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FreedConn T-COM VB

FreedConn T COM VB Motorcycle Bluetooth Headset Instruction Manual

Model: T-COM VB

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your FreedConn T COM VB Motorcycle Bluetooth Headset. Please read this manual thoroughly before using the device to ensure proper function and safety. The T COM VB is designed to enhance your riding experience with features such as Bluetooth intercom, music sharing, hands-free calling, and FM radio.

2. Product Features

- **Bluetooth 5.0:** Enhanced connectivity and stability.
- **2-Way Intercom:** Supports real-time communication between two riders up to 800 meters (2625 feet). Up to 3 people can be paired, with 2 communicating simultaneously.
- **Music Sharing:** Allows two Bluetooth 5.0 TCOM VB units to share music between riders.
- **Universal Pairing:** Compatible with FreedConn intercoms and other brands of helmet headsets.
- **Hands-Free Calling:** Supports voice dialing and automatic call answering (can be disabled).
- **FM Radio:** Integrated FM radio function.
- **DSP Echo Cancellation & Noise Suppression:** Provides clear voice quality at high speeds.
- **2-in-1 Microphone:** Includes both hard and soft microphones suitable for various helmet types (full-face, flip-up, open-face, half-face).
- **Waterproof Design:** Suitable for use in rain and snow.
- **Long Battery Life:** Up to 10 hours talk time, 7 hours intercom, and 300 hours standby.



Image: Overview of T-COM VB product features including Bluetooth 5.0, 800m intercom, music sharing, FM radio, and noise control.

3. Package Contents

Verify that all items are present in your package:

- FreedConn T COM VB Bluetooth Unit
- Headset with Speakers and Hard Microphone
- Headset with Speakers and Soft Microphone
- Mounting Clip (Screw/Pressure Fit)
- Adhesive Velcro Mount

- USB Charging Cable
- Allen Wrench (for screw mount)
- Speaker Velcro Pads
- User Manual (this document)



Image: Contents of the FreedConn T-COM VB package, showing the main unit, two types of microphones, speakers, mounting hardware, and charging cable.

4. Setup and Installation

4.1 Choosing a Microphone

The T COM VB includes two types of microphones:

- **Hard Microphone:** Recommended for 3/4 helmets or half helmets.
- **Soft Microphone:** Recommended for full-face helmets.

4.2 Mounting the Bluetooth Unit

There are two methods to mount the T COM VB unit to your helmet:

1. **Screw/Pressure Fit Mount:**
   - Loosen the screws on the back of the mounting clip.
   - Slide the clip between the helmet shell and the inner padding.
   - Tighten the screws to secure the clip. Ensure it is firmly attached without damaging the helmet.
   - Slide the T COM VB unit onto the mounted clip until it clicks into place.

2. **Adhesive Velcro Mount:**
    - Clean the desired mounting area on the helmet surface with alcohol and allow it to dry completely.
    - Peel the backing from the adhesive Velcro pad and firmly press it onto the helmet surface. Hold for 30 seconds.
    - Attach the T COM VB unit to the Velcro pad.

4.3 Installing Speakers and Microphone

1. Attach the speaker Velcro pads to the inside of your helmet, aligning them with your ears.
2. Press the speakers onto the Velcro pads. Ensure the wires are routed neatly under the helmet lining.
3. Position the microphone in front of your mouth, ensuring it is close enough for clear voice pickup but not obstructing your vision or comfort.
4. Connect the speaker/microphone cable to the appropriate port on the T COM VB unit.



Image: Illustration of the FreedConn T-COM VB unit installed on a motorcycle helmet, showing the placement of the main unit, speakers, and microphone.

5. Operating Instructions

5.1 Power On/Off

- **Power On:** Press and hold the Power/Intercom button for approximately 3 seconds until the blue indicator light flashes.
- **Power Off:** Press and hold the Power/Intercom button for approximately 3 seconds until the red indicator light flashes and the unit powers down.

5.2 Bluetooth Pairing with Mobile Phone

1. Ensure the T COM VB is powered off.
2. Press and hold the Power/Intercom button for approximately 7 seconds until the indicator light flashes red and blue alternately. This indicates pairing mode.
3. On your mobile phone, enable Bluetooth and search for new devices.
4. Select "FreedConn TCOM VB" from the list of available devices.
5. If prompted, enter the PIN "0000".
6. Once paired, the blue indicator light will flash slowly.



Image: Diagram illustrating the universal pairing capability of the T-COM VB with other brands of helmet Bluetooth headsets.

5.3 Intercom Pairing and Communication

The T COM VB supports intercom communication between two units. Up to three units can be paired, but only two can communicate simultaneously.

5.3.1 Pairing Two T COM VB Units (Bluetooth 5.0 version)

1. Ensure both T COM VB units are powered off.
2. On Unit A, press and hold the Power/Intercom button for approximately 7 seconds until the indicator light flashes red and blue alternately.
3. On Unit B, press and hold the Power/Intercom button for approximately 7 seconds until the indicator light 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 pair automatically.
5. Once paired, the blue indicator lights on both units will flash slowly, and you will hear a voice prompt.

5.3.2 Initiating Intercom Call

- After pairing, briefly press the Power/Intercom button on either unit to initiate an intercom call.
- To end an intercom call, briefly press the Power/Intercom button again.

5.3.3 Pairing with Older TCOM VB/SC (Bluetooth 3.0)

The pairing method for Bluetooth 5.0 TCOM VB with older Bluetooth 3.0 TCOM VB/SC units differs. Refer to the specific instructions provided with the older unit for cross-version pairing.

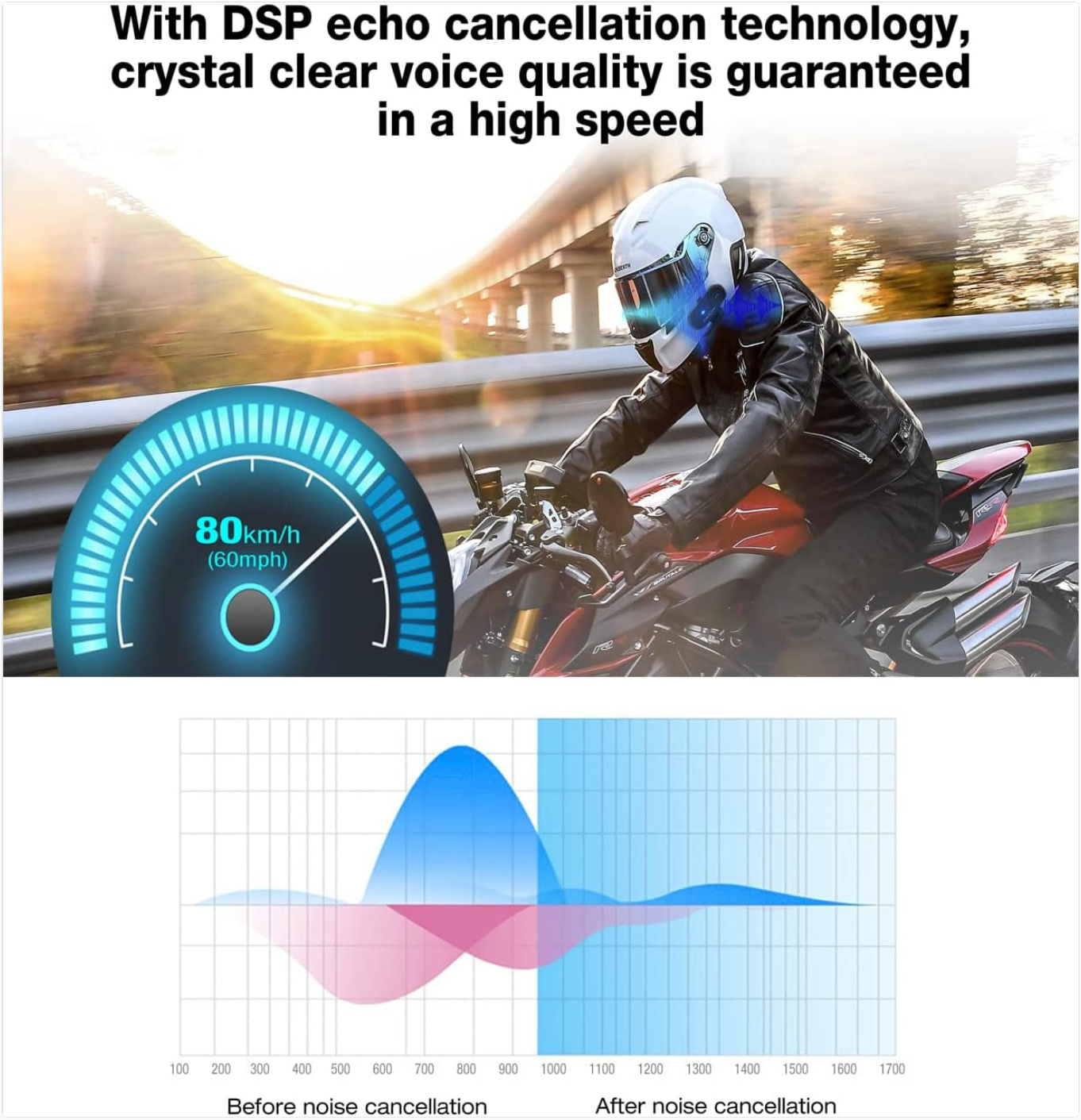


Image: Two riders on motorcycles demonstrating the 800-meter full-duplex intercom communication feature of the FreedConn T-COM VB.

5.4 Music Playback and Sharing

- **Play/Pause:** Briefly press the Multi-function button (the large round button with the phone icon).
- **Next Track:** Rotate the Multi-function button forward quickly.
- **Previous Track:** Rotate the Multi-function button backward quickly.
- **Music Sharing:** With two Bluetooth 5.0 TCOM VB units paired, one rider can initiate music playback, and the other unit will automatically receive the shared audio.



Image: Two riders sharing music through their FreedConn T-COM VB headsets, illustrating the music sharing feature.

5.5 Phone Calls

- **Answer Call:** Briefly press the Multi-function button.
- **Reject Call:** Press and hold the Multi-function button for 2 seconds.
- **End Call:** Briefly press the Multi-function button.
- **Voice Dialing (Siri/Google Assistant):** Briefly press the Multi-function button twice.
- **Automatic Answering:** The unit is set to automatically answer calls after a few rings by default. This feature can be turned off (refer to advanced settings in the full manual if available).

5.6 FM Radio

- **Turn On/Off FM Radio:** Press and hold the "FM" button (if present, or refer to specific button layout).
- **Scan Channels:** Briefly press the "FM" button to scan for available stations.
- **Adjust Volume:** Rotate the Multi-function button forward or backward and hold.

5.7 Volume Control

- **Increase Volume:** Rotate the Multi-function button forward and hold.
- **Decrease Volume:** Rotate the Multi-function button backward and hold.

6. Maintenance

- **Cleaning:** Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Water Resistance:** The unit is water-resistant, but avoid submerging it in water. Ensure the USB port cover is securely closed.
- **Charging:** Charge the unit fully before first use and after prolonged storage. Charging time is approximately 2.5 hours.
- **Storage:** Store the unit in a cool, dry place when not in use.

7. Troubleshooting

Q: How to pair with a mobile phone?
A: Press and hold the power button for about 7 seconds until the indicator light flashes red and blue alternately. Then search for the device on your phone.

Q: What if product pairing fails?
A: Ensure both devices are in pairing mode. If issues persist, try resetting the unit (refer to the full manual for reset procedures) or contact customer support.

Q: Which helmets are compatible?
A: The upgraded 2-in-1 microphone supports Full-face, Flip-up, Open-face, Motocross, Retro, and 3/4 helmets.

Q: Does it support pairing with other brands of intercoms?
A: Yes, the Bluetooth 5.0 version supports universal pairing with other brands. However, due to software differences, successful connection is not guaranteed with all brands. Using the same brand is recommended for optimal compatibility.

Q: No sound or distorted audio?
A: Check speaker connections. Ensure volume is adjusted correctly. If using intercom, verify both units are connected. Check for obstructions or damage to speakers/microphone.

Q: Unit does not power on?
A: Ensure the battery is charged. Connect to a power source and try again after a few minutes.

8. Specifications

Feature	Specification
Model Name	T-COM VB
Bluetooth Version	5.0
Intercom Distance	Up to 800 meters (2625 feet)
Intercom Riders	2 riders (3 paired)

Battery Life (Talk Time)	Up to 10 hours
Battery Life (Intercom)	Up to 7 hours
Standby Time	Up to 300 hours
Charging Time	Approximately 2.5 hours
Water Resistance	Water Resistant
Noise Control	Active Noise Cancellation (DSP)
Dimensions	3.2 x 1 x 1.2 inches
Item Weight	1.6 ounces
Material	Acrylonitrile Butadiene Styrene (ABS)
UPC	790996995397

9. Warranty and Support

For any quality or usage issues, please contact FreedConn customer support. You can typically find support information on the seller's page or through the brand's official website.
For purchases made on Amazon, you can click on the seller name "Zongreat-US" and then select "ASK A QUESTION" for direct assistance.
The product is certified with FCC/CE/ROHS safety ratings.

10. Official Product Videos

FreedConn T-COM VB Overview

▶ **Watch video online**

Video: An overview of the FreedConn T-COM VB Motorcycle Bluetooth Headset, highlighting its key features and design.

FreedConn T-COM VB Intercom Functionality

▶ **Watch video online**

Video: Demonstration of the intercom feature of the FreedConn T-COM VB, showing how riders can communicate.

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