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awesafe GF01-Black

awesafe Electronic Shooting Earmuff GF01-Black User Manual

Model: GF01-Black

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1. INTRODUCTION

Thank you for choosing the awesafe Electronic Shooting Earmuffs. This manual provides essential information for the proper setup, operation, and maintenance of your ear protection device. These earmuffs are designed to provide both safety and enhanced situational awareness by amplifying low-level sounds while instantly blocking harmful loud noises.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Electronic Sound Amplification:** Amplifies important low-level sounds, such as range commands and conversation, up to a safe 82 dB.
- **Instant Noise Reduction:** Automatically blocks any noise above 82 dB to protect your hearing from sudden loud impulses like gunshots.
- **Advanced Design:** Features two layers of professional noise dampening circuit board, high-sealing solid cups, and a unique double-shell construction for superior noise reduction (NRR 22 dB).
- **Comfortable Fit:** Equipped with soft PU leather ear cushions and a padded headband for extended wear comfort.
- **Adjustable:** Adjustable telescopic rod for a customized fit.
- **Omni-Directional Microphones:** With wind shield for clear sound pickup.

2.2 Components

The awesafe Electronic Shooting Earmuffs come with the following components:

- Electronic Earmuffs (1 pair)
- AAA Batteries (2 included)
- User Manual (1)
- Audio Input Cable (1)



Figure 1: awesafe Electronic Shooting Earmuff with labeled components including battery compartment, padded headband, telescopic rod, ear cushions, volume control, microphone, and audio input.

What is in the box?



Cable



2*AAA Batteries



Manual



Figure 2: Package contents including the electronic earmuffs, two AAA batteries, an audio input cable, and the user manual.

3. SETUP

3.1 Battery Installation

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

Note: Always use fresh batteries for optimal performance. Remove batteries if the earmuffs will not be used for an extended period.

3.2 Adjusting the Fit

For effective noise reduction and comfort, proper fit is crucial.

1. Extend the headband by pulling the ear cups downwards until they fit over your ears.

2. Position the ear cups so they fully cover your ears, creating a tight seal around them.
3. Adjust the headband length using the telescopic rods until the earmuffs feel snug but comfortable.
4. Ensure no hair or clothing interferes with the seal between the ear cushions and your head.



Figure 3: Proper wearing of the earmuffs, ensuring a secure and comfortable fit over the ears.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Volume Control

The earmuffs feature a volume control button located on the side of one ear cup.

- To power on and increase volume: Slide the button from left to right.
- To power off and decrease volume: Slide the button from right to left.

Adjust the volume to a comfortable listening level for ambient sounds.

4.2 Sound Amplification and Noise Reduction

These earmuffs are designed to enhance your auditory experience while protecting your hearing.

- **Sound Amplification:** The built-in microphones pick up low-level sounds, amplifying them to a safe level (up to 82 dB). This allows you to hear conversations, range commands, and environmental sounds clearly.
- **Automatic Noise Reduction:** When a loud noise (above 82 dB) occurs, the electronic circuit instantly compresses or blocks the sound, protecting your ears from potential damage. This happens automatically and seamlessly.



Figure 4: Illustration of how the earmuffs amplify low sounds (like animal calls) and reduce high-impact noise (like gunshots).



THE PRINCIPLE OF INTERNAL NOISE CANCELLING HEADPHONES

Amplifies low-level sound, while reducing harmful gunfire or impulse noise about 82dB



Figure 5: Detailed view of the earmuff's internal structure, highlighting the electronic compression noise reduction and sound amplification components.

4.3 Audio Input (Optional)

The earmuffs include an audio input jack, allowing you to connect external audio devices (e.g., MP3 players, radios) using the provided audio cable. This feature requires the earmuffs to be powered on.

5. MAINTENANCE

5.1 Cleaning

- Wipe the exterior of the earmuffs with a damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no moisture enters the electronic components.
- Periodically inspect ear cushions for wear and tear. Replace if damaged to maintain optimal noise reduction.

5.2 Storage

- Store the earmuffs in a clean, dry place away from extreme temperatures.

- Remove batteries if storing for extended periods to prevent leakage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or weak sound amplification.	<ul style="list-style-type: none"> • Batteries are dead or incorrectly installed. • Volume is set too low. • Earmuffs are not powered on. 	<ul style="list-style-type: none"> • Replace batteries or ensure correct polarity. • Increase volume using the slide button. • Slide the power/volume button to the "on" position.
Poor noise reduction.	<ul style="list-style-type: none"> • Earmuffs are not properly sealed around the ears. • Damaged ear cushions. 	<ul style="list-style-type: none"> • Adjust the fit to ensure a tight seal. Remove any obstructions like hair or glasses. • Inspect and replace damaged ear cushions.
Distorted sound.	<ul style="list-style-type: none"> • Low battery power. • External audio device issue (if connected). 	<ul style="list-style-type: none"> • Replace batteries. • Test with a different audio device or cable.

7. SPECIFICATIONS

Model Number	GF01-Black
Noise Reduction Rating (NRR)	22 dB
Power Supply	2 x AAA Batteries (included)
Maximum Amplified Sound Volume	82 dB
Operating Temperature	0°C to 50°C (32°F to 122°F)
Ear Cushion Material	Sponge (PU Leather exterior)
Headband Cushion Material	PU & Foam
Product Dimensions (LxWxH)	15 x 14 x 11 cm (5.9 x 5.5 x 4.3 inches)
Item Weight	400 g (0.88 lbs)

8. SAFETY INFORMATION

Please read and follow these safety guidelines to ensure proper use and prevent injury:

- Always wear ear protection in noisy environments where sound levels exceed safe limits.
- Ensure a proper seal around your ears for maximum noise reduction effectiveness. Hair, glasses, or other objects can compromise the seal.
- Do not modify or disassemble the earmuffs. Unauthorized modifications may impair performance and void the warranty.
- Keep batteries out of reach of children. If swallowed, seek immediate medical attention.
- Dispose of used batteries according to local regulations.
- These earmuffs are designed for noise reduction and sound amplification. They are not intended for

communication in extremely loud environments without additional specialized equipment.

- Regularly inspect the earmuffs for any damage. Do not use if ear cushions are torn or the headband is broken.

9. WARRANTY & SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact awesafe customer service directly. Keep your proof of purchase for warranty claims.

Manufacturer: awesafe

Country of Origin: USA