ZOHAN EM054

ZOHAN EM054 Electronic Ear Protection User Manual

Model: EM054 | Brand: ZOHAN

Introduction

Thank you for choosing ZOHAN EM054 Electronic Ear Protection. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your new electronic earmuffs. Designed for shooting ranges, hunting, and other noisy environments, these earmuffs offer advanced sound amplification and noise reduction to protect your hearing while maintaining situational awareness.



Image: ZOHAN EM054 Electronic Ear Protection, showcasing its compact, foldable design.

Key Features

- **Active Noise Reduction:** Utilizes chip processing to actively reduce noise within 0.01 seconds when ambient noise exceeds 82dB. NRR: 22 dB.
- **Sound Amplification:** Amplifies ambient sounds through two high-gain omnidirectional microphones, allowing for communication and awareness of subtle sounds (e.g., animal footsteps during hunting).
- **Volume Adjustment:** Features a convenient volume adjustment knob for easy manual control of amplified sounds.
- **Durable Construction:** Made with high-quality rubber paint, durable ABS shell, and a PU leather headband for enhanced feel and longevity.
- **Ergonomic Design:** Slim profile earcups and an adjustable headband ensure a comfortable fit for various head sizes.
- **Portability:** Compact, foldable design for easy storage and transport in range bags or tactical backpacks.
- **AUX Input:** Includes an AUX interface for connecting external audio devices, such as MP3 players or smartphones.



Image: Overview of ZOHAN EM054's core features, including noise reduction and sound amplification capabilities.

Safety Information

- Always ensure the earmuffs are properly fitted to achieve the stated Noise Reduction Rating (NRR).
- Do not modify the earmuffs. Any modifications may compromise their protective capabilities.
- Regularly inspect the earmuffs for damage, especially the ear pads and headband. Replace damaged components immediately.
- Store earmuffs in a clean, dry place away from extreme temperatures and direct sunlight.
- The sound amplification feature should be used responsibly. Excessive amplification in quiet environments can still be harmful.

Package Contents

Verify that all items are present in your package:

- ZOHAN EM054 Electronic Ear Protection (1 pair)
- 3.5mm AUX Cord (1)
- User Manual (this document)

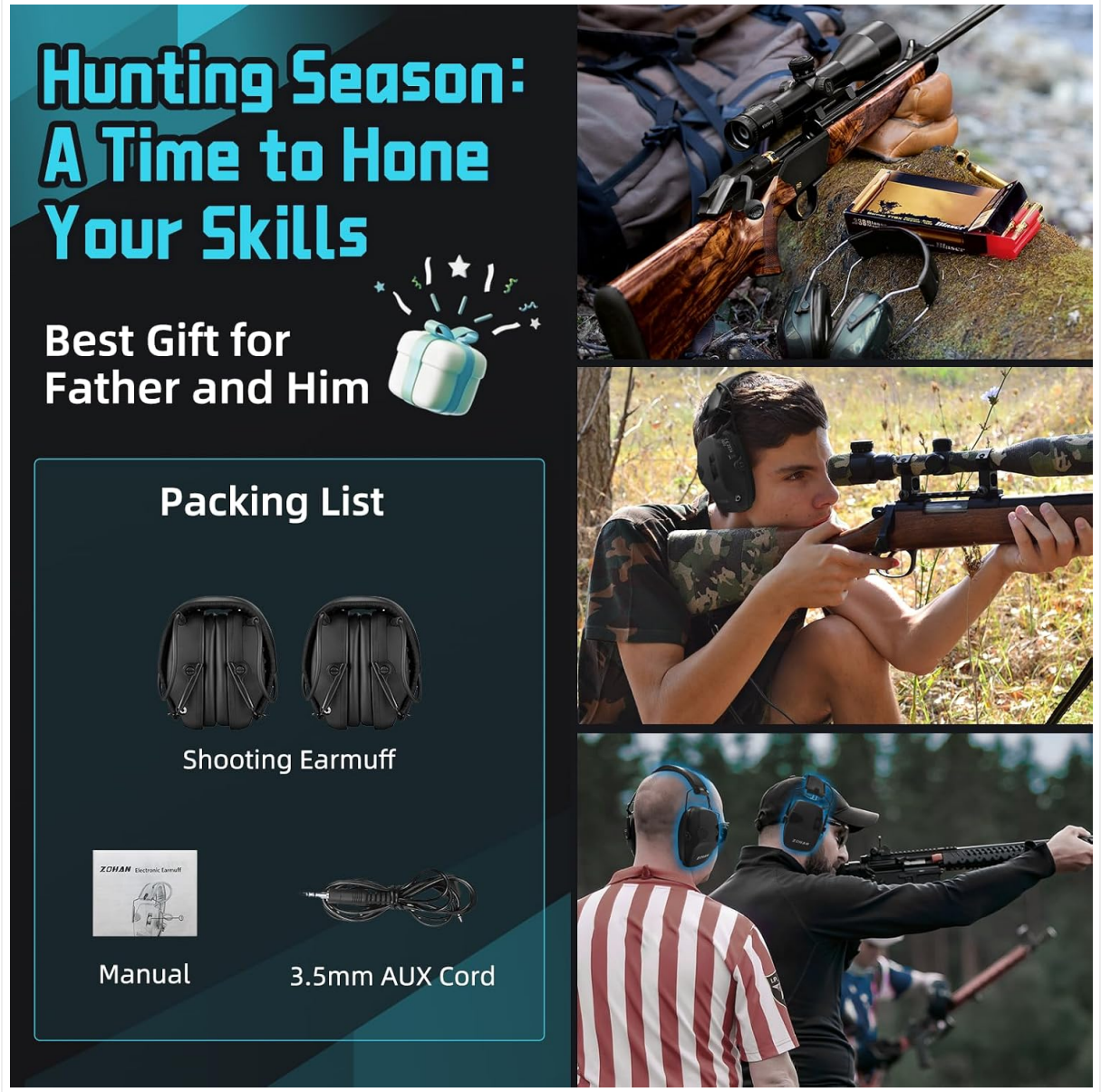


Image: Contents included in the ZOHAN EM054 package.

Setup

1. Battery Installation

The ZOHAN EM054 requires 2 AAA alkaline batteries (not included) for operation. New alkaline batteries provide approximately 350 hours of operating time.

1. Locate the battery compartment on one of the earcups.
2. Gently open the battery compartment cover.
3. Insert 2 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

2. Adjusting Fit

For optimal noise reduction and comfort, ensure the earmuffs fit snugly over your ears.

1. Extend the headband by pulling the earcups downwards until they fit over your ears.
2. Position the earcups so they completely cover your ears, creating a seal against your head.
3. Adjust the headband length by sliding the earcups up or down until a comfortable and secure fit is achieved.



Image: Features contributing to comfortable wear, including battery compartment and adjustable headband.

Operating Instructions

1. Power On/Off and Volume Control

The volume adjustment knob also serves as the power switch.

- To power on, rotate the volume knob clockwise until you hear a click.
- Continue rotating clockwise to increase the amplification volume.
- Rotate counter-clockwise to decrease the volume.
- To power off, continue rotating the knob counter-clockwise past the minimum volume until you hear a click.

2. Sound Amplification and Noise Reduction

The EM054 earmuffs are equipped with two high-gain omnidirectional microphones that pick up ambient sounds. The internal chip processes these sounds, amplifying quiet ones for situational awareness and instantly reducing loud noises (above 82dB) to a safe level within 0.01 seconds.

Your browser does not support the video tag.

Video: Demonstration of ZOHAN EM054's sound amplification and noise reduction features, highlighting its functionality in various environments.

3. AUX Input Usage

The earmuffs include a 3.5mm AUX input for connecting external audio devices.

- Locate the AUX port on the earcup.
- Connect one end of the provided 3.5mm AUX cord to the earmuffs.
- Connect the other end to your audio device (e.g., smartphone, MP3 player).
- Adjust the volume using the earmuffs' volume knob and/or your audio device's volume controls.

Maintenance

1. Cleaning

To maintain hygiene and performance, clean your earmuffs regularly.

- Wipe the exterior surfaces with a damp cloth. Do not submerge in water.
- For the ear pads, use a mild soap solution if necessary, and wipe clean. Ensure they are completely dry before use.
- Do not use harsh chemicals or abrasive cleaners.

2. Ear Pad Replacement

Ear pads should be replaced periodically (recommended every three months, or sooner if worn) to ensure optimal comfort and noise reduction.

- Gently pull the old ear pads off the earcup. They are designed for snap-in removal.
- Align the new ear pads with the earcup and press firmly until they snap securely into place.

3. Storage

When not in use, fold the earmuffs into their compact form and store them in a protective case or bag to prevent damage.

Troubleshooting

Problem	Possible Cause	Solution
No sound amplification.	Batteries are dead or incorrectly installed. Earmuffs are off.	Check battery polarity and replace if necessary. Turn the volume knob clockwise to power on.
Poor noise reduction.	Earmuffs not properly sealed around ears. Worn or damaged ear pads.	Adjust the headband for a tighter fit. Inspect and replace ear pads if worn or damaged.
Distorted or crackling sound.	Low batteries. Damaged AUX cable. Microphones obstructed.	Replace batteries. Try a different AUX cable. Ensure microphones are clear of debris.
AUX input not working.	AUX cable not fully inserted. Audio device volume too low.	Ensure AUX cable is fully inserted into both devices. Increase volume on both earmuffs and audio device.

Specifications

- **Model:** EM054
- **Noise Reduction Rating (NRR):** 22 dB
- **Microphones:** 2 Omnidirectional, High-Gain

- **Power Source:** 2 x AAA Alkaline Batteries (not included)
- **Battery Life:** Approximately 350 hours (with new alkaline batteries)
- **Materials:** PU leather Headband, ABS shell, Soft Pad
- **Connectivity:** 3.5mm AUX Input
- **Department:** Unisex Adult
- **Care Instructions:** Hand Wash Only (for ear pads/surfaces)
- **Origin:** Imported

Warranty and Support

ZOHAN products are designed for quality and durability. For specific warranty details, product support, or to purchase replacement parts, please visit the official ZOHAN store or contact their customer service directly. Keep your purchase receipt for warranty claims.
You can find more information and contact details by visiting the ZOHAN Store:ZOHAN Official Store

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