Howard Leight Impact Sport - Green Adult Earmuff

Howard Leight Impact Sport Electronic Shooting Earmuff User Manual

Model: Impact Sport - Green Adult Earmuff
Brand: Howard Leight by Honeywell

1. Introduction

The Howard Leight by Honeywell Impact Sport Sound Amplification Electronic Shooting Earmuff is designed to provide superior hearing protection while enhancing situational awareness. Its built-in directional microphones amplify range commands and other ambient sounds to a safe 82 dB, ensuring natural listening and improved communication. When ambient sound reaches 82 dB, the amplification automatically shuts off, protecting your hearing. With a Noise Reduction Rating (NRR) of 22, these earmuffs are ideal for various loud environments, including shooting ranges, construction zones, and industrial settings.
This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Impact Sport earmuffs. Please read it carefully before use to ensure optimal performance and safety.

2. Key Features

- **Sound Amplification:** Built-in directional microphones amplify ambient sounds to a safe 82 dB.
- **Automatic Shut-off:** Amplification automatically shuts off when ambient sound reaches 82 dB.
- **Noise Reduction Rating (NRR):** Provides a NRR of 22 for effective hearing protection.
- **Low Profile Earcups:** Designed for firearm stock clearance.
- **Adjustable Headband:** Ensures a secure and comfortable fit for various head sizes.
- **Compact Folding Design:** Allows for convenient storage and portability.
- **AUX Input:** Includes a 3.5 mm connection cord for MP3 players and scanners.
- **Integrated Power/Volume Knob:** Easy-to-use control for power and sound levels.

- **Battery Life:** Approximately 350 hours of battery life with 2 AAA batteries and automatic shut-off after 4 hours.

3. Setup and Initial Use

3.1 Unfolding the Earmuffs

The Impact Sport earmuffs feature a compact folding design for easy storage. To unfold them for use:

1. Gently pull the earcups outwards from the headband.
2. Extend the headband to its full length.
3. Adjust the earcups so they are ready to be placed over your ears.



Figure 1: Howard Leight Impact Sport earmuffs in their unfolded, ready-to-use position.

3.2 Battery Installation

The earmuffs require 2 AAA batteries for electronic functions. To install or replace batteries:

1. Locate the battery compartment on one of the earcups. It is typically covered by a removable cap.

2. Gently pry open the battery compartment cover.
3. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.



Figure 2: Close-up view of the Howard Leight Impact Sport earmuff, highlighting the battery compartment and the integrated power/volume knob.

4. Operating Instructions

4.1 Power On/Off and Volume Control

The earmuffs feature an integrated power/volume knob for easy control:

1. To turn on the earmuffs, rotate the power/volume knob clockwise until you hear a click.
2. Continue rotating the knob clockwise to increase the amplification volume.
3. Rotate the knob counter-clockwise to decrease the volume.
4. To turn off the earmuffs, rotate the knob counter-clockwise until you hear a click.

4.2 Connecting External Audio Devices

The earmuffs include an AUX input for connecting external audio sources:

1. Locate the 3.5 mm AUX input jack on one of the earcups.
2. Connect the provided 3.5 mm connection cord (or a compatible cable) from your MP3 player, scanner, or other audio device to the AUX input.
3. Adjust the volume on your external device and the earmuffs for desired listening levels.

5. Maintenance and Care

Proper maintenance ensures the longevity and effectiveness of your earmuffs:

- **Cleaning:** Clean the earmuffs with a soft, damp cloth. Do not immerse in water. For the ear cushions, hand wash only.
- **Storage:** Store the earmuffs in a cool, dry place when not in use. Utilize the compact folding design to save space and protect the earcups.
- **Battery Life:** The automatic shut-off feature after 4 hours helps conserve battery life. Replace batteries when sound amplification becomes weak or distorted.
- **Inspection:** Regularly inspect the ear cushions and headband for any signs of wear, tear, or damage. Replace worn parts to maintain optimal noise reduction.



Figure 3: The earmuffs shown in their compact folded position, ideal for storage and transport. This demonstrates how the design aids in protecting the device when not in use.

6. 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 power/volume knob clockwise until it clicks.

Problem	Possible Cause	Solution
Distorted or weak sound.	Low batteries. Microphones are obstructed.	Replace batteries. Ensure microphones are clear of debris or obstructions.
Earmuffs do not fit securely.	Headband not properly adjusted.	Adjust the headband by sliding the earcups up or down the wire frames until a comfortable and secure fit is achieved.

7. Specifications

- **Noise Reduction Rating (NRR):** 22 dB
- **Sound Amplification:** Amplifies to 82 dB
- **Power Source:** 2 x AAA batteries (included)
- **Battery Life:** Approximately 350 hours
- **Automatic Shut-off:** After 4 hours
- **Audio Input:** 3.5 mm AUX jack
- **Weight:** 1.06 Pounds
- **Dimensions:** 10.12 x 6.54 x 4.61 inches (Package Dimensions)
- **Origin:** Made in USA

8. Warranty and Support

For warranty information and customer support, please refer to the official Howard Leight by Honeywell website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims. **Legal Disclaimer:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Please handle with care and follow all safety guidelines.

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For more information, visit the Howard Leight Store.