Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

FreedConn R1 PRO

FreedConn R1 PRO Motorcycle Bluetooth Headset and 2K Camera Recorder

User Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your FreedConn R1 PRO Motorcycle Bluetooth Headset with 2K Camera Recorder. Please read this manual thoroughly before using the device to ensure proper functionality and safety.



Figure 1.1: FreedConn R1 PRO Main Unit. This image displays the compact black unit with a camera lens on one end and control buttons on the side, designed for helmet mounting.

2. What's in the Box

Verify that all components are present in your package:

- FreedConn R1 PRO Main Unit
- Microphone & Speakers (2-in-1 Soft & Hard Mic Earphone)
- USB Cable
- Hook Clip and Velcro Clip
- Headphone Velcro
- Allen Key
- User Manual
- 64GB TF Card (included)



Figure 2.1: Contents of the FreedConn R1 PRO package. This image shows the main unit, microphone and speakers, USB cable, mounting clips, headphone velcro, Allen key, and user manual laid out.

▶ **Watch video online**
Freedconn R1 PRO Unboxing

Video 2.1: FreedConn R1 PRO Unboxing. This video demonstrates the unboxing process and displays all items included in the product package.

3. Setup and Installation

3.1 Attaching to Helmet

The R1 PRO can be attached to most motorcycle helmets using the provided hook clip or velcro clip. Choose the method that best suits your helmet type and ensures a secure fit.

1. Select the appropriate clip (hook or adhesive velcro).
2. Position the clip on the side of your helmet, ensuring it does not obstruct your vision or helmet functionality.

3. Secure the R1 PRO main unit onto the installed clip.

3.2 Connecting Speakers and Microphone

Connect the 2-in-1 soft & hard mic earphone to the R1 PRO unit. Carefully route the speaker wires inside the helmet, positioning the speakers over your ears and the microphone near your mouth for optimal audio clarity.



Figure 3.1: FreedConn R1 PRO mounted on a helmet, illustrating its compact design and various features. The image highlights the unit's placement on the side of a helmet.

3.3 Initial Charging

Before first use, fully charge the R1 PRO unit using the provided USB cable. The charging time is approximately 2.5 hours.



Figure 3.2: Illustration of the 1500mAh high-capacity battery, showing recording time (4.5 hours), music time (48 hours), and charging time (2.5 hours).

4. Operating Instructions

4.1 Power On/Off

Refer to the device's specific buttons for power control. Typically, a long press on the main power button will turn the unit on or off.

4.2 Bluetooth Pairing

To pair with your mobile device:

1. Ensure the R1 PRO is powered off.
2. Press and hold the main button until the indicator light flashes red and blue, indicating pairing mode.
3. On your mobile device, enable Bluetooth and search for "FreedConn R1 PRO".

4. Select the device to pair. A successful connection will be indicated by a blue light.

The R1 PRO utilizes Bluetooth 5.0 technology for efficient and stable wireless communication.

4.3 Intercom Function

The R1 PRO supports full-duplex intercom communication for 2 to 8 riders, with a maximum range of up to 1500 meters under optimal conditions. Refer to the detailed manual for group pairing procedures.



Figure 4.1: Visual representation of the 1500-meter intercom range for up to 8 riders, showing multiple riders connected along a winding road.

4.4 Camera Operation

The integrated 2K camera features a 120-degree wide-angle lens, capable of recording vivid 30FPS high-definition videos and capturing 4MP high-definition images. The included 64GB TF card provides ample storage.



Figure 4.2: Depiction of the 2K ultra-clear shooting capability, comparing 2K and 1080P video quality with a focus on the camera lens.

4.5 FM Radio

Activate the built-in FM radio function to listen to local broadcasts during your ride. Refer to the manual for specific button presses to scan and select stations.

4.6 Music Sharing

The R1 PRO supports music sharing, allowing you to enjoy the same audio with another paired rider. Consult the full manual for instructions on initiating music sharing.

4.7 Noise Reduction

Equipped with advanced CVC/DSP noise reduction technology, the R1 PRO minimizes ambient noise, ensuring clear communication even at speeds up to 120 km/h. The 40mm high-fidelity stereo speakers deliver excellent audio performance across frequencies.



Figure 4.3: Graphic illustrating the DSP & CVC intelligent noise reduction feature, showing how it cuts noise by up to 96% on calls.

5. Maintenance

5.1 Cleaning

Wipe the unit with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners that could damage the device.

5.2 Battery Care

To prolong battery life, avoid fully discharging the unit frequently. Store the device in a cool, dry place when not in use for extended periods.

5.3 Water Resistance

The R1 PRO is rated IP65 water-resistant, meaning it is protected against dust ingress and low-pressure water jets from any direction. It supports riding in heavy rain and dusty conditions, but it is not designed for submersion.



Figure 5.1: A motorcycle rider in the rain, demonstrating the IP65 waterproof and dustproof capabilities of the FreedConn R1 PRO.

6. Troubleshooting

- **Device not powering on:** Ensure the battery is charged. Connect to a power source and try again.
- **Cannot pair via Bluetooth:** Make sure the R1 PRO is in pairing mode (flashing red and blue). Turn off and on your phone's Bluetooth. Clear previous pairings if necessary.
- **No audio from speakers:** Check speaker connections to the main unit. Ensure volume is not set to minimum.
- **Intercom not connecting:** Verify all units are within range and in intercom pairing mode. Follow the specific intercom pairing steps in the full manual.
- **Camera not recording:** Check if the TF card is properly inserted and has sufficient free space. Ensure the camera function is activated according to the manual.
- **Poor audio quality:** Adjust microphone position closer to your mouth. Ensure speakers are aligned with your ears. CVC/DSP noise reduction should be active.

7. Technical Specifications

Feature	Specification
Model Name	R1 PRO
Bluetooth Version	5.0
Bluetooth Range	Up to 100 meters (device to phone)
Intercom Range	Up to 1500 meters (2-8 riders)
Camera Resolution	2K (2560x1440) 30FPS Video, 4MP Images
Camera Lens Angle	120-degree wide-angle
Noise Control	CVC/DSP Active Noise Cancellation
Battery Capacity	1500mAh (Lithium Polymer)
Charging Time	2.5 Hours
Recording Time	Approx. 4.5 Hours
Music Time	Approx. 48 Hours
Water Resistance Level	IP65
Material	Plastic (ABS or PC)
Item Weight	0.34 Kilograms (approx. 12 ounces)
Included Components	Main unit, Mic/Speakers, USB cable, Mounting clips, Headphone Velcro, Allen Key, User Manual, 64GB TF Card

8. Warranty and Support Information

FreedConn products are designed for reliability and performance. For warranty details, product registration, or technical support, please refer to the official FreedConn website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
For additional assistance, you may visit the FreedConn Store on Amazon.

© 2024 FreedConn. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the

question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0CQ4MRR4C

More documents and user manuals: **https://manuals.plus/**