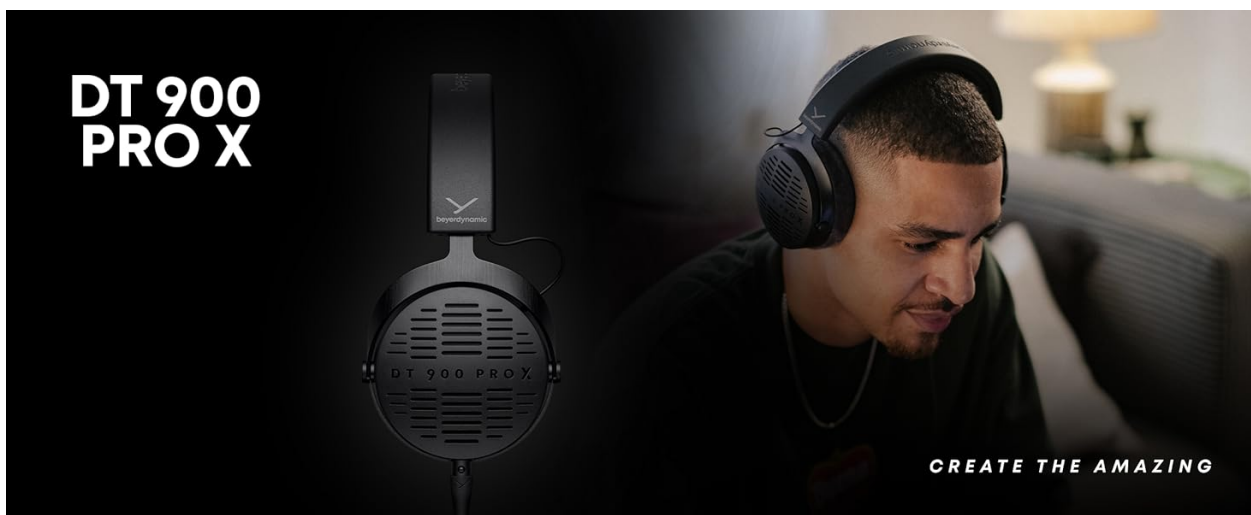


Image: beyerdynamic DT 900 PRO X headphones in use, highlighting their professional application.

2. Setup

Your beyerdynamic DT 900 PRO X headphones come with all necessary components for immediate use. Please ensure all items are present before proceeding with setup.

2.1 What's in the Box

- DT 900 PRO X Headphones
- Removable 3m Cable with locking mini-XLR connector
- 3.5 mm (1/8") to 6.3 mm (1/4") adapter
- Protective Case

2.2 Connecting Your Headphones

1. Identify the mini-XLR connector on the detachable cable.
2. Align the mini-XLR connector with the port on the left earcup of the headphones and push firmly until it clicks into place, ensuring a secure connection.
3. For devices with a 3.5mm headphone jack, connect the 3.5mm end of the cable directly.
4. For devices requiring a 6.3mm (1/4") jack, screw the provided 3.5mm to 6.3mm adapter onto the 3.5mm end of the cable.
5. Plug the appropriate jack into your audio source (e.g., computer, audio interface, portable device).





Image: The DT 900 PRO X headphones showcasing the detachable cable and adapter for versatile connectivity.

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Video: Official beyerdynamic USA feature overview of the DT 900 PRO X Open-back studio headphones.

3. Operating Your Headphones

The DT 900 PRO X headphones are designed for optimal performance across various applications, including audio monitoring, gaming, home audio, recording, and studio work. Their open-back design provides a natural soundstage, ideal for critical listening.

3.1 Wearing the Headphones

Adjust the headband to comfortably fit your head. The circumaural (around-ear) design with velour ear cups ensures maximum comfort, even during prolonged use. The lightweight construction (0.76 lb / 345 g without cable) minimizes fatigue.

3.2 Audio Experience

These headphones are suitable for a wide range of compatible devices including computers, gaming consoles, home audio systems, and music production equipment. The 48 Ohm impedance allows for consistent performance without requiring a dedicated headphone amplifier for most modern devices, though a high-

quality amplifier can further enhance the experience for audiophiles.



Image: A user wearing the DT 900 PRO X headphones while working in a studio, demonstrating comfort and professional use.

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Video: Official beyerdynamic USA unboxing of the PRO X Series headphones, showing initial setup and components.

4. Maintenance

The beyerdynamic DT 900 PRO X headphones are built for longevity and sustainability. All parts are serviceable, allowing for easy replacement and extended product life.

4.1 Cleaning and Care

- The velour ear pads are replaceable and can be gently cleaned. Refer to the specific care instructions for the velour material.
- Wipe the headband and earcups with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the headphones in the provided protective case when not in use to prevent dust accumulation and physical damage.



Image: An exploded view of the DT 900 PRO X headphones, illustrating their modular and serviceable design.

5. Troubleshooting

If you encounter any issues with your DT 900 PRO X headphones, please refer to the following common

troubleshooting steps:

- **No Sound:** Ensure the cable is securely connected to both the headphones and the audio source. Check the volume levels on your audio device. Test with a different audio source or cable if possible.
- **Distorted Sound:** Verify that the cable is fully inserted and not damaged. Reduce the volume on your audio source to prevent clipping. Test with different audio files or sources.
- **Uncomfortable Fit:** Adjust the headband for a proper fit. Ensure ear pads are correctly seated and not worn out. Replace ear pads if necessary.
- **Cable Issues:** The detachable cable is designed for durability. If issues persist, consider replacing the cable.

For further assistance, please contact beyerdynamic customer support.

6. Specifications

Feature	Detail
Model Name	DT 900 Pro X
Ear Placement	Over Ear
Form Factor	Over Ear
Connectivity Technology	Wired
Impedance	48 Ohms
Frequency Response	5 - 40,000 Hz
Audio Driver Type	Dynamic Driver
Audio Driver Size	45 Millimeters
Cable Feature	Detachable (3m with locking mini-XLR)
Included Adapters	3.5 mm (1/8") to 6.3 mm (1/4")
Material	Plastic, Spring Steel, Velour
Item Weight	0.76 lbs (345 g) without cable
Product Dimensions	6.65 x 3.94 x 7.68 inches
Special Features	Adjustable Headband, Detachable Cable, Velour Ear Cups

7. Warranty and Support

beyerdynamic products are known for their superior durability and quality. The DT 900 PRO X headphones are designed with serviceable parts to ensure ultimate longevity, sustainability, and reliability.

For warranty information, technical support, or to order replacement parts, please visit the official beyerdynamic website or contact their customer service department. Keep your purchase receipt for warranty claims.

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Video: Official beyerdynamic USA 'PRO X Hero' video, highlighting the series' professional features and design.