

beyerdynamic DT 990 Pro X

beyerdynamic DT 990 Pro X Over-Ear Studio Headphones

Instruction Manual

1. INTRODUCTION

Thank you for choosing the beyerdynamic DT 990 Pro X Over-Ear Studio Headphones. These headphones are designed for professional audio applications, including mixing, mastering, and editing. They feature an open-back design, a dynamic STELLAR.45 driver system, and a detachable cable for enhanced versatility and durability. This manual provides essential information for the proper setup, operation, and maintenance of your headphones.



Image 1.1: The beyerdynamic DT 990 Pro X headphones, showcasing their over-ear, open-back design.

2. PACKAGE CONTENTS

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

- beyerdynamic DT 990 Pro X Studio Headphones
- 3.0 m Mini-XLR Cable (3.5 mm Jack Plug)
- 6.35 mm Jack Adapter
- Drawstring Bag

CONTENTS



Studio Headphones
DT 990 PRO X



6.35 mm Jack Adapter



3.0 m Mini-XLR Cable
(3.5 mm Jack Plug)



Drawstring Bag

Image 2.1: All components included in the beyerdynamic DT 990 Pro X package: headphones, detachable cable, adapter, and carrying bag.

3. SETUP

3.1 Connecting the Cable

1. Locate the Mini-XLR input port on the left earcup of the DT 990 Pro X headphones.
2. Align the Mini-XLR connector of the provided cable with the port and push firmly until it clicks into place.
3. Connect the 3.5 mm jack plug of the cable to your audio source (e.g., audio interface, amplifier, computer).
4. If your audio source requires a 6.35 mm connection, attach the included 6.35 mm jack adapter to the 3.5 mm

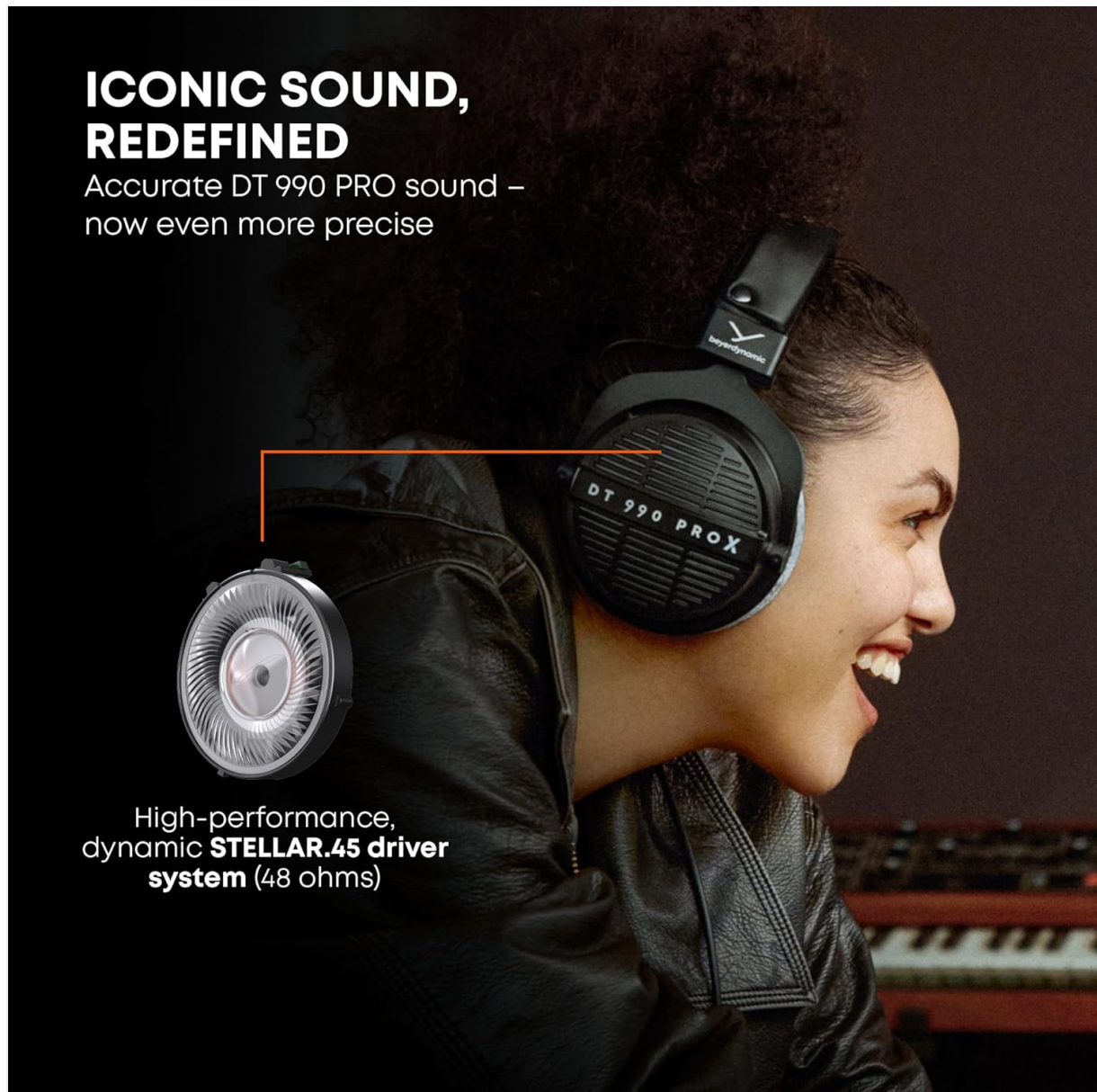


Image 3.1: A hand connecting the detachable Mini-XLR cable to the earcup of the DT 990 Pro X headphones.

3.2 Initial Use

Ensure your audio source's volume is set to a low level before placing the headphones on your head. Gradually increase the volume to a comfortable listening level. The DT 990 Pro X headphones have an impedance of 48 Ohms, making them suitable for a wide range of devices without requiring a dedicated headphone amplifier, though a high-quality amplifier can further enhance performance.

4. OPERATING INSTRUCTIONS

4.1 Wearing the Headphones

Adjust the headband so that the earcups sit comfortably over your ears, fully enclosing them. The velour ear pads are designed for extended wear. The open-back design allows for a wide soundstage and natural sound reproduction, which is beneficial for critical listening tasks.

OPEN-BACK DESIGN

Outstanding spatial definition



Image 4.1: A user wearing the DT 990 Pro X headphones during an audio production session, demonstrating proper fit.

4.2 Compatible Devices

The DT 990 Pro X headphones are compatible with a variety of audio devices, including:

- Laptops and Desktops
- Audio Interfaces and Mixers
- Smartphones and Tablets (with appropriate adapters if needed)
- Gaming Consoles
- Smart Speakers and Televisions

5. COMFORT AND FIT

The DT 990 Pro X headphones are engineered for high comfort during long listening or working sessions. Key comfort features include:

- **Ergonomically Designed Headband:** Distributes pressure evenly across the head.
- **Flexible Headband Construction:** Ensures a secure yet comfortable fit for various head sizes.
- **Soft Velour Ear Pads:** Provide a gentle feel against the skin and contribute to breathability.



Image 5.1: Detailed view of the ergonomically designed headband and soft velour ear pads, highlighting comfort features.

6. MAINTENANCE

6.1 Cleaning

To maintain the longevity and hygiene of your headphones:

- Wipe the exterior surfaces with a soft, dry cloth.
- The velour ear pads can be carefully removed and hand-washed with mild soap and water, then air-dried completely before reattaching.
- Avoid using harsh chemicals or abrasive cleaners.

6.2 Storage

When not in use, store the headphones in the provided drawstring bag to protect them from dust and scratches. Avoid exposing them to extreme temperatures or humidity.

6.3 Replaceable Components

The DT 990 Pro X is designed with replaceable components, including the ear pads and headband padding, ensuring long-term usability. Contact beyerdynamic support for replacement parts.

DETACHABLE CABLE

Maximum flexibility



Image 6.1: An internal view of the earcup, illustrating the design for replaceable components, emphasizing the product's repairability.

7. TROUBLESHOOTING

If you encounter issues with your DT 990 Pro X headphones, please refer to the following common solutions:

- **No Sound:**
 - Ensure the cable is securely connected to both the headphones and the audio source.
 - Check the volume level on your audio source and ensure it is not muted.
 - Test the headphones with a different audio source or device to rule out source issues.
- **Distorted Sound:**
 - Reduce the volume level on your audio source.
 - Ensure the audio file or stream is of good quality.
 - Check for any loose connections in the cable.
- **Uncomfortable Fit:**
 - Adjust the headband to find the optimal position on your head.

- Ensure the ear pads are correctly seated around your ears.

If these steps do not resolve the issue, please contact beyerdynamic customer support for further assistance.

8. SPECIFICATIONS

Model Name	DT 990 Pro X
Item Model Number	BD1001629
Ear Placement	Over Ear
Form Factor	Over Ear
Connectivity Technology	Wired
Impedance	48 Ohm
Frequency Range	5 - 40,000 Hz
Audio Driver Type	Dynamic Driver (STELLAR.45)
Noise Control	Sound Isolation (Open-back design)
Headphones Jack	4-pin XLR (detachable cable)
Material	Fabric (ear pads)
Item Weight	292 Grams (10.3 ounces)
Product Dimensions	7.87 x 7.87 x 7.87 inches
Manufacturer	Beyerdynamic
Country of Origin	Germany











9. WARRANTY AND SUPPORT

beyerdynamic products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official beyerdynamic website. For technical support, replacement parts, or service inquiries, please contact beyerdynamic customer support directly.

beyerdynamic USA

For support in the United States, please visit the beyerdynamic USA website or contact their customer service department.

Related Documents - DT 990 Pro X

 DT 990 PRO X DT 990 PRO X <small>DT 990 PRO X</small> 	Beyerdynamic DT 990 PRO X Studio Headphones User Manual This manual provides instructions for the Beyerdynamic DT 990 PRO X studio headphones, covering safety, usage, maintenance, cable connection, ear pad replacement, headband pad replacement, version information, supplied accessories, replacement parts, service, disposal, technical specifications, and warranty.
 DT 990 PRO DT 990 PRO <small>DT 990 PRO</small> 	Beyerdynamic DT 990 PRO Studio Headphones User Manual and Technical Specifications Comprehensive user manual and technical specifications for the Beyerdynamic DT 990 PRO open dynamic studio headphones. Learn about features, applications, safety, maintenance, and detailed specs.
	Beyerdynamic DT 990 PRO X Studio Headphones User Manual Comprehensive user manual for the Beyerdynamic DT 990 PRO X open-back studio headphones, covering safety, application, maintenance, cable and pad replacement, technical specifications, and warranty information.
 DT 990 PRO X DT 990 PRO X <small>DT 990 PRO X</small> 	Beyerdynamic DT 990 PRO X Studio Headphones User Manual Comprehensive user manual for the Beyerdynamic DT 990 PRO X open-back studio headphones, covering safety instructions, application, maintenance, cable connection, pad replacement, version, accessories, replacement parts, service, disposal, technical specifications, and warranty.
	Beyerdynamic DT 1770 PRO MKII Premium Studio Headphones Quick Start Guide Official quick start guide for the Beyerdynamic DT 1770 PRO MKII open studio headphones. Learn about features, setup, accessories, maintenance, and technical specifications for professional audio mixing and mastering.
 AMIRON ZERO AMIRON ZERO <small>AMIRON ZERO</small> 	Beyerdynamic AMIRON ZERO Open-Ear Clip Earbuds Quick Start Guide A concise guide to the Beyerdynamic AMIRON ZERO open-ear clip earbuds, covering setup, controls, app integration, and charging. Learn how to wear, pair, and operate your earbuds for an optimal audio experience.