



ChatterBox BiT-2 Bluetooth Communication System with Owner's Manual

[Home](#) » [ChatterBox](#) » ChatterBox BiT-2 Bluetooth Communication System with Owner's Manual 

Contents

- 1 ChatterBox BiT-2 Bluetooth Communication System
- 2 Product Information
- 3 Product Usage Instructions
- 4 GETTING STARTED
- 5 Main features
- 6 INSTALLATION
- 7 BUTTONS AND INPUTS
- 8 BASIC FUNCTIONS
- 9 MOBILE-PHONE CONNECTION
- 10 PHONE FUNCTIONS
- 11 MUSIC MODE
- 12 RESET
- 13 SUPPORT
- 14 Limited warranty
- 15 Technical Specification
- 16 SIMPLE MANUAL
- 17 Documents / Resources
 - 17.1 References



ChatterBox BiT-2 Bluetooth Communication System



Product Information

- The ChatterBox BiT-2 is a Bluetooth Communication System designed for bike helmets.
- It is water-resistant and comes with microphones for both open-face and full-face helmets.
- The package includes speakers, Velcro for speakers, Velcro for microphones, foam microphone covers, helmet mounting cradle, bracket, screws, and an L-wrench.

Main Features:

- Water Resistant
- Microphones for both open-face and full-face helmets

Package Contents:

- Speakers
- Velcro for speakers
- Velcro for microphones
- Foam microphone covers
- Helmet mounting cradle
- Bracket
- Screws
- L-wrench

Battery Charging:

- Make sure to charge the product using the provided charging cable. It is recommended to charge with a normal charger or a supplementary battery with high-speed charging (9V, higher than 1.2A). The charging time is approximately 2.5~3 hours, depending on the charger used.
- You can also charge the BiT-2 with a power bank while using it. In this case, a red indicator will be displayed.

Product Usage Instructions

Installation:

To install the ChatterBox BiT-2, follow the steps below:

1. Install the speakers and microphones according to the provided instructions.
2. Mount the helmet mounting cradle using the bracket, screws, and L-wrench.

Buttons and Inputs:

Refer to the user manual for detailed information on the buttons and inputs of the BiT-2.

Basic Functions:

- **Volume Up / Down:** Adjust the volume level of the BiT-2.
- **Voice Command:** Activate voice commands on the BiT-2.

Mobile-Phone Connection:

Refer to the user manual for detailed instructions on mobile-phone pairing, second mobile-phone pairing, and new mobile-phone replacement.

Music Mode:

- **Music Play / Stop:** Control music playback on the BiT-2.
- **Moving to Next Song / Previous Song:** Navigate through songs while in music mode.
- **Switching Music Play Between Two Paired Mobile Phones:** Change the source of music playback between two connected mobile phones.

VOX (Voice-Activated Transmission):

- **Activating VOX:** Enable or disable voice-activated transmission on the BiT-2.
- **VOX Sensitivity Setting:** Adjust the sensitivity level of the voice-activated transmission.

Reset:

- **Rebooting:** Restart the BiT-2.
- **Factory Default Reset:** Restore the BiT-2 to its factory settings.
- For more detailed information and instructions, refer to the BiT-2 Quick Manual and Simple Manual provided.
- American Communication Systems Discover the Power of Communications™ <http://www.ameradio.com>



GETTING STARTED

- Thank you for choosing our ChatterBox BiT-2, Bluetooth Communication System for bike helmet.

Main features

- Bluetooth V 4.1
- Water Resistant
- Dual pairing with two Bluetooth devices (Mobile-phone, MP3, Navigation)

BiT-2 Package contents

- Main unit with a pre-installed battery
- USB charging cable
- Microphones for both open-face and full-face helmets.
- Speaker, Velcro for speakers, Velcro for microphones, foam microphone-covers
- Helmet mounting cradle, bracket, screws, and L-wrench
- User manual and ChatterBox log sticker

Battery Charging

- Connect the supplied USB cable to a PC or wall charger.
- Be sure to charge the product using the charging cable provided. Charge with a normal charger of 5V or less than 1.2A. Using a high-speed charger for mobile-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 in charging and the blue LED lights and stay showing the charging is done.
- If the charging is finished disconnect the charging cable. Over charging may cause battery inflation.
- You can charge BiT-2 with a power bank while you are using it. In this case, red
- LED and purple LED (red and blue LED at the same time) flashes alternately. When the charging is finished, blue LED flashes.

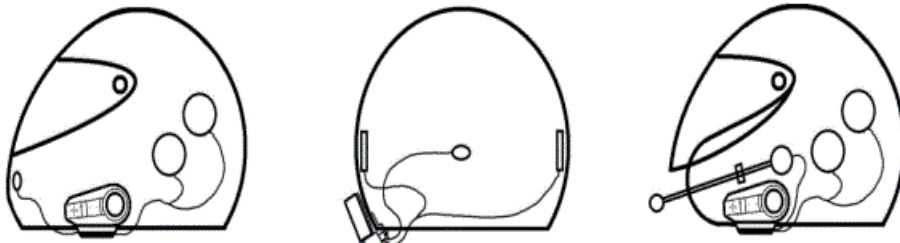
Battery

- 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 cannot be charged again. In this case, you need to replace the battery if battery replacement is applicable. However, this replacement cannot be covered by the warranty.

- Lithium Polymer battery has a protection circuit (PCM) inside. A battery with the voltage dropped under 2.0V needs high voltage with high current to recharge it. Protection circuit blocks this high current, so the battery cannot be charged.
- Do not disassemble the product or disconnect the battery. It may cause product failure.
- Battery capacity may be reduced depending on environmental factors and usage.
- Life cycle of Lithium Ion, Lithium Polymer battery, manufacturer guarantees only 300 times of full charges and discharges.
- Use or store the product at -15°C and +50°C. Higher or lower temperatures may cause reduced battery capacity, battery life, or temporary inactivity.
- Long exposure of the product to direct sunlight may cause circuit failure or battery failure.
- Do not use product damaged by impact, circuit or battery failure may occur.

INSTALLATION

BiT-2 Installation



Speaker and microphone installation

Two microphones for both open-face helmet and full-face helmet 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 chin level and place the boom-microphone on it. 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 microphones.
5. Mount the soft Velcro disks on the liner of your helmet, in the indentation 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: Changing the position of the Velcro stickers for speakers and microphones more than one time may result in poor adhesion. (You can purchase Velcro separately from our website.)

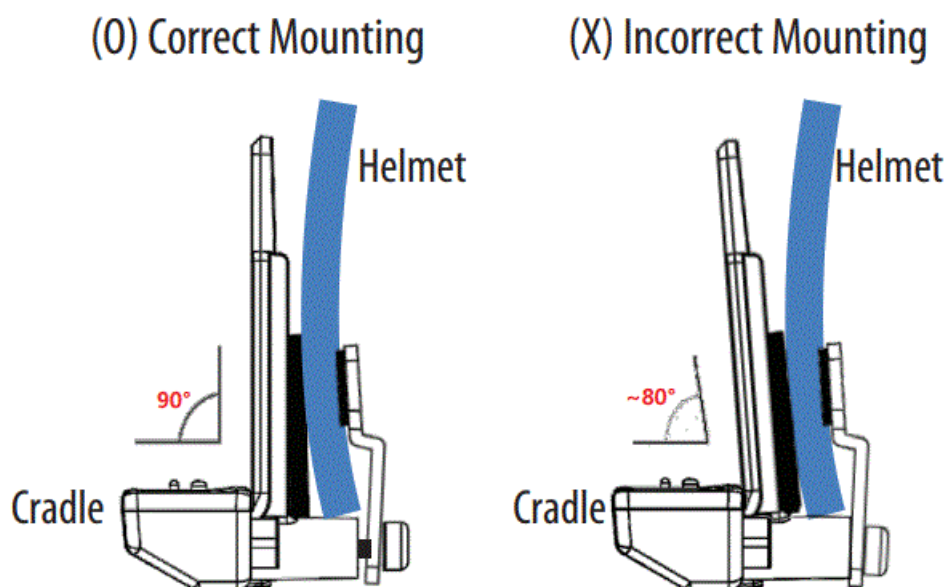
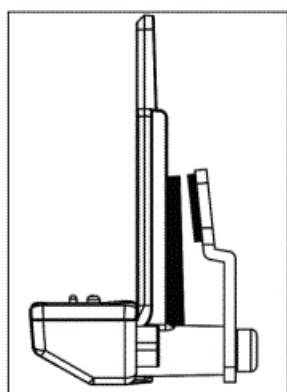
Installation of BiT-2 using the cradle

1. Prepare the provided cradle, bracket, screws, and L-wrench.

2. Attach the metal bracket 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.
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. Be careful to match the arrow on the connecting 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: Over-tightening the screws may cause the slide to bend and make it difficult to fit the product.

BiT-2 Cradle Mounting Method



- If you tighten the bolts with proper force, the cradle does not fall off the helmet, since rubber is attached to the cradle and fixing bracket.
- When fitting the cradle to the helmet, if the cradle is bent due to excessive tightening of the bolt (hexagon), it may cause product defects.
- (The fork pin of the cradle may have poor contact with the main body, so the microphone or speaker may not work.)

BUTTONS AND INPUTS

	A	PLUS (+) button
	B	MINUS (-) button
	C	FUNCTION button
	D	POWER button
	E	USB port

BASIC FUNCTIONS

- **Power On:** Long press the POWER button for 3 seconds.
- **Power Off:** Long press the POWER button for 6 seconds.
- **CAUTION:** The power operation cannot be resumed for 8 seconds after the power is turned on or off. Please try again after 8 seconds.
- **Volume Up:** Press the PLUS (+) button at intervals of longer than 0.5 seconds.
- **Volume Down:** Press the MINUS (-) button at intervals of longer than 0.5 seconds.
- **CAUTION:** Fast pressing twice in less than 0.5 seconds will result in the next/previous song selection in Music mode or channel search on FM radio mode.
- **Voice Command:** After stopping Music, press and hold the PLUS (+) button at the same time for more than 1 second to use the voice recognition feature (Siri, S-voice, etc.) within your mobile phone. The voice recognition feature on your mobile phone must be enabled.

MOBILE-PHONE CONNECTION

Mobile-phone Pairing

1. Make sure your BiT-2 unit is powered off.
2. Press and hold the POWER button for 8 seconds firmly until the LED turns and flashes in red and blue alternately.
3. Turn on the Bluetooth function in your mobile phone and search and select the name of the unit (ChatterBox BiT-2 Vxx)
4. Certain mobile phones may require a password < Password: 0000>
5. After pairing is completed, the blue LED slowly flashes twice. After pairing is finished, turn off the power of the unit and turn on the unit again to prevent a sudden volume increase.

NOTE for iPhone users: After the pairing is done, please set the unit at the minimum volume level to prevent a sudden volume increase.

Second mobile-phone pairing

- The pairing sequence is exactly the same as the first mobile-phone pairing.
- **CAUTION:** Please make sure that you turn off the Bluetooth function of the first paired-mobile phone before starting the second mobile-phone pairing.
- New mobile-phone (the third phone) replacement
- Turn off one of the previously paired mobile phone's Bluetooth functions or delete one of the paired unit's names (ChatterBox BiT-2 Vxx) from the connected
- Bluetooth device list on the mobile-phone settings.
- The pairing sequence is exactly the same as the first mobile-phone pairing.

PHONE FUNCTIONS

- **Answering an incoming call:** Short press the MAIN FUNCTION button.
- **Rejecting an incoming call:** Long press the MAIN FUNCTION button for 1 second.

- **Hanging up the call:** Long press the MAIN FUNCTION button for 1 second.
- **Holding the current call, answering another incoming call:** Short press MAIN FUNCTION button for 1 second.
- **While calling, rejecting another incoming call:** Long press MAIN FUNCTION button for 1 second.
- **Last number redialing:** Long press the MINUS (-) button for 1.5 seconds after the music is stopped or FM radio is muted.
- **While being on the phone, switching devices between BiT-2 and mobile phone:** When you are talking on a call wearing helmet if you want to take off the helmet and want to talk on your mobile phone directly.
- Press and hold the PLUS (+) and MINUS (-) buttons simultaneously for longer than 1.5 seconds, then the call switches to your mobile-phone. Doing the same operation will switch your mobile-phone paired to your BiT-2 again.

MUSIC MODE

- Music Play / Stop: Short press the MAIN FUNCTION button.
- Moving to the next song: Double press PLUS (+) button.
- Moving to the previous song: Double press MINUS (-) button.
- Switching music play between two paired mobile-phones: Long press MAIN FUNCTION button for 1 second (short press MAIN FUNCTION button again to play music from your second mobile-phone.)
- If two mobile phones are connected, a delay in music playing might occur.
- For certain types of mobile phone, music volume can be controlled simultaneously or separately.

VOX (Voice to switch to intercom mode)

- VOX is a function to answer a phone call by using own voice without using the POWER button
- **Activating VOX:** In music mode, loudly shout out to answer an incoming call.

RESET

Rebooting

- Reboot the unit when the function stops working or if you cannot turn off the power of the unit. To reboot the unit, insert USB charging cable while pressing MINUS (-) button.
- The pairing information, language, and saved FM radio channels will not be deleted.

Factory default reset

- To initialize all settings and set the unit back to the factory default setting, long press
- MAIN FUNCTION button and MINUS (-) button at the same time for 8 seconds
- All saved information of pairing, saved FM radio channels, and language setting will be deleted.

SUPPORT

Precaution

- Although BiT-2 is Water Resistant, 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.
- Do not disassemble the unit. It may cause a serious functional disorder and disassembled unit can not have the warranty service.
- 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 unit. It may cause circuit and battery problem.
- Do not disassemble the unit. It may cause a serious functional disorder and disassembled unit 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 and animals.
- 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 unit 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.

Limited warranty

- Our limited warranty can cover only 24 months for the main unit and 12 months for the battery and accessories.
- The warranty period starts at the time of the original purchase by the first end-user.
- 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.

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.

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.

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 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.

Technical Specification

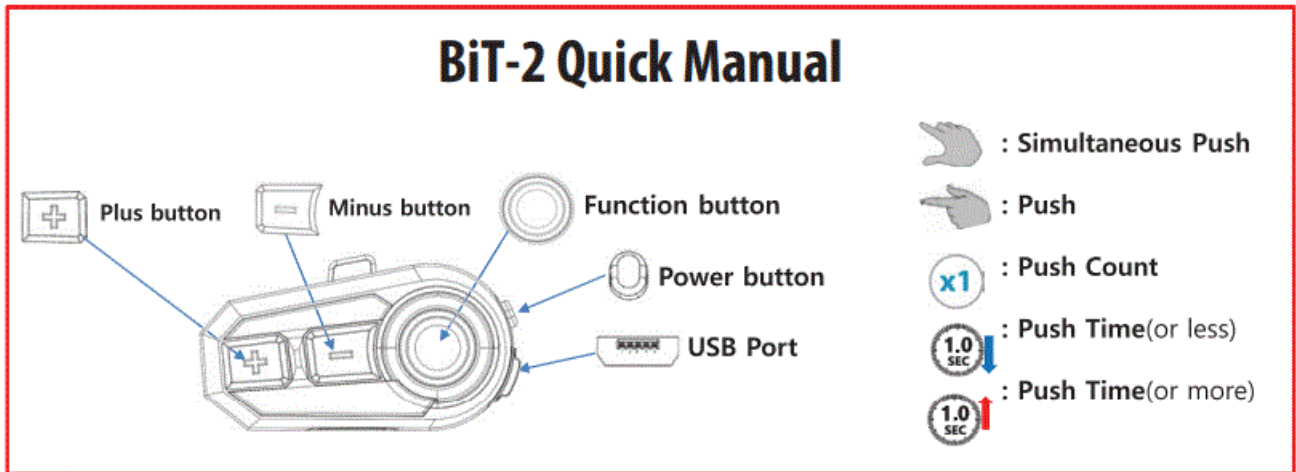
- **BLUETOOTH VERSION:** Ver 4.1
- **RF POWER:** Class2, Class1
- **BATTERY CAPACITY:** 3.7V 550mAh
- **AUDIO POWER:** 250mW X2
- **CONTINUOUS OPERATING HOURS:** 11 hours
- **STANDBY HOURS:** 284 hours/11 days
- **OPERATING TEMPERATURES:** -15°C ~ +50°C
- **DIMENSIONS:** 69 × 37 × 17 mm
- **WEIGHT:** BiT-1: 36g / BiT-2: 48g (cradle included)
- **CERTIFICATIONS:** FCC, CE, KC Certified

- Customer service center in the USA
- Website: www.chatterboxusa.com

Customer service center in EUROPE

- Address: Talstrasse 39 D-77887-SASBACHWALDEN, GERMANY

BiT-2 Quick Manual



► **Pairing Mode** (power off mode Start)

Phone Pairing



► **Power on**



► **Phone Call Mode**

Answering an Incoming Call



Rejecting an Incoming Call



Hanging up the Call



Call waiting, receive another call



Continue call, reject another call



Last Call Number Redial



Smartphone Voice Command



Conversion of Call Devices



► **Music Play Mode(MP-3)**

Volume up



Volume Down



Next Music



Previous Music



Music Play/Stop



► **Power off**



► **Factory reset mode**



► **Reset mode**



SIMPLE MANUAL

MODE	FUNCTION	OPERATION
GENERAL	Power on	Long press POWER button for 3 seconds
	Power off	Long press POWER button for 6 seconds
	Volume control	Short press PLUS (+) or MINUS (-) button
	Factory reset	Simultaneously press FUNCTION and MINUS (-) button for 8 seconds
	Reboot	While pressing MINUS (-) button, insert USB cable
	Software download	While simultaneously pressing POWER and PLUS (+) buttons, insert USB cable (on power off state)
PHONE	Answer call	Short press MAIN FUNCTION button
	Hang up / Reject call	Long press MAIN FUNCTION button
	Dial the last number call	Long press MINUS (-) button after stopping Music
	Voice Command (Smart-phone's Siri function)	Long press PLUS (+) button after stopping Music
	While being on the phone, switching device between BiT-2 and mobile-phone	While being on the phone, simultaneously press PLUS (+) and MINUS (-) buttons for 1.5 seconds
PAIRING	Smartphone pairing	After pressing POWER button for 8 seconds, search for BiT-2 in the Bluetooth function of the Smartphone
MUSIC	Stop / Play	Short press MAIN FUNCTION button
	Next song / Previous song	Double-Short press Plus (+) or Minus (-) button
	Switching music play between two paired mobile-phones	Long press MAIN FUNCTION button

ChatterBox U.S.A

- www.chatterboxusa.com




ChatterBox Global

- www.chatterboxglobal.com



Documents / Resources

	<p>ChatterBox BiT-2 Bluetooth Communication System with [pdf] Owner's Manual</p> <p>BiT-2 Bluetooth Communication System with, BiT-2, Bluetooth Communication System with, Co mmunication System with, System with, with</p>
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References

- [American Communication Systems | Two-Way Radio Dealer](#)
- [User Manual](#)