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FreedConn TCOM SC

FreedConn TCOM-SC Bluetooth Helmet Intercom System User Manual

Model: TCOM SC

1. Introduction

The FreedConn TCOM-SC is a Bluetooth helmet intercom system designed for motorcycle riders. It offers full-duplex communication for up to 3 riders (2 simultaneously), hands-free calling, music playback, FM radio, GPS voice prompts, and music sharing. Featuring an LCD screen for easy status checks and a durable, waterproof design, it enhances communication and entertainment during rides.

2. Package Contents

Please verify that all items are present in your package:

- FreedConn TCOM-SC Intercom Unit (x2)
- Stereo Speakers with Microphone (boom and soft-wire options)
- USB Charging Cable
- Helmet Mounting Brackets and Adhesives
- User Manual



Image: Illustration of the FreedConn TCOM-SC package contents, showing two intercom units, speakers, microphones, charging cables, and various mounting accessories.

3. Product Overview

The TCOM-SC unit features an LCD display, multi-function button, jog wheel, power/intercom button, charger/headset socket, and noise-canceling microphone. It supports both boom and soft-wire microphones for different helmet types.



Image: Detailed diagram illustrating the various components and controls of the FreedConn TCOM-SC intercom unit, including the LCD display, multi-function button, jog wheel, and connection ports.

4. Setup

4.1. Installation

The TCOM-SC is designed for easy installation on various helmet types (open, full, half-face). Attach the unit using the provided clamp or adhesive mount, ensuring the speakers are positioned correctly inside the helmet for optimal audio. Connect the microphone and speakers to the unit.

4.2. Charging

Before first use, fully charge the device. Connect the USB charging cable to the Type-C charging port on the unit and a power source. A full charge takes approximately 2.5 hours, providing up to 10 hours of talk/music playback and 300 hours of standby time.

4.3. 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 5 seconds until the indicator light turns off.

4.4. Bluetooth Pairing (Phone)

To pair your TCOM-SC with a mobile phone:

1. Ensure the TCOM-SC is off.
2. Press and hold the power button for 6-10 seconds until the red and blue lights flash alternately, indicating pairing mode. The LCD screen will display "PAIRING".
3. On your phone, go to Bluetooth settings and search for "TCOM-SC".
4. Select "TCOM-SC" to connect. Once connected, the blue light will flash slowly.

▶ **Watch video online**
FreedConn R1Plus pair with phone via bluetooth, Connect APP

Video: This video demonstrates the process of pairing the FreedConn R1Plus (similar to TCOM-SC) with a mobile phone via Bluetooth. It shows how to enter pairing mode and connect through the phone's settings.

4.5. Intercom Pairing (Device to Device)

To pair two TCOM-SC units for intercom communication:

1. Ensure both TCOM-SC units are off.
2. On both units, press and hold the power button for 6-10 seconds until the red and blue lights flash alternately, indicating pairing mode. The LCD screen will display "PAIRING".
3. On one of the units, briefly press the power button to initiate the search for another intercom.
4. Once connected, the LCD screen will show "INTERCOM" and the blue lights on both units will flash slowly.

The TCOM-SC supports pairing with up to 3 riders, with 2 riders able to communicate simultaneously.

4.6. SD Card Mounting

The TCOM-SC supports an SD card (up to 64GB) for recording. Locate the SD card slot, insert the card until it clicks into place, and then close the protective cover.

▶ **Watch video online**
Motorcycle Bluetooth Headset FreedConn R1Plus operation

Video: This video demonstrates how to insert an SD card into the FreedConn R1Plus (similar to TCOM-SC) unit for recording purposes.

5. Operating Instructions

5.1. Music Playback

- **Start/Pause:** While music is playing on your phone, press the multi-function button once to pause. Press again to resume.
- **Volume Adjustment:** Turn the jog wheel clockwise to increase volume, counter-clockwise to decrease volume.
- **Next/Previous Track:** Turn the jog wheel clockwise and hold briefly for the next track. Turn counter-clockwise and hold briefly for the previous track.

▶ **Watch video online**
FreedConn KY PRO Motorcycle Bluetooth Headset

Video: This video illustrates how to control music playback, including starting, pausing, adjusting volume, and switching tracks, using the FreedConn KY PRO (similar to TCOM-SC) headset.

5.2. Call Management

- **Automatic Answer:** If a call rings for 15 seconds without any operation, it will be answered automatically.
- **Manual Answer:** Press the multi-function button once to answer an incoming call.
- **Reject Call:** Press and hold the multi-function button for 2 seconds to reject an incoming call.
- **Hang Up:** Press the multi-function button once during a call to hang up.

▶ **Watch video online**
FreedConn KY PRO Motorcycle Bluetooth Headset

Video: This video demonstrates various call management functions, including automatic and manual answering, rejecting, and hanging up calls, using the FreedConn KY PRO (similar to TCOM-SC) headset.

5.3. Voice Commands

When connected to a mobile phone, long press the multi-function button for 2 seconds to activate the voice control function (e.g., Siri, Google Assistant) on your mobile phone.

▶ **Watch video online**
FreedConn KY PRO Motorcycle Bluetooth Headset

Video: This video shows how to activate voice commands on a mobile phone using the FreedConn KY PRO (similar to TCOM-SC) headset.

5.4. FM Radio

- **Turn On/Off:** In music or standby mode, double-press the multi-function button to turn on the FM radio. Double-press again to turn it off.
- **Volume Adjustment:** Turn the jog wheel clockwise to increase volume, counter-clockwise to decrease volume.
- **Channel Adjustment:** Turn the jog wheel clockwise and hold briefly for the next station. Turn counter-clockwise and hold briefly for the previous station.

▶ **Watch video online**
FreedConn KY PRO Motorcycle Bluetooth Headset

Video: This video demonstrates how to initiate the FM radio function, adjust volume, and change channels using the FreedConn KY PRO (similar to TCOM-SC) headset.

5.5. Music Sharing

To share music between two paired TCOM-SC units:

1. Ensure both devices are paired via intercom.
2. On the device playing music, press the on/off button once to exit intercom mode.
3. Double-press the on/off button on the device that needs to share music to start music sharing mode. After 1-2 seconds, you will hear "Turn on Share".
4. To stop music sharing, press the multi-function button again to pause the music. Then, double-press the on/off button. You will hear "Turn off Share".

▶ **Watch video online**
FreedConn KY PRO Motorcycle Bluetooth Headset Music Sharing

Video: This video provides instructions on how to activate and deactivate the music sharing feature between two FreedConn KY PRO (similar to TCOM-SC) headsets.

5.6. Recorder Function & App Usage

The TCOM-SC can function as a motorcycle driving recorder when an SD card is inserted. You can connect it to a mobile app for control and playback.

1. **Recorder Power On:** Long press the video button (often integrated with the power button) for about 3 seconds until a green light appears, indicating the recorder is on.
2. **WiFi Connection for App:** Press and hold the WiFi button on the unit until you hear a prompt tone. On your phone, go to WiFi settings and connect to the "Freedconn" network (default password: 12345678).
3. **App Setup:** Open the GoPlus Cam app. For first-time use, go to settings and enable "Set Wifi sport Cam Time".
4. **Recording Duration:** In the app settings, you can set the loop recording duration (e.g., 1, 2, 3, 5, or 10 minutes).
5. **Formatting Memory Cards:** Use the app settings to format the SD card.
6. **Video Playback:** Access recorded videos through the app. If there is no sound during playback, download the video to your phone first.

▶ **Watch video online**
Motorcycle Bluetooth Headset FreedConn R1Plus operation

Video: This video demonstrates the operation of the FreedConn R1Plus (similar to TCOM-SC) recorder, including powering it on, connecting to the WiFi app, setting recording duration, formatting the SD card, and playing back videos.

6. Troubleshooting

- **Cannot connect TCOM-SC with phone or other FreedConn device:**Ensure the device is in pairing mode (red and blue lights flashing alternately). Turn off the item and try again by pressing and holding the power button for 6-10 seconds until "PAIRING" is displayed.
- **No sound on left/right speaker:** Verify that the speakers are plugged into the port tightly. If the issue persists, contact customer support.
- **Compatibility with other brands:** The FreedConn TCOM-SC Bluetooth helmet intercom system is primarily compatible with FreedConn TCOM-SC, T-COMVB, BM2-S, and BM12 models. It supports phone, MP3, and most GPS devices but may not connect with other brands of Bluetooth communication systems.
- **Switching Chinese and English Prompt Tone:** Under power-on state, press the "on/off" button and "multi-function" button at the same time.
- **Turn off Automatic Answering Function:** In the power-on state, press the "on/off" button and turn the "knob clockwise" once to turn on and off the function of automatic answering calls.
- **Clear Pairing Records:** Press the on/off button for 8 seconds until you see the red light flashes quickly for 3 times. At this time, the pairing record is cleared successfully.

7. Specifications

Feature	Detail
Model Number	TCOM SC
Connectivity Technology	Wireless (Bluetooth 5.0)
Intercom Range	Up to 800 meters (bike-to-bike)
Battery Capacity	400mAh Rechargeable Lithium Polymer
Charging Time	2.5 Hours
Talk/Music Playback Time	Up to 10 Hours
Standby Time	Up to 300 Hours
Water Resistance Level	IP65 (Waterproof)
Noise Control	Active Noise Cancellation (DSP)
Special Features	LCD Screen, Music Sharing, FM Radio, GPS Voice Prompt, Lightweight
Material	Plastic
Item Weight	1.13 pounds (approx. for 2 units)

8. Maintenance

- Keep the device dry. Do not expose it to extreme temperatures.
- Clean the unit with a soft, damp cloth. Avoid harsh chemicals.
- Ensure all ports are securely closed when not in use to maintain water resistance.

- Store the device in a cool, dry place when not in use for extended periods.

9. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact FreedConn customer service directly. Keep your purchase receipt for warranty claims.

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