Nolan BNCOM52700009

Nolan N-COM B4 Communication System

User Manual for Nolan N104 Helmet

1. INTRODUCTION

The Nolan N-COM B4 Communication System is an advanced Bluetooth communication device designed specifically for seamless integration with the Nolan N104 helmet. This system provides a comprehensive solution for in-helmet communication and entertainment, significantly enhancing the riding experience. It allows riders to stay connected, entertained, and informed while on the road.

2. PRODUCT FEATURES

- **Mobile Phone Connectivity:** Supports answering, hanging up, voice commands, and redialing the last number (for compatible phones).

- **MP3 Player Audio Streaming:** Control playback (Play, Pause, Stop, Skip) directly from the helmet via A2DP and AVRCP profiles.

- **Built-in FM Radio:** Features a search function and six station pre-settings for convenient listening.

- **GPS Navigation System Integration:** Receive audio directions from compatible GPS units.

- **Bike-to-Bike Intercom:** Bluetooth communication with other riders up to 800 meters in open field conditions without obstacles.

- **Rider/Passenger Intercom:** Seamless Bluetooth communication between rider and passenger.

- **Multi-Bike Intercom:** Supports 4-bike intercom functionality with one-to-one communication and call functions.

- **Automatic Audio Management:** Automatic exclusion of intercom and connected audio sources during phone conversations, with automatic reconnection upon call completion.

- **Conference Call Function:** Enables a 3-way telephone call between the pilot, passenger, and an external caller.

- **Broad Compatibility:** Compatible via Bluetooth with all Bluetooth communication systems from the N-Com, X-Series, and MULTI lines.

3. COMPATIBILITY

The Nolan N-COM B4 Communication System is **specifically designed for the Nolan N104 helmet**, ensuring a perfect fit and optimal performance. It is also compatible via Bluetooth with other communication systems within the Nolan N-Com, X-Series, and MULTI lines.

4. PACKAGE CONTENTS

The Nolan N-COM B4 Basic Kit includes the following components:

- High-quality audio speakers
- Rechargeable battery
- Bluetooth electronics module
- Bluetooth antenna
- Noise-dampening microphone
- Ergonomic control keyboard
- Micro USB connector cable
- 3.5mm jack connector

Figure 1: Retail packaging of the Nolan N-COM B4 Communication System.

5. SETUP AND INSTALLATION

The N-COM B4 system is designed for quick and user-friendly installation within the Nolan N104 helmet. Follow these general guidelines for installation:

1. **Preparation:** Ensure the helmet interior is clean and dry before beginning installation.
2. **Component Placement:** Carefully position the speakers, microphone, and control unit according to the helmet's designated N-COM slots.
3. **Cable Routing:** Route all cables neatly and securely to avoid interference with helmet components or rider comfort. Ensure cables do not obstruct ventilation or padding.
4. **Secure Connections:** Make sure all connectors are firmly seated.

For detailed installation steps, refer to the diagrams below which illustrate the component placement and quick installation process.
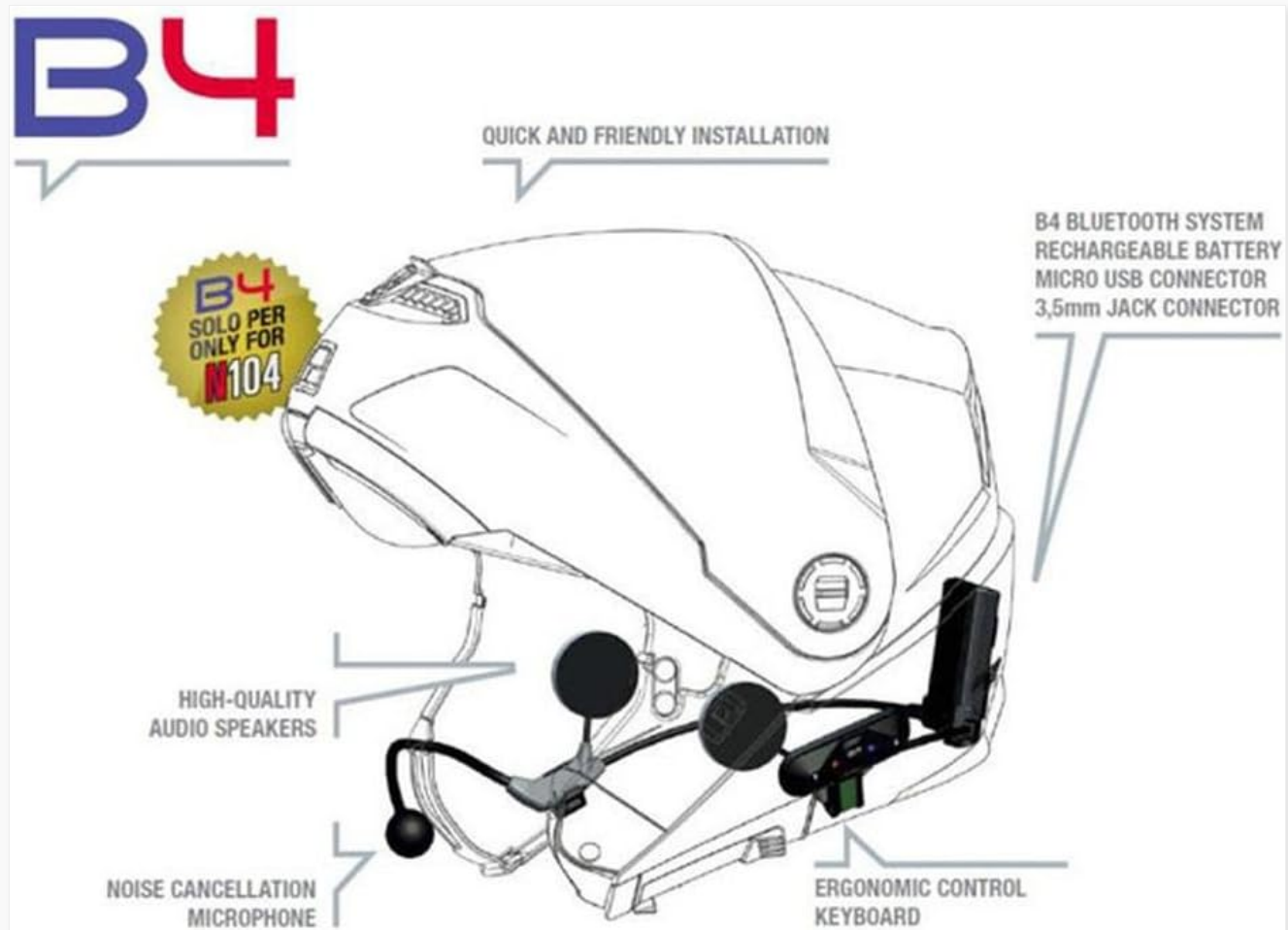

Figure 2: Diagram illustrating the quick and friendly installation of the B4 system components within the Nolan N104 helmet.

Figure 3: Detailed view of the N-COM B4 system components, including speakers, microphone, and control unit, integrated into a helmet.

Firmware Updates

Firmware updates are periodically released to improve performance and add new features. To update your N-COM B4 system:

1. Download the N-COM Wizard software from the official Nolan N-COM website to your PC.
2. Connect your N-COM B4 unit to your PC using the micro USB cable.
3. Follow the on-screen instructions provided by the N-COM Wizard to perform the update. Ensure the unit remains connected throughout the process.

6. OPERATING INSTRUCTIONS

Familiarize yourself with the ergonomic control keyboard to operate the N-COM B4 system effectively.

- **Power On/Off:** Press and hold the main control button for approximately 4 seconds until an audible confirmation tone is heard.
- **Volume Control:** Use the dedicated volume buttons (usually '+' and '-') to adjust the audio levels for all functions.
- **Phone Calls:**
  - *Answering/Ending Calls:* Press the phone button once.
  - *Voice Commands:* Activate your phone's voice assistant by pressing and holding the phone button (functionality depends on your mobile device).
  - *Redial Last Number:* Double-press the phone button.
- **Music Playback:** When connected to an A2DP MP3 player, use the control keyboard to Play, Pause, Stop, and Skip tracks.

- **FM Radio:** Activate the FM radio function. Use the search function to scan for stations and save your preferred frequencies to the six available presets.
- **Intercom Communication:**

  - *Rider/Passenger:* Initiate intercom communication with a paired passenger.
  - *Bike-to-Bike:* Establish communication with other paired N-COM systems. The system supports both one-to-one and multi-bike (up to 4 bikes) communication.

- **GPS Navigation:** Audio directions from a paired GPS unit will automatically override other audio sources (e.g., music, radio) when active, ensuring you receive critical navigation prompts.

7. MAINTENANCE

- **Battery Charging:** Charge the rechargeable battery using the provided micro USB cable. Ensure the unit is fully charged before long rides to maximize operating time.
- **Cleaning:** Clean the unit, speakers, and microphone with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the components.
- **Storage:** When not in use for extended periods, store the N-COM B4 system in a cool, dry place, away from direct sunlight and extreme temperatures.
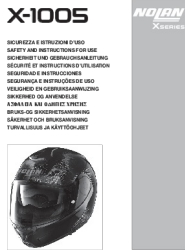
8. TROUBLESHOOTING

If you encounter issues with your Nolan N-COM B4 system, refer to the following common troubleshooting steps:

- **No Power:** Ensure the battery is fully charged. Check that the unit is properly connected and the power button is pressed for the correct duration.
- **Audio Issues (No Sound/Distorted Sound):** Verify that the speakers are correctly connected and positioned within the helmet. Adjust the volume levels. Ensure there is no interference from other electronic devices.
- **Bluetooth Pairing Failure:** Ensure the N-COM B4 unit is in pairing mode. Delete any previous pairings on your mobile device or GPS and retry the pairing process. Keep devices within close proximity during pairing.
- **Intercom Range Issues:** The effective range of the intercom can be affected by obstacles, terrain, and environmental conditions. Ensure a clear line of sight for optimal performance.
- **Firmware Update Problems:** If a firmware update fails, ensure you are using the correct N-COM Wizard software version and that the unit remains connected to the PC throughout the entire update process. Refer to the official Nolan N-COM support website for specific instructions and troubleshooting guides for software-related issues.
- **Unit Behaves Erratically:** Try performing a factory reset (refer to the official manual for specific button combinations) or power cycling the unit by turning it off and on again.

9. SPECIFICATIONS

Specification	Detail
Model Number	BNCOM52700009

Dimensions (L x W x H)	25.4 x 17.78 x 8.89 cm (10 x 7 x 3.5 inches)
Weight	453.59 g (1 lb)
Connectivity	Bluetooth
Power Source	Rechargeable Battery
Helmet Compatibility	Nolan N104 Helmet
Intercom Range	Up to 800 meters (open field)
Material	Rubber (for certain components)

10. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries regarding your Nolan N-COM B4 Communication System, please refer to the official Nolan N-COM website or contact your authorized Nolan dealer. It is recommended to keep your proof of purchase for any warranty claims.

Visit the official Nolan N-COM website for the latest software updates, FAQs, and additional support resources.

Related Documents - BNCOM52700009

[Nolan X-903: Safety and Instructions for Use](#)
Comprehensive guide to the Nolan X-903 motorcycle helmet, covering safety features, usage instructions, maintenance, and care for optimal performance and rider protection.

[Nolan N90-3 Helmet: Safety and Usage Instructions](#)
Comprehensive guide to the Nolan N90-3 modular helmet, covering safety features, usage instructions, maintenance, and assembly of components like the visor and Pinlock system.
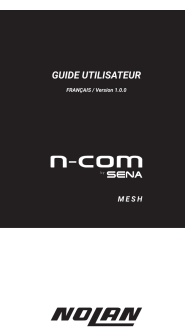
[NOLAN X-1005 Motorcycle Helmet: Safety and User Instructions](#)

Comprehensive guide for the NOLAN X-1005 motorcycle helmet, covering safety features, usage instructions, maintenance, cleaning, and component assembly/disassembly. Ensure safe and optimal use of your NOLAN helmet.

[Nolan N70-2 X Helmet: Safety and Instructions for Use](#)

Comprehensive guide to the Nolan N70-2 X motorcycle helmet, covering safety, usage, maintenance, and assembly instructions for optimal performance and protection.

[N-Com MESH User Manual - Sena & Nolan Intercom System](#)

User manual for the N-Com MESH intercom system by Sena and Nolan. This guide provides detailed instructions on setup, operation, Mesh Intercom, Wave Intercom, Bluetooth pairing, audio multitasking, and troubleshooting for motorcycle helmets.

[Nolan N100-6 Modular Helmet: Safety and Instructions](#)

Comprehensive guide to the Nolan N100-6 modular helmet, covering safety, usage, maintenance, and features like the Dual Action chin guard and VPS sun shield.