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› PROHEAR Arc Rail Adapter for Helmet Shooting Ear Protection Earmuffs User Manual

PROHEAR 066

PROHEAR Arc Rail Adapter Earmuffs User Manual

Brand: PROHEAR

Model: 066

INTRODUCTION

The PROHEAR Arc Rail Adapter Earmuffs are designed to provide superior hearing protection in noisy environments, particularly for shooting, hunting, and tactical applications. Featuring advanced SMART technology, these earmuffs actively suppress harmful noises while amplifying ambient sounds for enhanced situational awareness and communication. Their helmet-mounted design ensures a secure and comfortable fit for various tactical helmets.



Figure 1: PROHEAR Arc Rail Adapter Earmuffs (Model 066)

KEY FEATURES

- **NRR 23dB Noise Reduction:** Meets ANSI S3.19 standards for effective noise suppression.
- **SMART Technology:** Suppresses harmful noises like gunshots in under 0.01 seconds while amplifying low-level sounds.
- **300 Hours Battery Life:** Operates on 2 AAA batteries (not included).
- **Secure Fit & 360° Swivel:** Wide, comfortable ear cups with ultra-soft cushions and a swivel design for easy adjustment and storage.
- **Helmet Compatibility:** Adaptable to a full range of FAST BJ/PJ/MH Military Helmets, ACH helmets, MICH helmets, and IBH helmets equipped with 19-21CM rails.
- **Slim, Low-Profile Ear Cups:** Designed to prevent interference with gunstock placement, improving shooting accuracy.
- **Durable Construction:** IPX4 water, sweat, and dust resistance rating for reliability in various weather conditions.
- **Single Knob Volume Control:** Tactile and easily accessible, even with gloves.



NRR
23dB

3
YEAR
WARRANTY

PROTECT YOUR HEARING

Figure 2: NRR 23dB Noise Reduction for effective hearing protection.

SETUP INSTRUCTIONS

Follow these steps to properly install your PROHEAR Arc Rail Adapter Earmuffs onto a compatible tactical helmet.

1. **Prepare the Earmuffs:** Ensure the earmuffs are in their folded position.
2. **Align with Helmet Rail:** Align the clip gap of the earmuff adapter with the first rail above the helmet.
3. **Slide to Center:** Slide the adapter along the rail towards the center of the helmet until it is securely in place. Repeat for the other side.
4. **Adjust Headset Outward:** Once both sides are attached, adjust the headset outward to prepare for wearing.
5. **Place Helmet on Head:** Carefully place the helmet with the attached earmuffs onto your head.
6. **Adjust Headset Inward:** Adjust the headset inward so that the ear cushions fit perfectly and comfortably over your ears.
7. **Fine-tune Headband:** Adjust the headband bar by sliding it up or down to ensure a snug and secure fit, optimizing comfort and noise reduction.



Figure 3: Visual guide for installing earmuffs on a tactical helmet.

Your browser does not support the video tag.

Video 1: Detailed instructions on how to install PROHEAR 066 Earmuffs on Helmets.

OPERATING INSTRUCTIONS

The PROHEAR Arc Rail Adapter Earmuffs are designed for intuitive operation.

- **Power On/Off and Volume Control:** Locate the single knob on the side of the earmuff. Rotate the knob to power the unit on or off. Continue rotating to adjust the volume of ambient sound amplification.
- **Smart Technology Activation:** The active hearing protection system automatically engages when loud noises (above 82dB) are detected, suppressing them in less than 0.01 seconds. This allows for normal conversation and hearing of subtle sounds while providing instant protection from sudden, loud impacts.
- **Battery Installation:** To install or replace batteries, open the battery compartment located on one of the ear cups. Insert 2 AAA batteries, ensuring correct polarity. Close the compartment securely.
- **Audio Input (3.5mm cable):** Use the included 3.5mm cable to connect external audio devices (e.g., radios, MP3 players) for communication or entertainment.



Figure 4: Earmuffs provide up to 4X sound amplification and automatic noise blocking.

MAINTENANCE

- **Cleaning:** Wipe the earmuffs with a damp cloth. Do not immerse in water. Avoid using harsh chemicals or abrasive cleaners.
- **Ear Cushion Care:** Regularly inspect ear cushions for wear and tear. Replace if damaged to maintain optimal noise reduction and comfort.
- **Storage:** Store the earmuffs in a cool, dry place away from direct sunlight. Use the provided carrying pouch for protection during transport and storage.
- **Battery Replacement:** Replace batteries when sound quality degrades or the unit fails to power on. Remove batteries if storing for extended periods to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or weak sound.	Low or dead batteries; incorrect battery installation; volume too low.	Replace batteries; ensure correct polarity; increase volume.
Poor noise reduction.	Improper fit; worn or damaged ear cushions.	Adjust fit on head/helmet; replace ear cushions.
Static or distorted sound.	Interference from other electronic devices; low batteries.	Move away from interference sources; replace batteries.
Earmuffs do not fit helmet rail.	Incompatible helmet rail size.	Ensure helmet has 19-21CM ARC rails.

SPECIFICATIONS

Feature	Detail
Noise Reduction Rating (NRR)	23dB
Power Source	2 x AAA Batteries (not included)
Battery Life	Approx. 300 hours
Response Time (Noise Suppression)	< 0.01 seconds
Material	Durable ABS shell, ultra-soft and extremely lightweight material
Water Resistance Rating	IPX4
Dimensions	4 x 5 x 5 inches
Weight	10.4 ounces

WARRANTY & SUPPORT

The PROHEAR Arc Rail Adapter Earmuffs come with a **3-year warranty** from the date of purchase, covering manufacturing defects. For warranty claims, technical support, or any inquiries, please contact PROHEAR customer service through their official website or the retailer where the product was purchased.

For more information and support, visit the official PROHEAR Store: [PROHEAR Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question