

PRYME BTH-900

PRYME BTH-900-EMB Bluetooth Dual Ear Muff Headset User Manual

Model: BTH-900-EMB

1. INTRODUCTION

The PRYME BTH-900-EMB is a professional-grade Bluetooth dual ear muff headset designed for racing and demanding communication environments. It features a racing-style design with an over-the-head adjustable strap and a behind-the-head spring steel band for a secure fit. This headset offers dual Bluetooth operation, allowing simultaneous connection to cellphones or tablets and two-way radios. It integrates Bluetooth technology directly into the headset, eliminating external boxes and wires.

2. SAFETY INFORMATION

- Do not expose the headset to extreme temperatures, moisture, or corrosive substances.
- Avoid disassembling or modifying the headset, as this may void the warranty and cause damage.
- Use only the provided charging cable and wall charger to prevent damage to the battery and headset.
- Ensure the headset is securely fitted to prevent accidental detachment during use.
- Prolonged exposure to loud sounds may cause hearing damage. Adjust volume to a safe level.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- PRYME BTH-900-EMB Bluetooth Dual Ear Muff Headset
- USB Charging Cable
- Wall Charger
- User Manual (this document)

4. PRODUCT OVERVIEW

The BTH-900-EMB headset features sealed rubber control switches for positive user feedback and protection against dust and moisture. It includes a noise-reducing condenser boom microphone with a wind sock.



Figure 1: PRYME BTH-900-EMB Bluetooth Dual Ear Muff Headset. This image shows the overall design of the headset, including the ear muffs, adjustable headband, and boom microphone.

Controls and Indicators:

- **PTT Button:** Large button for Push-to-Talk radio communication, designed for use with heavy gloves.
- **Cellphone Control Buttons:** Separate buttons for answering and making calls on a connected cellphone.
- **Two-Color LED Indicator:** Displays status for power, low voltage, and Bluetooth connection status.

5. SETUP

5.1 Charging the Headset

1. Connect the provided USB charging cable to the headset's charging port.
2. Plug the other end of the USB cable into the wall charger and then into a power outlet.
3. The LED indicator will show the charging status. A full charge typically provides approximately 10 hours of operating time and 50 hours of standby time.

5.2 Powering On/Off

- **To Power On:** Press and hold the Power button (refer to product diagram for exact location) until the LED indicator illuminates.
- **To Power Off:** Press and hold the Power button until the LED indicator turns off.

5.3 Bluetooth Pairing

The BTH-900-EMB supports dual Bluetooth linking, allowing connection to two devices simultaneously (e.g., a cellphone and a two-way radio).

1. **Enter Pairing Mode:** With the headset powered off, press and hold the Power button for approximately 5-7 seconds until the LED indicator flashes rapidly, indicating pairing mode.
2. **Pair with First Device (e.g., Cellphone):**
 - On your cellphone or tablet, go to Bluetooth settings and search for new devices.
 - Select "PRYME BTH-900-EMB" from the list of available devices.
 - Once connected, the LED indicator will change to a steady blue or flash slowly.
3. **Pair with Second Device (e.g., Two-Way Radio):**
 - After pairing the first device, put the headset back into pairing mode if necessary (some headsets automatically allow a second pairing).
 - On your Bluetooth-enabled two-way radio or Bluetooth radio adapter, initiate the pairing process.
 - Select "PRYME BTH-900-EMB" from the radio's device list.
 - The headset will confirm connection, and the LED indicator will reflect the dual-linked status.

6. OPERATING INSTRUCTIONS

6.1 Two-Way Radio Communication (PTT)

Once paired with a two-way radio, use the large PTT button on the headset for radio transmissions.

- **To Transmit:** Press and hold the PTT button. Speak clearly into the boom microphone.
- **To Receive:** Release the PTT button. Audio from the radio will be heard through the ear muffs.

6.2 Cellphone Call Management

When paired with a cellphone, use the dedicated cellphone control buttons.

- **Answer Call:** Press the "Answer" button once when a call comes in.
- **End Call:** Press the "End Call" button once during a call.
- **Make Call:** Initiate calls from your cellphone. Audio will route to the headset.

6.3 LED Indicator Status

The two-color LED indicator provides visual feedback on the headset's status:

- **Rapid Flashing (e.g., Red/Blue):** Pairing mode.
- **Slow Flashing (e.g., Blue):** Connected/Standby.
- **Solid (e.g., Red):** Charging.
- **Flashing (e.g., Red):** Low battery.

7. MAINTENANCE

- **Cleaning:** Wipe the headset with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Ear Pad Replacement:** The foam ear pads are designed to be replaceable. Refer to the manufacturer's guidelines for purchasing and installing replacement ear pads, including gel-type upgrades for enhanced comfort.
- **Microphone Replacement:** The noise-reducing condenser boom microphone with wind sock is also replaceable. Contact PRYME support for replacement parts.
- **Storage:** Store the headset in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Headset does not power on.	Low or depleted battery.	Charge the headset using the provided USB cable and wall charger.
Cannot pair with a device.	Headset not in pairing mode; device's Bluetooth is off; out of range.	Ensure headset is in pairing mode (rapidly flashing LED). Turn on Bluetooth on your device. Move device closer to headset (within 10 meters/30 feet).
No audio or poor audio quality.	Volume too low; headset not properly connected; microphone obstructed.	Adjust volume on headset and connected device. Re-pair the headset. Check microphone for obstructions and ensure it is positioned correctly.
Dual-linking not working.	Incorrect pairing sequence; one device not fully connected.	Ensure both devices are paired correctly as per Section 5.3. Disconnect and re-pair both devices.

9. SPECIFICATIONS

- **Model:** BTH-900-EMB
- **Bluetooth Version:** 3.0, Class 2
- **Bluetooth Profiles:** HSP, HFP, A2DP, AVRCP
- **Operating Range:** Approximately 10 meters (30 feet)
- **Operating Time:** Approximately 10 hours
- **Standby Time:** Approximately 50 hours
- **Charging Port:** USB type
- **Operating Temperature:** -15° C to +50° C
- **Ear Placement:** Over Ear
- **Noise Control:** Passive Noise Cancellation
- **Microphone:** Noise-reducing condenser boom microphone with wind sock
- **Material:** Rubber (Enclosure)
- **Water Resistance Level:** Water Resistant
- **Compatible Devices:** Bluetooth-enabled Phones, Two-Way Radios, Existing Bluetooth Radio Adapters, Kenwood & Icom Radios with Built-in Bluetooth

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the PRYME official website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.

PRYME Customer Support:

Visit [PRYME Store on Amazon](#) for more information and contact options.

