

3M X2A

3M PELTOR X2A Earmuffs User Manual

Model: X2A

INTRODUCTION

The 3M PELTOR X2A Earmuffs are designed to provide hearing protection in environments with moderate to high noise levels. These earmuffs are part of the X-Series, representing an advancement in hearing conservation technology. Proper use and maintenance are essential for optimal performance and protection.

This manual provides instructions for the correct setup, operation, and maintenance of your 3M PELTOR X2A Earmuffs. Please read this manual thoroughly before using the product.

SAFETY INFORMATION

Important: Failure to follow these instructions may result in reduced hearing protection and potential hearing damage.

- Always wear hearing protection in noisy environments.
- Ensure earmuffs are properly fitted and worn for continuous protection.
- Inspect earmuffs regularly for damage, such as cracks in the cups or worn ear cushions. Replace damaged parts immediately.
- Clean earmuffs as instructed in the Maintenance section to ensure hygiene and performance.
- Do not modify the earmuffs. Unauthorized modifications may compromise their protective capabilities.

SETUP

To ensure effective hearing protection, proper adjustment of the earmuffs is crucial.

1. **Adjust Headband:** Hold the earmuffs by the headband. Extend the headband fully by sliding the cups downwards.
2. **Position Cups:** Place the ear cups over your ears, ensuring they completely cover your outer ears.
3. **Tighten Headband:** Slide the ear cups upwards along the headband until the headband rests comfortably on the top of your head and the ear cups create a firm, but not overly tight, seal around your ears.
4. **Check Seal:** Ensure no hair, eyeglasses, or other objects interfere with the seal between the ear

cushions and your head. A proper seal is vital for maximum noise reduction.



Image: The 3M PELTOR X2A Earmuffs, featuring a black headband and yellow and black ear cups. This image illustrates the overall design and appearance of the product, showing the adjustable headband and the cushioned ear cups designed for hearing protection.

OPERATING INSTRUCTIONS

Once properly fitted, the 3M PELTOR X2A Earmuffs are ready for use. They are passive hearing protectors and do not require batteries or complex operation.

- Wear the earmuffs continuously in noisy environments.
- Avoid removing the earmuffs, even for short periods, as this significantly reduces overall protection.
- If you experience discomfort or a sensation of reduced protection, re-adjust the earmuffs to ensure a proper seal.

MAINTENANCE

Regular cleaning and inspection will prolong the life of your earmuffs and ensure continued effective protection.

- **Cleaning:** Clean the ear cups and cushions with mild soap and water. Use a soft cloth. Do not immerse the earmuffs in water.
- **Drying:** Allow the earmuffs to air dry completely before storage or next use.
- **Inspection:** Periodically check the ear cushions for cracks, hardening, or other signs of wear. Inspect the headband for damage. Replace worn or damaged parts with genuine 3M PELTOR replacement parts.
- **Storage:** Store earmuffs in a clean, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced noise reduction	Improper fit; Worn ear cushions; Interference with seal (e.g., eyeglasses, hair)	Re-adjust earmuffs for a snug fit; Replace ear cushions; Remove interfering objects.
Discomfort during wear	Headband too tight or loose; Incorrect positioning	Adjust headband for comfortable pressure; Ensure ear cups are centered over ears.
Earmuffs appear damaged	Physical impact; Material degradation	Inspect for cracks or tears. Replace damaged components or the entire unit if integrity is compromised.

SPECIFICATIONS

Feature	Detail
Model Number	X2A
Brand	3M PELTOR
Noise Reduction Rating (NRR)	24 dB
Single Number Rating (SNR)	31 dB (from part number)
Part Number	PELTOR X2 HEADBAND SNR 31dB
Color	Yellow/Black
Style	Over-the-head, Uncorded
Material	Peltor
Item Weight	1.1 pounds (approx. 0.5 kg)
Product Dimensions	28.7 x 9.3 x 8.7 inches (approx. 72.9 x 23.6 x 22.1 cm)

Feature	Detail
Batteries Required	No
Date First Available	November 6, 2014

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

3M PELTOR products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or replacement parts, please refer to the official 3M website or contact 3M customer service directly.

Online Resources: www.3m.com/peltor

Customer Service: Refer to your regional 3M contact information for assistance.