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## Peltor Peltor Sport RangeGuard, 3M Kids Hearing Protection

# Peltor Sport RangeGuard and 3M Kids Hearing Protection User Manual

Comprehensive instructions for setup, operation, and maintenance.

## INTRODUCTION

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This manual provides detailed instructions for the proper use and care of your Peltor Sport RangeGuard Electronic Hearing Protector and 3M Kids Hearing Protection Earmuffs. Please read this manual thoroughly before using the products to ensure optimal performance and safety. These products are designed to help protect your hearing from loud noises.

## PELTOR SPORT RANGEGUARD PRODUCT OVERVIEW

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The Peltor Sport RangeGuard is an electronic hearing protector designed to reduce harmful impulse noise while amplifying low-level sounds for improved communication and situational awareness. It features a comfortable design suitable for extended wear.



Figure 1: Peltor Sport RangeGuard features diagram. This image highlights key components such as the adjustable sliders for fit, durable recessed microphones for sound amplification and wind noise reduction, the single control for power and volume, and the 3.5 mm audio input jack for external devices. It also shows the folding headband for portability, cushioned sealing rings for comfort, and the easy-access battery door.



Figure 2: Angled view of the Peltor Sport RangeGuard. This image provides a clear perspective of the earmuffs, showcasing their ergonomic design and the placement of the control knob on one of the earcups.

### **3M KIDS HEARING PROTECTION PRODUCT OVERVIEW**

The 3M Kids Hearing Protection earmuffs are designed to provide comfortable and effective hearing protection for children aged 3-12. They feature a flexible headband and padded ear cushions for a secure and comfortable fit.

# 3M™ Kids Hearing Protection



**22** NOISE REDUCTION RATING  
ANSI S3.19-1974 Certified



Figure 3: 3M Kids Hearing Protection features diagram. This image illustrates the key design elements including the flexible headband for a secure fit, the kid-friendly adjustable design for ages 3-12, the folding capability for portability, and the padded ear cushions for comfort. It also indicates the Noise Reduction Rating (NRR) of 22 dB.

# Flexible headband

For a secure fit that feels just right



Figure 4: A child wearing the 3M Kids Hearing Protection earmuffs. This image demonstrates how the earmuffs fit on a child, emphasizing the flexible headband for a secure and comfortable fit.

# Helps protect little ears from big sounds.

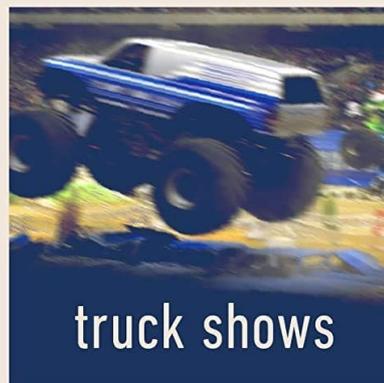
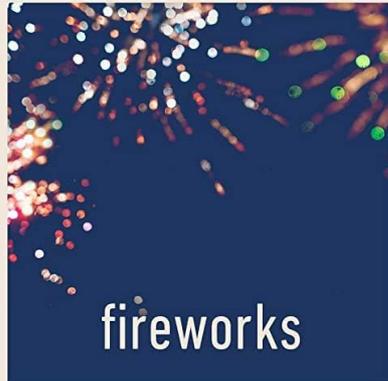


Figure 5: Examples of loud environments. This image shows common scenarios such as fireworks, concerts, stadium events, and truck shows where hearing protection is essential to prevent noise-induced hearing loss.

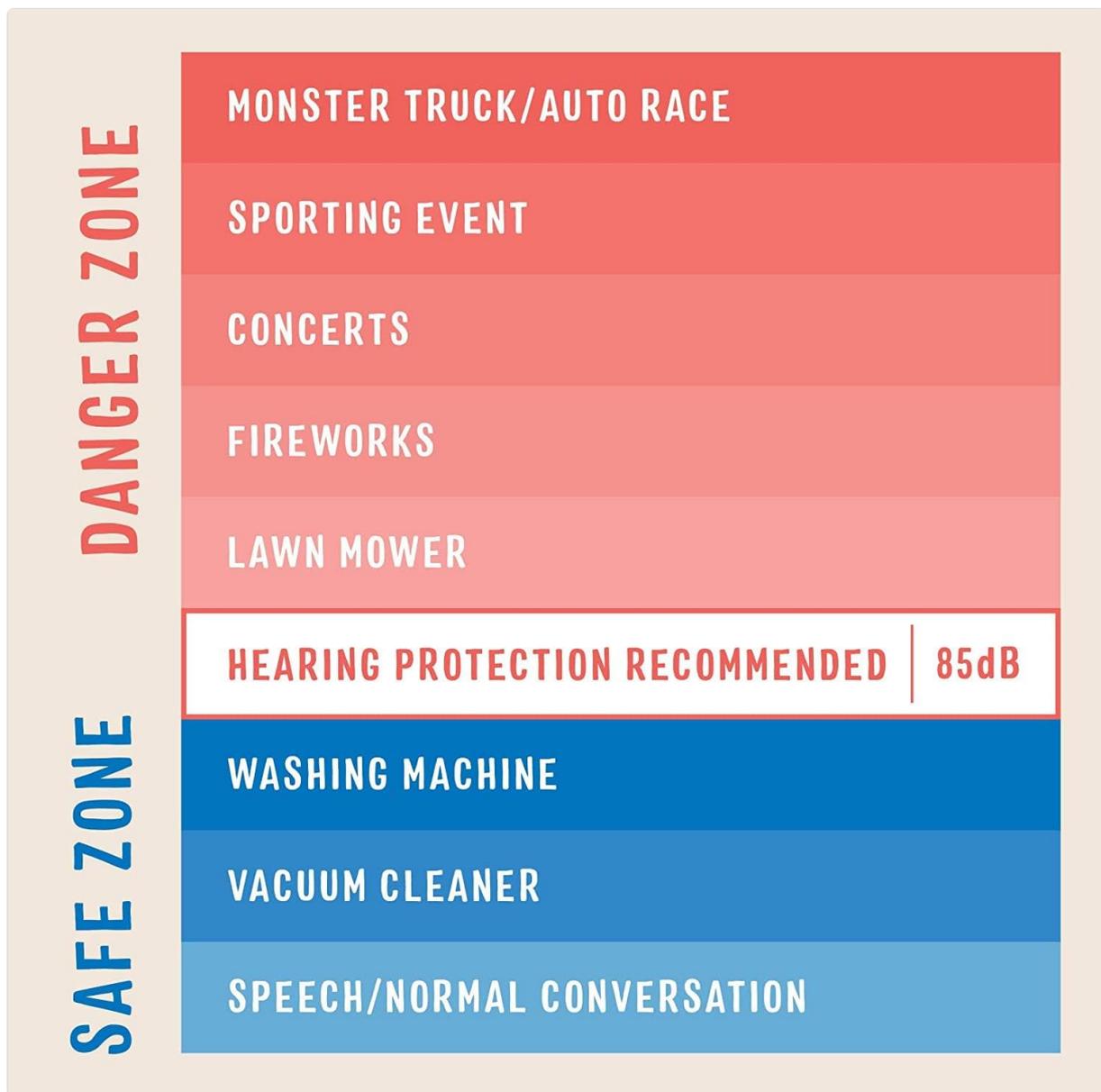


Figure 6: Decibel level chart. This chart categorizes various sound sources into "Safe Zone" and "Danger Zone," indicating that hearing protection is recommended for sounds at or above 85 dB, such as lawn mowers, fireworks, concerts, and sporting events.

## SETUP INSTRUCTIONS

### Peltor Sport RangeGuard

- Battery Installation:** Locate the easy-access battery door on one of the earcups (refer to Figure 1). Open the door and insert two (2) AAA batteries, ensuring correct polarity (+/-). Close the battery door securely.
- Adjusting Fit:** Extend the headband sliders to their maximum length. Place the earmuffs over your ears, ensuring the earcups fully cover your ears and create a seal. Adjust the headband by sliding the earcups up or down until a snug and comfortable fit is achieved. The headband should rest over the top of your head.
- Audio Input (Optional):** If desired, connect an external audio device (e.g., MP3 player, two-way radio) to the 3.5 mm audio input jack using the provided audio cable (refer to Figure 1).

### 3M Kids Hearing Protection

- Adjusting Fit:** Gently pull the earcups downwards to extend the headband. Place the earmuffs over the

child's ears, ensuring the earcups completely cover the ears. Adjust the headband by sliding the earcups up or down until a snug and comfortable fit is achieved. The headband should rest over the top of the child's head. Ensure no hair or clothing interferes with the seal around the ears.

2. **Folding for Storage:** To fold the earmuffs for portability, gently push the earcups inwards towards the headband until they collapse (refer to Figure 3).

## OPERATING INSTRUCTIONS (PELTOR SPORT RANGEGUARD)

1. **Power On/Off and Volume Control:** Locate the single on/off/volume control knob on the right earcup (refer to Figure 1). Rotate the knob clockwise to turn the unit on and increase the volume. Rotate counter-clockwise to decrease the volume and turn the unit off.
2. **Sound Amplification:** When powered on, the RangeGuard will amplify low-level sounds, allowing for improved communication and awareness of your surroundings.
3. **Noise Reduction:** The electronic circuitry automatically suppresses sudden loud noises, such as gunshots, to a safe level, while still allowing you to hear ambient sounds.
4. **External Audio:** If an external audio device is connected, its sound will be heard through the earmuffs. Adjust the volume on your external device as needed.

## MAINTENANCE

- **Cleaning:**
  - Wipe the exterior of both earmuffs with a damp cloth and mild soap. Do not immerse in water.
  - For Peltor Sport RangeGuard, ensure no moisture enters the microphone openings or battery compartment.
  - Clean ear cushions regularly to maintain hygiene and seal integrity.
- **Storage:** Store both products in a cool, dry place away from direct sunlight and extreme temperatures. For Peltor Sport RangeGuard, remove batteries if storing for extended periods to prevent leakage.
- **Ear Cushion Replacement (Peltor Sport RangeGuard):** Ear cushions and foam inserts should be replaced periodically (e.g., every 6 months or as needed) to maintain optimal noise reduction and hygiene. Refer to the manufacturer's website or authorized dealers for replacement kits and instructions.

## TROUBLESHOOTING (PELTOR SPORT RANGEGUARD)

| Problem                | Possible Cause                                                       | Solution                                                                     |
|------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------|
| No sound or low volume | Dead or incorrectly installed batteries.<br>Volume knob turned down. | Replace batteries, ensuring correct polarity.<br>Turn volume knob clockwise. |
| Distorted sound        | Low batteries. Moisture in microphones.                              | Replace batteries. Allow earmuffs to dry in a warm, dry place.               |
| Poor noise reduction   | Improper fit. Worn ear cushions.                                     | Adjust headband for a snug seal. Replace ear cushions.                       |

If problems persist after attempting these solutions, please contact customer support.

## SPECIFICATIONS

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### Peltor Sport RangeGuard

- **Noise Reduction Rating (NRR):** 21 dB
- **Battery Type:** 2 x AAA (not included)
- **Battery Life:** Approximately 300 hours
- **Audio Input:** 3.5 mm jack

### 3M Kids Hearing Protection

- **Noise Reduction Rating (NRR):** 22 dB
- **Recommended Age:** 3-12 years
- **Design:** Foldable for portability

## WARRANTY AND SUPPORT

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For warranty information, technical support, or replacement parts, please refer to the official Peltor or 3M websites or contact their customer service departments. Keep your proof of purchase for warranty claims.

**Peltor Sport Website:** [3M Peltor Sport](#)

**3M Customer Service:** Refer to the contact information provided with your product packaging or on the official 3M website.