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

FreedConn R1 Pro Motorbike helmet intercom headset

FreedConn R1 Pro Motorcycle Bluetooth Helmet Intercom with Camera User Manual

Model: R1 Pro Motorbike helmet intercom headset

Brand: FreedConn

1. Product Overview

The FreedConn R1 Pro is an advanced motorcycle communication system designed to enhance your riding experience. It integrates a high-resolution 2K camera, a 6-way Bluetooth intercom, and multimedia features like FM radio and music sharing. This device ensures clear communication and allows you to capture your journeys with ease.
Key features include:

- Integrated 2K video recording with a 140° ultra-wide lens and one-touch capture.
- 6-way wireless intercom communication up to 1000 meters.
- Bluetooth 5.0 for stable connections and simultaneous pairing with two devices.
- Music sharing capability between two R1 Pro units.
- DSP echo cancellation and noise simulation technology for clear audio.
- IP65 waterproof design for all-weather use.
- Long-lasting 1500mAh battery.



Figure 1.1: The FreedConn R1 Pro motorcycle Bluetooth intercom with integrated camera.

2. Package Contents

Before proceeding with installation, please verify that all items listed below are present in your package:

- FreedConn R1 Pro Bluetooth Intercom Unit
- 2-in-1 Soft & Hard Mic Earphone Set
- Hook Clip and Velcro Clip for Helmet Mounting
- Headphone Velcro Pads
- USB Charging Cable (Type-C)
- Allen Key
- User Manual (this document)



Figure 2.1: Illustration of the FreedConn R1 Pro package contents, including the main unit, microphone/speaker set, mounting clips, and accessories.

3. Setup and Installation

3.1 Charging the Device

Before first use, fully charge the R1 Pro unit. Connect the provided USB Type-C cable to the charging port on the device and plug the other end into a USB power adapter (not included) or a computer USB port. The charging time is approximately 2 hours.



Figure 3.1: The R1 Pro unit connected to a charging cable, indicating the charging process.

3.2 Mounting on Helmet

The R1 Pro can be mounted using either the hook clip or the Velcro clip, depending on your helmet type and preference.

1. **Choose Mounting Method:**
    - **Hook Clip:** Ideal for helmets with a suitable edge to clamp onto. Securely attach the clip to the side of your helmet.
    - **Velcro Clip:** Suitable for helmets where clamping is not feasible. Adhere the Velcro base to a clean, flat surface on your helmet.
2. **Attach the R1 Pro Unit:** Slide the R1 Pro unit onto the chosen mounting clip until it clicks securely into place.



Figure 3.2: The FreedConn R1 Pro unit attached to the side of a motorcycle helmet.

3.3 Installing Speakers and Microphone

The R1 Pro comes with a 2-in-1 microphone and speaker set, suitable for various helmet types.

1. **Speaker Placement:** Use the provided headphone Velcro pads to secure the speakers inside your helmet's ear pockets. Ensure they are positioned directly over your ears for optimal sound quality.
2. **Microphone Selection and Placement:**
    - **Hard Microphone:** Recommended for open-face or modular helmets. Position the microphone boom close to your mouth.
    - **Soft Microphone:** Recommended for full-face helmets. Adhere the soft microphone inside the chin bar, close to your mouth.
3. **Connect to R1 Pro:** Plug the speaker and microphone cable into the corresponding port on the R1 Pro unit.



Figure 3.3: Diagrams illustrating the installation of the hard microphone (left) and soft microphone (right) within different helmet types.

4. Operating Instructions

4.1 Power On/Off

- **Power On:** Press and hold the Power button for approximately 3 seconds until the indicator light turns on.
- **Power Off:** Press and hold the Power button for approximately 3 seconds until the indicator light turns off.

4.2 Bluetooth Pairing

The R1 Pro can connect to two Bluetooth devices simultaneously, such as your mobile phone, GPS, or another intercom unit.

1. **Pairing Mode:** With the device off, press and hold the Power button for about 5-7 seconds until the indicator light flashes red and blue alternately.
2. **Connect to Device:** On your mobile phone or GPS, search for Bluetooth devices and select "FreedConn R1 Pro". Once connected, the indicator light will turn blue.
3. **Pairing with Other Intercoms:** Follow the pairing instructions for the other intercom unit. The R1 Pro is compatible with other FreedConn models and some other brands.

4.3 Intercom Function

The R1 Pro supports 6-way intercom communication up to 1000 meters.

- **Initiate Intercom:** Press the Intercom button once to start a connection with a paired intercom unit.
- **Switch Intercom:** If multiple units are paired, press the Intercom button repeatedly to cycle through connected riders.
- **End Intercom:** Press the Intercom button again to end the intercom conversation.

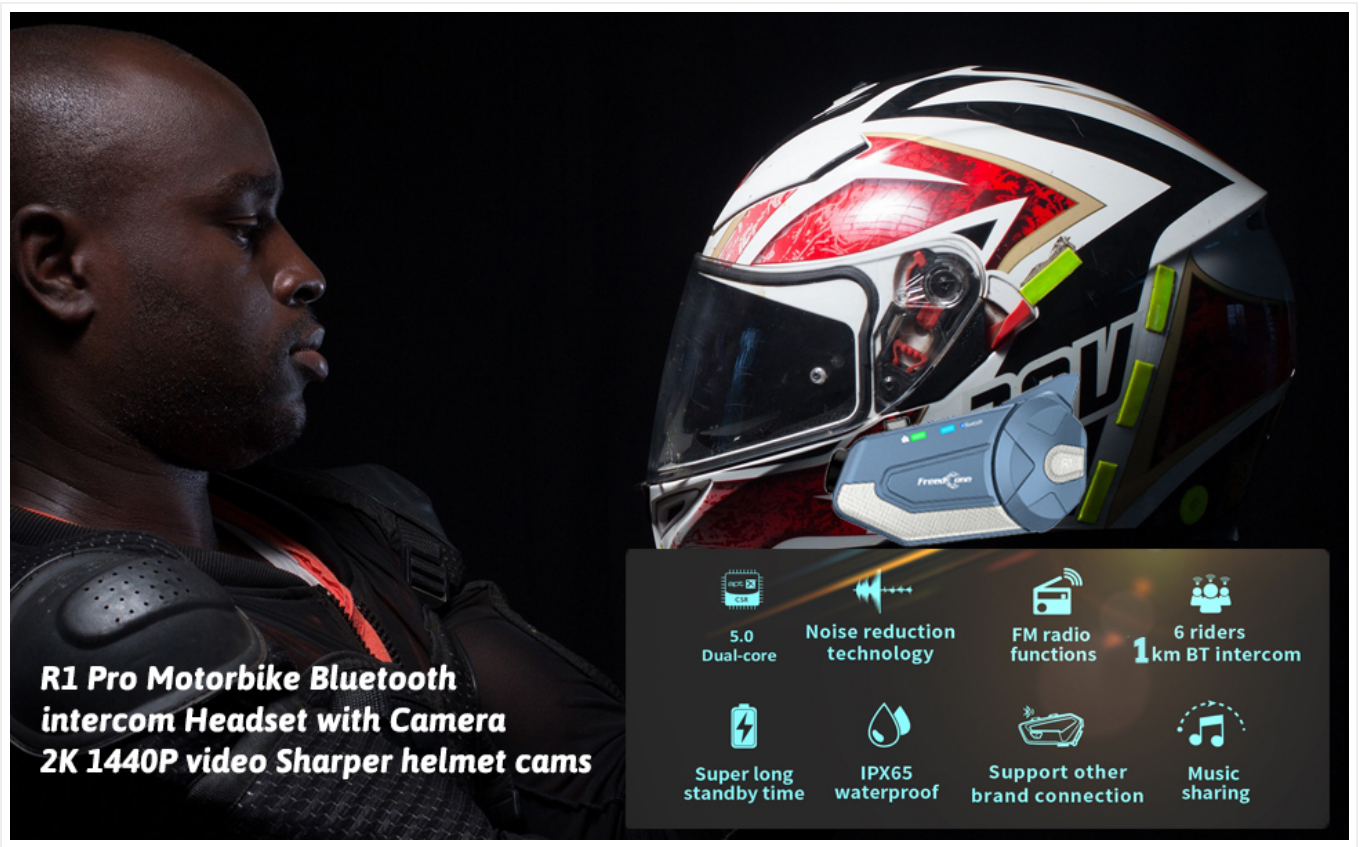


Figure 4.1: Diagram illustrating the wireless communication capabilities of the FreedConn R1 Pro, showing multiple riders connected.

4.4 Music Playback and Sharing

- **Play/Pause:** Press the Multi-function button once to play or pause music from your connected phone.
- **Next/Previous Track:** Use the Volume Up/Down buttons to skip tracks.
- **Volume Control:** Rotate the jog dial or use dedicated volume buttons (if present) to adjust volume.
- **Music Sharing:** The R1 Pro supports sharing music with another R1 Pro unit on the same motorcycle. Refer to the specific instructions in the full manual for initiating music sharing.



Figure 4.2: Visual representation of two FreedConn R1 Pro units sharing music, highlighting the music sharing feature.

4.5 FM Radio

- **Turn On/Off FM:** Press the FM button (if available) or a combination of buttons as specified in the full manual to activate/deactivate the FM radio.
- **Scan Stations:** Use the appropriate buttons to scan for available FM stations.

4.6 Video Recording

The R1 Pro features a 2K camera with a 140° ultra-wide lens for capturing high-quality video of your rides.

- **Start/Stop Recording:** Press the Camera button once to start recording. Press it again to stop.
- **Photo Capture:** While recording or in standby, a quick press of the Camera button may capture a still image.
- **Viewing Footage:** Download the "RoadCam" application on your mobile phone to view recorded videos and photos via Wi-Fi. You can also set the mute mode for video recording within the app.



Figure 4.3: Close-up of the FreedConn R1 Pro unit highlighting its 2K 140-degree ultra-wide lens for video recording.



Figure 4.4: The R1 Pro unit with a helmet, illustrating the built-in WiFi feature for downloading pictures and videos to a mobile device.

4.7 Call Management and Voice Control

- **Answer Call:** Incoming calls are automatically answered after a few rings. You can also press the Multi-function button to answer.
- **Reject Call:** Press and hold the Multi-function button to reject an incoming call.
- **End Call:** Press the Multi-function button to end an ongoing call.
- **Voice Dialing (Siri/Google Assistant):** With your phone connected, press the Voice Assistant button (if available) or a specific combination to activate your phone's voice assistant (e.g., Siri, Google Assistant).

5. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the R1 Pro unit. Do not use harsh chemicals or abrasive cleaners.
- **Water Resistance:** The device is IP65 waterproof, meaning it is protected against dust and low-pressure water jets. While it can handle rain, avoid submerging it in water. Ensure all ports are securely closed when not in use.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if storing it for extended periods.
- **Storage:** Store the R1 Pro in a cool, dry place away from direct sunlight and extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device for at least 2 hours.
Cannot pair with phone/intercom.	Device not in pairing mode; too far apart; interference.	Ensure R1 Pro is in pairing mode (flashing red/blue). Move devices closer. Restart both devices.
No sound from speakers.	Speakers not connected properly; volume too low.	Check speaker connection to the R1 Pro unit. Increase volume.
Poor video quality or excessive wind noise in recordings.	Environmental factors; microphone placement.	Ensure microphone is correctly positioned inside the helmet. Wind noise is a common challenge with external microphones at high speeds; consider using the RoadCam app's mute feature for video recording if audio is not critical.

Problem	Possible Cause	Solution
Intercom connection drops frequently.	Beyond range; obstacles; interference.	Stay within the 1000m range. Reduce obstacles between units.

7. Specifications

Feature	Detail
Model Name	R1 Pro
Bluetooth Version	5.0
Intercom Range	Up to 1000m (6 riders)
Video Resolution	2K (1440P)
Camera Lens Angle	140° Ultra-wide
Battery Capacity	1500mAh Lithium-polymer
Charging Time	Approx. 2 hours
Video Recording Time	Approx. 4.5 hours
Water Resistance Level	IP65
Connectivity	Bluetooth, Wi-Fi
Memory Card Support	Up to 256GB (not included)
Material	ABS Plastic
Microphone Technology	DSP Echo Cancellation, Noise Simulation
Compatible Devices	Mobile phones, GPS, other intercom brands

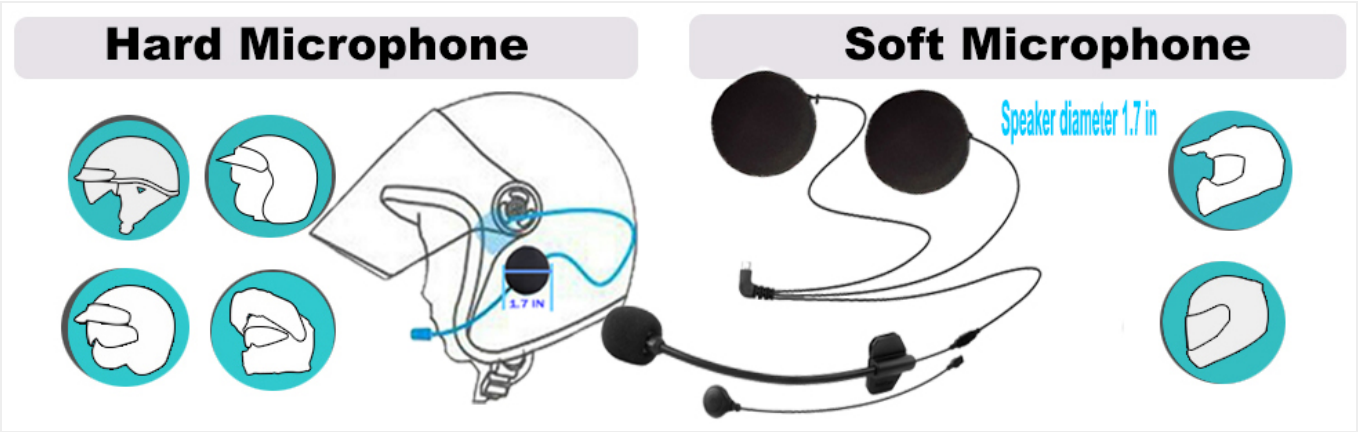


Figure 7.1: Illustration of the R1 Pro's 1500mAh battery, emphasizing its long-lasting power for extended use.

8. Warranty and Support

The FreedConn R1 Pro comes with a **2-year warranty** from the date of purchase, covering manufacturing defects. **Return Policy:** You are eligible for a refund or replacement within 30 days of purchase, subject to the seller's return policy. For any questions, technical support, or warranty claims, please contact the seller**Zongreat-UK** directly through the "Ask a question" feature on the product's purchase page.

Please retain your proof of purchase for warranty validation.

© 2025 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/B0B93CK88R

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