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FreedConn FREE+

FreedConn FREE+ Motorcycle Bluetooth Headset

User Instruction Manual

Model: FREE+

Introduction

Thank you for choosing the FreedConn FREE+ Motorcycle Bluetooth Headset. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device. Please read this manual thoroughly before use to ensure optimal performance and safety. The FREE+ headset is designed for seamless group communication with MESH 2.0 technology, advanced AI noise reduction, and Hi-Res audio, making it an ideal companion for motorcycle riders.



Image: The FreedConn FREE+ Motorcycle Bluetooth Headset, showcasing its compact design and control buttons.

Setup

Initial Power On

To power on the FreedConn FREE+ headset, press and hold the power button for approximately 2 seconds until the indicator lights illuminate. A voice prompt will confirm the device is powered on and indicate the battery level.

Installation Steps

The FREE+ headset is designed for easy installation into most motorcycle helmets. Follow these general steps for proper mounting:

1. **Prepare Accessories:** Ensure all necessary mounting accessories, such as Velcro stickers and the 3M clip, are available.
2. **Earphone Placement:** Securely attach the earphone Velcro to the designated reserved positions inside the helmet.
3. **Earphone Adhesion:** Press the earphone firmly onto the attached Velcro to ensure proper adhesion.
4. **Microphone Placement:** Position the microphone Velcro in the reserved space within the helmet, typically near the

mouth area.

5. **Microphone Adhesion:** Press the microphone firmly onto its Velcro to secure it.
6. **Main Unit Mounting:** Glue the 3M clip to the left edge of the helmet exterior.
7. **Attach Main Unit:** Align the main headset unit with the mounted clip and press it slightly until it clicks into place.
8. **Connect Headphone Cable:** Plug the headphone cable from the earphones and microphone into the corresponding port on the main headset unit.



Image: A visual guide demonstrating the step-by-step installation process of the FreedConn FREE+ headset into a motorcycle helmet.

Operating Instructions

MESH 2.0 Networking and Intercom

The FREE+ headset features MESH 2.0 technology, allowing for seamless group communication with up to 256 riders. The first device to initiate a MESH network becomes the default leader, controlling access for other devices.

- **Creating a MESH Network:** With both FREE+ devices powered on, press and hold the MESH key on the first device for 2 seconds. This device will become the network leader.
- **Joining a MESH Network:** For subsequent devices, press and hold the MESH key for 2 seconds to join the existing network. Up to 256 devices can join in this manner.
- **Allow/Forbid Joining:** The network leader can toggle permission for new devices to join the network by pressing the MESH key. This allows the leader to manage who can access the communication channel.
- **Channel Switching:** MESH intercom supports 5 channels. You can switch channels by double-clicking the volume up or volume down keys. Users in different channels will not interfere with each other.
- **Microphone Scramble:** MESH intercom requires microphone scramble for communication. Only four people are allowed to speak simultaneously: one leader and three mobile microphones. The leader's microphone is always

active and does not need to contend for speaking time.

- **Private Chat:** To initiate a private chat with another specific FREE+ host device, double-click the volume up keys of the two devices you wish to connect privately.

▶ **Watch video online**
mesh network of free+

Video: A demonstration of the FreedConn FREE+ MESH 2.0 networking and intercom functions, including creating a network, joining, and managing participants.

Description: This video illustrates how to set up and operate the MESH 2.0 feature, showing the process of connecting multiple headsets for group communication. It covers initial power-on, creating a network, adding devices, and managing communication channels.



Image: Illustration of multiple riders using FreedConn MESH V2.0 technology for seamless group communication, highlighting anti-interference and fast transmission speed.

AI-Powered Noise Reduction

The FREE+ headset incorporates an advanced AI chip for superior noise reduction. This technology effectively eliminates wind, engine, and environmental noise, ensuring crystal-clear voice quality even at speeds up to 120 km/h. This feature enhances communication clarity and comfort during rides.

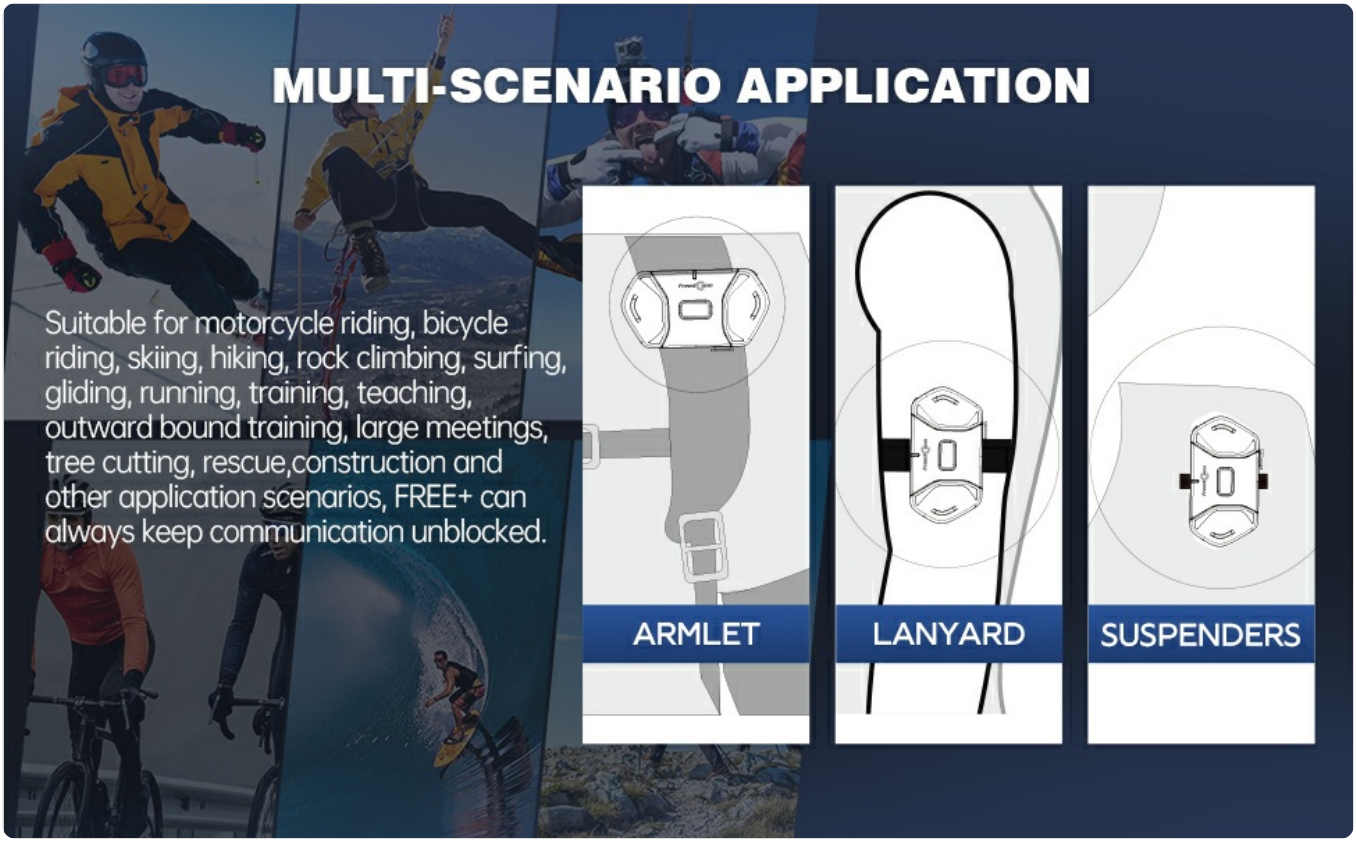


Image: A visual representation of the AI Noise Reduction technology, showing how it filters out wind and engine noise for clearer communication.

Triple-Core System for Unlimited Connectivity

Equipped with Bluetooth 5.2, AI noise reduction, and MESH 2.0, the FREE+ headset offers versatile connectivity. It can seamlessly pair with various devices including GPS systems, smartphones, action cameras, and even third-party Bluetooth helmet headsets, ensuring universal compatibility for your riding needs.

Music Playback and Sharing

Enjoy Hi-Res certified audio with six times the quality of CD sound. The headset also supports music sharing, allowing two riders to listen to the same song simultaneously. To adjust the intercom volume while music is playing, you must first pause the music by pressing the multifunction key, then adjust the volume using the volume up or down keys.

Microphone Control

To turn off the microphone during an intercom session, click the MESH key and the Volume minus key simultaneously. This will mute your microphone, preventing others in the team from hearing your voice. To restore the intercom microphone, click the MESH key and Volume minus key again in the same way.

Battery Status Check

After turning on the MESH intercom, double-click the MESH key to hear a voice prompt indicating the current channel and remaining battery level.

Maintenance

The FreedConn FREE+ headset is built with IP67 durability, making it waterproof and resistant to dust, snow, and rain. To ensure the longevity and optimal performance of your headset, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to wipe down the exterior of the headset. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** When not in use for extended periods, store the headset in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging:** Always use the provided charging cable and a compatible power source. Avoid overcharging the battery.
- **Connections:** Periodically check all cable connections for any signs of wear or damage. Ensure they are securely plugged in.

Troubleshooting

If you encounter any issues with your FreedConn FREE+ headset, please refer to the following common troubleshooting tips:

- **No Power:** Ensure the battery is charged. Connect the headset to a power source and allow it to charge for at least 30 minutes before attempting to power on again.
- **Pairing Issues:** Make sure both devices are in pairing mode. Clear previous pairings on both devices and try pairing again. Ensure devices are within the recommended range.
- **Poor Audio Quality:** Check the volume levels on both the headset and the connected device. Ensure the microphone is not muted. Verify that the headset is securely installed and the speakers are properly positioned in the helmet.
- **Intercom Disconnection:** If the intercom disconnects frequently, ensure all devices are within range and there are no major obstructions. For MESH networks, ensure the leader device is stable.
- **No Sound from Microphone:** Check if the microphone is turned off (refer to Microphone Control section). Ensure the microphone is properly connected to the main unit.
- **Device Unresponsive:** Try performing a soft reset by holding down the power button for an extended period (e.g., 10-15 seconds) until the device powers off, then restart it.

If the problem persists after attempting these steps, please contact FreedConn customer service for further assistance.

Specifications

Feature	Detail
Model Name	FREE+
Connectivity Technology	Wireless, Bluetooth 5.2
Noise Control	Active Noise Cancellation (AI-Powered)
Battery Capacity	1200mAh
Charging Time	90 minutes

MESH Intercom Time	Up to 9 hours
Music Playback Time	Up to 20 hours
Water Resistance Level	IP67 Waterproof
Audio Quality	Hi-Res Certified Audio
Control Type	Button Control
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	5.87 x 4.53 x 2.64 inches
Item Weight	13.7 ounces

Warranty and Support

Your FreedConn FREE+ Motorcycle Bluetooth Headset comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For any questions, technical support, or warranty claims, please contact FreedConn customer service.
You can also visit the official FreedConn store for more information and support resources:FreedConn Official Store
The product package includes a user manual for your convenience.

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