

# **BiT-4**

## **USER'S MANUAL**

**ChatterBox**

**UNIMO *Technology Co.,Ltd.***

## **CONTENTS**

### **1. GETTING STARTED**

Main features

Package contents

Battery charging

Battery

### **2. INSTALLATION**

Installation of Speaker and Microphone

Installation of cradle, bracket and BiT-4 main device

### **3. BUTTONS AND PORT**

### **4. BASIC FUNCTIONS**

Power on / off

Volume up / down

Automatic power off

Voice command

### **5. SMART-PHONE CONNECTION**

Smart-phone pairing

Second Smart-phone pairing

New Smart-phone (the third Smart-phone) replacement

### **6. MODE CHANGE**

Music mode

FM radio mode

[1:1 Intercom mode](#)

[Universal Intercom mode](#)

[4 Riders Multi-Intercom mode](#)

[Surround Monitoring mode](#)

[Battery power level](#)

## **7. PHONE FUNCTION**

Answering incoming call

Rejecting incoming call

Hanging up the call

Automatic answering

Holding the current call, answering an incoming call

While in calling, rejecting another incoming call

Last number redialing & [Speed dial](#)

While being on the phone, switching device between [BiT-4](#) and Smart-phone

## **8. MUSIC MODE**

Enter / Exit music mode

Music play / stop

Fast-forward / Rewind

Switching music between two paired Smart-phones

[Music sharing](#)

## **9. FM RADIO MODE**

Entering / Exiting FM radio mode

Playing / Muting FM radio

Scanning channel up / down

Saving channel

Saved channel up / down

## **10. INTERCOM MODE**

Volume control in Intercom mode

1:1 Intercom pairing

1:1 Intercom connection / disconnection

Audio Multi-Tasking

4 Riders Multi-Intercom pairing

4 Riders Multi-Intercom connection / disconnection

4 Riders Multi-Intercom reconnection and reposition

1:1 Intercom automatic re-connection

## **11. UNIVERSAL INTERCOM PAIRING**

Universal Intercom pairing with BiT-4 set as a master

Universal Intercom pairing with Non-ChatterBox product set as a master

Universal Intercom connection / disconnection

Conference call between 1:1 intercom & Universal Intercom

## **12. SURROUND MONITORING MODE**

## **13. SET UP MODE**

Language

Music sharing

VOX

Side Tone

Reset

Exit

## **14. RESET**

[Reset](#)

Factory Reset

## **15. SMART-PHONE APPLICATION CONTROL**

## **16. SOFTWARE UPGRADE**

## **17. SUPPORT**

Precaution

Limited warranty

Limitation of liability

Reasons for limited liabilities

Disclaimer of liability

Customer service center

## **18. FAQ (Frequently Asked Questions)**

## **19. CE/FCC DECLARATION**

## **20. SIMPLE MANUAL**

### **1. GETTING STARTED**

Thank you for choosing our ChatterBox [BiT-4](#), Bluetooth Communication System for Motorcycle helmet.

#### **Main features**

- Bluetooth V 4.1
- [1:1 Intercom maximum range up to 700 meters \(Refer to FAQ\)](#)
- [4 Riders Multi-Intercom](#)

- Universal Intercom
- FM Radio
- 5 Languages voice prompt (English, French, German, Italian, Spanish)
- Dual pairing with two Bluetooth devices (Smart-phone, MP3, Navigation etc)
- [Music sharing](#)
- [Surround monitoring](#)
- [Audio Multi-tasking](#)
- [Answering phone call using VOX](#)
- [Side Tone \(Listening own voice during phone conversation\)](#)
- [Smart-phone Application Control](#)
- [Usable during charging](#)
- [Volume of each mode is separately adjustable during Intercom communication](#)
- [Allowing Intercom to stay connected during a phone conversation](#)
- [User upgradable firmware](#)
- Water Resistance

#### **Package contents**

- BiT-4 Main device with a built-in battery
- USB charging data cable
- Microphones for both open-face and full face helmets
- [Speaker, Velcro for speaker, Velcros for microphones and a Butterfly Mic-holder,](#)
- Helmet mounting cradle, Metal Bracket, 2 screws and L-wrench
- User manual, Chatterbox Logo sticker

## Battery charging

Connect the supplied USB charging data cable with a PC or wall charger.

Be sure to charge the product using the USB charging data cable provided. Charge with a normal charger of 5V or less than 1.2A. Using a high-speed charger for Smart-phones or a supplementary battery with high-speed charging (9V, higher than 1.2A) may inflate the battery, cause an explosion, or damage internal circuits.

With a normal charger, it takes 2.5~3 hours to fully charge. Charging time depends on the temperature. The Red LED flashes while charging and the Blue LED lights and stay showing the charging is finished. If the charging is finished disconnect the charging cable. Overcharging may cause battery inflation and damage the battery.

You can charge BiT-4 with a power bank (an external battery pack) while you are using it. In this case, the Red LED and Purple LED (Red and Blue LED at the same time) flash alternately. When the charging is finished, the LED turns and flashes to Blue.

## Battery

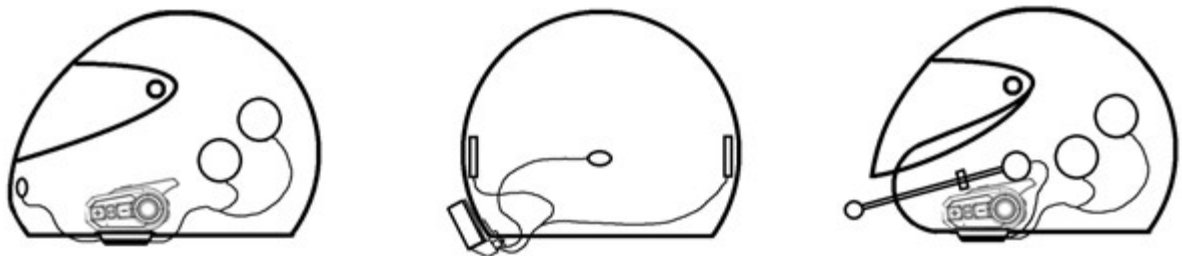
Please read the following notes. The battery of this product cannot be replaced by user. Always keep your battery charged enough.

- Every battery discharge by itself naturally. If the battery was discharged and not charged for a long time, the voltage drops under 2.0V, the battery can not be charged again. In this case, you need to replace the battery if battery replacement is applicable. However, this replacement can not be covered by warranty.
- Do not disassemble the product or do not try to replace the battery. It may cause product failure. Warranty repair can not be applicable.
- Battery capacity may be reduced depending on environmental factors and usage. Life cycle of Lithium Ion, or Lithium Polymer battery, battery manufacturer guarantees 300 times of full charges and discharges.
- Use or store the product at -15°C and +50°C. Higher or lower temperatures may temporally

cause reduced battery capacity, battery life, or temporary inactivity.

- Long exposure of the product to direct sunlight in a hot temperature may cause circuit failure or battery failure.
- Do not use any product damaged by impact, circuit or battery failure may occur.

## 2. INSTALLATION



### Speaker and Microphone Installation

Both microphones for open-face and full-face helmets are provided. Please choose the one that you intend to use for the type of your helmet.

- ① Remove the inner pad of the helmet where you want to locate the speakers and microphone.
- ② Make sure to clean inside of your helmet with alcohol and fully dry the spot where you want to put the Velcro for the speakers and microphone.
- ③ For open-face helmet, attach soft Velcro disk inside of the helmet at your chin level and place the boom-microphone on it and set the white dot on the Microphone-head to face your mouth. Additionally, fix the boom-stick by using the butterfly shaped holder to support it.
- ④ For full-face helmet, attach soft Velcro disk on the chin bar of the helmet and attach hard Velcro disk to the microphone. It is recommended to fix wires with tapes.
- ⑤ Mount the soft Velcro disks on the liner of your helmet, in the indented part of the helmet padding, where your ears would line up. For the best sound quality, be sure to locate the speakers to the right location.
- ⑥ Attach the right speaker (with the longer wire) to the corresponding Velcro disk that you applied on the helmet liner. Attach the left speaker (with the shorter wire) to the other Velcro disk.
- ⑦ Re-install removed inner pad back on the helmet

※ CAUTION: Repositioning of the Velcro stickers of the speakers and microphones more than one time may result in poor adhesion. ( Velcro stickers are available on the website, <http://www.chatterboxglobal.com/>)

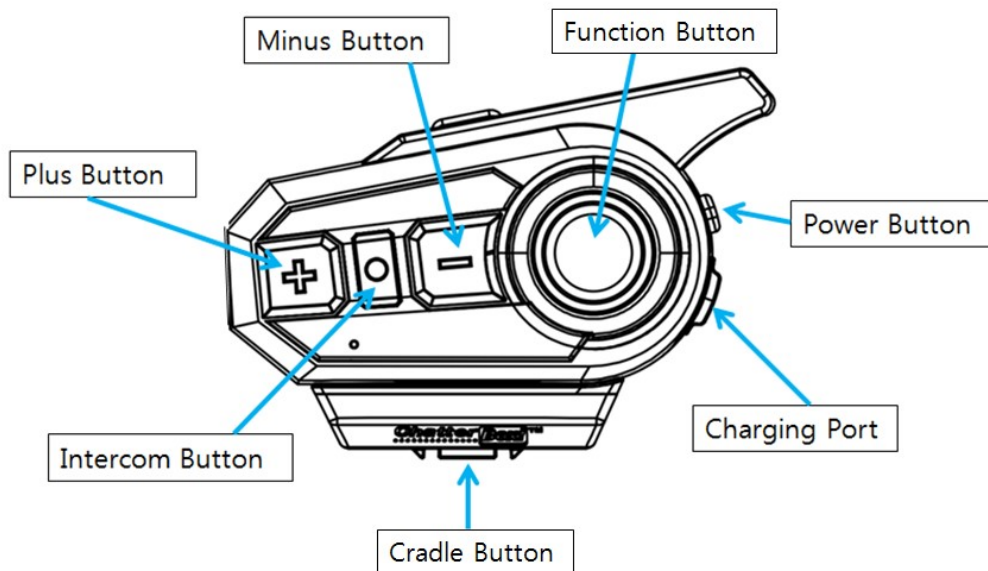
| Open-Face microphone                                                               | Ultra Slim Full-face microphone                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |
| Speakers                                                                           | Cradle and Bracket                                                                  |
|  |  |

#### Installation of cradle, bracket and BiT-4 main device

1. Prepare the provided cradle, bracket, screws and L-wrench.
2. Attach the metal bracket with rubber to face cradle to the cradle using screws but do not fully tighten at this stage.
3. Slide the bracket iron plate into the gap between the helmet shell and the inner pad of the left side.
4. Now tighten the screws on the bracket to fit the cradle to the helmet firmly using the L wrench.
5. Connect the microphone and speakers to the cradle. Make sure to match the arrow at the end of the plug and jack.
6. Insert the guide fin on the back of the product along the slide of the cradle and push it down until you hear the 'click' sound.

※ CAUTION: If screws of the cradle are over-tightened, back of cradle may be bended and this may result in difficulty setting the BiT-4 main device on the cradle or main product may fall off by shock or vibration.

### 3. BUTTONS AND PORT



### 4. BASIC FUNCTIONS

**Power On/Off:** Long press **POWER BUTTON** for 3 seconds.

**Volume Up:** Press the **PLUS BUTTON** with intervals of longer than 0.5 seconds.

**Volume Down:** Press the **MINUS BUTTON** with intervals of longer than 0.5 seconds.

※ CAUTION: Fast double-pressing within 0.5 seconds will result in searching next / previous song in Music mode OR that will result in scanning up and down channels in FM radio mode.

**Automatic Power-Off:** If the BiT-4 main device is not in operation for longer than 60 minutes, the device will automatically be turned off to save the battery.

※ Automatic Power-off function can be controlled through the Smart-phone application. However, this function will not be off while a phone call, Intercom call, Music play and FM radio are operating

#### Voice Command function of your Mobil-phone:

To activate Voice Command function in your Smart-phone through BiT-4 device, after stopping Music or FM radio, long press **PLUS BUTTON** longer than 1 second. But make sure the voice

recognition function of your Smart-phone is activated.

## 5. SMART-PHONE CONNECTION

### Smart-phone Pairing

- ① Make sure your BiT-4 device is powered off.
- ② Press and hold **POWER BUTTON** for 8 seconds until the LED turns and flashes in Red and Blue alternately. [Voice Prompt: "Bluetooth pairing"]
- ③ Turn on the Bluetooth function in your Smart-phone and search and select the name of the device (ChatterBox BiT-4 Vxx)
- ④ Certain Smart-phones may require a password <Password: 0000>
- ⑤ After pairing is completed, the Blue LED slowly flashes in every 2 seconds. [Voice Prompt: "Bluetooth Connected"]
- ⑥ After pairing is finished, turn the power off and then turn on the device again in order to prevent a sudden volume increase.

~~※NOTE for iPhone users: After the pairing is done, please set the device at the minimum volume level to prevent sudden volume increase.~~ (Delete)

### Second Smart-phone pairing

Pairing sequence is exactly the same as the first Smart-phone pairing.

※CAUTION: Please make sure that you turn off the Bluetooth function of the first paired-Smart-phone before starting the second Smart-phone pairing.

### New Smart-phone (the third phone) replacement

- ① Turn off one of the previously paired Smart-phones'Bluetooth functions or delete the paired device's name (ChatterBox BiT-4 Vxx) from the connected Bluetooth device list in the Smart-phone set up menu.
- ② Pairing sequence is exactly the same as the first Smart-phone pairing.

## 6. MODE CHANGE

**Music Mode:**

Short double-press the **FUNCTION BUTTON**.

### **FM radio Mode:**

Short double-press **FUNCTION BUTTON**.

### **1:1 Intercom Mode:** (Rider & Passenger Intercom)

To connect Intercom: Short press **POWER BUTTON**.

To disconnect Intercom: Short press **POWER BUTTON** again.

※ Intercom Pairing must be preceded

### **Universal Intercom Mode :**

To connect Intercom: Short double-press **POWER BUTTON**.

To disconnect Intercom: Short double-press **POWER BUTTON** again.

※ Universal-Pairing must be preceded

### **4 Riders Multi-Intercom Mode :**

To connect Intercom: Short press **INTERCOM BUTTON** once.

To disconnect Intercom: Short double-press **INTERCOM BUTTON**.

※ Multi-Intercom-Pairing must be preceded

### **Surround Monitoring Mode:**

※To activate : Long press the **CRADLE BUTTON** for longer than 2 seconds

※To deactivate : Long press the **CRADLE BUTTON** for longer than 2 seconds

### **Check Battery Power Level :**

Simultaneously short press **PLUS** and **MINUS BUTTONs**, then voice prompts will announce the battery power capacity in 6 levels.

'5' = 100%

'4' = 80~100%

'3' = 60~80%

'2' = 40~60%

'1' = 20~40%

'Low Battery' = 0~20%

## 7. PHONE FUNCTIONS

**Answering an incoming call:** Press the **FUNCTION BUTTON** shorter than 1 second.

**Rejecting an incoming call:** Press the **FUNCTION BUTTON** longer than 1 second.

**Hanging up the call:** Press the **FUNCTION BUTTON** longer than 1 second.

**Automatic answering:** If you take no action for an incoming call for 20 seconds, device will answer automatically. (This function can be adjusted by Smart-phone Application Control.)

**Holding the current call, answering another incoming call:** Press the **FUNCTION BUTTON** shorter than 1 second. As soon as the second call ends, the phone connection automatically transfers to the first call.

**While being on the phone, rejecting another incoming call:** Press the **FUNCTION BUTTON** longer than 1 second.

### Last number redialing & Speed dial

To activate redial function: After stopping music or FM radio, press the **MINUS BUTTON** longer than 1 second. [Voice Prompt: "Redial"]

To redial the last number: Press the **FUNCTION BUTTON**

To dial saved phone numbers: After hearing the voice prompt of "Redial", press the **PLUS** or **MINUS Button** to select a speed dial and press the **FUNCTION BUTTON** to call [Voice Prompt: "One, Two, Three..."]

※ Phone numbers can be saved through Smart-phone Application

**While being on the phone, switching device between **BiT-4** and Smart-phone:**

If you want to take off your helmet in the middle of phone conversation and you want to talk on your Smart-phone directly, press and hold the **PLUS** and **MINUS BUTTONs** simultaneously for longer than 1 second, then the call switch over from BiT-4 to your Smart-phone. In order to switch over back to BiT-4, do the same operation.

## 8. MUSIC MODE

**Enter / Exit music mode:** Short double-press the **FUNCTION BUTTON**. [Voice Prompt: "Music play mode"]

**Music Play / Stop:** Short press **FUNCTION BUTTON**. [Voice Prompt: "Music play" / "mute"]

**Fast-forward:** Short double press **PLUS BUTTON** within 0.5 seconds. [Voice Prompt: Beep sound]

**Rewind:** Short double press **MINUS (-) BUTTON** within 0.5 seconds. [Voice Prompt: Beep sound]

**Switching music between two Smart-phones paired to one BiT-4 device:** Press the **FUNCTION BUTTON** longer than 1 second (Short press the **FUNCTION BUTTON** again to play music of your second Smart-phone.)

[Voice Prompt : "ONE" for the first Smart-phone]

[Voice Prompt : "TWO" for the second Smart-phone]

※ As two Smart-phones are paired to one BiT-4, a short-delay or a short-disconnection in music playing might occur.

※ For certain types of Smart-phone, music volume can be controlled simultaneously or separately.

### How to pair two BiT-4 devices for Music Sharing

- ① Place two BiT-4 devices close to each other to pair for sharing music
- ② Short press the **FUNCTION BUTTON** to enter the SET UP mode for the both, and then search for the "Music sharing" function by pressing PLUS or MINUS BUTTON.
- ③ As you find "Music sharing", press the FUNCTION BUTTON to select. Then, LED alternately flashes in Red and Blue [Voice Prompt: "Music Pairing"]
- ④ After "Music sharing" is paired on the both phones, LED turn and flash to Blue [Voice Prompt : Music Connected]

Music Sharing disconnection: Simultaneously press **PLUS** and **FUNCTION BUTTON** until you hear a Beep sound.

Music Sharing reconnection: Simultaneously press **PLUS** and **FUNCTION BUTTON** until you hear a Beep sound.

※ If BiT-4 is paired with two Smart-phones, you can not use the Music Sharing function.

## Music Sharing



Rider and passenger can share the same Music on a Smart-phone

## 9. FM RADIO MODE

**Enter / Exit FM radio mode :** Short double-press **FUNCTION BUTTON**. [Voice Prompt: "FM radio Mode"]

**Play / Mute FM radio :** Short press **FUNCTION BUTTON** once. [Voice Prompt: "Play / Mute"]

**Scan channel up:** Short double-press **PLUS BUTTON** within 0.5 seconds.

**Scan channel down:** Short double-press **MINUS BUTTON** within 0.5 seconds.

\*\* As a channel is scanned, Voice Prompt will announce the channel number.

**Save channels:** After a channel is selected, within 10 seconds, press the **FUNCTION BUTTON** longer than 1 second. Maximum 8 channels can be saved in order. [Voice Prompt: "Channel 1~8 Save"]

**Previously saved channel up / down:** Press **PLUS BUTTON** or **MINUS BUTTON** longer than 1 second. [Voice Prompt: "Saved 1~8 Channel and Radio Frequency"]

## 10. INTERCOM MODE

Volume control of the Intercom conversation: Press and hold the **PLUS** or **MINUS BUTTON** until a volume level you want is reached, then release the **PLUS** or **MINUS BUTTON**. [Beep]

## 1:1 Intercom Pairing

- ① Place two devices to pair close to each other.
- ② Long press **INTERCOM BUTTON**s of both devices for 3 seconds until the LED flashes in red and blue alternately. [Voice Prompt: "Pairing"]
- ③ Short press **INTERCOM BUTTON** of the device to be set as a Master. [Voice Prompt: "Intercom Pairing"] Then, Red LED flashes fast to enter pairing mode.
- ④ As pairing is completed, the Green LED flashes.

※ As your device is already connected with one device, in case that you wish to pair with another device, press **INTERCOM BUTTON** for 6 seconds.

## 1:1 Intercom Connection / Disconnection:

To connect: Short press **POWER BUTTON** [Voice Prompt: "Intercom 1 connected"]

To disconnect: Short press **POWER BUTTON** [Voice Prompt: "Intercom 1 disconnected"]

※ Even if 1:1 Intercom communication is interrupted by a phone call, the Intercom communication can stay in connection with diminished sound. After hanging up the phone call, Intercom volume comes back to normal sound level.

※ During 1:1 Intercom conversation, changing the saved FM radio channels, Redial last number, and voice command function can not be operated.

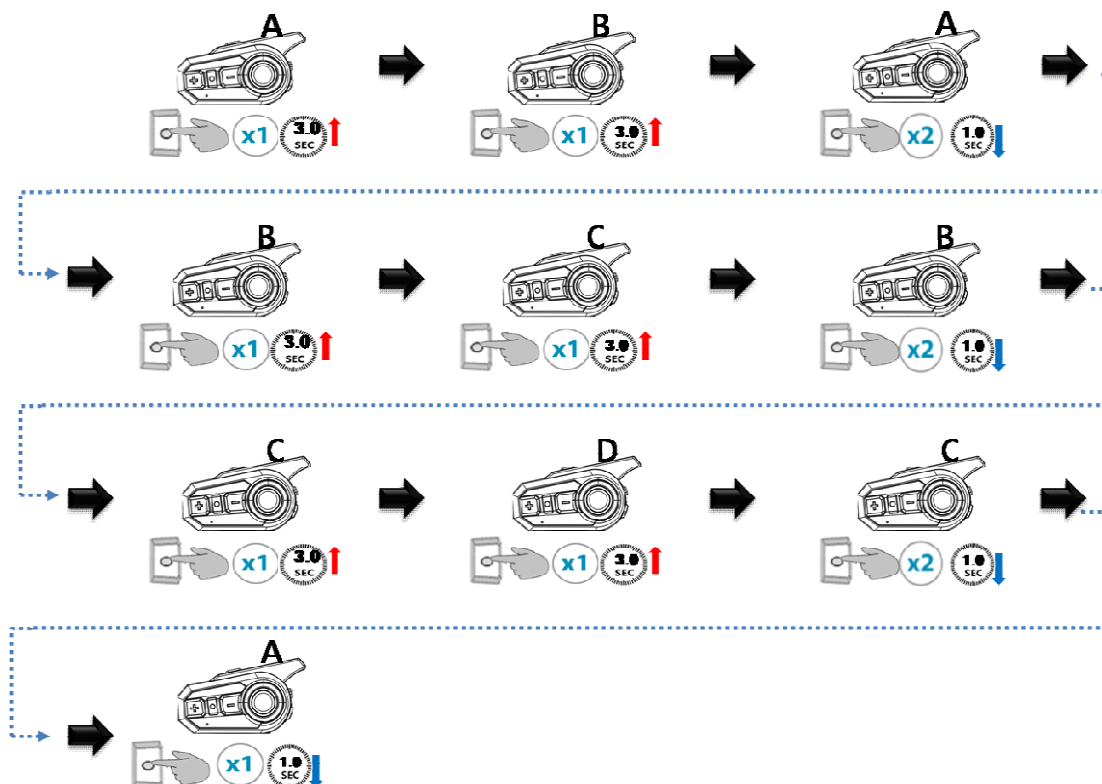
## 4 Riders Multi-Intercom Pairing

- ① Place two devices to pair close to each other.
- ② Long press **INTERCOM BUTTON**s of both devices for 3 seconds until the LED flashes in Red and Blue alternately. [Voice Prompt: "Pairing"]
- ③ Double press **INTERCOM BUTTON** of the device to be set as a Master. [Voice Prompt : "Group Pairing"] Then, Blue LED flashes fast to enter multi pairing mode.
- ④ As pairing is completed, a Green LED flashes. [Voice Prompt : "Connected 1(numbers of other devices connected to your device) / Connected 2(numbers of other devices connected to your device)"]

- ⑤ The second and the third device will be paired in the same pairing procedure. Each device can have only one Master and one Slave.

※ As your device is already connected with one device, in case that you wish to pair with another device, press INTERCOM BUTTON for 6 seconds.

### 4Riders Multi Intercom Connection



After the **Multi-Intercom** pairing is completed, each device will be given a number among 1 to 4. Your number and the others' number can be notified by press the **CRADLE BUTTON**.

- Check your given number: Short press the **CRADLE BUTTON**.
- Check numbers of other devices connected to your device: Double press the **CRADLE BUTTON**.

※ The Intercom conversation is not interrupted by a new incoming call. As soon as the phone rings, the Intercom stays connected in a diminished sound. After the phone is hung up, the sound level of Intercom comes back to normal.

※ While being in the Multi-Intercom communication, the changing saved channels of FM radio, Re-dialing the last number called, Dialing the saved number, and Voice command are unable to function.

## Audio Multi-Tasking

Audio Multi-Tasking allows the 4 Riders Multi-Intercom can maintain the Intercom communication without being interrupted by a phone call, Music or FM radio sound. Briefly, you can listen to Music, FM radio, and can make a Phone call while keeping the Intercom communication.

## Audio Multi-Tasking



※ Each volume of Intercom conversation, phone call, music sound, or FM radio can separately adjustable.

### Multi-Intercom Connection / Disconnection:

Multi-Intercom connection: Short press **INTERCOM BUTTON**

[Voice Prompt: "Connected 1(Connected device number)"]

Multi-Intercom disconnection: Short double-press **INTERCOM BUTTON**

[Voice Prompt: "Disconnected 1(Disconnected device number)"]

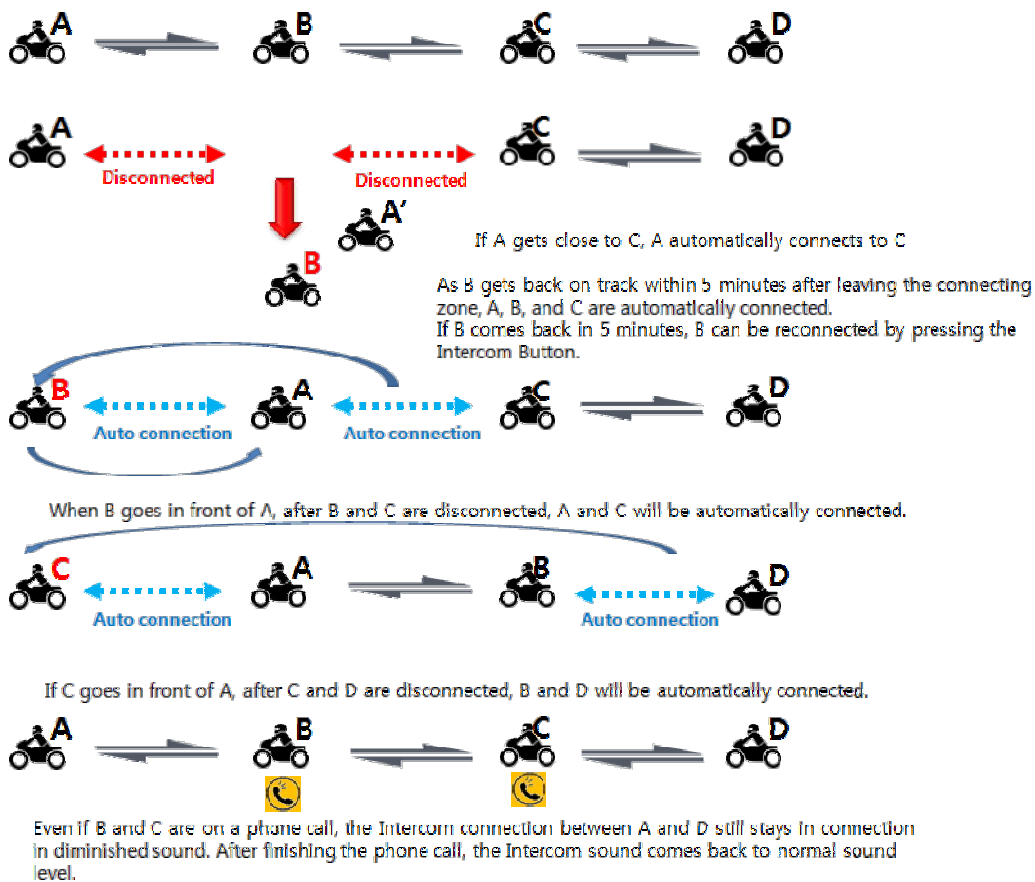
### 4 Riders Multi-Intercom Re-connection and Reposition:

In case that Intercom pairing is disconnected, your device searches the closest device near you in order to reconnect.

There will be a BEEP sound in every 20 seconds while disconnected Intercom device is searching for another device to pair.

There will be a triple BEEP sound from the device which is no longer searching for other devices. Intercom can be reconnected by pressing the **INTERCOM BUTTON**.

## 4 Riders Multi Intercom Auto Connection



### 1:1 Intercom Automatic Re-connection

If 1:1 Intercom conversation is disconnected by a distance or poor signal, your device will search for the previously paired device to reconnect for 2 minutes.

※ While being connected in the **Multi-Intercom** pairing, your device can also be connected with 1:1 Intercom OR Universal Intercom connection. But, Maximum 4 devices or less should be connected.

## 11. UNIVERSAL INTERCOM PAIRING

BiT-4 can be paired with Non-ChatterBox brands which support Universal Intercom connection in the manner of 1:1 Intercom connection.

**Universal Intercom pairing method in case that BiT-4 is set as a master**

- ① Place two devices to pair close to each other.
- ② Long press **INTERCOM BUTTON** for 3 seconds until the Red and Blue LEDs flash alternately.  
[Voice Prompt: Pairing]
- ③ Double press **INTERCOM BUTTON** of BiT-4. [Voice Prompt: "Group Pairing"] Then, Blue LED flashes fast to enter Universal pairing mode.
- ④ Now, BiT-4 is ready to be paired. Please refer to a user manual of Non-ChatterBox product to find out the method of universal pairing.

### **Universal Intercom pairing method in case that Non-ChatterBox product is set as a master:**

- ① Place two devices to pair close to each other.
- ② Long press **INTERCOM BUTTON** for 3 seconds until the Red and Blue LEDs flash alternately.  
And then wait until Non-ChatterBox product search BiT-4 to pair. [Voice Prompt : Pairing]
- ③ Please refer to a user manual of Non-ChatterBox product to find out the method of universal pairing.

### **Universal Intercom Connection / Disconnection**

**Universal Intercom Connection:** On OFF state, short double-press **POWER BUTTON**

[ Voice Prompt: "Intercom 2 connected"]

**Universal Intercom Disconnection:** Short double-press **POWER BUTTON**

[Voice Prompt:"Intercom 2 disconnected"]

※ Universal Intercom Connection or disconnection by using BiT-4 **INTERCOM BUTTON** is capable only if BiT-4 is set as a master.

※ Audio Multi-Tasking: In case that BiT-4 is set as a master, Universal Intercom can be simultaneously operated with FM radio or Music.

※ Even if Universal Intercom communication is interrupted by a phone call, Universal Intercom communication can stay in connection with diminished sound. After hanging up the phone call, the Universal Intercom volume comes back to normal sound level

### **Intercom connection between 1:1 Intercom & Universal Intercom**

In case that BiT-4 is set as a Master in the Universal Intercom Mode, this universally paired BiT-4 can be paired with 1:1 Intercom. Its pairing method is same with the pairing method stated above.

## 12. SURROUND MONITORING MODE

In case that you want to hear external sound without taking off your helmet, long-press the **CRADLE BUTTON** at the bottom of the cradle for 2 seconds. To exit, long press the **CRADLE BUTTON** for 2 seconds.

## 13. SET UP MODE

After stopping Music or FM radio function, simultaneously press **PLUS** and **MINUS BUTTON** for the 3 seconds in order to enter the set up mode. [Voice Prompt: "config"]

To search the option through Set up menu, press **PLUS** or **MINUS BUTTON**. Once you find the option you were looking for, short press the **FUNCTION BUTTON** to save.

※ Taking no action for 10 seconds may result in ending the SET UP mode.

### SET UP PROCEDURE

#### (1) LANGUAGE SET UP

Five languages (English, French, German, Italian, and Spanish) of Voice Prompt are available.

- ① After hearing Voice prompt of "Language", short press the **FUNCTION BUTTON** to enter.  
[Voice Prompt: "Language"].
- ② Press the **PLUS** or **MINUS BUTTON** to search Language you desire and then, short press the **FUNCTION BUTTON** to save.
- ③ After the language is saved, power of BiT-4 will be off [Voice Prompt: "Save"].
- ④ As you turn on the power again, the saved language will be available.

#### (2) MUSIC SHARING MODE

- ① After hearing Voice prompt of "Music Pairing", short press the **FUNCTION BUTTON** to enter.  
[Voice Prompt: "Music Pairing"].
- ② Press the **PLUS** or **MINUS BUTTON** to search Music Sharing mode and then, short press the **FUNCTION BUTTON** to save.

### (3) VOX SET UP

VOX is a function to answer an incoming phone call by using loud voice or shouting without using any button. (As a phone rings, taking no action would lead to an automatic answer in 20 seconds)

- ① After hearing Voice prompt of "VOX", short press the **FUNCTION BUTTON** to enter. [Voice Prompt: "VOX"].
- ② Press the **PLUS** or **MINUS BUTTON** to search a VOX sensitivity you desire and then, short press the **FUNCTION BUTTON** to save.

VOX sensitivity in order: VOX0 -> VOX1 -> VOX2 -> VOX3 -> VOX0

**VOX 0: VOX off** - disables VOX function.

**VOX 1:** Highly sensitive. (There is a risk of VOX operating even by small noise.)

**VOX 2:** Normal sensitive. (Factory default setting)

**VOX 3:** Less sensitive. (Loud voice is required)

### (4) SIDE TONE ON / OFF

- ① After hearing Voice prompt of "Mic", short press the **FUNCTION BUTTON** to enter. [Voice Prompt: "Mic"].
- ② Press the **PLUS** or **MINUS BUTTON** to search ON or OFF state and then, short press the **FUNCTION BUTTON** to save.

### (5) RESET

- ① After hearing Voice prompt of "Reset", short press the **FUNCTION BUTTON** to save. [Voice Prompt: "Reset"].

### (6) EXIT

- ① After hearing Voice prompt of "Exit", short press the **FUNCTION BUTTON** to save. [Voice Prompt: "Exit"].

## 14. RESET

## Rebooting

Reboot [the device](#) when the function stops working or if you cannot turn off the power of the [device](#). To reboot the device, insert USB charging data cable while pressing and holding the **MINUS (-) BUTTON**. However, the pairing information, language setting, and saved FM radio channels will not be deleted.

## Factory default reset

To initialize all settings and set the device back to the factory default setting, while holding **FUNCTION BUTTON**, press **MINUS (-) BUTTON** for **8** seconds. A part from [Language setting](#), all saved information of pairing, saved FM radio channels, and other set-ups will be deleted.

## 15. SMART-PHONE APPLICATION CONTROL

In order to use ChatterBox Smart-phone application, pair BiT-4 with your smart-phone by Bluetooth. Download and run the ChatterBox smart-phone application. All the functional options can be controls in your Smart-phone.

The ChatterBox Smart-phone application can be downloaded in App Store or Google player.

## 16. SOFTWARE UPGRADE

Download the new version of the software available from the ChatterBox website ([www.chatterboxglobal.com](http://www.chatterboxglobal.com)). Please use the USB charging data cable supplied by ChatterBox. USB charging only cable can not be used for DATA connection.

The method how to install the software is given at the homepage.

## 17. SUPPORT

### Precaution

- Although BiT-4 is Water Resistance, please keep the product away from heavy rain and water. Exposing the product to heavy rain or water for a long time may result in damage to the product.

- Store or use the product at temperatures of -15°C ~ +50°C. Too high and too low temperatures may damage, shorten capacity and life of the battery, or may cause the product to be inoperative.
  - Keep the product out of direct sunlight. Exposing the product to direct sunlight may damage the electrical circuit and battery. It is particularly dangerous to expose the product to direct sunlight in a closed vehicle in summer.
  - Do not apply any physical impact to the device. It may cause circuit and battery problem.
  - Do not disassemble the device. It may cause a serious functional disorder and disassembled device will not be able to have the warranty service.
  - Poor handling, physical impact, electrical shock, dropping or rough handling may cause a functional failure and result in a serious damage to the product.
  - [Do not use chemical cleansers such as Benzol, Acetone](#) and do not apply any type of strong chemicals to clean the product.
  - Keep the product away from the reach of children..
  - Keep the product away from heating appliances such as stove, gas-stove, microwave etc. It may explode.
  - Do not try to operate the product while operating a vehicle. This behavior may lead to a very dangerous accident.
  - If the device seems to be damaged or malfunctioning, stop using immediately and contact the service center.
  - Prolonged exposure to a loud sound may damage your eardrums and cause hearing problem.
  - Failure to comply with the precautions above will lead to product damage and/or malfunction.
  - Please read the instructions before using the product.
  - Designs, features, and functions are subject to change for improvement.
- ※ [Please ensure to keep the device in fully charged during period of non-use.](#)

## Limited Warranty

- Our limited warranty can cover only 24months for the main device and 12 months for the battery and accessories.
- The warranty period starts at the time of the original purchase by the first end-user.
- [The provisions of this warranty shall not apply to any device which has been subject to misuse, neglect, incorrect installation, unauthorized modification, accident, or has been repaired or altered outside of our factory.](#)

- In case of returning via courier, the end-user must be able to return the defective product with its original package along with a copy of the original purchase receipt from the store where the purchase was made.
- The warranty service will be provided through the store where the first purchase was made. If you have difficulty contacting the store, please contact us at the provided contact information in this manual.
- The express warranty contained herein is in lieu of all other warranties, expressed, implied or statutory, including without limitation any warranty of merchantability of fitness for a particular use.
- In no event will ChatterBox be liable to the buyer for any damages, including special, incidental, indirect or consequential.

### **Limitation of Liability**

To the full extent allowed by law Chatterbox excludes itself and its suppliers from any liability, whether based on contract or tort (Including negligence) for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, loss of information or data or their financial loss arising out of, in connection with the sale, installation, maintenance, use, performance, failure, or interruption of its products, even if ChatterBox or its authorized reseller has been advised of the possibility of such damages, and limits its liability to repair replacement, or refund of the purchase price paid at Chatterbox's option. This disclaimer of liability for damages will not be affected if any remedy provided herein shall fail of its essential purpose. In any case the total compensation liabilities of ChatterBox or its sales agents shall not exceed the price paid for the product by the purchaser.

### **Reasons for Limited Liabilities**

If you do not return the product after claiming, you relinquish all rights to liabilities, loss, claims, and claims for reimbursement of expense (including attorney's fees). Therefore, Chatterbox will not be liable for physical injury, death, or any loss or damage of transportation means, possessions, or assets which belong to you or third parties that may have occurred while you use the product. Further, ChatterBox will not be liable for any substantial damage not related to the condition, environment, or malfunction of the product. All risks related with the operation of the product depend entirely on the user regardless of its use by the initial purchaser or a third party. Use of this product may violate local or national laws. In addition, be aware once again that correct and safe use of the product is entirely your responsibility.

## Liabilities disclaimer

In addition to damages which may occur due to the use of the product, Chatterbox will not be liable for damages of the product which occur due to the following events.

- In the event the product is misused or used for purposes other than its intended purpose.
- In the event the product is damaged because the user does not follow the content of the product manual.
- In the event the product is damaged because it has been left unattended or has undergone any other accident.
- In the event the product is damaged because the user has used any parts or software which are not provided by the manufacturer.
- In the event the product is damaged because the user has disassembled, repaired, or modified it [in such way as is not explained in the product manual](#).
- In the event the product damaged by a third party.
- In the event the product is damaged due to Acts of God (including fire, flood, earthquake, storm, hurricane or other natural disaster.)
- [In the event the surface of the product is damaged by use.](#)

## MOTORCYCLE LAWS

[Some provinces or countries may prohibit the use of two earpieces or two-piece headsets while operating a vehicle. Please check and follow all applicable national laws and regulations regarding the use of electronics, earpieces and headsets before operating your vehicle.](#)

## 18. FAQ (Frequently Asked Questions)

Q: When I use Intercom, I frequently experience noise and disconnections.

A: Bluetooth Intercom uses 2.4GHz ISM band. This ISM band is being used for many applications, such as Wi-Fi, wireless CCTV, garage door remote control, traffic control signal etc. Therefore, in the city area, there are many ISM band frequencies being used and these cause interferences. If the other ISM band equipment is closer than your intercom partner, there would be noise and disconnections. High voltage power line can also cause the same phenomenon. This phenomenon is inevitable with

Bluetooth products.

Q: When I use Intercom, I feel more noise and disconnection toward a certain direction.

A: Bluetooth ISM band is also a part of radio frequency. Radio frequency has very similar character to the light. Radio frequency cannot go through water, soil, rock, metal plate and human body. The human body consists of 70% water. Therefore, Bluetooth communication cannot be connected well through body. This phenomenon can happen when you have your Smart-phone in your back pocket.

Q: Battery life became shorter.

A: For Life cycle of Lithium Ion, Lithium Polymer battery, manufacturer guarantees only 300 times of full charges and discharges. 300 times of life cycle means, if you use the full capacity of the battery every day, you can use it only for about one year. If you use half of the battery capacity every day, you can use it for about two years. If your battery capacity went down too low and you cannot use it for enough time in your normal usage, please contact our service center to have a battery replacement service.

Q: I cannot use intercom with a range of 700m as described in the specification.

A: As described in the answer above, the 2.4GHz ISM band frequency gets much interference by other ISM band applications in the city area. Interference cause noise, disconnection and shortened range. This is inevitable since the 2.4GHz ISM band is free of charge and has no obligation of registration. That is why ISM bands are so popular. However, at the seaside, without any other ISM band interference and no obstacles between two riders, you can have even better range than 400 meters.

For more detailed FAQ information, please access our website. (<http://www.chatterboxglobal.com/>)

## 19. CE/FCC Declaration

Vereinfachte CE-Konformitätserklärung.

Hiermit erklärt UNIMO TECHNOLOGY dass der Funkanlagentyp BIT-4 der Richtlinie 2014/53/EU entspricht.

Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse [support/library](http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU) verfügbar:

<http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU>

Bitte beachten Sie, dass dieses Produkt Radiofrequenzbänder benutzt, die innerhalb der EU nicht harmonisiert sind. Innerhalb der EU darf dieses Gerät in Österreich, Belgien, Dänemark, Finnland, Frankreich, Deutschland, Griechenland, Irland, Italien, Luxemburg, den Niederlanden, Portugal, Spanien, Schweden, im Vereinigten Königreich und innerhalb der EFTA in Island, Norwegen und der Schweiz benutzt werden.

#### CE Declaration of Conformity

This product is CE marked according to the provisions of Directive 2014/53/EU. Hereby, ChatterBox declares that product BIT-4 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. For further information, please refer on our website/support/library:

<http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU>

Please note that this product uses radio frequency bands not harmonized within EU. Within the EU this product is intended to be used in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom and within EFTA in Iceland, Norway and Switzerland.

#### CE Declaration of conformity

Questo è un prodotto a marchio CE in quanto rispetta le disposizioni della Direttiva 2014/53/EU.

ChatterBox dichiara che il prodotto BIT-4 è stato fatto in conformità ai requisiti essenziali ed alle disposizioni più rilevanti della Direttiva 2014/53/EU.

Per maggiori informazioni prego visitare il sito [internet/support/library](http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU):

<http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU>

Attenzione, questo prodotto usa frequenze radio non armonizzate in Europa.

Il prodotto può essere usato nei seguenti Paesi: Austria, Belgio, Danimarca, Finlandia, Francia, Germania, Grecia, Irlanda, Italia, Lussemburgo, Olanda, Portogallo, Svezia, Regno Unito e nei membri EFTA in Islanda, Norvegia e Svizzera.

#### Declaración de conformidad CE

Este producto dispone del marcado CE según las disposiciones de la Directiva sobre equipos radioeléctricos y equipos terminales de telecomunicación 2014/53/EU. Por la presente, CHATTERBOX declara que este producto BIT-4 cumple con los requisitos esenciales y otras provisiones relevantes de dicha Directiva 2014/53/EU. Para obtener más información, consulte [website/support/library](http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU) :

<http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU>

Tenga en cuenta que este producto utiliza bandas de radiofrecuencia no armonizadas dentro de la Unión Europea (UE). Dentro de la UE, este producto está pensado para su uso en Alemania, Austria, Bélgica, Dinamarca, Finlandia, Francia, España, Grecia, Irlanda, Italia, Luxemburgo, Países Bajos, Portugal, Reino Unido y Suecia y, dentro de la AELC, en Islandia, Noruega y Suiza.

#### Déclaration de conformité CE

Ce produit porte un marquage CE, conformément aux dispositions de la directive 2014/53/EU. CHATTERBOX déclare par la présente que le produit BIT-4 est conforme aux exigences principales et autres dispositions correspondantes de la directive 2014/53/EU.

Pour plus d'informations, veuillez consulter notre site internet/support/library :

<http://www.chatterboxglobal.com/us/board/list.php?bdId=morgueEU>

Veuillez noter que ce produit utilise des bandes de radio fréquence non uniformisées au sein de l'Union Européenne. Au sein de l'Union Européenne, ce produit est destiné à être utilisé en Autriche, Belgique, Danemark, Finlande, France, Allemagne, Grèce, Irlande, Italie, Luxembourg, Pays-Bas, Portugal, Espagne, Suède et Royaume-Uni et au sein de l'AELE, en Islande, Norvège et Suisse.

#### FCC Declaration of Conformity

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this

equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

#### **Technical Information**

| BiT-4                  |                       |                |                  |
|------------------------|-----------------------|----------------|------------------|
| DIMENSIONS             | 76 x 44 x 21 mm       | TALKING HOURS  | 12 hours         |
| WEIGHT                 | 66g (cradle included) | STANDBY HOURS  | 264 hours        |
| BLUETOOTH VERSION      | V4.1                  | CHARGING HOURS | 2 Hours and half |
| BATTERY CAPACITY       | 3.7V 900mAh           | AUDIO POWER    | 250mW x 2        |
| OPERATING TEMPERATURES | -15°C ~ +50°C         | RF POWER       | Class 1, Class 2 |

#### **CUSTOMER SERVICE CENTRE**

**Customer service center in USA**

Address: 11627 Telegraph Rd. Suite #103 Santa Fe Springs, CA 90670 USA

Website: [www.chatterboxusa.com](http://www.chatterboxusa.com)

#### Customer service center in EUROPE

Address: Talstrasse 39 D-77887-SASBACHWALDEN, GERMANY

## 20. SIMPLE MANUAL

| MODE    | FUNCTION                  | OPERATION                                                                                                                                                                                                                 |
|---------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL | Power on                  | Long press the <b>POWER BUTTON</b> for 3 seconds                                                                                                                                                                          |
|         | Power off                 | Long press the <b>POWER BUTTON</b> for 3 seconds                                                                                                                                                                          |
|         | Volume control            | Short press the <b>PLUS or MINUS BUTTON</b>                                                                                                                                                                               |
|         | Surround monitoring       | Long press the <b>CRADLE BUTTON</b> for 2 seconds                                                                                                                                                                         |
|         | Set up mode               | After stopping Music or FM radio, Simultaneously Long press the <b>PLUS</b> and <b>MINUS BUTTON</b> for 3 seconds                                                                                                         |
|         | Change language           | Select at the SET UP Mode                                                                                                                                                                                                 |
|         | Change VOX level          | Select at the SET UP Mode                                                                                                                                                                                                 |
|         | Factory reset             | Simultaneously press the <b>PLUS</b> and <b>MINUS BUTTON</b> for 8 seconds in Setting Mode                                                                                                                                |
|         | Reboot                    | While pressing and holding the <b>MINUS BUTTON</b> , insert USB charging data cable                                                                                                                                       |
|         | Software download         | While simultaneously pressing the <b>POWER</b> and <b>PLUS BUTTONs</b> , insert USB charging data cable until the LED turns off (on power off state)                                                                      |
|         | Check Battery power level | Simultaneously Short press the <b>PLUS</b> and <b>MINUS BUTTON</b>                                                                                                                                                        |
| PHONE   | Answer call               | Short press the <b>FUNCTION BUTTON</b>                                                                                                                                                                                    |
|         | Hang up / Reject call     | Long press the <b>FUNCTION BUTTON</b>                                                                                                                                                                                     |
|         | Redial the last number    | After stopping Music or FM radio, long press the <b>MINUS BUTTON</b> / To call last number, press the <b>FUNCTION BUTTON</b>                                                                                              |
|         | Dial saved number         | After stopping Music or FM radio, long press the <b>MINUS BUTTON</b> / Search a saved number by pressing the <b>PLUS</b> or <b>MINUS BUTTON</b> and then, call the selected number by pressing the <b>FUNCTION BUTTON</b> |

|          |                                                                          |                                                                                                                     |
|----------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|          | Voice Command<br>(Smart-phone's Siri function)                           | After stopping Music or FM radio, press the <b>PLUS BUTTON</b> longer than 1 second                                 |
|          | While being on the phone, switching device between BiT-4 and Smart-phone | While being on the phone, simultaneously press the <b>PLUS</b> and <b>MINUS BUTTONs</b> for 1.5 seconds             |
| PAIRING  | Smart-phone pairing                                                      | After pressing the <b>POWER BUTTON</b> for 8 seconds, search for BiT-4 in the Bluetooth function of the Smart-phone |
|          | Music Sharing Pairing                                                    | Select at the SET UP Mode                                                                                           |
|          | 1:1 Intercom pairing                                                     | After pressing the <b>INTERCOM BUTTON</b> for 3 seconds, short press the <b>INTERCOM BUTTON</b>                     |
|          | Universal Intercom pairing                                               | After pressing the <b>INTERCOM BUTTON</b> for 3 seconds, short double-press the <b>INTERCOM BUTTON</b>              |
|          | 4 Riders Multi-Intercom Pairing                                          | After pressing the <b>INTERCOM BUTTON</b> for 3 seconds, short double-press the <b>INTERCOM BUTTON</b>              |
| MUSIC    | Entering Music Mode                                                      | Short double-press the <b>FUNCTION BUTTON</b> at FM radio mode                                                      |
|          | Stop / Play                                                              | Short press the <b>FUNCTION BUTTON</b>                                                                              |
|          | Fast forward / Rewind Music                                              | Double-Short press the <b>PLUS</b> or <b>MINUS BUTTON</b>                                                           |
|          | Switching music play between two paired Smart-phones                     | Long press the <b>FUNCTION BUTTON</b>                                                                               |
|          | Music Sharing connection /disconnection                                  | Simultaneously the <b>PLUS</b> and <b>MINUS BUTTON</b> for 1 second                                                 |
| FM RADIO | Entering FM radio mode                                                   | Short double-press the <b>FUNCTION BUTTON</b> at MUSIC mode                                                         |
|          | Searching channel                                                        | Short double-press the <b>PLUS</b> or <b>MINUS BUTTON</b>                                                           |
|          | Play / FM radio mute                                                     | Short press the <b>FUNCTION BUTTON</b>                                                                              |
|          | Saving channel                                                           | Press the <b>FUNCTION BUTTON</b> longer than 1 second                                                               |
|          | Change saved channel                                                     | Long press the <b>PLUS</b> or <b>MINUS BUTTON</b>                                                                   |
| INTERCOM | 1:1 Intercom connection/disconnection                                    | Short press the <b>POWER BUTTON</b> /<br>Short press the <b>POWER BUTTON</b>                                        |

|  |                                                                           |                                                                                            |
|--|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|  | Universal Intercom connection /disconnection                              | Short double-press the <b>POWER BUTTON /</b><br>Short double-press the <b>POWER BUTTON</b> |
|  | Multi-Intercom connection / disconnection                                 | Short press the <b>INTERCOM BUTTON</b> or<br>Short double-press the <b>INTERCOM BUTTON</b> |
|  | Intercom volume control                                                   | Long press the <b>PLUS</b> or <b>MINUS BUTTON</b>                                          |
|  | Verify the given number of your device                                    | Short press the <b>CRADLE BUTTON</b>                                                       |
|  | Verify the given number of the other device which is connected with yours | Short double-press the <b>CRADLE BUTTON</b>                                                |

### RF Exposure Information:

FCC RF Exposure requirements: The highest SAR value reported under this standard during product certification for use next to the body with the minimum separation distance of 0mm is 1.6W/Kg&4W/Kg.This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter. This product is compliance to FCC RF Exposure requirements and refers to FCC website <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> search for FCC ID: O25BIT-4