

Chatter **Box!**™

THE ORIGINAL COMMUNICATOR

X2-C

LONG RANGE COMMUNICATOR



Owner's Manual

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1. Getting started

Thank you for your recent purchase of the Chatterbox X2-C. The following list quickly lists the features of the X2-C.

Wireless PTT button that can be attached to your handlebar
Unlimited #s of Rider-to-Rider two-way radio communication without pairing & unpairing
22 FRS radio channels with 38 talk groups for each channel
Hands free voice activation or push to talk capability
Rider to passenger communication capability
Share music with tethered passenger
Tethered two-way communication with passenger (Intercom Mode)
Answer phone calls and listen to music wirelessly
True Hi-Fi stereo speakers and noise suppression microphones
8 hours of talk time and 16 hours of standby
Listen to FM Radio
Headset with microphones for both open and full-face helmet
Cradle with headset and microphone support for clean install
Control Knob for easier rider support & glove use

Unpacking and inspection

Please check and make sure that you have everything listed below inside the box. If you find any parts missing or that have been damaged, please contact our customer service immediately.

1		X2-C Unit with Battery (pre-installed)
2		USB-C type charging cable and AC adaptor
3		Multi-microphone Headset Kit which includes microphones for both open and full-face helmets, two Velcro speaker disks, two foam microphone covers, and microphone Velcro.
4		Wireless Push to Talk (PTT) Button w/ Velcro strap for a handlebar.
5		Helmet mounting bracket with Cradle, two screws and Allen wrench.

Battery

This product has a rechargeable battery inside that cannot be replaced without a technician. Your X2-C can still be used while charging if the battery is low. When using the product, make sure to adhere to the following:

- Never separate the battery from the product as this may damage the product.
- The battery performance may be reduced over time with usage.
- In recharging the battery, make sure to use an approved charger provided by the manufacturer. Use of a non-approved charger may cause fire, explosion, leakage, and other hazards may also reduce the life time or performance of the battery.
- Do not use chargers other than the included charger to charge the headset.
- Store the battery at temperatures of - 4F ~ + 140F Higher or lower temperatures may reduce the capacity and life of the battery, or may cause temporary non-operation. Do not use the product in sub-zero temperature, because it may cause serious reduction of the battery performance.
- If you apply heat to the battery or throw it into fire, it may explode.
- Do not use the product with a damaged battery. It may explode and/ or cause accidents.
- Never use a damaged charger. It may explode and/or cause accidents.
- Battery life may vary depending on conditions, environmental factors, functions of the product in use, and devices used with it.

Battery indicator meaning on the LCD is as follows:

Indicator	Means
3 Bars	Fully charged
2 Bars	Half charged
1 Bar	Low charged

When the battery indicator shows 1 bar, you need to charge the battery. There is also a chime sound when it is time to charge the battery.

Installation of headset, and main unit, and wireless PTT (Push to talk button)

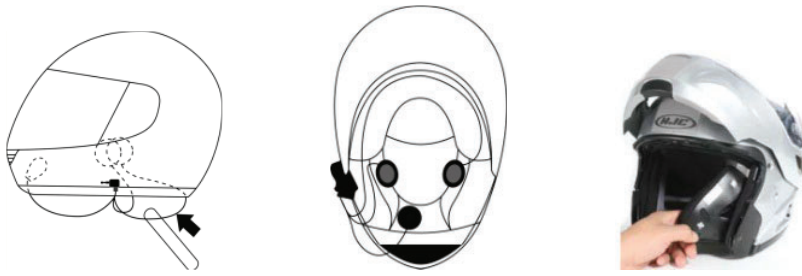
The Multi Headset comes with both open and full-face microphones. Choose the one that you intend to use and plug it into the connector on the cradle. Please keep the microphone that you are not using in a safe place for future use. All microphones come with sponge cover. For full-face helmet, attach soft Velcro disk to the helmet chin bar and hard Velcro disk to the microphones. The white dot on base of mic faces your mouth.



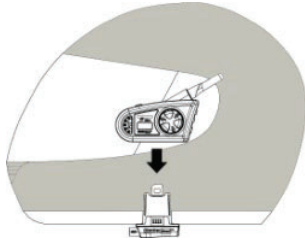
The headset speakers should already have Velcro on the back casing. Simply apply the soft Velcro disks on the liner of your helmet. Mount them in the indentation of the helmet padding where your ears would line up. Please keep in mind that you need to mount the speakers in a location that is directly next to your ears.



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. For helmets with speaker pockets, simply insert the speakers in each corresponding pocket. If you helmet has washable lining that pops out, you can tuck the wires behind that.



Fasten the mounting bracket snugly to the bottom left side of the helmet with two bolts supplied. Align the back side of the X2-C unit to the grooves on the mounting bracket. Slide the X2-C unit down on the mounting bracket until it latches firmly into place.



Insert the 3.5mm plug of the headset into the Rider's headset jack on the bottom of the cradle.



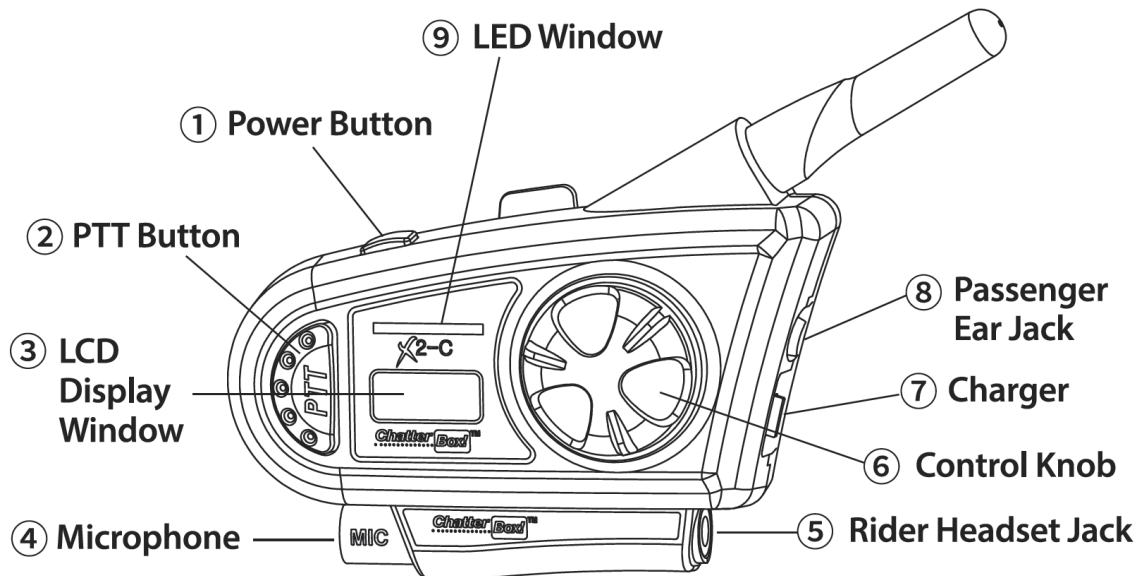
If you decide to use the handlebar mount PTT button, place the wireless PTT button on the left side handlebar grip (closest to where your thumb would be) of the motorcycle using the integrated Velcro strap.



2. Getting to know your X2-C

Buttons and inputs

The X2-C is packed with many features in a light compact casing. Please refer to the picture below which will show each button and its description.



	Buttons & Inputs	Description
		These are brief descriptions of the buttons and inputs
1	Power Button	Long Press: Turn unit on and off. Short Press: Turn on/off Button Lock
2	PTT (Push to Talk) Button	Transmit to other riders or your passenger Confirm setting
3	LCD Display Window	Function, Settings, and Status display
4	Microphone (Cradle)	Microphone input for rider
5	Rider Headset Jack	Headset input for rider
6	Control Knob	Access different mode functions Answer & End phone calls Adjust settings within modes Volume up/down Forward and rewind tracks Long Press: Turn VOX ON/OFF
7	Charger	USB-C Type charger port
8	Passenger Ear Jack	Input for passenger headset
9	LED Window	Shows Bluetooth pairing/Bluetooth search/wireless transmission

Multi-function buttons:

The Control Knob handles more than one function. The following are 3 ways to use the Control Knob.

Long press	Press the button and hold it for 3 seconds
Double press	Press briefly twice within a half second
Short press	Press the button for half second

LCD Display

The X2-C is equipped with an LCD display that shows the status of the X2-C. The table below shows the icons and what they mean.



	Description	Appears when;
	Sensitivity	Shows the strength of the received signal.
	Bluetooth	Unit is paired to a Bluetooth device.
	Sound	Unit is set to Music playing mode. Tap the Control knob briefly twice and turn the Control Knob to Music play mode.
FM	FM Radio Mode	Unit is set to FM radio mode. Tap the Control knob briefly twice and turn the Control Knob to FM radio mode.
	Intercom	Unit is set to Intercom mode. Tap the Control knob briefly twice and turn the Control Knob to Intercom mode.
	Battery Meter	Indicates status of battery power.
VOX	VOX	Hands free communication is active. Press Control Knob for 3 seconds VOX ON/OFF.
CTS	Talk Group Type	Indicates that a sub-channel talk group (CTCSS). Private channel is in use.
WPT	Wireless PTT	Unit is paired to a Wireless PTT.
	Talk group	Indicates your talk group (CTCSS) number.
	Channel	Indicates your radio's current channel number.

Control Knob

The Control Knob is used to choose the desired setting. The table below shows different settings that you can use along with a brief description.

Common Function (Perform in every mode)

- To enter each mode: Press Control Knob twice, and then turn Control Knob. Start slowly at first until you get used to the how quickly the device responds.



(An order switching mode: COM → INT → FM → MP → COM →)

- To enter the selected mode, press the Control Knob once.

Short press Control Knob

If you press the Control Knob on the Communication Mode enters the Setup state. Setup state is used to choose the desired function setting. The table below shows the different settings that you can use along with a brief description.


While you are in communication mode, short press the Control Knob to enter the setup menu. The setup menu is used to adjust certain settings. The table below shows the different settings that can be adjusted. Below is a table of the settings that can be adjusted.

Rotate Knob in Comms Mode	Volume		<ul style="list-style-type: none"> • When in Communications Mode, voice prompt says “Volume up” / “Volume down” • At the Maximum or Minimum level, unit will “Beep”
Press Control Knob (1x)	Enter Settings menu	LCD Display	<ul style="list-style-type: none"> • Tap to provide voice prompt description of your current mode • Use to maneuver through menus and select settings
Press Knob (1x)	Channel		<ul style="list-style-type: none"> • Turns on display light • When in mode, voice prompt will say “Channel” • Rotate the Control Knob to select the desired channel (1-22) • To save and exit, tap the Control Knob
Press Knob again (2x times)	(CTCSS) Privacy Tones / Talk Groups	CTS	<ul style="list-style-type: none"> • CTCSS tones are used to add privacy to your channel and can be used to create “Talk Group” of certain riders on the same frequency channel who can communicate only with others using the same CTCSS tone within same frequency • When in mode, Voice prompt will say “CTCSS Setting” • Rotate the Control Knob to select the desired CTCSS channel tone between (0-38 Channels / 0=None) prompt will say “Channel Up/Down” • To save CTCSS setting and exit, tap the Control Knob
Press Knob again (3x)	VOX level	VOX	<ul style="list-style-type: none"> • When in mode, Voice prompt will say “VOX” • Rotate Control Knob to select VOX level between (1) least sensitive to (5) most sensitive • To save and exit, Tap the Control Knob • SHORTCUT: Press and hold Knob 3sec to turn VOX on or off
Press Knob again (4x)	Voice calling		<ul style="list-style-type: none"> • When in mode, Voice prompt will say “Voice calling” or “Voice calling off” • Rotate the Control Knob to select the voice call on or off • To save and exit, Tap the Control Knob
Press Knob again (5x)	Language setting	Blinks “L(Language)” icon	<ul style="list-style-type: none"> • When in mode, Voice prompt will say “Language” • Rotate the Control Knob to the left or right in order to select the following languages <ol style="list-style-type: none"> 1. English 2. French 3. German 4. Italian 5. Spanish • To save and exit, tap the Control Knob
Press Knob again (6x)	Key Lock	Lo on Lo oF	<ul style="list-style-type: none"> • Rotate the Control Knob to the left or right in order to select “on” (Lock On) or “oF” (Lock Off) • To save and exit, tap the Control Knob • SHORTCUT: Press power button 1sec to turn lock on or off
Press Knob again (7x)	Setting completed		<ul style="list-style-type: none"> • When in mode, Voice prompt will say “Complete” • To save and exit, tap the Control Knob

*The X2-C has a voice prompt in 5 different languages that tells you what setting you are on.

Double press Control Knob

If you wish to enter into Intercom (Wired) mode, FM Radio, Music play mode, or go back to Communications Mode, tap the Control Knob twice & turn the Control Knob to enter the menu and tap knob again to select the mode.

Control Knob	Setting mode	LCD Display	Description of mode
Tap the Control Knob 2 times	Communication	Displays antenna bar	<ul style="list-style-type: none"> • Helmet to Helmet communication • Voice prompt will say "Communication Mode" • Turn knob to change mode in order: Intercom mode → FM Radio mode → Music play mode → Communication Mode • Enter Communication Mode to get back to main menu
Tap 2x and rotate the Control Knob 1x to the right	Intercom	Blinks 'I'	<ul style="list-style-type: none"> • Rider to passenger wired Two-way communication using headset kit • Voice prompt will say "Intercom Mode"
Tap 2x and rotate the Control Knob 2x to the right	FM Radio	Displays 'FM'	<ul style="list-style-type: none"> • Voice prompt will say "FM Radio Mode" • To change station: press the Control Knob and rotate it to select desired FM radio station.
Tap 2x and rotate the Control Knob 3x	Music play	Displays 	<ul style="list-style-type: none"> • Voice prompt will say "Music Play Mode" • To change Music: press the Control Knob and rotate it to select desired Music

Multiple device modes

The X2-C can operate on four different device modes. The table shown below will briefly explain those device modes.

	Device modes	Description
A	Helmet to Helmet Group Communicator	Helmet to Helmet communication is the primary device mode for the X2-C user. It is also the default device mode when you turn the unit on. Unlimited number of riders can communicate as long as you are all on the same channel and talk group. With 22 channels and 38 CTCSS tones / Talk Groups for each channel, users can have 836 different possibilities of having their own communication path.
B	Rider to passenger communicator (Intercom mode)	Rider to passenger communication is also possible by sharing the X2-C with a passenger headset. (Passenger headset and extension cord sold separately) When in Intercom mode the communication with your passenger is private. When in Intercom mode, the passenger can also listen to the same audio device and/or music.
C	Bluetooth transmitter with remote control	The X2-C built in Bluetooth will allow you to wirelessly connect your Bluetooth Smartphone, MP3 player (w/ BTA/BTD Bluetooth adapter), Bluetooth ready GPS system, or Bluetooth cell phone. * Depending on your device you can also remotely control your Bluetooth ready devices with the X2-C.
D	FM Radio	FM Radio allows you to listen to local radio stations

3. Rider to Rider communication

The X2-C can communicate with an unlimited number of riders who are on the same channel. Before riding, everyone must turn their units on and make sure they are on the same main channel and CTCSS talk group sub-tone (if enabled). In order to transmit to other riders, you must use the handlebar mount PTT button, or the PTT on the unit. Once you talk, everyone on your channel will hear you. Only one person at a time can talk. It is a good idea to use the word "over" or "roger" when done talking. This way others will know that they can now say something back. It is strongly suggested that you practice talking back and forth in your house before actually using on a ride. This way you can get a feel of what to expect.

Power On/Off

Press and hold the power button. You will notice that the LCD display will turn on. To power the unit off, press and hold the power button until you hear the beep. A quick Press & Hold of the power button will also turn off the Button Lock when you have turned on the Button Lock setting.

Set Volume level

Set the desired volume level by turning the Control Knob.

Choose a channel for the group:

To be able to communicate with a group, all riders must be on the same channel and talk group with the same sub-tone (CTCSS) if you use. The instructions on how to set a channel and talk group can be found on the table below

Tap Control Knob to select your mode	MODE selected	Description of mode
Tap knob 1 time	Main Channel	Turn the Control Knob until the desired channel is found between 1~22. Tap the Control Knob to set the channel. Press the PTT button to exit the settings menu.
Tap knob 2 times	Talk Group (CTCSS)	Used to provide privacy on a radio channel Turn the Control Knob until the desired CTCSS tone / channel is found between 0~38. Tap the Control Knob to set the channel. If you choose "0" there is no CTCSS Tone / Talk Group Tap the PTT button to exit the settings menu.

Channel Frequency

Channel	Frequency (MHz)	Power	Channel	Frequency (MHz)	Power
1	462.5625	1W	12	462.6000	1W
2	462.5875	1W	13	462.6500	1W
3	462.6125	1W	14	462.7000	1W
4	462.6375	1W	15	462.7250	1W
5	462.6625	1W	16	467.5625	0.5W
6	462.6875	1W	17	467.5875	0.5W
7	462.7125	1W	18	467.6125	0.5W
8	462.5750	1W	19	467.6375	0.5W
9	462.6250	1W	20	467.6625	0.5W
10	462.6750	1W	21	467.6875	0.5W
11	462.5500	1W	22	467.7125	0.5W

* Radio frequencies cannot go through water, metal wall, concrete, rock, soil, or the human body. Range can vary according to the circumstances.

CTCSS (Continuous Tone Coded Squelch System) Tone Channel Chart "Sub-Channels"

CH	Hz	CH	Hz
1	67	20	131.7
2	71.9	21	136.5
3	74.4	22	141.3
4	77	23	146.2
5	79.7	24	151.4
6	82.5	25	156.7
7	85.3	26	162.2
8	88.5	27	167.7
9	91.5	28	173.8
10	94.8	29	179.9
11	97.5	30	186.2
12	100	31	192.8
13	103.5	32	203.5
14	107.2	33	210.7
15	110.9	34	218.1
16	114.8	35	225.7
17	118.8	36	233.6
18	123	37	241.8
19	127.3	38	250.3

Side tone

When transmitting by using PTT or voice activation you will hear yourself in your own speakers. This is called side tone. The side tone is what tells you that your microphone is working.

Using the voice activation feature (VOX)

The voice activation feature (VOX) is what allows you to communicate to other riders without using the PTT. This feature can work very well, but does need patience and understanding. In order to activate VOX feature, press and hold the Control Knob until the unit beeps three times and the voice prompt says "VOX on". To adjust the VOX sensitivity, place the unit into communication mode. Then short press the Control Knob until the voice prompt says "VOX". Turn the Control Knob until the desired sensitivity is achieved. Setting 1 has the highest sensitivity. Setting 5 has the lowest sensitivity.

4. Rider to Passenger Communication

The X2-C does not require a separate unit for a passenger to communicate with the rider and others. In order to connect a passenger, you must purchase an additional headset and extension cord. Please contact a dealer near you or call customer service.

Listening to Rider-to-Rider communication

When connected, passenger can listen but cannot communicate with other riders.

Rider and Passenger only communication

This unit allows a rider and passenger to communicate in private without the need of an additional unit. You will need to purchase an additional pair of Chatterbox Universal Headsets and the Chatterbox extension cable. In order to activate this feature, double press the Control Knob, turn the Control Knob clockwise, and press the Control Knob to lock in this mode. This should open a connection between rider and passenger for communications.

5. Bluetooth feature with audio control

The X2-C is equipped with Bluetooth transmitter that allows you to pair up to 2 Bluetooth devices simultaneously. Not all Bluetooth devices will pair 2 at a time with the X2-C unit. When pairing two devices, Bluetooth only permits 1 hands-free device and 1 audio device. You cannot pair 2 audio devices and you cannot pair 2 hands free devices. It will only allow 1 of each kind. An example of a hands-free device is a cell phone. An example of an audio device is an iPod/MP3 player with a Bluetooth* adapter. Please note some Smart phone's (iPhone and Android phones) take up BOTH devices when paired to the X2-C.

This is why you will be able to listen to music and answer the phone from a smart phone. These phones do not have an option to disable this. Some motorcycle specific GPS devices also take up both devices when paired. This is why you can listen to music, hear your voice prompted directions, and answer your phone through them.

* When two devices are paired with X2-C they do not work simultaneously. Bluetooth connection works only one at a time.

Bluetooth feature

The Bluetooth feature will allow you to listen to the music, GPS direction, and/or answer phone calls wirelessly.

Pairing

In order to pair the X2-C to a Bluetooth device you must follow the directions below. Please make sure that the device you are trying to pair is Bluetooth capable.

1	Make sure the X2-C is in the OFF position and near to the device you want to pair. Please note that you must make sure any other Bluetooth devices in the area are turned off.
2	Press and hold the Control Knob and Power Button. You will hear a voice prompt say "Bluetooth Pairing".
3	Follow the "pairing" instructions for your Bluetooth device. Please allow about up to 30 seconds for your device to search X2-C. If done correctly, you will notice the name "X2-C" on your device's Bluetooth list.
4	Your Bluetooth devices will automatically re-connect to the X2-C if you have previously paired to the device.
5	To connect your Wireless PTT button to your X2-C, you have to press and hold the X2-C power button and PTT button together on the X2 device for 3 seconds at power on. When the voice states "Bluetooth Pairing", tap the Wireless PTT button once and the voice will state "Bluetooth Connected" when the button is paired.

Phone Pairing



PTT Pairing



Pairing multiple devices

You can pair any Bluetooth enabled MP3 player, Mobile phone, and Navigation system with X2-C. However, only two devices can be paired with X2-C simultaneously

Using Smartphone to get music, phone

Once you have paired your Smartphone with X2-C, you may listen to your music from your Smartphone using your own playlist. When there's an incoming phone call, you can simply press Knob or PTT button on the wireless PTT on X2-C to answer. when you end the call, you can do the same thing.

*Place your Smartphone as near as your X2-C. Bluetooth signal may be blocked by your or any metal object.

Remote control

The X2-C Bluetooth feature can also remotely control the Smartphone so that you don't have to reach for your device in your pocket dangerously while you are riding. The Table below will show you the remote-control functions available. (Does not apply to all devices)

	Music	Phone	Buttons to use (Only in Bluetooth* mode)
Pause and Play	Yes		Short press Control Knob
Skip track	Yes		Turn the Control Knob to the right while pressing Control Knob
Reverse track	Yes		Turn the Control Knob to the left while pressing Control Knob
Volume UP & DOWN	Yes	Yes	Turn the Control Knob to the left(down) or right(up)
Answer incoming call		Yes	Short press Control Knob
End incoming call		Yes	Short press Control Knob

(***Long press**: Hold the button for 2 seconds, **Short press**: hold the button for half second)

You must be in Music Playing mode for music playback.

6. FM Radio

The X2-C has a built in FM radio player. The following will explain how to use the FM radio feature.

Turn on/off the FM Radio

After the X2-C is on, press the Control Knob twice briefly and within 3 seconds, press the Control Knob again until the unit is in FM mode.

If you want to turn off FM Radio press the control knob twice briefly and rotate the Control Knob exit FM Radio.

Change volume:

While listening to the radio, Turn the Control Knob to the left (down) or right (up) to adjust the volume.

Search FM radio stations

While listening to the radio, short press the Control Knob then turn the Control Knob left or right to find the desired station.

7. Putting it all together

Typical setting

The most typical setting for X2-C is listening to your music, hearing voice prompted direction from your navigation system, and answering incoming calls while you communicate with your fellow riders and/or passenger.

1	Turn on X2-C.
2	Choose and set the channel and CTCSS talk group. Test with PTT button or VOX to see if everyone can hear each other.
3	Pair your Smartphone with Navigation app to the X2-C
4	Set the X2-C to Music Playing Mode.
5	Now you should be able to listen to music, and hear the turn-by-turn directions from your navigation system. You can also answer your phone calls by short pressing the Control Knob.
6	Finally, you can communicate with other riders who are on the same channel with same sub-tone

Priority

The table shown below summarizes the priority among different devices. When you are in the Bluetooth* device mode, the navigation direction and phone calls get priority over the music. This means that when a phone call is answered the music will be paused. As soon as the call ends, the music will play again. Same thing applies with fellow rider communication. When you hear rider communication the music will pause. After the communication is finished, the music will automatically come back.

Priority	1	2	3	4
Bluetooth	Cell phone	Rider communication	Navigation	MP3
FM Radio	Cell phone	Rider communication	FM Radio	






Summary of button functions

The table below will summarize the button functions that have been explained in this manual

	Rider communication (Any Setting)	Rider to Passenger communication (Private)	Bluetooth feature	FM Radio
To Activate	Turn unit on	Enter Intercom mode	Always On*	Enter FM Mode
To Deactivate	Turn unit off	Exit Intercom mode	Turn unit off	Exit FM Mode
Volume Up	Turn Control Knob clockwise	Turn Control Knob clockwise		Turn Control Knob clockwise
Volume Down	Turn Control Knob counter clockwise	Turn Control Knob counter clockwise		Turn Control Knob counter clockwise
To Talk	Press and hold PTT or Use VOX			
To Answer Phone Call	Short press Control Knob	Short press Control Knob	Short press Control Knob	Short press Control Knob
To release Phone Call	Short press Control Knob	Short press Control Knob	Short press Control Knob	Short press Control Knob
To reject Phone Call	Long press Control Knob	Long press Control Knob	Long press Control Knob	Long press Control Knob
To skip music track or radio station			Press and turn Control Knob clockwise	Press and turn Control Knob clockwise
To reverse music track or radio station			Press and turn Control Knob counter clockwise	Press and turn Control Knob counter clockwise
To pause and play			Short press Control Knob	
To skip radio station				Short press Control Knob and turn Control Knob to the right
To reverse radio station				Short press Control Knob and turn Control Knob to the left
To select radio station manually				Turn the Control Knob to the left/ right While pressing the Control Knob

*For first time pairing to a new device, press and hold power button and Control Knob simultaneously until unit enters pairing mode.

8. Accessories

1		X2-C Unit with Battery (pre-installed)
2		USB-C type charging cable and AC adaptor
3		Multi-microphone Headset which includes microphones for open(boom) and full-face helmets, two Velcro speaker disks, two foam microphone covers, and microphone Velcro.
4		Handle bar mount push to talk button. (Wireless PTT)
5		Helmet mounting bracket with Cradle, two screws and Allen wrench.

9. Trouble shooting

Questions	Answers
While using voice activation, the transmission is being cut out while trying to communicate to other riders	Position the white dot on your microphone directly in front of your lips and speak without pausing. The closer the microphone is to your lips, the clearer you can transmit.
I don't hear group communication	Make sure you are on the same channel and talk group.
Transmission range is shorter than claimed.	Radio frequency can be affected by your surroundings (ie: trees, power Lines, hills, canyons, and buildings. Those obstacles will reduce the Maximum transmission range. Even weather makes a difference. Maximum range is direct line of sight to the person you are speaking with.
I can hear too much surrounding noise while hearing the transmission from other group members	Add foam or cotton directly to the tip of the microphones and place the wind sock sponge over it.
I cannot listen to music from my Bluetooth enabled MP3 player after I paired it with X2-C	Allow up to 30 seconds for the devices to pair and the music should automatically start playing through the headset. If this does not occur after 30 seconds, turn off the unit and follow the steps again from the beginning.
How do I turn my button lock off?	Press and hold the power button for about a second to turn the Button Lock feature Off or On.
How do I turn VOX on or off?	Press in & hold the Control Knob until the voice states you have turned VOX On or Off.
How do I BT pair my wireless PTT button?	Make sure the wireless PTT button is fully charged. Power the X2-C on while pressing in the PTT button on the side of the X2-C device itself. The X2-C device will state "Bluetooth Pairing". Then press the PTT button on the wireless PTT once. Voice will state "Bluetooth Connected" when paired successfully.
Voice keeps stating "Bluetooth Connected / Bluetooth Disconnected" repeatedly	Original Bluetooth pairing to phone was not completed correctly. Charge phone and X2-C completely and start the pairing process over.

10. Important information

ChatterBox USA Limited Warranty

ChatterBox USA guarantees that each new ChatterBox will be free from defective materials and workmanship for a period of two (2) years from the date of original purchase. ChatterBox will remedy any such defect by repair or replacement (at our discretion) of the products, provided they are delivered to the address listed below, intact for examination, with all transportation charges prepaid and accompanied by a copy of the original retail sales receipt. The provisions of this warranty shall not apply to any unit which has been subject to misuse, neglect, incorrect installation, unauthorized modification, accident, or has been repaired or altered outside of our factory. The express warranty contained herein is in lieu of all other warranties, expressed, implied or statutory, including without limitation any warranty of merchantability or fitness for a particular use. In no event will ChatterBox be liable to the buyer for any damages, including special, incidental, indirect, or consequential.

US Motorcycle Laws by States

Certain states and localities may prohibit the use of two earpieces or two-piece headsets while operating a vehicle. Please check and follow all applicable federal, state and local laws and regulations regarding the use of electronics, earpieces and headsets before operating your vehicle.

Reasons for Limited Liabilities

If you do not return the product after purchasing it, you relinquish all rights to liabilities, loss, claims, and claims for reimbursement of expenses (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, chatter box 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 for itself and its suppliers any liability, whether based in 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 other 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 chatter'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 purposes.
- 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 is 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.

FCC Compliance

This device has been tested and found to comply with the limits for a class b digital device pursuant to part 15 of the FCC rules. The operation is subject to the following two conditions;

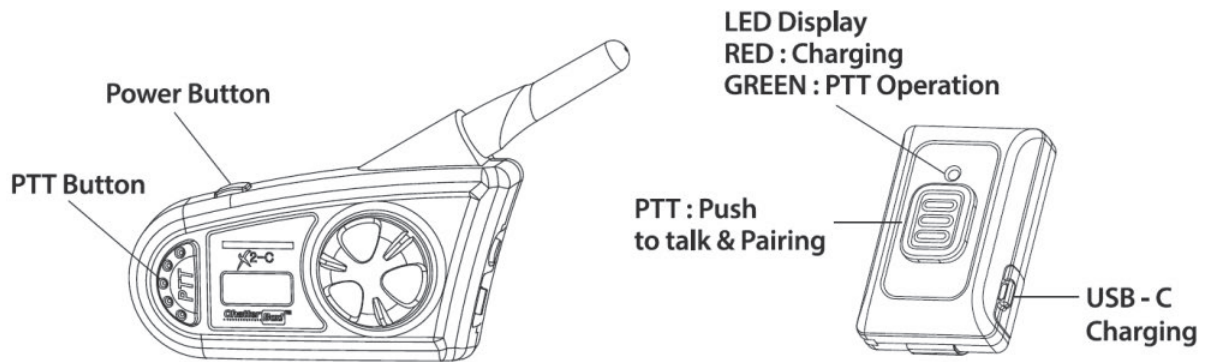
- (1) This device may not cause harmful interference
- (2) This device must accept any interference received including interference that may cause undesired operation.

** Any changes or modifications not expressly approved by the parties responsible for compliance could void the users' authority to operate this device.

Technical Specification

GENERAL	
Frequency range	From 462.550 MHz to 467.7125 MHz
Modulation type	8K0F3E (FM)
Channel capacity	RF 22 Channels, 38 Sub Channels (CTCSS)
Channel spacing	12.5KHz
Power supply pack	DC 3.7V; Li-ion rechargeable
Current drain transmitter	(0.5W); <600mA
Battery life	8 hours talk time, 20 hours of stand-by time
Operating temperature	-20C + 60C
Dimensions	51(H) x 99 (W) x 21 (D) mm
Weight	3.2 oz. (with battery)
TRANSMITTER	
Power output	0.5W or 1W depending on the channel
Frequency stability	Better than +/- 5ppm within
Hum & Noise	-40dBc (with 300Hz to 3KHz audio filter)
Spurious & Harmonics	-1G < -36dbm
Audio distortion	less than 5% (1KHz tone 60% modulation)
RECEIVER	
Sensitivity (12dB SINAD)	0.2uV (-119dBm SINAD)
Selectivity	-60dB
Inter-Modulation	-60dB
Spurious and image	-60dB rejection
Maximum audio output	more than 100mW
Audio distortion	less than 5%
Hum & Noise	-40dBc (with 300Hz to 3KHz audio filter)

X2-C Wireless PTT Button



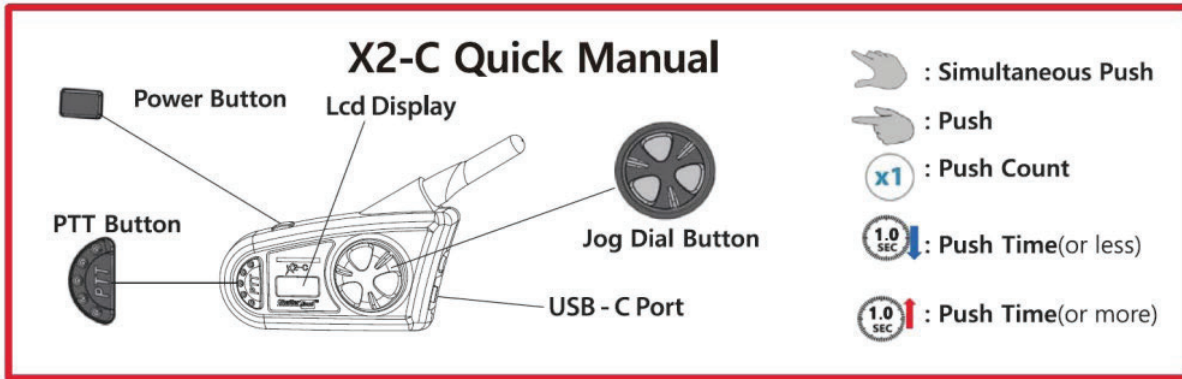
Instruction for pairing New Wireless PTT to X2-C

1. Place X2-C right next to Wireless PTT button before pairing starts.
2. To place X2-C in pairing mode : From the OFF position, push and hold the PTT button first, and then press the POWER button until Voice prompt says "Bluetooth pairing".
3. To place Wireless PTT button in pairing mode : From the OFF position, push and hold the PTT button until the voice prompt of X2-C says "Completed".
4. Once Wireless PTT and X2-C are paired, "WPT" will flash in the LCD screen. This means the pairing is successfully completed.

Note

- Allow 10 seconds for X2-C and Wireless PTT button to pair. Within 10 minutes, in case that pairing is failed, the pairing mode will be dismissed.
- Once wireless PTT and X2-C are paired, both PTT and X2-C will automatically search each other to pair as they turn on.
- To talk, push and hold the PTT button and to listen, lift your finger off from the PTT button.

X2-C Quick Manual Guide



▶ Pairing Mode (Power off mode start)

Smart Phone Pairing



Remote Control PTT Pairing



▶ Power ON



▶ Power OFF



▶ Phone Call

Answering an Incoming Call



Rejecting an Incoming Call



Hanging up the Call



Volume up



Volume Down



► **FM Radio Mode**



Previous Channel Search



Next channel Search



Volume up



Volume Down



► **Transceiver TX Mode**



Press

Press the switch while speaking.

► **Music Play Mode**



Music Play



Music Stop



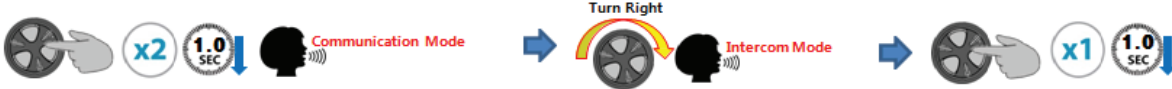
Next Music Play



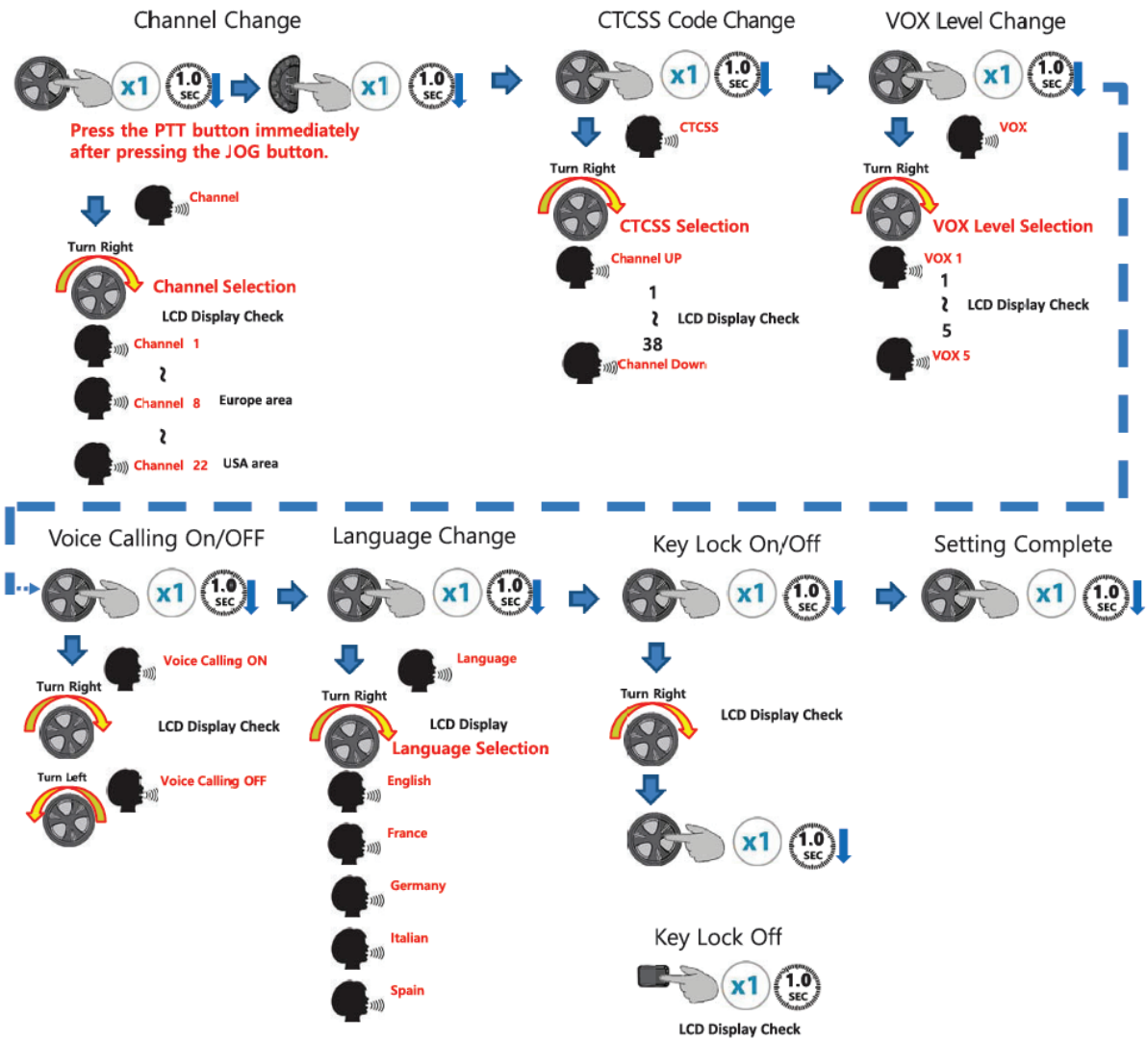
Previous Music Play



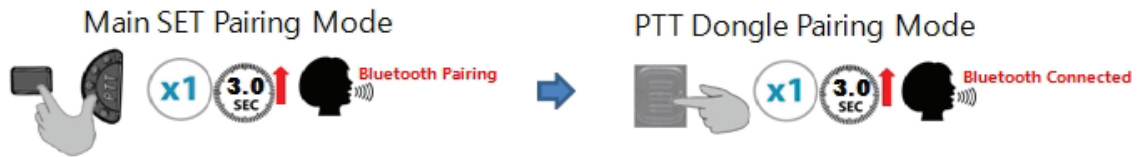
► **Intercom Mode**



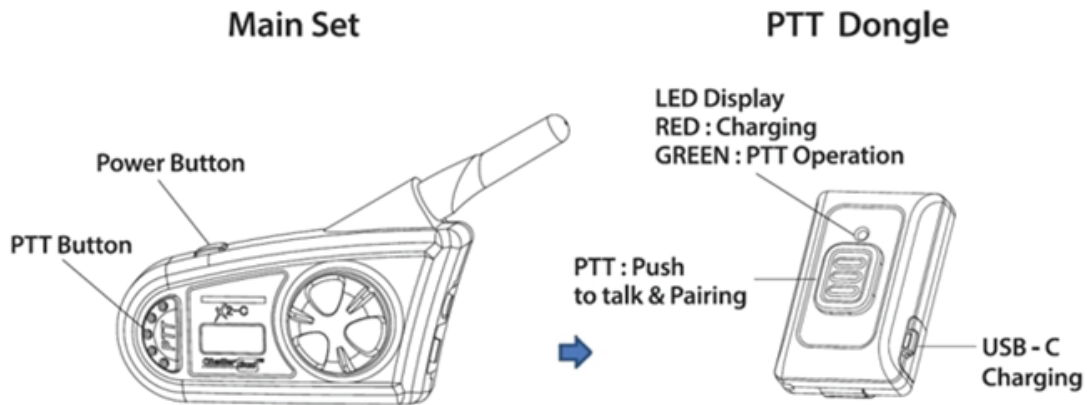
► Communication Mode Function Change



► Remote Control PTT Pairing



* If pairing fails within 10 seconds, restart from the beginning



ChatterBox U.S.A 11535 West 83rd Terrace
Lenexa, Kansas USA (66214)
Customer Service: 1-913-859-9515
1-800-456-2071

sales@chatterboxusa.com
www.chatterboxusa.com/support