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## PROHEAR EM066

# PROHEAR Electronic Hearing Protection EM066 User Manual

This manual provides comprehensive instructions for setting up, operating, and maintaining your PROHEAR EM066 electronic hearing protection earmuffs, featuring NRR 23dB noise reduction and 4X sound amplification.

## 1. PRODUCT OVERVIEW

The PROHEAR EM066 Electronic Hearing Protection earmuffs are designed to safeguard your hearing in noisy environments while enhancing situational awareness. They feature advanced sound amplification technology to allow clear communication and suppress harmful impulse noises, such as gunshots, within 0.01 seconds. These earmuffs meet ANSI S3.19 noise-reduction standards with an NRR of 23dB, making them suitable for various activities including shooting, hunting, woodworking, mowing, and chainsawing.



Image 1.1: PROHEAR EM066 Electronic Hearing Protection Earmuffs. The image displays both black and green versions of the earmuffs, highlighting their design and the PROHEAR branding on the headband.

## 2. WHAT'S IN THE BOX

Upon opening your PROHEAR EM066 package, you will find the following items:

- PROHEAR 066 Electronic Shooting Earmuff (requires 2 AAA batteries, not included)
- Carrying Pouch
- User Manual (this document)
- 3.5mm Audio Cable
- Patriot Patch (x2)
- Tactical Wildlife Antlers Patch (x1)
- Punisher Patch (x1)
- Hook Backing for Patches (x2)

# WHAT'S IN THE BOX.

- Electronic Hearing Protector\*1
- 3.5mm Cable \*1
- Tactical Wildlife Antlers Patch\*1
- Hook backing for patches\*2
- User Manual\*1
- Carrying Pouch\*1
- Patriot Patch\*2
- Punisher patch\*1

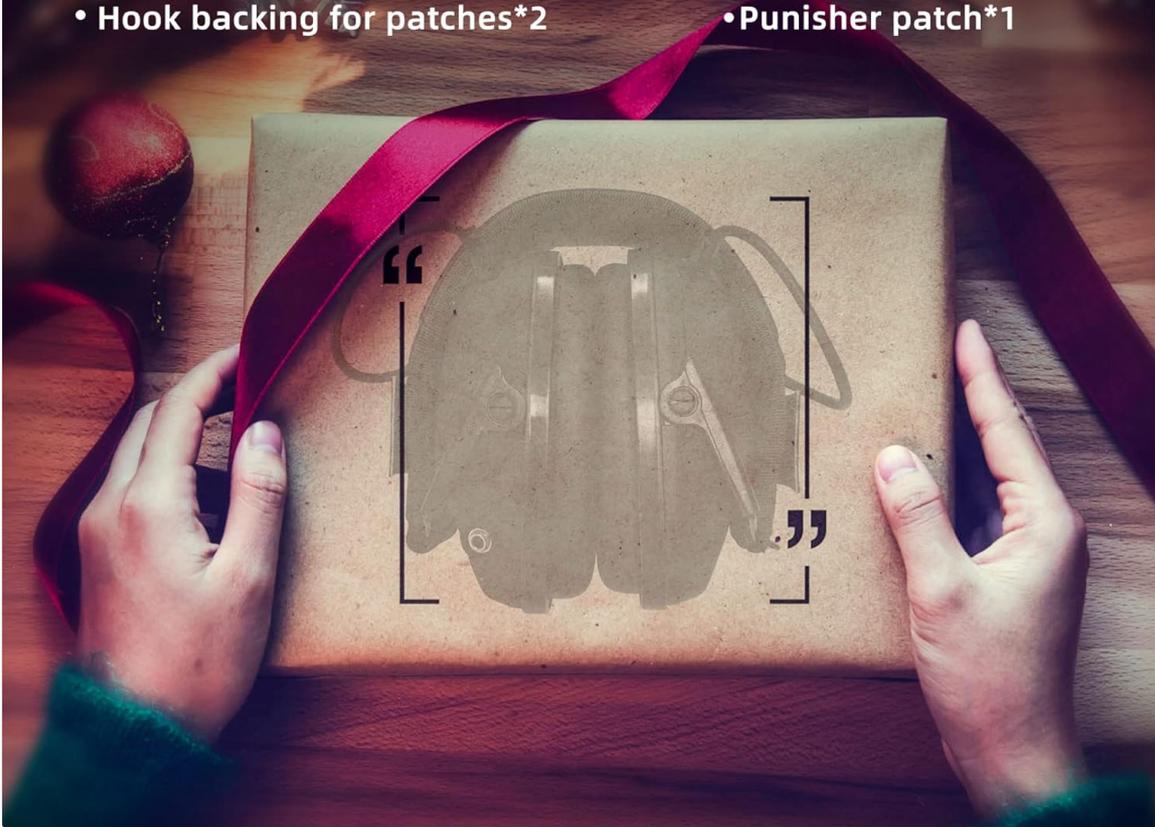


Image 2.1: Contents of the PROHEAR EM066 package. This image visually confirms the items listed, including the earmuffs, carrying pouch, manual, audio cable, and various patches.

## 3. SETUP

### 1. Battery Installation:

Locate the battery compartment on one of the ear cups (typically the right side). Gently slide the cover forward to open. Insert two AAA batteries, ensuring correct polarity (+/-). Close the battery cover securely.

### 2. Adjusting the Headband:

Unfold the earmuffs. Place the ear cups over each ear. Adjust the telescopic headband by sliding it up or down until a secure and comfortable fit is achieved. The padded headband is designed for comfort across most head sizes.

# COMFORTABLE, SECURE FIT.



Ultra padded & adjustable headband for a secure and comfortable fit



Rubberized pressure points prevent gunstock scratching



Ultra slim ear cups which won't interfere when shooting



Only 0.6lb. Lighter earmuffs provide ultimate comfort even for a long time using

Image 3.1: Features for a comfortable and secure fit. This image highlights the ultra-padded and adjustable headband, rubberized pressure points, and ultra-slim ear cups designed for comfort during use.

### 3. Attaching Patches (Optional):

The headband features Velcro pads on either side. You can attach the included patriot, tactical wildlife antlers, or punisher patches to customize your earmuffs. Ensure the hook backing is securely attached to the patch before placing it on the headband's loop surface.

## 4. OPERATING INSTRUCTIONS

### 1. Power On/Off and Volume Control:

Locate the single knob volume control on one of the ear cups (typically the left side). Rotate the knob clockwise to power on the earmuffs and increase the volume. Rotate counter-clockwise to decrease volume and power off. The analog control provides immediate adjustment.

### 2. Sound Amplification and Noise Reduction:

The EM066 utilizes SMART technology to amplify low-level sounds up to 4 times their natural volume, facilitating clear conversation and environmental awareness. Simultaneously, it suppresses harmful noises above 82dB, such as gunshots, with a reaction time under 0.01 seconds, protecting your hearing.

# UP TO 4X AMPLIFICATION TO ENHANCED COMMUNICATION.

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🔊 Allows adjusting the sound volume as you preferred

🔇 Automatically reduce noise above 82dB



Image 4.1: Up to 4X amplification for enhanced communication. This image illustrates the earmuffs' ability to amplify low-level sounds and automatically reduce noise above 82dB, shown with people in an outdoor setting.



Image 4.2: Protection from harmful gunshot noises. The image shows a person wearing the earmuffs while shooting, emphasizing the 0.01-second reaction time for noise suppression.

### 3. Connecting External Audio:

A 3.5mm auxiliary audio port is located on one of the ear cups. Use the provided 3.5mm audio cable to connect external devices like radios or music players for integrated audio. The volume of the external audio will be controlled by the connected device.

## 5. MAINTENANCE

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- **Cleaning:**

Wipe the earmuffs with a damp cloth. Avoid using harsh chemicals or abrasive cleaners. The earmuffs have an IPX4 water, sweat, and dust resistance rating, but should not be submerged in water.

- **Ear Pad Replacement:**

The ear pads are designed for easy replacement. Gently pull the existing ear pads off the ear cups. Align new compatible ear pads with the ear cup and press firmly until they snap into place. This allows for customization with gel ear pads (sold separately) for enhanced comfort.

- **Storage:**

When not in use, fold the earmuffs into their compact form and store them in the provided carrying pouch to protect them from dust and damage.

## 6. TROUBLESHOOTING

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| Problem                              | Possible Cause  | Solution   |
|--------------------------------------|---|--|
| No sound or low volume               | <ul style="list-style-type: none"> <li>◦ Batteries are dead or incorrectly installed.</li> <li>◦ Volume knob is set too low.</li> </ul> | <ul style="list-style-type: none"> <li>◦ Replace batteries with fresh AAA batteries and check polarity.</li> <li>◦ Rotate volume knob clockwise to increase volume.</li> </ul>                                 |
| Distorted or intermittent sound      | <ul style="list-style-type: none"> <li>◦ Low battery power.</li> <li>◦ External audio cable connection is loose or faulty.</li> </ul>   | <ul style="list-style-type: none"> <li>◦ Replace batteries.</li> <li>◦ Ensure 3.5mm audio cable is securely connected. Try a different cable if available.</li> </ul>  |
| Earmuffs do not suppress loud noises | <ul style="list-style-type: none"> <li>◦ Earmuffs are not powered on.</li> <li>◦ Improper fit, allowing sound leakage.</li> </ul>       | <ul style="list-style-type: none"> <li>◦ Ensure earmuffs are powered on and volume is adjusted.</li> <li>◦ Adjust headband for a snug fit around the ears. Ensure ear pads are not worn or damaged.</li> </ul> |

## 7. SPECIFICATIONS

- **Model:** EM066
- **Noise Reduction Rating (NRR):** 23dB
- **Sound Amplification:** Up to 4X
- **Noise Suppression Reaction Time:** < 0.01 seconds
- **Power Source:** 2 x AAA Batteries (not included)
- **Battery Life:** Approximately 300 hours
- **Water Resistance Rating:** IPX4 (water, sweat, and dust resistant)
- **Compliance:** ANSI S3.19 standards
- **Weight:** Approximately 0.6 pounds
- **Color:** Green (as per product details, other colors may be available)



Image 7.1: NRR 23dB rating for PROHEAR EM066. This image visually confirms the Noise Reduction Rating and shows various applications where the earmuffs provide protection.

## 8. WARRANTY & SUPPORT

Your PROHEAR 066 shooting earmuff comes with a 50-day no-risk money-back guarantee and a worry-free 36-month warranty. For any questions, concerns, or issues, please contact PROHEAR customer service. They are available 24/7 to provide friendly support.

For further assistance, please refer to the contact information provided in your product packaging or visit the official PROHEAR website.