Sennheiser PXC 450

Sennheiser PXC 450 Active Noise-Canceling Headphones User Manual

Model: PXC 450

INTRODUCTION

Welcome to the user manual for your Sennheiser PXC 450 Active Noise-Canceling Headphones. These premium over-ear headphones are designed to provide an exceptional audio experience with advanced noise cancellation technology. This manual will guide you through the setup, operation, and maintenance of your headphones to ensure optimal performance and longevity.

SAFETY INFORMATION

- Always store the headphones in their protective case when not in use to prevent damage.
- Avoid exposing the headphones to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or modify the headphones, as this will void the warranty and may cause damage.
- Keep the headphones and accessories out of reach of children and pets.
- Prolonged listening at high volumes can cause permanent hearing damage. Adjust volume to a safe level.

PACKAGE CONTENTS

Please check that your package contains the following items:

- Sennheiser PXC 450 Active Noise-Canceling Headphones
- Soft case
- 2 audio adapters (in-flight entertainment and 6.3mm/1/4")
- Batteries (1 Lithium Ion battery included)

PRODUCT OVERVIEW

The Sennheiser PXC 450 headphones are designed for superior sound quality and effective noise reduction. Key features include:

- **NoiseGard 2.0 Active Noise Compensation:** Reduces up to 90% of ambient noise for an undisturbed listening experience.
- **Audiophile-Grade Sound:** Achieved through adaptive baffle damping and patented Duofol diaphragm technology.
- **TalkThrough Function:** Allows you to communicate without removing the headphones.
- **Foldable Construction:** For convenient storage and portability.
- **Passive Mode:** Audio functions even without batteries.

Figure 1: Sennheiser PXC 450 Active Noise-Canceling Headphones. These over-ear headphones feature a sleek design with comfortable earcups and a durable headband.

SETUP

1. Battery Installation

1. Locate the battery compartment, typically on one of the earcups.
2. Open the compartment cover.
3. Insert one AAA Lithium Ion battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

2. Connecting the Audio Cable

1. Connect the 3.5mm jack of the audio cable to the input port on the headphone earcup (usually the left one).
2. Connect the other end of the audio cable to your audio source (e.g., smartphone, laptop, in-flight entertainment system).
3. If your audio source requires a larger connection, use the provided 6.35mm (1/4") adapter.

OPERATING INSTRUCTIONS

1. Power On/Off and NoiseGard Activation

- To power on the headphones and activate NoiseGard (Active Noise Cancellation), locate the power switch/button on the earcup (typically the right one).
- Slide or press the switch to the "ON" position. An indicator light may illuminate.
- To power off, slide or press the switch to the "OFF" position.
- The headphones can still function in passive mode (without noise cancellation) even if the battery is depleted or NoiseGard is off.

2. TalkThrough Function

- The TalkThrough function allows you to hear your surroundings or engage in conversations without removing your headphones.
- Locate the TalkThrough button on the earcup.
- Press the TalkThrough button to temporarily reduce audio volume and amplify ambient sounds.
- Press the button again to return to normal listening with active noise cancellation.

3. Volume Control

- Adjust the listening volume using the volume control dial or buttons located on the earcup.
- Ensure the volume is set to a comfortable level to prevent hearing damage.

4. Connectivity

- The PXC 450 headphones are primarily wired. Connect them directly to your audio device using the provided cable.
- Use the appropriate adapter for different jack sizes (3.5mm or 6.35mm).

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Video 1: An official Sennheiser video demonstrating the features and use of Sennheiser travel headphones, including active noise cancellation and the TalkThrough function. This video highlights how the headphones provide a quiet listening experience and allow for communication when needed.

MAINTENANCE

1. Cleaning

- Use a soft, dry cloth to clean the exterior of the headphones.
- Do not use liquid cleaners or solvents.
- The earpads can be gently wiped with a slightly damp cloth if necessary, then allowed to air dry completely.

2. Storage

- When not in use, store the headphones in the provided soft case to protect them from dust and physical damage.
- Avoid storing in areas with extreme temperatures or high humidity.

3. Battery Replacement

- Replace the AAA battery when the noise cancellation performance diminishes or the indicator light suggests low power.
- Dispose of used batteries according to local regulations.

TROUBLESHOOTING

No Sound or Low Volume

- Ensure the audio cable is securely connected to both the headphones and the audio source.
- Check the volume levels on both the headphones and your audio source.
- If using NoiseGard, ensure the battery is not depleted. Try replacing the battery.
- Test the headphones with a different audio source or cable to rule out external issues.

Noise Cancellation Not Working Effectively

- Verify that NoiseGard is switched "ON" and the battery has sufficient power.
- Ensure the earcups are properly sealed around your ears. Adjust the headband for a snug fit.
- Active noise cancellation is most effective against low-frequency, constant noises (e.g., engine hum) and less effective against sudden or high-frequency sounds (e.g., voices).

SPECIFICATIONS

Feature	Detail
Model Name	PXC 450
Brand	Sennheiser
Connectivity Technology	Wired
Headphones Jack	3.5 mm Jack, 6.35 mm Jack
Noise Control	Active Noise Cancellation (NoiseGard 2.0)
Earpiece Shape	Over Ear
Control Type	Volume Control, TalkThrough
Battery Type	1 Lithium Ion battery (AAA)
Battery Life	Up to 16 Hours (with ANC)
Item Weight	2.5 pounds (approx. 1.13 kg)
Product Dimensions	9 x 5 x 10 inches (approx. 22.86 x 12.7 x 25.4 cm)
Material	Plastic

Special Feature	Lightweight, Noise Cancellation

WARRANTY AND SUPPORT

Sennheiser products are built to high-quality standards. For warranty information and customer support, please refer to the official Sennheiser website or contact their customer service directly. Keep your proof of purchase for warranty claims.
Online Support: Visit the official Sennheiser website for FAQs, troubleshooting guides, and driver downloads.
Contact Information: Refer to the product packaging or Sennheiser's website for regional contact details.