

## 1. INTRODUCTION

Thank you for choosing FreedConn T-MAX Motorcycle Bluetooth Communication System. T-MAX is a Full Duplex Group Talk Bluetooth System, applying humanized design, integrating the cutting edge technology of all similar products and becoming a perfect motorcycle communication system. It can satisfy all kinds of needs in your journey, such as wireless dialling, receiving calls, listening to Mp3 music, receiving GPS voice prompt and connecting with handheld interphone. The most important is that it can realize group talk among motorcycles, providing you convenient communication with your teammates throughout the ride.

### 1.1 Main Functions

1. Number of intercom users: 6people
2. Bluetooth intercom range: 1500 m
3. Multiple devices connected simultaneously
4. Wired/wireless connection with two-way radio
5. Built-in FM radio
6. Voice prompt
7. Usable during recharging



1

## 2. PACK CONTENT

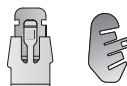
- Bluetooth device



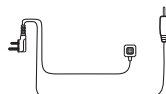
- Headphone VELCRO



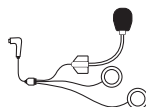
- Metal clamp & plastic clamp



- Two-Way Radio Control Cable



- Microphone & speaker



- USB cable



- Manual

- PTT Button Velcro Tape



2

## 3. INSTALLATION PROCEDURE

### 3.1 Adopt installation method with metal clamp

1. Install the device on clamp
2. Insert the pin header of the corresponding clamp of Bluetooth device (as shown in figure) properly and firmly
3. Open the lining of helmet (at ear's position), clean the EPS surface and affix the VELCRO on with the rough surface
4. Affix the hook surface of speaker to the rough surface of VELCRO and properly tidy the lining
5. Insert the headphone plug into the corresponding jack of Bluetooth device (on the back of clamp) to finish the installation

4

### 3.2 Adopt installation method with plastic clamp

1. Install the device on clamp
2. Tear off the white paper on clamp and stick the device onto helmet

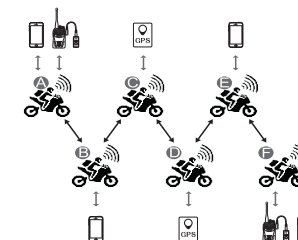
Refer to step 3, 4, 5 of step 3.1

## 4. DISASSEMBLY OF BLUETOOTH DEVICE

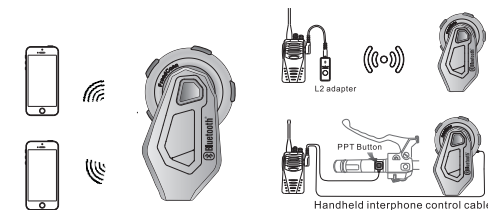
1. Remove the headphone
2. Remove the device and clamp from helmet (along the arrow direction in figure)
3. Remove the device from clamp (along the arrow direction in figure)

5

## 5. FUNCTION ILLUSTRATION



1. A 1,500 m intercom range, 6 users connection, connectable to multiple devices at the same time (cell phone, GPS, L2 adapter).



2. Can be connected simultaneously with 2 mobile phones to call out, answer calls, reject calls, hang up, voice dial and play music
3. Can be connected with interphone through Bluetooth adaptor or interphone control line.

6



4. Rechargeable battery (usable during recharging)
5. Radio function
6. Voice prompt
7. Noise analogue modulation
8. Water-proof

## 6. FUNCTIONS AND OPERATION OF BUTTONS

### 6.1 On/Off button and talkback button

- 6.1.1 On
- 6.1.2 Off
- 6.1.3 Start the Bluetooth Intercom
- 6.1.4 End the Bluetooth Intercom
- 6.1.5 Switch between Intercom and Music
- 6.1.6 Clear the pairing record

- 6.1.1 Press and hold the multi-functional button for about 3 s until you hear a prompt voice "welcome to use FreedConn product" and the blue lamp will flash three times quickly before flashing regularly. Automatic reporting of current battery volume.

### 6.2 Multi-functional Button

- 6.2.1 Answer calls
- 6.2.2 Reject calls
- 6.2.3 Switch between phone and T-MAX headset
- 6.2.4 End the call
- 6.2.5 Voice dialling
- 6.2.6 Play/Pause music
- 6.2.7 Bluetooth intercom headphone matching with cell phone and GPS
- 6.2.8 Two Bluetooth intercom headphones matching with each other
- 6.2.9 Connecting with a second intercom with Bluetooth

- 6.2.1 Press one time and you will hear a "receiving calls" prompt voice. If no operation is conducted within 15 s of incoming ring, it will be answered automatically.
- 6.2.2 Press and hold for 2 s when hearing the ring until you hear a beep.
- 6.2.3 Press and hold for 2 s until you hear a beep.
- 6.2.4 Press one time or use normal cell phone to end talk.

7

8

6. 2. 5	Press and hold for 2 s until you hear a "voice call" prompt.
6. 2. 6	Turn the MFB button for 2 s when playing music until hearing a beep.
6. 2. 7	Press and hold the multi-functional button of intercom headphone for 6s when shutting down until hearing a prompt voice and see the blue lamp and red lamp flash alternatively, indicating match is successful.
6. 2. 8	1. Press and hold the multi-functional buttons of two Bluetooth intercom headphones at the same time for 6 s. 2. Swiftly press a multi-functional button of either Bluetooth intercom headphone. 3. If matching is successful you will hear a prompt voice, blue lamp and red lamp stop alternative flashing and blue lamp starts to flash.
6. 2. 9	Swiftly press the multi-functional button for two time, single pressing and double pressing.

### 6.3 Knob



- 6.3.1 FM Control
- 6.3.2 Volume control in FM
- 6.3.3 FM Tuning
- 6.3.4 Next track
- 6.3.5 Music volume control

6. 3. 1	Turn the MFB button for 2 s with no call or intercom until hearing a beep.
6. 3. 2	During radio state of FM, turn the button one step clockwise to change volume for one level and a beep will be heard when reaching Max volume (press it once more, max volume will remain. Press it for the third time, volume will return to minimum) (cycle).
6. 3. 3	During radio state of FM, turn the MFB button counterclockwise to shift to a next higher FM channel (cycle).
6. 3. 4	Turn MFB button once to switch to next track during music playing (cycle).
6. 3. 5	During talk/intercom, turn the button once counterclockwise to lower volume and you will hear beep when reaching min volume. Turn the button once clockwise to increase volume and you will hear beep when reaching max volume.

9

## 7. Match the way

### 7.1 Pair with Mobile Phone, Mp3 and GPS



- Step 1: Ensure T-MAX is off and within 1 m visible range of the device to be paired.
- Step 2: Press down the T-MAX On/Off button/Intercom button for 6 seconds until you hear "Pairing" prompt, when the red light and blue light flash alternatively, T-MAX enters pairing status.
- step 3: Start up the Bluetooth device to be paired, search and choose a T-MAX for matching and you will hear a "Bluetooth is connected" prompt voice. When the blue lamp flashes regularly, matching is successful

### 7.2 Pair with (Freed Conn) L2 Adaptor



10

- step1: Ensure T-MAX is at OFF state, T-MAX and L2 are put within a 1m visible range.
- step2: Press and hold the ON/OFF button of T-MAX for 8s until hearing a "matching status" prompt voice; Now the blue lamp and red lamp flash alternatively and T-MAX enters matching state.
- step3: Press and hold the ON/OFF button of adapter for 6s, L2 enters automatic searching and matching state, when blue indicator lamp of T-MAX and L2 both flash regularly, matching is successful.

### 7.3 Matching between Two T-MAX



- step1: Ensure two T-MAX are both at OFF state and put within a 1m visible range.
- step2: Press and hold the ON/OFF buttons of both two T-MAX for 8s until hearing a "matching status" prompt voice; Now the blue lamp and red lamp flash alternatively and both two T-MAX enter matching state.
- Note: If they cannot enter red/blue lamp alternative flashing state, please clear the matching record, and then repeat above steps.
- step3: Press the ON/OFF button of one of the T-MAX and it will automatically search another T-MAX for matching. You will hear a prompt voice. When the blue lamp flashes regularly, matching is successful.

11

### 7.4 Group Talk Settings (group of 6 people)



- step1: Clear the matching record between A, F. Press and hold the ON/OFF buttons of A, F for 8 s until hearing a "shutdown" prompt voice, then hold the button for another 3 s.
- step2: Refer to the matching method in 7.3 for following operations.
- A matches with B and shutdown B after matching; (note: shutdown without clearing matching record)
  - B matches with C and shutdown C after matching;
  - C matches with D and shutdown D after matching;
  - D matches with E and shutdown E after matching;
  - E matches with F.
- (now A, B, C, D, E, F are all on)
- step3: Connect A, B, C, D, E, F in tandem arrangement.
- Press the ON/OFF button of D to connect to E, you will hear a intercom prompt voice;
  - Press the ON/OFF button of C to connect to D, you will hear a intercom prompt voice;
  - Press the ON/OFF button of B to connect to C, you will hear a intercom prompt voice;
  - Press the ON/OFF button of A to connect to B, you will hear a intercom prompt voice;
- (now A, B, C, D, E, F are successfully connected and you can use group talk)

12

### 7.5 Operations for When Someone Receives a Call during Group Talk

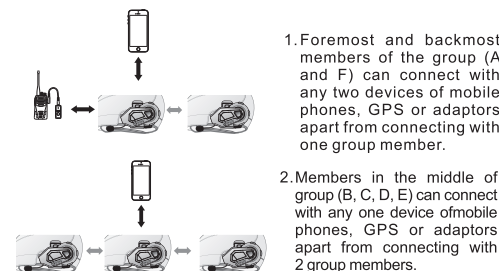
During 6 people group talk, C receives a call, he or she will be disconnected from other group members (A pairs with B to form a group, C forms its own group, DEF form a group).



After C's call is over, he or she will be reconnected into the group talk and the 6 people group talk resumes.

### 7.6 Connect with Multiple Devices

The group member can connect to multiple devices (mobile phones, GPS and adaptors) when connecting with the group



- Foremost and backmost members of the group (A and F) can connect with any two devices of mobile phones, GPS or adaptors apart from connecting with one group member.
- Members in the middle of group (B, C, D, E) can connect with any one device of mobile phones, GPS or adaptors apart from connecting with 2 group members.

13

## 8. Priority of Functions

Level 1: phone Call/Two-way radio audio introduced by adaptor

Level 2: Bluetooth Intercom

Level 3: Music/FM radio

Analysis:

1. During a call, interphone talkback, Bluetooth talkback, music, radio introduced by adaptor are all not operable. But upon the coming of interphone talkback invitation and Bluetooth talkback invitation, there will be a prompt tone.

2. During an interphone talkback, Bluetooth talkback, music and radio are all not operable. But there will be a prompt tone upon Bluetooth talkback invitation.

3. During Bluetooth talkback, music and radio are not operable.

(Talkback introduced by interphone control line will not be affected by priority. It can be carried out simultaneously with call, music and radio.)

## 9. Technical Parameters of Product

Frequency: 2.4 GHZ  
Weight: 55.2 g  
Size: 88x53x31mm  
Battery volume: 470 mAh  
Standby: 1 week  
Talking time:  
7 h of mobile phone  
6 h of Bluetooth Intrecom  
Charging time: About 2.5 h  
Travel Adaptor: DC 5V 500mA

14

## 10. Indication of Battery Volume

Polymer Batteries are used in this product, so please put it in dry places. Recharge the battery after more than 1 month of storage to achieve the service life of product.

- If the battery volume is full, the blue light will flash every 2 seconds when starting the device.
- Alarm is triggered when battery runs low. Low battery volume alarm will repeat in every 15 s and red lamp flashes once every 15 s. It will shutdown automatically if battery volume is too low.
- If it is connected to power after completion of charging, the red lamp will flash once and die out.
- The product is usable during recharging.

15

## Warranty Card

Model Number : T-MAX

Please keep your purchase receipt together with your warranty card & "invalid if removed" label

Name: \_\_\_\_\_

Address: \_\_\_\_\_



After sale service: service@fdcdz.com

Failure Description:

Please affix a copy of invoice on the back of warranty card as a proof of purchase date. If you find any problems during use of our product, please contact our after sale service. Please make sure that you describe the problems clearly on warranty card so that we can handle them timely.

2  
Year  
Warranty