

PROTEAR E6850

PROTEAR Bluetooth 5.3 Hearing Protection Safety Earmuffs (Model E6850)

User Manual

1. INTRODUCTION

Welcome to your new PROTEAR Bluetooth 5.3 Hearing Protection Safety Earmuffs. These earmuffs are designed to provide certified hearing protection while allowing you to enjoy audio wirelessly via Bluetooth 5.3. They are suitable for various noisy environments such as mowing, workshops, and construction sites, ensuring both safety and entertainment.

2. KEY FEATURES

- **Advanced Bluetooth 5.3:** Enjoy faster pairing, a more stable connection, and wider range for seamless audio streaming and clear hands-free calls.
- **Certified Hearing Protection:** Features a 25dB Noise Reduction Rating (NRR) and 30dB Signal-to-Noise Ratio (SNR), certified by ANSI S3.19 and CE EN352-1, effectively blocking harmful noise.
- **Long Battery Life:** Powered by a 1200mAh rechargeable battery, providing up to 48+ hours of use in Bluetooth mode and over 120 hours in AUX mode on a single charge. USB-C port supports fast charging.
- **All-Day Comfort:** Lightweight design with an adjustable wide headband and soft, breathable ear cushions for extended wear without discomfort.
- **Jobsite-Ready & Portable:** Foldable design for easy storage and oversized buttons for simple operation, even when wearing gloves.

3. PACKAGE CONTENTS

- PROTEAR Bluetooth Hearing Protection Earmuffs
- USB-C Charging Cable
- Auxiliary Audio Cable (3.5mm)
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your PROTEAR E6850 earmuffs.

PROTEAR HEARING PROTECTION

Comfortable and Work-Friendly Design

Wide Headband



Thicker & Soft Ear Cushions



Oversized Buttons

Accurate Control Even
You Wearing Gloves.



AUX Port & Type-C
Battery Charging Port

This image displays the PROTEAR E6850 earmuffs, highlighting key components such as the wide, adjustable headband for comfort, thick and soft ear cushions for noise isolation, oversized control buttons for easy access, and the AUX port and USB-C charging port located on the ear cup.

SAFETY EARMUFFS

LISTEN SAFELY – IMMERSIVE SOUND WITH EAR-FRIENDLY NOISE CANCELLATION



Bluetooth 5.3



Hands-free Calling



Hi-Fi Sound



SNR 30dB

A close-up view of the ear cup showing the control panel with power, volume, and track navigation buttons. A blue LED indicator light is visible, along with a built-in microphone for hands-free calls. The soft and breathable ear pads are also visible.

5. SETUP

5.1 Adjusting the Earmuffs

The earmuffs feature an adjustable headband. Gently slide the ear cups up or down along the metal wires to achieve a comfortable and secure fit over your ears. Ensure the ear cushions fully seal around your ears for optimal noise protection.

Foldable & Lightweight

Slips easily into any bag



Adjustable Handband

Universal-fit adjustable headband accommodates every adult with zero pressure

This image illustrates the adjustable headband mechanism, showing how the ear cups can be moved to fit different head sizes. It also demonstrates the foldable design for compact storage.

5.2 Charging the Battery

Before first use, fully charge the earmuffs. Connect the provided USB-C charging cable to the charging port on one of the ear cups and the other end to a compatible USB power source (e.g., computer, wall adapter). The LED indicator will show charging status. A full charge provides up to 48+ hours in Bluetooth mode or 120+ hours in AUX mode.



An image detailing the rechargeable battery feature, showing the USB-C charging port and indicating a 1200mAh battery capacity, providing up to 48+ hours of Bluetooth playback and over 120 hours in AUX mode.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press and hold the power button (center button on the ear cup) for approximately 3 seconds to power the earmuffs on or off. A voice prompt will confirm the action.

6.2 Bluetooth Pairing

1. Ensure the earmuffs are powered off.
2. Press and hold the power button until the LED indicator flashes blue and red, indicating pairing mode.
3. On your device (smartphone, tablet), enable Bluetooth and search for "PROTEAR E6850" (or similar model name).
4. Select the earmuffs from the list of available devices to connect. The LED will turn solid blue once paired.



PIONEERING BLUETOOTH 5.3 TECH

This image shows a person wearing the earmuffs, with a visual representation of wireless Bluetooth connection to a smartphone, emphasizing the built-in microphone and hands-free calling capabilities.

6.3 Audio Playback and Call Control

The control buttons are located on the right ear cup:

- **Power Button (Center):** Press once to Play/Pause audio. Press once to Answer/End calls. Press and hold to Power On/Off.
- **Volume Up (Top Arrow):** Press to increase volume.
- **Volume Down (Bottom Arrow):** Press to decrease volume.
- **Next Track (Right Arrow):** Press to skip to the next track.
- **Previous Track (Left Arrow):** Press to restart the current track or go to the previous track.

6.4 Using the Auxiliary Input

For non-Bluetooth devices, use the provided 3.5mm auxiliary audio cable. Plug one end into the AUX port on the earmuffs and the other end into your audio device. Bluetooth functionality will be disabled when the AUX cable is connected.

7. SAFETY INFORMATION

These earmuffs provide a Noise Reduction Rating (NRR) of 25dB and a Signal-to-Noise Ratio (SNR) of

30dB, certified by ANSI S3.19 and CE EN352-1. They are designed to protect your hearing in noisy environments.

Always ensure a proper fit to achieve the stated noise reduction. Prolonged exposure to loud noises, even with hearing protection, can cause hearing damage. Refer to the noise exposure chart below for guidance.

25dB NRR

Listen Safer

Blocks noise so you can listen at safer volumes.



CE
EN352-1

ANSI
S3.19-1974

80dB	90dB	100dB	110dB	120dB	130dB	140dB
≤ 8h	≤ 2h	≤ 15mins	< 1 min	Avoid	Avoid	Avoid

An infographic illustrating the 25dB NRR and 30dB SNR ratings, along with a chart showing recommended maximum exposure times for various noise levels (80dB, 90dB, 100dB, 110dB, 120dB, 130dB, 140dB) to emphasize safe listening practices.

8. MAINTENANCE

8.1 Cleaning

Wipe the earmuffs with a soft, damp cloth. Do not use abrasive cleaners or immerse the earmuffs in water.

8.2 Storage

When not in use, store the earmuffs in a clean, dry place. The foldable design allows for compact storage.

9. TROUBLESHOOTING

9.1 No Power

- Ensure the battery is charged. Connect to a power source using the USB-C cable.
- Press and hold the power button for 3 seconds to turn on.

9.2 Cannot Pair via Bluetooth

- Ensure the earmuffs are in pairing mode (flashing blue and red LED).
- Make sure your device's Bluetooth is enabled and within range.
- Forget the device from your phone's Bluetooth settings and try pairing again.
- Ensure no other Bluetooth devices are interfering.

9.3 No Sound

- Check the volume level on both the earmuffs and your connected device.
- Ensure the earmuffs are properly paired or the AUX cable is securely connected.
- If using AUX, ensure Bluetooth is disconnected.

10. SPECIFICATIONS

Feature	Detail
Model Number	E6850
Brand	PROTEAR
Bluetooth Version	5.3
Noise Reduction Rating (NRR)	25dB
Signal-to-Noise Ratio (SNR)	30dB
Battery Capacity	1200mAh
Battery Type	Lithium Polymer (included)
Charging Port	USB-C
Playback Time (Bluetooth)	Up to 48+ hours
Playback Time (AUX)	Up to 120+ hours
Item Weight	10.6 ounces (0.3 Kilograms)
Package Dimensions	7.56 x 6.06 x 4.17 inches
Color	Black
Certifications	ANSI S3.19, CE EN352-1
Age Range	Adult

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official PROTEAR website. Keep your proof of purchase for warranty claims.

