

Sordin Supreme Pro-X ACE Edition

Sordin Supreme Pro-X ACE Edition Active Ear Defenders User Manual

Model: Supreme Pro-X ACE Edition

1. INTRODUCTION

The Sordin Supreme Pro-X ACE Edition Active Ear Defenders are designed to provide superior hearing protection while enhancing situational awareness. This device actively mutes loud, harmful noises while simultaneously amplifying ambient sounds, such as speech and wildlife, to safe levels. This manual provides essential information for the proper use, maintenance, and care of your ear defenders.

2. SAFETY INFORMATION

Please read all safety instructions before using the Sordin Supreme Pro-X ACE Edition. Failure to follow these instructions may result in hearing damage or product malfunction.

- **Proper Fit:** Ensure the ear defenders fit snugly over your ears to achieve optimal noise reduction. Hair, eyeglasses, or other objects under the ear cushions can compromise the seal and reduce effectiveness.
- **Battery Safety:** Use only the specified battery type (2 AA batteries). Do not mix old and new batteries, or different types of batteries. Remove batteries if the device will not be used for an extended period. Dispose of batteries according to local regulations.
- **Environmental Conditions:** While equipped with waterproof microphones, avoid submerging the entire unit in water. Protect the device from extreme temperatures and harsh chemicals.
- **Maintenance:** Regular inspection and maintenance are crucial for maintaining the protective qualities of the ear defenders. Replace worn or damaged ear cushions and foam inserts promptly.

3. SETUP

3.1. Battery Installation

The Sordin Supreme Pro-X ACE Edition requires two (2) AA batteries for operation. These are typically included

with your purchase.

1. Locate the battery compartments, usually on the side of each earcup.
2. Carefully open the battery compartment cover. Note that installation can be snug; refer to the illustration for guidance.
3. Insert two AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.



Figure 3.1: Illustration showing the correct method for inserting AA batteries into the Sordin Supreme Pro-X ear defender's compartment.

3.2. Adjusting the Headband

Adjust the headband by sliding the earcups up or down until they comfortably cover your ears and the headband rests on the top of your head. A proper fit is essential for both comfort and effective hearing protection.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

To power on the device, press and hold the central power button located on the earcup keypad until you hear an audible confirmation. To power off, repeat the process.



SORDIN

Easy to operate keypad

Leicht bedienbares Tastenfeld

Figure 4.1: The Sordin Supreme Pro-X ACE Edition ear defenders, highlighting the keypad for power and volume control.

4.2. Volume Control and Sound Amplification

Use the '+' and '-' buttons on the keypad to adjust the volume of amplified ambient sounds. The device offers 1:4 noise amplification, allowing you to hear quiet sounds and speech clearly while still being protected from sudden loud noises. The waterproof microphones ensure reliable performance in various conditions.

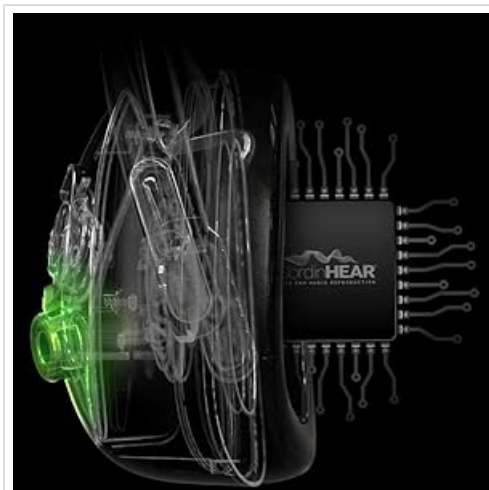


Figure 4.2: A diagram illustrating the active noise dampening and sound amplification technology within the Sordin Supreme Pro-X ear defenders.

4.3. Active Noise Reduction

The ear defenders automatically reduce harmful impulse noises, such as gunshots or industrial machinery, to a safe level. This active noise reduction feature operates continuously when the device is powered on.

5. MAINTENANCE

5.1. Cleaning

Clean the ear defenders regularly with a damp cloth and mild soap. Do not use abrasive cleaners or solvents. Ensure no moisture enters the electronic components. The gel ear cushions can be wiped clean.

5.2. Ear Cushion Replacement

For optimal hygiene and performance, inspect the gel ear cushions and foam inserts periodically. Replace them if they show signs of wear, cracking, or hardening. Replacement kits are available from Sordin.



Figure 5.1: A close-up view of the Sordin Supreme Pro-X ear defenders, highlighting the premium gel ear cushions designed for comfort and seal.

5.3. Battery Replacement

When the batteries are low, the device will typically provide an audible warning. Replace both AA batteries as described in Section 3.1. Always use fresh, high-quality batteries.

6. TROUBLESHOOTING

- **No Power:** Ensure batteries are correctly installed with proper polarity. Replace with fresh batteries. Check if the power button was held long enough to activate.
- **No Sound/Low Volume:** Check battery level. Adjust volume using the '+' button. Ensure earcups are sealed properly against the head.
- **Static or Distorted Sound:** This can sometimes occur in certain environments. Ensure microphones are clean and unobstructed. Check battery level.
- **Inconsistent Noise Reduction:** Verify the ear defenders are worn correctly, creating a tight seal around the ears. Check for any obstructions between the earcups and your head.

If problems persist after attempting these troubleshooting steps, please contact Sordin customer support.

7. SPECIFICATIONS

Feature	Detail
Model	Sordin Supreme Pro-X ACE Edition
Noise Reduction Rating (SNR)	25 dB
Certifications	EN 352-1 (earmuffs), EN 352-4 (level-dependent attenuating earmuffs), EN 352-8 (earmuffs with audio entertainment input)
Battery Type	2 x AA (included)
Microphones	Waterproof
Sound Amplification	1:4 ratio
Ear Cushion Material	Gel
Product Dimensions	9.06 x 7.36 x 4.29 inches
Item Weight	1.21 Pounds

8. WARRANTY

The Sordin Supreme Pro-X ACE Edition comes with a five-year warranty on the electronics. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the documentation provided with your product or visit the official Sordin website.

9. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Sordin customer service. Contact information can typically be found on the Sordin official website or on the product packaging.