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FreedConn COLO-RC+L3

FreedConn COLO-RC Motorcycle Bluetooth Headset User Manual

Model: COLO-RC+L3

Introduction

The FreedConn COLO-RC Motorcycle Bluetooth Headset with L3 Handlebar Remote Controller is designed to provide seamless communication and entertainment for motorcyclists. This device offers a maximum talking range of 1000 meters between two riders and supports communication among up to 3 riders simultaneously. It functions as a Bluetooth hands-free system for mobile phones, allowing for safe auto-receiving calls and last number redial.

Key features include FM Radio, A2DP support for wireless music/audio streaming from Bluetooth devices or GPS, and NFC functionality for easy mobile phone connection. The system is designed for heavy-duty performance, is water-resistant, and features DSP echo cancellation and noise suppression technology for clear voice quality at high speeds. The included L3 handlebar remote controller enhances operational convenience during rides.

Product Overview and Components

Familiarize yourself with the components included in your package and the main parts of the COLO-RC headset and L3 remote controller.

Package Contents:



Image: Overview of all items included in the FreedConn COLO-RC headset package, showing two Bluetooth receivers, two remote controls, two headsets with hard cables, mounting clips, USB cables, a screwdriver, earphone pads, and interchangeable shells.

- 2 x Bluetooth Receiver (COLO-RC Main Unit)
- 2 x Remote Control (L3 Handlebar Remote)
- 2 x Headset (Hard cable Headphone with microphone)
- 2 x Headsets Clip&Fastening Screws
- 2 x USB Cable
- 1 x Screw Driver
- 8 x Felted Adhesive Earphone Pads
- 4 x Shells (2 Red, 2 Silver - for main unit customization)
- 1 x User Manual (This document)
- *Note: Adapter not included (can be charged by any phone adapter).*

Main Unit and Remote Controller Parts:



Image: Diagram illustrating the components of the FreedConn COLO-RC headset, including the ear speaker, noise-canceling microphone, multi-function button (MFB), headset plug, charger and headset socket, volume controls, and power/intercom button.



Image: Detailed diagram showing the button functions on both the COLO-RC main unit (Power/Intercom, Volume control, NFC contact point, MFB) and the L3 handlebar remote (PTT, Volume up/last song, MFB, Volume down/next song).



Image: Various views of the L3 handlebar remote controller, highlighting its compact design and button layout for easy access while riding.

The main unit features a Power/Intercom button, volume controls, a multi-function button (MFB), and an NFC contact point. The L3 remote includes buttons for Push-to-Talk (PTT), volume/track control, and a multi-function button.

Setup

1. Charging the Device

Before first use, fully charge the COLO-RC main unit. Connect the provided USB cable to the charging port on the unit and plug the other end into a USB power adapter (not included) or a computer USB port. The LED indicator will show charging status.

- Charging Time: Approximately 2.5 hours
- Standby Time: Up to 300 hours
- Talking Time (Intercom): Up to 5 hours
- Talking Time (Cell Phone): Up to 10 hours

2. Installing the Headset on Your Helmet

The COLO-RC headset can be installed on most types of motorcycle helmets using the provided clip and screws.



Image: The FreedConn COLO-RC main unit shown next to a motorcycle helmet with the headset already installed, demonstrating its compact size and placement on the helmet's side.

1. Attach the headset clip to the side of your helmet using the fastening screws. Ensure it is securely mounted.
2. Slide the COLO-RC main unit onto the clip until it clicks into place.
3. Insert the ear speakers into the helmet's ear pockets, ensuring they are positioned comfortably over your ears.
4. Position the noise-canceling microphone in front of your mouth for optimal voice pickup.

3. Installing the L3 Handlebar Remote Controller

The L3 remote controller can be easily mounted on your motorcycle's handlebar for convenient access to controls.



Image: Illustration showing the L3 handlebar remote controller being attached to a motorcycle handlebar, indicating a simple slide-on mechanism for installation.

1. Locate a suitable position on your motorcycle's handlebar.
2. Slide the L3 remote onto the handlebar and secure it firmly.

4. Bluetooth Pairing (Main Unit with Mobile Phone)

To connect your COLO-RC headset to your mobile phone:

1. Ensure the COLO-RC unit is off.
2. Press and hold the MFB (Multi-Function Button) on the COLO-RC unit until the LED indicator flashes red and blue alternately, indicating pairing mode.
3. On your mobile phone, enable Bluetooth and search for new devices.
4. Select "FreedConn COLO-RC" from the list of available devices.
5. If prompted for a password, enter "0000".
6. Once paired, the LED indicator on the COLO-RC unit will flash blue slowly.

5. NFC Connection (Mobile Phone)

For NFC-enabled phones, simply touch your phone to the NFC contact point on the COLO-RC main unit to establish a quick Bluetooth connection.

6. Intercom Pairing (Multiple COLO-RC Units)

The COLO-RC supports real two-way wireless communication between 3 riders. For optimal performance, pair units one by one.



Image: Diagram illustrating the various connectivity options of the FreedConn COLO-RC, including rider-to-rider intercom (full duplex), rider-to-pillion intercom, wireless connection to GPS and MP3 players, and Bluetooth A2DP connection to a mobile phone for calls and music.

1. Ensure both COLO-RC units are off.
2. On Unit A, press and hold the Power/Intercom button until the LED flashes red and blue alternately.
3. On Unit B, press and hold the Power/Intercom button until the LED flashes red and blue alternately.
4. Briefly press the Power/Intercom button on either Unit A or Unit B. The units will search for each other and connect. Once connected, the LED on both units will flash blue slowly.
5. To pair a third unit (Unit C), repeat the process with one of the already paired units (e.g., Unit B and Unit C).

Operating Instructions

1. Power On/Off

- **Power On:** Press and hold the Power/Intercom button for approximately 3 seconds until the blue LED flashes.
- **Power Off:** Press and hold the Power/Intercom button for approximately 5 seconds until the red LED flashes and then turns off.

2. Volume Control

- **Increase Volume:** Press the "+" button on the COLO-RC unit or the "Volume Up" button on the L3 remote.
- **Decrease Volume:** Press the "-" button on the COLO-RC unit or the "Volume Down" button on the L3 remote.

3. Phone Call Functions

- **Answer Call:** When a call comes in, the headset will automatically answer after a few rings. Alternatively, briefly press the MFB on the COLO-RC unit or the phone button on the L3 remote.
- **End Call:** Briefly press the MFB on the COLO-RC unit or the phone button on the L3 remote.
- **Reject Call:** Press and hold the MFB on the COLO-RC unit or the phone button on the L3 remote for 2 seconds.
- **Last Number Redial:** Double-press the MFB on the COLO-RC unit or the phone button on the L3 remote.

4. Music Playback (A2DP)

Once paired with a Bluetooth music device (e.g., smartphone, MP3 player), you can stream music wirelessly.

- **Play/Pause:** Briefly press the MFB on the COLO-RC unit.
- **Next Track:** Briefly press the "Volume Up" button on the L3 remote.
- **Previous Track:** Briefly press the "Volume Down" button on the L3 remote.

5. FM Radio Function

- **Turn On FM Radio:** Double-press the MFB on the COLO-RC unit when not in a call or intercom.
- **Scan Stations:** Briefly press the "+" or "-" button on the COLO-RC unit to scan for the next/previous station.
- **Turn Off FM Radio:** Double-press the MFB on the COLO-RC unit again.

6. Intercom Communication

After pairing, you can initiate intercom communication with other COLO-RC users.

- **Start Intercom:** Briefly press the Power/Intercom button on the COLO-RC unit.
- **End Intercom:** Briefly press the Power/Intercom button again.
- **PTT (Push-to-Talk) on L3 Remote:** Press and hold the PTT button on the L3 remote to speak, release to listen. This is primarily for group communication where one speaks at a time.

7. Switching Between Functions

The COLO-RC unit allows seamless switching between phone calls, intercom, and stereo music. The system prioritizes functions as follows: Phone Call > Intercom > Music/FM Radio.

- An incoming phone call will interrupt intercom or music.
- Intercom communication will pause music.

Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the unit. Do not use harsh chemicals or abrasive cleaners.
- **Water Resistance:** The unit is designed to be water-resistant for all-weather use. However, avoid submerging the device in water. Ensure all ports are dry before charging.
- **Storage:** Store the device in a cool, dry place when not in use. Avoid extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in active use for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully.
No sound from speakers.	Volume too low; Headset not properly connected; Speakers misplaced.	Increase volume; Ensure headset plug is fully inserted; Adjust speaker position in helmet.

Problem	Possible Cause	Solution
Cannot pair with mobile phone.	Device not in pairing mode; Bluetooth on phone is off; Too many paired devices.	Ensure device is in pairing mode (flashing red/blue); Turn on phone's Bluetooth; Clear previous pairings on phone and retry.
Intercom not connecting.	Units not in pairing mode; Out of range; Already connected to another device.	Ensure both units are in intercom pairing mode; Move closer to each other; Disconnect from other devices (e.g., phone) before initiating intercom pairing.
Poor audio quality (echo/noise).	Microphone position; Environmental noise.	Adjust microphone closer to mouth; Ensure microphone is not obstructed; DSP noise cancellation is active, but extreme noise may still affect quality.

Specifications

Feature	Detail
Bluetooth Version	2.1+EDR
Frequency	2.4GHz
Bluetooth Profiles Supported	A2DP and AVRCP
Maximum Intercom Range	1000 meters (1094 yards) between two riders
Bluetooth Handsfree Range	Up to 10 meters
Intercom Riders Supported	3 riders pairing, 2 riders intercom simultaneously
Battery Type	Rechargeable Polymer 320mAh
Talking Time (Intercom)	Up to 5 hours
Talking Time (Cell Phone)	Up to 10 hours
Standby Time	Up to 300 hours
Weight (excluding accessories)	45 grams
Dimensions (L x W x H)	90mm x 40mm x 17mm
Water Resistance Level	Water Resistant
Special Features	NFC, FM Radio, DSP Echo Cancellation, Noise Suppression, L3 Handlebar Remote Control, Interchangeable Shells

Warranty and Support

For warranty information and technical support, please refer to the official FreedConn website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance or inquiries, please visit:www.freedconn.com

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