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## FreedConn TCOM-SC

# FreedConn TCOM-SC Bluetooth Motorcycle Intercom User Manual

Model: TCOM-SC

## 1. INTRODUCTION

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### 1.1 Product Overview

The FreedConn TCOM-SC is a Bluetooth motorcycle intercom system designed for clear and reliable communication between riders. It supports simultaneous two-person communication, music sharing, FM radio, and hands-free phone calls with Siri compatibility. The unit features an LCD screen for easy status monitoring and is built with an IP65 waterproof rating for use in various weather conditions.



Image: Two FreedConn TCOM-SC intercom units and their included headsets.

## 1.2 Key Features

- **LCD Screen:** Displays battery level and operating status, providing clear information at a glance.
- **Music Sharing & CVC Noise Reduction:** Enables music sharing for two riders. CVC noise cancellation technology reduces engine and wind noise, ensuring clear audio communication.
- **Bluetooth 5.1 & Extended Battery Life:** Equipped with Bluetooth 5.1 and a 400mAh battery, offering fast 2-hour charging, up to 11 hours of continuous talk time, and 300 hours of standby.
- **Long-Distance Communication:** Achieves a maximum communication range of up to 1000 meters in open, obstacle-free environments. Rider-to-rider communication is effective up to 400-800 meters.  
*Note: Actual range may vary based on weather, terrain, and obstacles.*
- **IP65 Waterproof & Large Buttons:** IP65 waterproof rating ensures protection against rain, offering convenience and safety. Large, tactile buttons allow for easy operation even while wearing gloves.



Bluetooth 5.0



CVCノイズキャンセリング



高音質



マイク付き



音楽共有



IP65防水



携帯電話  
2台接続



ボリューム  
コントロール

Image: Intercom mounted on a helmet, illustrating key features.

## 2. SETUP

### 2.1 Installation on Helmet

The TCOM-SC unit can be easily mounted to most motorcycle helmets using the provided clip or adhesive mount. Ensure the unit is securely attached and the microphone and speakers are positioned correctly for optimal audio.

- Choose a suitable location on the side of your helmet for the intercom unit.
- Attach the mounting clip or adhesive pad to the helmet.
- Slide the TCOM-SC unit onto the clip or firmly press it onto the adhesive pad.
- Install the speakers inside the helmet's ear pockets, ensuring they are aligned with your ears.
- Position the microphone in front of your mouth, ensuring it is close enough for clear voice pickup but does not obstruct your vision.



Image: Close-up of the intercom unit mounted on a helmet.

## 2.2 Bluetooth Pairing

To use the intercom functions, you must pair the TCOM-SC with your mobile phone and/or other TCOM-SC units.

### 2.2.1 Pairing with a Mobile Phone

1. Ensure the TCOM-SC unit is powered off.
2. Press and hold the Power/Intercom button until the LED indicator flashes red and blue alternately, indicating pairing mode.
3. On your mobile phone, enable Bluetooth and search for available devices.
4. Select "FreedConn TCOM-SC" from the list. If prompted, enter "0000" as the PIN.
5. Once paired, the LED indicator will flash blue slowly.

### 2.2.2 Pairing with Another TCOM-SC Unit (Intercom)

1. Ensure both TCOM-SC units are powered off.
2. On both units, press and hold the Power/Intercom button until the LED indicators flash red and blue alternately.
3. Briefly press the Power/Intercom button on one of the units. The units will search for each other.
4. Once paired, the LED indicators on both units will flash blue slowly, and you will hear a confirmation tone.

Image: Illustration of universal pairing between intercom units.

## 3. OPERATING INSTRUCTIONS

### 3.1 Basic Functions

- **Power On:** Press and hold the Power/Intercom button for approximately 3 seconds.
- **Power Off:** Press and hold the Power/Intercom button for approximately 5 seconds.
- **Volume Adjustment:** Rotate the jog dial forward to increase volume, backward to decrease volume.

# LCDスクリーン付き

スクリーンで現状態の動作を表示します。初心者にも簡単に操作可能



Image: LCD screen displaying various operational statuses.

## 3.2 Intercom Communication

Once two TCOM-SC units are paired, you can initiate intercom communication.

- **Start Intercom:** Briefly press the Power/Intercom button.
- **End Intercom:** Briefly press the Power/Intercom button again.

## 3.3 Music Playback and Sharing

Connect your TCOM-SC to a Bluetooth-enabled music device to enjoy music. Music can also be shared with a paired intercom unit.

# 2人用インカムと音楽の共有

Bluetooth 5.0を搭載し、Bluetooth対応デバイスと接続できます。  
インカム同士、スマホ、GPSナビなどと問題なくペアリングできます。

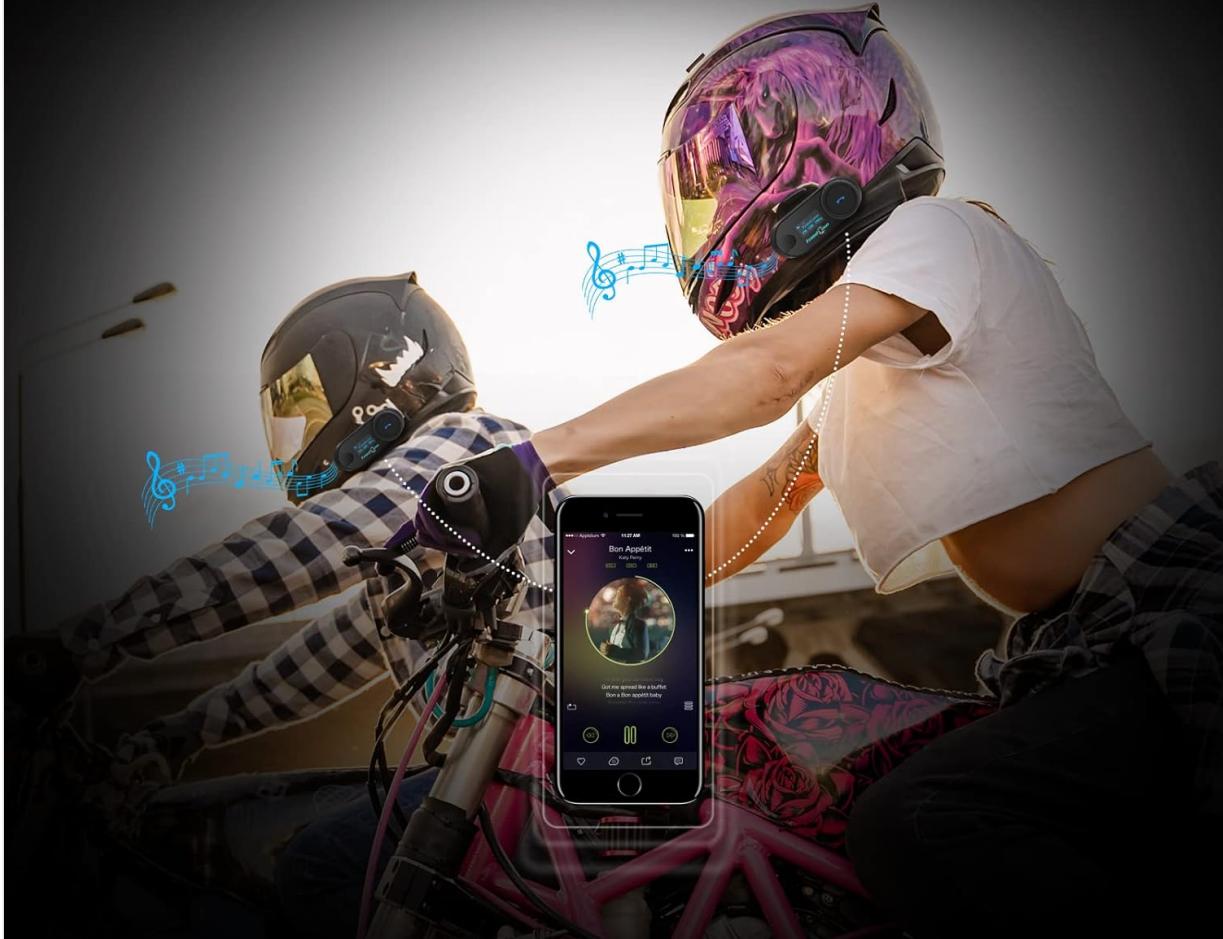


Image: Two riders sharing music via their intercoms.

- **Play/Pause Music:** Briefly press the Multi-function button.
- **Next Track:** Rotate the jog dial forward and hold for 2 seconds.
- **Previous Track:** Rotate the jog dial backward and hold for 2 seconds.
- **Music Sharing:** While music is playing, briefly press the Multi-function button twice to initiate music sharing with a paired intercom unit.

## 3.4 Phone Calls and Voice Assistant

When paired with your mobile phone, the TCOM-SC allows for hands-free calling and voice assistant activation.



Image: Voice control activation and automatic music return after calls.

- **Answer Call:** Briefly press the Phone button.
- **End Call:** Briefly press the Phone button.
- **Reject Call:** Press and hold the Phone button for 2 seconds.
- **Redial Last Number:** Briefly press the Phone button twice.
- **Activate Voice Assistant (Siri/Google Assistant):** Press and hold the Phone button for 2 seconds (after pairing with phone).

### 3.5 FM Radio

The TCOM-SC includes an integrated FM radio function.

- **Turn On/Off FM Radio:** Press and hold the Multi-function button for 2 seconds.
- **Scan Stations:** Briefly press the Multi-function button to scan for the next available station.

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## 4. MAINTENANCE

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### 4.1 Charging

To ensure optimal performance and battery longevity, charge the TCOM-SC unit regularly.

- Connect the charging cable to the unit's charging port and a USB power source.
- The LED indicator will show charging status (e.g., red for charging, blue for fully charged).
- A full charge typically takes approximately 2 hours.

# バッテリー長持ち

400mAhの充電式電池を採用して、日帰りツーリング程度使用してもバッテリーは十分に持ちはます！



充電時間 2時間



12時間音楽再生



待機時間約360時間



最大10時間の通話が可能



Image: Battery specifications and charging time.

## 4.2 Waterproofing

The TCOM-SC has an IP65 waterproof rating, providing protection against dust and water splashes. This means it can withstand light to moderate rain.



Image: Intercom unit demonstrating IP65 waterproofing in rain.

- While the device is water-resistant, avoid submerging it in water or exposing it to extreme weather conditions like heavy downpours for extended periods.
- Ensure all ports are securely closed when not in use to maintain water resistance.

## 5. TROUBLESHOOTING

- No Power:** Ensure the unit is fully charged. Connect to a power source and check the charging indicator.
- Cannot Pair:** Ensure both devices are in pairing mode and within range. Try restarting both devices and repeating the pairing process.
- No Sound/Low Volume:** Check volume levels on both the intercom and the connected device. Ensure speakers are correctly positioned inside the helmet.
- Intercom Disconnects:** Ensure units are within effective communication range (400-800m for bike-to-bike). Obstacles and terrain can affect range.
- Poor Audio Quality/Static:** Move away from sources of electromagnetic interference. Ensure microphone is positioned correctly and not blocked. CVC noise reduction helps, but extreme wind or

engine noise can still affect clarity.

## 6. SPECIFICATIONS

Feature	Specification
Model Number	TCOM-SC
Brand	FreedConn
Connectivity Technology	Bluetooth 5.1
Noise Control	Active Noise Cancellation (CVC)
Battery Capacity	400mAh
Charging Time	Approx. 2 hours
Talk Time	Up to 11 hours
Standby Time	Up to 300 hours
Max Intercom Range (Open Area)	1000 meters
Bike-to-Bike Intercom Range	400-800 meters
Waterproof Rating	IP65
Headphone Style	On-ear / Open-ear
Impedance	32 Ohms
Dimensions (Package)	20.7 x 15.1 x 6.2 cm
Weight (Package)	510 g

## 7. WARRANTY AND SUPPORT

The FreedConn TCOM-SC comes with a 1-year warranty and lifetime after-sales support.

- For any product or service inquiries, please contact our dedicated support team.
- To facilitate a quick resolution, please provide your order number and, if possible, photos or videos related to the issue.
- Our after-sales team aims to respond promptly within 24 hours.

**Contact Email:** [l-jp-amz@fdcdz.com](mailto:l-jp-amz@fdcdz.com)



Image: FreedConn After-Sales Service details.

## Related Documents - TCOM-SC

	<p><a href="#"><b>FreedConn TCOM-SC Bluetooth Motorcycle Headset Instruction Manual</b></a></p> <p>Comprehensive instruction manual for the FreedConn TCOM-SC Bluetooth 5.0 motorcycle headset. Covers installation, product details, operation instructions for calls, music, FM radio, and intercom features, including music sharing between devices.</p>
	<p><a href="#"><b>FreedConn TCOM-SC Helmet Bluetooth Intercom Kit Instruction Manual</b></a></p> <p>User manual for the FreedConn TCOM-SC Bluetooth intercom system. Learn about installation, operation, pairing, features like music streaming and calls, technical specs, and troubleshooting for your motorcycle helmet.</p>
	<p><a href="#"><b>KY-Pro Quick Start Guide and Operation Manual</b></a></p> <p>A comprehensive guide to the KY-Pro, covering quick start instructions, operation modes, pairing, and advanced features. This document provides detailed steps for using the KY-Pro helmet communication system.</p>
	<p><a href="#"><b>Freedconn T-COM VB &amp; SC Bluetooth Motorcycle Intercom Quick Start Guide</b></a></p> <p>User guide for Freedconn T-COM VB and T-COM SC Bluetooth intercom systems, detailing installation, operation, pairing, music sharing, and warranty information for motorcycle riders.</p>
	<p><a href="#"><b>Freedconn T-COM VB/SC Bluetooth Intercom Quick Start Guide</b></a></p> <p>Comprehensive guide to installing, pairing, and operating your Freedconn T-COM VB and T-COM SC Bluetooth motorcycle intercom system, including call handling, music control, and intercom functions.</p>



### [FreedConn HERO Operation Guide](#)

This guide provides instructions for operating the FreedConn HERO Bluetooth intercom headset, covering features like group conference talking, connecting to mobile phones, music sharing, and pairing with other devices.